

High pKa variability of cysteine residues in structural databases and the effect of H-bond contributions

[Yapısal veritabanlarındaki sistein kalıntılarında pKa değerinin yüksek oranda değişkenlik göstermesi ve H-bağı katkılarının etkisi]

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RESULTS of pKa3 on PDB-crystal dataset

prot=protein name

res_num=residue number

H-bond=hydrogen bond contribution to pKa prediction (pKa)

Coul=electrostatics (from Coulombic interactions) contribution to pKa prediction (pKa)

Solv=Solvation effect contribution to pKa prediction (pKa)

prot,res num,pKa,H-bond,Coul,Solv

2P4D,ASP_147,2.36,-1.59,-0.73,0.88	109G,ARG_34,12.12,-0.59,0,0.22	3FK5,GLU_171,4.62,0.25,0,-0.12	3KEY,TYR_438,10.08,0,0,0.08
4FD6,LYS_106,10.24,-0.23,0,-0.03	2O0K,ASP_242,3.77,-0.11,-0.1,0.18	3GE9,ASP_22,3.44,-0.54,0,0.18	1LZL,ASP_34,4.62,0,-0.07,0.88
3Q1C,HIS_155,2.75,-3.17,0,-0.57	3U2A,ARG_88,13.48,-0.25,0.79,0.43	2QHT,GLU_203,4.4,0.16,0,-0.26	3M7G,GLU_262,4.94,0.26,0,0.18
1LZL,ARG_303,12.35,-0.31,0,0.17	2YWX,LYS_126,10.54,-0.09,0,0.13	2D7J,LYS_174,10.52,-0.17,0,0.19	2W1R,ASP_78,2.85,-1.86,-0.06,0.98
3K8J,ASP_114,3.92,0,0,0.12	2O8P,GLU_10,4.37,0.33,-0.46,0.01	4E9E,ASP_568,3.98,0,-0.17,0.35	3ASA,GLU_349,3.77,0.31,-0.73,-0.31
1K95,ARG_145,12.08,-0.45,0,0.03	3M16,LYS_323,10.29,-0.25,0,0.04	2V4U,GLU_356,4.69,0.28,0,-0.08	2FM9,LYS_133,10.54,-0.31,0,0.35
1AK1,HIS_88,2.92,-2.57,0.04,-1.06	2W0G,GLU_207,3.67,0.35,-0.67,-0.51	1MHN,ARG_133,12.36,-0.14,0,0	2H14,CYS_334,9.83,0.13,0.29,0.42
3Q1C,ARG_156,13.13,-0.41,0.38,0.67	2GKG,GLU_114,4.67,0.21,0,-0.04	2YYO,ASP_14,3.92,0,0,0.12	2X5Y,CYS_798,11.86,-0.01,-0.02,2.89
1XFK,ARG_313,12.56,-0.34,0,0.4	2XJ4,HIS_262,6.25,-0.18,0,-0.07	2WB8,CYS_762,8.91,-0.1,-0.51,0.51	350A,ASP_77,2.41,-1.83,0,0.43
3AUF,ASP_20,3.26,-0.84,-0.51,0.82	1SQW,HIS_77,6.33,-0.2,0,0.03	2GAU,HIS_74,4.95,-0.86,0,-0.69	2B02,LYS_394,10.41,-0.29,0,0.2
1JKS,GLU_18,4.09,0.3,-0.42,-0.29	4EF5,ARG_310,12.07,-1.17,0.06,0.66	2IQT,LYS_164,10.19,-0.32,0,0.02	2P5D,ARG_123,12.43,-0.07,0,0
1NJ4,LYS_186,10.14,-0.35,0,-0.01	3BPP,ARG_121,12.67,-0.31,0,0.48	1RZ2,LYS_55,10.25,-0.25,0,0	2Q34,ARG_85,12.37,-0.3,0,0.16
3PP8,GLU_183,3.56,0.42,-1.03,-0.33	2OSA,ASP_335,3.65,-1.06,-0.06,0.98	3FHF,ASP_20,3.46,-0.85,-0.43,0.95	3UAH,GLU_276,4.77,0.19,0,0.08
1O6D,GLU_54,4.7,0.42,0,-0.22	3RFF,TYR_122,10.26,-0.09,-0.2,0.55	2ZOM,ASP_78,2.93,-0.79,-0.48,0.4	2RIS,TYR_87,11.39,-0.02,0.84,0.57
3V55,ARG_374,10.7,-1.83,0,0.03	3PZ9,TYR_291,10.79,-0.28,0.07,0.99	2PP6,GLU_92,4.81,0.25,0,0.06	1R16,ASP_70,3.05,-0.57,-0.34,0.17
2EDM,TYR_69,11.12,0,-0.42,1.54	3CRM,GLU_229,4.65,0.15,0,0	3M66,LYS_299,10.41,-0.14,0,0.05	1XKR,LYS_33,11.49,-0.49,0.82,0.66
4H4J,LYS_222,10.81,-0.23,0.11,0.42	1FO9,TYR_185,9.97,-0.84,2.78E-17,0.82	2IF4,LYS_117,10.67,-0.46,0,0.62	1MUF,GLU_220,4.91,0.25,0,0.16
1UAJ,GLU_116,4.7,0.2,0,0	3KT9,ARG_18,12.35,-0.27,0,0.12	1HF8,TYR_222,12.05,0.79,1.26	1Q42,ASP_89,3.52,-0.27,-0.38,0.36
2QZQ,HIS_163,5.59,-0.99,0.29,-0.2	2BLL,GLU_412,4.5,1.14,-0.69,-0.45	1WYC,HIS_191,6.43,-0.08,0,0.01	1ILW,LYS_121,10.58,-0.17,0,0.25
1T6L,ARG_218,12.28,-0.23,0,0.01	1ES9,HIS_106,5.3,-0.61,0,-0.59	3JZN,ASP_438,4.11,-0.85,-0.44,1.61	2ZCO,TYR_24,10.83,0,-0.04,0.87
2IRM,GLU_80,5.74,0.88,0,0.36	3FNI,ARG_149,12.31,-0.3,0,0.11	3H8Y,ARG_70,12.66,-0.07,0,0.23	4DNU,HIS_258,3.67,-2.17,0.17,-0.82
3FWU,HIS_14,6.53,-0.25,0,0.3	3CRM,GLU_237,4.68,0.23,0,-0.05	3EOD,ARG_115,12.78,-0.29,0.06,0.51	2B0A,LYS_65,10.6,-0.2,0,0.3
3EVP,HIS_297,5.84,-0.98,0.37,-0.06	3ETV,LYS_234,10.15,-0.35,0,0	2FZ4,ARG_152,11.66,-0.85,0,0	3G9T,TYR_125,13.14,0,0,3.14
3SMD,LYS_142,10.02,-0.44,0,-0.04	3KT9,ASP_11,2.95,-1,-0.45,0.59	2G5X,LYS_125,11.51,-0.31,0.83,0.49	1ZP2,ASP_148,4.1,0,-0.15,0.45
3HVM,CYS_28,10.29,0.0,18,1.11	4DNU,LYS_115,10.41,-0.09,0,0.01	2X4G,TYR_154,11.08,0.0,27,0.8	2APL,GLU_17,3.88,0.36,-0.7,-0.28
3IL3,TYR_203,10.48,0,0.17,0.31	2AZL,LYS_217,10.48,-0.07,0,0.05	3DZ1,LYS_2,10.41,-0.21,0,0.13	2YLF,ASP_93,3.55,-0.65,0.01,0.4
3BCH,ARG_186,11.49,-1.01,0,0	2IXM,GLU_115,3.98,0.31,-0.74,-0.09	1OXZ,ASP_285,4.13,0,0,0.33	2RIS,ARG_142,13.01,-0.49,0.53,0.48
3LJI,LYS_62,10.43,-0.1,0,0.03	3COU,HIS_99,5.4,-1.07,0,-0.02	3SMD,TYR_92,10.07,-0.57,-0.01,0.65	1XEU,GLU_195,5.24,1.18,0,-0.44
1IAP,HIS_200,6.07,-0.52,0,0.09	2B6P,ARG_153,12.28,-0.53,0,0.32	3GV0,GLU_175,5.07,1.2,-0.82,0.21	3CE7,TYR_23,10.16,0,-0.03,0.19
1JT9,LYS_248,10.52,-0.13,0,0.15	4EKU,ARG_39,12.35,-0.46,0,0.33	2AHE,CYS_35,9.17,-2.17,-0.31,2.65	2C2Y,HIS_160,5.87,-0.77,0,0.13
1JKS,LYS_50,10.45,-0.05,0,0	2C13,LYS_280,10.23,-0.43,0,0.16	4H4J,CYS_58,10.14,-0.65,0.14,1.64	1QQE,GLU_282,4.56,0.2,0,-0.14
1MUF,ARG_103,12.58,-0.22,0,0.32		3MEW,ARG_202,13.87,-0.4,1.22,0.54	

1YM5,GLU_245,4.56,0.08,0,-0.02
1XIP,GLU_303,5.56,0.91,0,0.16
3EJC,ARG_107,12.39,-0.11,0,0
3B21,ASP_198,3.71,-0.35,-0.04,0.31
2HXB,LYS_52,10.42,-0.08,0,0
1X7F,TYR_22,13.1,-0.85,0.35,3.6
3IOO,LYS_245,10.49,-0.15,0,0.14
4FZN,GLU_4,4.61,0.11,0,0
1P6F,TYR_173,11.15,-0.56,0.48,1.23
3IBT,ASP_67,3.07,-0.47,-0.63,0.37
3ILC,HIS_0,5.97,-0.3,0,-0.23
3TOW,ARG_153,12.17,-0.63,0,0.29
4AF2,ASP_37,3.29,-0.54,-0.3,0.33
1BYI,GLU_12,4.46,0.13,-0.07,-0.11
1U3Y,ASP_297,3.98,0,-0.07,0.24
1NAF,ASP_247,3.89,0,-0.09,0.18
1FKM,ARG_460,12.72,-0.2,0.04,0.38
3CGW,GLU_170,4.29,0.36,-0.6,0.04
2DFL,ASP_16,3.9,0,-0.08,0.18
1OGL,ARG_9,12.43,-0.14,0,0.07
2D7U,GLU_162,4.02,1.58,-1.51,-0.55
3BWT,GLU_861,4.68,0.24,0,-0.07
1YTD,TYR_361,12.03,0,-0.06,2.09
1BN6,HIS_199,5.5,-1.02,0,0.02
3AU3,GLU_582,3.05,0.67,-1.83,-0.29
2PGX,ARG_112,12.66,-0.34,0,0.49
1UXO,ARG_46,13.75,-0.22,0.94,0.52
3J5N,ARG_172,13.22,-0.67,0.77,0.62
2RFA,ARG_68,4.64,0.13,0,0.01
4AE7,TYR_149,10.16,0,0,0.16
1DTO,ARG_27,13.57,-0.18,0.77,0.48
1RKA,GLU_126,3.53,0.39,-0.99,-0.38
1YTD,ARG_378,11.28,-1.88,0,0.65
1Y2Q,ARG_108,12.86,-0.4,0.32,0.45
2ATR,TYR_45,10.88,-0.1,0.15,0.83
3BCY,HIS_85,5.64,-1.02,0,0.16
2EYI,GLU_143,4.56,0.06,0,0
1NAF,HIS_235,7.25,-0.24,0.77,0.21
2ZTY,GLU_96,4.05,0.32,-0.78,0
3FTT,GLU_123,4.56,0.3,0,-0.24
3TMO,ASP_236,3.68,-0.53,0.09,0.33
2EEY,CYS_124,11.78,0,0,2.78
2VGM,LYS_2,10.74,-0.23,0,0.48
3N2T,HIS_149,5.98,-0.6,0.08,0
2VGM,GLU_304,4.58,0.78,-0.77,0.06
2V1L,HIS_108,6.31,-0.42,0,0.23
1R53,LYS_237,10.58,-0.19,0,0.27
3UOV,ARG_117,12.98,-0.63,0.72,0.4
1P4X,HIS_153,5.83,-0.42,0,-0.25
4FH3,ARG_293,11.21,-1.77,0,0.48
1L2F,GLU_128,3.28,0.24,-0.85,-0.61
1MHN,ASP_96,3.22,-0.83,-0.34,0.6
3ZSL,ASP_215,2.87,-0.85,-0.38,0.3
1O9G,TYR_4,10.64,0,-0.21,0.85
3MIX,GLU_507,4.64,0.28,0,-0.14
4AE7,LYS_191,10.02,-0.24,0,-0.24
3NZL,ASP_32,4.03,0.05,0,0.17
2CXV,LYS_89,10.11,-0.3,0,-0.08
1NAR,ASP_20,3.8,-0.72,-0.68,1.39
3KEY,LYS_363,10.55,-0.18,0,0.23
3Q9P,HIS_90,6.4,-0.1,0,0.0
4FCU,ASP_43,2.94,-0.86,-0.42,0.41
4AF2,CYS_95,10.63,-0.03,-0.03,1.68
3GTO,GLU_158,4.67,0.17,0,0
1O5J,GLU_44,4.6,0.1,0,0
2AZL,GLU_141,4.63,0.2,0,-0.07
2NRR,HIS_488,6.44,-0.3,0,0.24
1JKS,GLU_187,4.42,3.51,-2.32,-1.28
3CQ1,ARG_46,13.63,-0.35,0.81,0.66
3GV0,GLU_78,4.81,1.3,-1.05,0.08
3H6Q,LYS_97,11.34,-0.31,0.4,0.77
2F4Q,TYR_77,12.16,0,-0.16,2.33
2YX0,ARG_227,12.48,-0.33,0,0.29
2G2D,GLU_101,4.46,0.34,-0.36,-0.02
4DVD,LYS_59,10.6,-0.38,0.04,0.44
2X5Y,LYS_882,11.01,-0.72,0.78,0.45
3CS1,LYS_64,11.16,-0.38,0.53,0.51
3I4T,LYS_13,10.91,-0.14,0,0.55
3RE9,GLU_84,4.56,0.06,0,0
3IOO,ASP_98,3.18,-0.8,-0.08,0.26
2JKF,GLU_107,3.63,0.41,-0.81,-0.47
3CIV,CYS_147,11.14,-1.01,-0.8,3.95
2FPN,TYR_37,10.46,-0.05,-0.04,0.55
3R87,ARG_77,13.11,-0.61,0.8,0.43
2OJQ,LYS_583,10.38,-0.25,0,0.14
3V1Q,HIS_594,6.09,-0.32,0,-0.08
3BCY,ASP_117,3.94,0,-0.21,0.34
1JKS,ASP_268,3.12,-1.27,-0.02,0.62
3KV0,ARG_140,12.37,-0.15,0,0.02
1DUN,ASP_116,3.32,-0.79,0,0.31
2FL4,LYS_37,10.68,-0.09,0,0.27
3J5N,ARG_252,12.46,-0.28,0.0,0.24
2E3C,ASP_206,2.27,-2,-0.91,1.38
3LQE,ASP_231,4.04,-0.18,-0.08,0.5
3FXH,HIS_33,6.02,-0.89,0.34,0.06
1GXN,TYR_573,10.22,0,0,0.22
1ILW,ARG_64,13.24,-0.44,0.8,0.38
3MEW,ASP_172,3.93,0,0,0.13
2CE6,ASP_12,2.78,-2.08,-0.59,1.64
3F7M,ASP_288,3.64,-1.5,-0.03,1.38
1YM5,GLU_15,4.29,0.26,0,-0.48
3I47,ASP_186,2.15,-2.17,0,0.52
2E3S,ARG_406,12.34,-0.28,0,0.12
2YX0,TYR_274,10.59,0,0,0.59
1QQL,GLU_90,4.01,0.7,-0.8,-0.39
1YOY,TYR_141,10.01,0,-0.2,0.2
3DTE,ARG_241,13.16,-0.24,0.59,0.31
3H04,LYS_11,10.46,-0.04,0,0
1RIS,ARG_112,11.77,-0.76,0.03
3RFY,ASP_193,4.44,-0.05,0.33,0.36
3ONH,ARG_466,11.78,-0.96,0,0.24
3CCY,ARG_75,13.83,-0.44,0.68,1.09
1SFE,ARG_172,11.61,-1.53,0,0.64
3BJV,GLU_42,4.58,0.3,0,-0.22
3JZ9,LYS_382,10.87,-0.28,0.27,0.38
1DZF,ARG_17,13.28,-0.63,0.77,0.64
1XTZ,TYR_99,10.3,0,-0.04,0.34
1AD6,ARG_544,12.44,-0.25,0,0.2
2RGV,HIS_164,5.46,-1.05,0,0.01
1ZCE,TYR_7,13.24,0,0.27,2.97
1WP5,HIS_321,7.6,-0.31,0.8,0.62
3ADO,LYS_307,11.15,-0.17,0.3,0.85,0.52
3GOZ,ASP_316,2.12,-1.72,-0.37,0.41
1QYI,HIS_357,6.12,-0.4,0,0.02
4F3J,ASP_120,4,0,0.01,0.19
1TD6,LYS_34,10.54,-0.08,0,0.12
3ETV,LYS_301,10.63,-0.19,0.05,0.27
1XF8,ARG_120,12.21,-0.29,0,0
2HP7,GLU_145,4.68,0.19,0,-0.01
1O6D,GLU_33,3.84,0.83,-0.68,-0.8
1R7J,ARG_39,12.4,-0.15,0,0.06
3I4T,CYS_98,10.61,0,-0.05,1.66
1YW5,GLU_165,3.91,0.69,-0.93,-0.34
3R2E,ARG_85,12.54,-0.17,0,0.21
1X1E,GLU_118,4.56,0.1,0,-0.04
1RHS,HIS_51,5.57,-1.58,0.63,0.02
1XTZ,GLU_257,3.49,0.57,-0.85,-0.75
4FD6,GLU_114,3.74,1.23,-1.53,-0.47
4F85,HIS_57,4.46,-2.24,0.36,-0.15
3IBT,CYS_52,12.37,-0.36,0.23,3.5
1A8Q,HIS_52,6.07,-2.74,0.87,1.44
4EKU,CYS_61,9.81,-0.76,-0.03,1.59
2K2D,GLU_33,4.84,0.28,0,0.05
2X4J,ASP_33,2.09,-1.64,-0.75,0.69
3IOO,ASP_295,3.89,0,-0.12,0.21
3P28,TYR_103,10.5,0,0.19,0.31
1WYC,TYR_13,10.9,0,0.11,0.78
1R3F,LYS_265,11.23,-0.53,0.85,0.41
1ZYL,GLU_262,6.37,2.68,-0.78,-0.04
1OXZ,LYS_213,10.63,-0.31,0.32,0.12
4DND,LYS_16,10.41,-0.09,0,0
1T95,LYS_160,10.42,-0.08,0,0
1PZC,GLU_4,4.6,0.22,0,-0.11
3OKQ,TYR_558,11.74,0.85,0.46,0.43
1X04,GLU_56,4.72,0.25,0,-0.03
2V4U,ARG_477,12.23,-0.38,0,0.11
3IU5,ASP_59,2.43,-1.48,-0.39,0.5
3LPZ,ARG_98,12.15,-0.51,0,0.16
1GQE,TYR_244,12.22,-0.66,0.46,2.42
3BA1,ASP_123,2.49,-1.26,-0.45,0.41
4EVA,GLU_63,5.45,1.52,-0.68,0.11
1SIG,ARG_122,13.09,-0.43,0.6,0.42
4ETX,ARG_381,13.49,-0.38,0.82,0.56
1YB2,TYR_190,10.94,0.25,0.68
4DBX,ASP_286,4.02,0.07,0.14
1XTD,LYS_169,10.08,-0.42,0,0
3EX9,ASP_96,3.42,-0.79,-0.22,0.63
3BWT,ARG_788,13.21,-0.6,0.57,0.74
3HZQ,GLU_36,4.47,0.21,0,-0.24
4F8A,ASP_631,3.65,-0.3,-0.19,0.34
2G5X,ARG_195,13.89,-0.36,1.28,0.47
2FM9,GLU_153,4.71,0.25,0,-0.04
3ETV,GLU_158,3.79,0.52,-0.85,-0.37
2QK0,ASP_66,2.46,-1.45,-0.46,0.57
1XEU,GLU_269,4.97,0.3,0,0.18
1TD6,GLU_53,4.54,0.22,0,-0.18
1DTO,CYS_140,11.83,0,0.23,2.6
1L2F,TYR_35,10.74,0,0,0.74
3G9B,TYR_42,13.81,-0.7,0.9,3.61
2P5D,LYS_73,11.37,-0.27,0.68,0.47
3H13,LYS_245,10.59,-0.16,0,0.26
4FH3,GLU_124,4.18,0.41,-0.56,-0.17
3P28,LYS_65,10.28,-0.52,0,0.3
3F1X,LYS_31,10.77,-0.24,0,0.51
3G9G,GLU_11,7.2,0.49,0.3,0.94
3GS9,ASP_22,4.15,-0.2,0.2,0.35
3H8Y,ASP_73,3.87,0,-0.08,0.14
2ZQ5,TYR_169,10.47,0.25,0.22
3HST,GLU_348,4.66,0.12,0,0.04
1AK1,LYS_205,10.57,-0.29,0,0.36
3RRQ,GLU_136,4.68,0.23,0,-0.05
2OPJ,ARG_113,12.31,-1.41,0.74,0.48
1YLN,GLU_117,4.65,0.15,0,0
1YM5,GLU_161,5.11,1,-0.12,-0.27
3QKY,TYR_146,10.99,0,0.12,0.88
4EUG,GLU_211,4.82,0.32,0,0
2RH3,GLU_164,4.63,0.13,0,0
3GS9,GLU_111,4.5,0,0,0
3COU,ASP_66,2.07,-2.45,-0.43,1.16
2Q5X,GLU_761,4.37,0.18,0,-0.31
3H13,ASP_343,3.16,-0.75,-0.34,0.44
4EVF,LYS_37,10.33,-0.18,0,0
3ONH,ASP_530,4.21,0.03,0.39
1WRU,GLU_278,5.27,1.71,-0.84,-0.1
3C38,LYS_225,10.29,-0.46,0,0.24
2CXV,LYS_43,10.13,-0.41,0,0.04
2X4G,GLU_63,4.84,0.19,0,0.15
1RLO,LYS_235,10.69,-0.1,0,0.29
1ES9,HIS_53,5.66,-0.8,0,-0.03
1RKA,GLU_172,4.41,0.18,0,-0.26
3CS1,LYS_92,10.31,-0.24,0,0.06
3PM2,GLU_26,4.81,0.29,0,0.02
3RFY,ASP_141,3.93,0,-0.17,0.3
2O0K,ARG_30,11.98,-0.63,0,0.11
3LH5,GLU_675,4.41,0.3,0,-0.39
1R3D,HIS_186,6.27,-0.23,0,0
2AZP,ASP_202,2.76,-1.67,-0.01,0.65
2D8N,TYR_158,10.04,0,-0.3,0.34
1RAJ,ASP_381,1.85,-3,-0.5,1.56
1FO9,TYR_390,13.35,0,0.24,3.11
1XAW,TYR_517,10.82,0.13,0.02,0.68
2CXV,GLU_13,2.5,0.61,-2.04,-0.57
3IOC,ASP_194,2.85,-1.06,-0.44,0.56
1HF8,ARG_125,12.11,-0.39,0,0
2FBQ,GLU_25,4.44,0.11,0,-0.18
2X4J,ARG_104,13.17,-0.28,0.67,0.28
1ZP2,LYS_112,10.48,-0.12,0,0.1
2BDV,ARG_4,10.58,-2.02,0,0.11
1X6J,ASP_374,3.7,0,-0.35,0.25
3RJK,LYS_214,10.42,-0.13,0.0,0.04
3PM2,HIS_167,5.25,-2.0,0.7,0.05
3CCY,GLU_42,4.43,0.1,0,-0.17
3MIX,TYR_643,11.02,0.48,0.54
1DTO,CYS_195,7.79,-1.65,-0.19,0.63
2VGY,ASP_87,3.98,0,0,0.18
1R3F,GLU_106,4.6,0.1,0,0
1WP5,GLU_104,4.5,0.18,0,-0.19
2POL,CYS_227,9.32,0,-0.04,0.36
3JZN,ARG_313,13,-2.16,0.45,2.21
1MTZ,CYS_269,11.8,0.1,2.5,1.55
1LTU,LYS_86,11.24,-0.38,0.63,0.48
3PP8,ASP_214,4.07,0,-0.05,0.32
1X7F,HIS_147,2.79,-3.51,0,-0.2
1WRU,ARG_115,13.02,-0.55,0.58,0.49
2RGV,TYR_309,10.06,0,-0.02,0.08
2FZP,GLU_235,3.73,0.3,-0.68,-0.39
1ZP2,CYS_27,9.98,-0.42,-0.64,2.04
1IDK,LYS_161,12.43,-0.17,0.41,3.19
2B0J,LYS_116,10.57,-0.25,0,0.32
3IVF,LYS_306,10.52,-0.15,0,0.17
2ZQ5,GLU_135,4.03,0.33,-0.78,-0.02
2IRM,GLU_111,5.61,4.04,-1.7,-1.24
1AKO,ARG_116,13.76,-0.47,1.1,0.63
2EHG,GLU_100,4.78,0.24,0,0.04
2CYG,ARG_84,12.27,-0.25,0,0.02
2B61,LYS_316,11.36,-0.41,0.85,0.42
1DOV,GLU_110,4.57,0.18,0,-0.11
1X9G,HIS_78,5.61,-0.76,0,-0.13
2ZTY,LYS_82,11.16,-0.3,0.68,0.28
3RFF,CYS_80,10.27,-0.02,-0.16,1.45
1O17,GLU_215,2.66,1.68,-2.9,-0.61
2PPN,GLU_102,4.63,0.59,0,-0.47
3EGN,TYR_443,13.5,0.52,0.16,2.82
2BV9,HIS_288,5.48,-0.45,0,-0.58
2OSA,HIS_380,6.22,-0.35,0,0.07
2P0Y,ARG_30,12.01,-0.67,0,0.11
3LJC,GLU_124,4.85,0.16,0,0.2
1QQH,LYS_88,10.22,-0.28,0,0
2G5X,LYS_227,10.55,-0.22,0,0.27
1EYH,ARG_141,12.47,-0.1,0,0.07
3AU3,ASP_491,3.19,-0.89,-0.11,0.38
1O6D,GLU_17,4.58,0.14,0,-0.06
1D2K,LYS_274,11.5,-0.32,0.85,0.47
3IOC,TYR_126,10.55,0.36,0.19
2B0J,HIS_123,5.63,-1.26,0,0.39
3GEC,ARG_533,12.3,-0.53,0,0.33

1NAR,HIS_19,6.33,-0.19,0.04,-0.02
2PP6,ARG_80,11.98,-0.3,0,-0.22
3FRR,ARG_61,12.44,-0.52,0.14,0.32
3JZN,LYS_375,10.56,-0.24,0,0.29
2Z84,ASP_87,4.24,0,-5.20E-18,0.45
2IRM,ARG_308,12.78,-0.15,0,0.44
3QAV,ARG_199,12.83,-1.47,0.84,0.95
1YB2,ASP_169,2.55,-1.35,-0.58,0.69
3EVN,GLU_115,4.54,0.16,0,-0.12
1MIX,LYS_324,10.45,-0.05,0,0
2DOA,HIS_180,4.76,-3.15,0.61,0.81
3MTT,LYS_529,10.56,-0.09,0,0.15
1FHL,TYR_258,10.15,0,0,0.15
4DNU,LYS_252,10.59,-0.18,0,0.26
1H4U,ARG_488,10.18,-3.33,0,1
1O59,ARG_339,11.64,-1.98,0,1.11
3K9I,GLU_89,4.43,0.27,0,-0.34
3L0D,HIS_118,6.18,-0.24,0.01,-0.09
1AK1,LYS_307,10.28,-0.38,0,0.16
1BKR,GLU_83,4.87,0.13,0,0.25
3EVP,LYS_69,10.33,-0.19,0,0.02
2D7U,LYS_144,11.5,-0.35,0.85,0.5
3DHN,GLU_204,3.29,2.58,-2.81,-0.99
1MTZ,GLU_186,5.19,0.54,0,0.14
1RZ2,GLU_41,5.03,0.1,0,0.19
4EKU,GLU_314,4.67,0.17,0,0
2G55,ARG_12,13.12,-0.47,0.68,0.42
3K9I,ARG_91,12.42,-0.09,0,0.01
1K95,HIS_141,5.64,-0.56,0,-0.31
3CNU,LYS_108,10.45,-0.05,0,0
3ETV,GLU_167,3.64,0.23,-0.83,-0.26
3H04,LYS_7,10.31,-0.19,0,0
3IBT,LYS_38,10.89,-0.54,0.33,0.6
2IRM,ASP_337,3.97,0,-0.2,0.38
3EUR,TYR_106,13.88,-0.08,0.45,3.51
3H9W,LYS_55,10.42,-0.12,0,0.04
1Z3X,LYS_192,10.48,-0.02,0,0
3N2T,ASP_47,2.85,-0.85,-0.47,0.37
1A8Q,LYS_40,11.5,-0.23,0.85,0.38
2FBQ,TYR_44,10.08,0,0,0.08
2CBE,TYR_51,13.66,0,0,3.66
3FTT,GLU_3,2.86,0.56,-1.67,-0.53
2PPN,ASP_32,3.05,-0.93,-0.23,0.41
4FH3,HIS_41,5.19,-0.94,0,-0.36
2CWC,TYR_266,10.5,-0.31,0.08,0.73
3DSH,ARG_252,12.42,-0.22,0.0,0.14
2IRM,ARG_278,12.42,-0.37,0,0.28
1JKS,ASP_14,3.72,0,-0.43,0.36
3KEY,GLU_461,4.04,0.27,-0.73,0
2IRM,TYR_44,10.04,0,0,0.04
3E0H,GLU_82,4.55,0.09,0,-0.04
1OXZ,GLU_199,4.7,0.3,0,-0.1
3ETV,LYS_27,10.05,-0.34,0,-0.12
3Q1C,GLU_352,4.5,0.08,0,-0.08
2EYI,LYS_95,10.34,-0.61,0.14,0.3
1R6Y,GLU_34,6.78,2.22,0,0.06
1X8F,LYS_79,11.26,-0.2,0.34,0.61
3EVP,LYS_259,11.48,-0.21,0.57,0.62
3CGW,LYS_214,9.75,-0.98,0,0.23
2W2S,ASP_183,4.8,-0.07,-0.45,1.52
2GAU,GLU_166,4.37,0.17,0,-0.3
3RKV,GLU_200,4.62,0.19,0,-0.07
3BCY,TYR_129,9.65,-0.57,-0.34,0.56
1HF8,LYS_149,10.44,-0.06,0,0
3JV1,LYS_94,9.79,-0.69,0,-0.02
200K,CYS_179,12.49,0,0.04,3.44
2GEN,GLU_111,3.99,0.33,-0.46,-0.38
3RJZ,LYS_110,11.1,-0.19,0.55,0.24
2CXC,ARG_129,11.72,-0.78,0,0
2A6B,ARG_173,12.05,-0.55,0,0.1
2FC3,GLU_17,2.94,0.41,-1.59,-0.38
2DVK,ASP_154,4.07,0,0.15,0.12
3RE9,HIS_152,4.19,-2.6,0.78,-0.49
1UOH,ARG_184,12.45,-0.37,0,0.32
3P2F,TYR_47,12.46,0.59,0.59,1.27
3IPZ,GLU_165,4.78,0.17,0,0.11
2E3C,GLU_396,5.18,0.69,0,0
2IF4,LYS_57,10.42,-0.18,0,0.1
2QRX,GLU_110,4.08,0.66,-0.66,-0.42
3M70,GLU_51,4.54,0.15,0,-0.12
3L0D,ARG_110,11.78,-1.0,23,0.04
4EVF,LYS_40,10.43,-0.09,0,0.02
2Q98,HIS_59,4.8,-2.27,0.14,0.43
2ZCX,ARG_197,13.32,-0.12,0.94,0
2PLQ,LYS_321,10.07,-0.16,0,-0.27
3RUX,ARG_189,12.15,-2.26,1.2,0.7
2H30,CYS_68,8.29,-1.92,0.05,1.17
1ZCE,LYS_20,11.64,-0.5,0.87,0.76
3GOZ,CYS_184,9.93,0,-0.01,0.94
4EKU,LYS_98,10.6,-0.4,0.17,0.33
2V81,LYS_198,11.53,-0.2,0.85,0.38
4FH3,ARG_349,12.12,-0.51,0,0.12
1G8P,ARG_202,11.97,-1.11,0,0.57
1AKO,ARG_170,12.17,-0.31,0,-0.03
3HUE,ASP_178,3.97,-0.37,-0.05,0.59
1O0X,GLU_120,3.76,0.26,-0.62,-0.37
3OBS,ASP_123,3.96,-0.78,-0.03,0.98
1QQE,CYS_208,12.18,-0.03,-0.09,3.31
2IF4,ASP_169,3.84,-0.11,0,0.15
3EZ7,GLU_31,4.42,0.23,-0.31,0
2QVT,ARG_122,12.28,-0.22,0,0
2D7U,CYS_131,9.67,-1.92,-0.15,2.74
3GOZ,HIS_297,5.85,-0.3,0,-0.35
3C6B,GLU_251,4.98,1.09,-0.54,-0.06
3EVP,LYS_71,10.56,-0.31,0,0.37
2FL7,LYS_129,10.11,-0.41,0,0.02
2D59,TYR_109,9.42,-1.47,-0.04,0.92
3A4C,CYS_498,9.14,-0.7,0.08,0.76
3GA2,GLU_161,4.69,0.13,0,0.07
3CAX,ASP_472,3.8,0,0,0
2AHE,ASP_180,1.96,-2.98,-0.55,1.69
2QDJ,CYS_278,10.81,-0.07,0.38,1.49
1R29,ARG_122,12.8,-0.19,0.09,0.4
2H01,HIS_132,4.39,-2.26,0.15,0
2Q34,GLU_22,3.92,0.27,-0.85,0
3HYQ,GLU_114,4.67,0.17,0,0.01
1NWA,LYS_104,10.9,-0.22,0,0.61
2Q12,GLU_255,4.59,0.09,0,0
1QQH,HIS_188,6.56,-0.79,0.85,0.01
1NJ4,HIS_146,5.88,-0.6,0,-0.03
4EF5,ARG_284,11.84,-0.88,0,0.22
3PP8,LYS_298,10.62,-0.14,0,0.26
3PU6,ASP_143,2.8,-0.79,-0.77,0.56
1SIG,GLU_152,4.6,0.42,0,-0.32
4ANN,GLU_149,4.25,0.67,-0.54,-0.38
3NR5,GLU_109,4.73,0.16,0,0.06
4AM1,TYR_168,10.16,-0.53,-0.28,0.98
3BB7,GLU_263,4.26,0.64,-0.39,-0.5
1R53,HIS_271,6.55,-0.54,0.57,0.01
2A4D,GLU_197,4.29,1.06,-0.83,-0.43
2AXQ,LYS_171,10.46,-0.08,0,0.04
1PV5,ARG_247,12.76,-0.19,0.21,0.25
2OJQ,GLU_474,4.57,0.07,0,0
2ZTY,ASP_85,2.14,-1.82,-0.53,0.68
3M66,ARG_181,12.44,-0.22,0,0.17
3OIP,LYS_22,11,-0.15,0.2,0.44
1VJG,GLU_130,4.18,0.8,-0.72,-0.4
2B61,CYS_167,13.62,-0.05,1.03,3.65
2R51,LYS_230,10.9,-0.19,0,0.59
3FXH,GLU_34,4.45,0.21,-0.16,-0.09
1L2H,TYR_68,11.66,0,0.08,1.58
2HP7,TYR_89,12.51,-0.68,0.46,2.74
4E2B,GLU_228,4.34,0.34,0,-0.49
1FQI,GLU_349,4.67,0.22,0,-0.05
3GEC,LYS_446,10.02,-0.36,0,-0.12
1DZF,GLU_102,4.39,0.14,0,-0.26
3EUR,GLU_74,3.36,0.43,-1.47,-0.1
2OGQ,TYR_462,10.96,0.27,0.29,0.41
2OKT,GLU_303,4.32,0.2,0,-0.38
1XEU,LYS_185,10.16,-0.28,0,-0.06
2G2D,ARG_137,12.56,-0.19,0,0.25
3LD1,CYS_110,9.17,-0.17,0,0.34
3R1X,ARG_106,13.53,-1.73,1.29,1.47
3IBT,ARG_56,12.54,-0.91,0.36,0.59
3S0A,ASP_58,2.61,-1.39,-0.38,0.6
2OKT,HIS_165,6.11,-0.25,0,-0.14
3BQE,LYS_363,11.27,-0.46,0.67,0.56
1UAJ,GLU_80,4.56,0.08,0,-0.02
2P52,HIS_230,5.69,-0.87,0,0.06
1GSZ,GLU_109,4.73,0.24,0,-0.01
3IBT,ARG_167,12.22,-0.28,0,0
3L1N,GLU_300,4.86,0.36,0,0
3RVC,ARG_200,12.46,-0.1,0,0.06
4EKU,ASP_37,4.07,0,-0.11,0.38
2XMX,LYS_262,10.4,-0.11,0,0.01
1XEU,LYS_217,10.36,-0.12,0,-0.02
1ZCE,GLU_10,3.99,0.32,-0.47,-0.36
2Q13,ASP_49,3.84,0,-0.37,0.4
1X7F,LYS_288,10.63,-0.16,0,0.28
1W24,LYS_21,10.81,-0.35,0.12,0.55
3MBX,GLU_668,4.64,0.14,0,0
3BB7,HIS_179,6.15,-0.44,0,0.1
1XFK,HIS_15,6.45,-0.32,0.27,0
1RAJ,ARG_379,11.97,-0.69,0,0.16
1PVT,ARG_2,12.51,-0.1,0,0.1
1NJ4,ARG_304,13.69,-0.6,1.07,0.72
2G9D,ASP_298,3.82,0,-0.16,0.17
3Q6L,ASP_3,3.74,0,-0.23,0.17
3FM,GLU_345,3.72,1.06,-1.4,-0.43
2H85,ASP_16,2.83,-0.81,-0.71,0.56
1SQH,ARG_72,12.08,-0.43,0,0.02
3EST,GLU_145,1.78,3.52,-1.79,-4.46
3CE7,ASP_66,4.57,0,0,0.77
3Q9P,CYS_137,9.24,0,-0.18,0.43
1UXO,GLU_161,7.26,-0.24,0.73,0.27
3PAC,ASP_70,4.13,-0.19,-0.01,0.53
3CIV,ARG_33,12.12,-0.41,0,0.03
2HXB,ASP_25,3.84,0,-0.14,0.18
1AKO,GLU_95,4.85,0.35,0,0
1YR6,GLU_174,3.46,0.33,-1.02,-0.35
1Q8B,LYS_48,11.13,-0.14,0.4,1.87
3PAC,ASP_143,3.21,-0.93,-0.19,0.53
1SJY,ARG_64,13.26,-0.53,0.16,1.12
3C2E,LYS_84,11.46,-0.19,0.66,0.49
1Q42,ASP_110,2.38,-2.11,-0.35,1.03
3MX,GLU_321,4.45,0.15,0,-0.2
1SQH,ASP_15,2.45,-1.18,-0.96,0.78
2JHY,TYR_175,10.5,-0.08,-0.39,0.96
3M16,LYS_226,10.35,-0.25,0,0.1
1NKD,HIS_44,6.55,-0.48,0.21,0.33
3I47,TYR_8,11.42,0,0.17,1.26
3UAH,TYR_170,13.67,0.04,0.81,2.82
3QKY,GLU_93,4.35,1.71,-0.96,-0.9
2B61,ASP_334,3.03,-0.85,-0.33,0.41
1J7G,LYS_41,10.95,-0.34,0,0.79
3ANJ,LYS_88,10.62,-0.3,0.03,0.38
1S7K,ARG_147,12.34,-0.1,0,-0.06
2FG1,LYS_146,10.54,-0.58,0.41,0.21
3DTE,ARG_75,12.47,-0.22,0,0.2
2O8P,GLU_184,4.65,0.2,0,-0.04
1WRU,GLU_133,3.9,0.29,-0.91,0.02
2EFK,ARG_226,12.41,-0.59,0,0.5
3FXH,HIS_11,6.16,-0.34,0,0
3GW3,GLU_63,3.05,0.4,-1.5,-0.35
2H30,LYS_80,10.55,-0.22,0,0.27
3K8U,LYS_7,9.99,-0.4,0,-0.1
2GAU,ASP_173,1.61,-2.56,-0.27,0.64
3H5T,CYS_274,13.12,0.0,0.29,3.83
1MUF,LYS_233,10.23,-0.33,0,0.06
1V43,GLU_62,4.28,0.88,-0.43,-0.67
2EHG,ASP_142,3.86,0,-0.15,0.21
3LMF,HIS_40,5.78,-0.51,0.02,-0.23
3GE9,GLU_152,4.6,0.1,0,0.01
1JB3,LYS_38,11.32,-0.68,0.74,0.77
3T57,GLU_296,4.55,0.5,-0.05,-0.4
2BLL,HIS_361,7.41,-0.34,0.85,0.4
4ECC,ASP_75,3.63,-0.02,-0.29,0.15
1SJY,GLU_65,6.14,1.34,0,0.31
1YM5,TYR_64,10.31,-0.12,0.03,0.4
1U53,LYS_68,10.39,-0.11,0,0
2AH5,TYR_71,13.06,0,-0.02,3.07
4FH3,TYR_52,9.69,-0.84,-0.81,1.34
3GS3,GLU_221,4.67,0.15,0,0.02
1Z3X,ARG_193,13.7,-0.35,1.17,0.38
1SIG,ARG_260,11.78,-0.85,0.0,0.13
4AM1,LYS_303,10.64,-0.68,0.13,0.28
2G9D,HIS_295,6.27,-0.24,0.1,0.4E-17
3AUF,ARG_189,13.27,-0.4,0.39,0.78
2H2W,GLU_83,3.96,0.21,-0.75,0
2Z0M,ARG_257,12.33,-0.2,0,0.04
2H2Z,ARG_217,12.23,-0.35,0.0,0.08
2OKT,ARG_321,12.31,-0.19,0,0
2Q99,GLU_11,5.57,3.95,-1.67,-1.22
1O9G,ASP_153,3.89,-0.71,0.13,0.67
3COU,ARG_67,12.49,-0.05,0,0.04
3BCY,HIS_60,6.62,-0.28,0,0.4
3EOD,LYS_80,10.62,-0.27,0.0,0.39
3TOW,ARG_190,12.59,-0.32,0,0.42
4FZN,ARG_163,12.78,-0.28,0.22,0.34
3L7N,LYS_62,10.9,-0.3,0.31,0.39
3HVM,LYS_74,10.25,-0.57,0,0.33
1O17,GLU_19,4.43,0.28,0,-0.34
1ILW,CYS_133,13.41,-0.02,1.19,3.24
3DTE,ARG_54,12.37,-0.22,0.0,0.09
1V43,GLU_66,4.4,0.24,0,-0.34
3ETV,LYS_182,10.44,-0.06,0,0.01
3CZC,HIS_62,6.65,-0.31,0.24,0.21
3TMO,LYS_253,10.64,-0.16,0,0.29
2RJD,GLU_214,4.86,0.32,0,0.04
3ONH,GLU_534,4.65,0.12,0,0.03
2BQQ,TYR_70,12.33,0.0,0.6,1.74
2FG1,ASP_88,1.7,-2.14,-0.62,0.66
4ANN,ASP_60,2.94,-0.85,-0.66,0.65
2VGM,LYS_25,11.35,-0.42,0.45,0.83
4DNU,TYR_82,10.9,-0.66,0,1.56
3D9H,GLU_231,4.36,0.29,-0.31,-0.12
2W1R,GLU_100,4.4,0.15,-0.06,-0.2
2G9D,ARG_90,11.93,-1.99,0.62,0.8
4H4J,ARG_139,12.59,-0.18,0.11,0.17
2JKF,GLU_149,4.58,0.08,0,0
3BWT,HIS_783,6.24,-0.19,0,-0.07
2XJ4,ARG_44,13.79,-0.33,1.19,0.42
1NWA,GLU_101,3.77,0.3,-0.46,-0.56
2JEO,CYS_40,13.04,-0.09,0.79,3.33
3EVP,ARG_254,9.57,-3.11,0,0.17
1VJG,HIS_182,5.82,-1.78,0.85,0.24

1YTD,LYS_230,11.39,-0.39,0.85,0.44
2G9D,ARG_242,12.81,-1.52,0.76,1.07
3RNV,ASP_410,2.57,-1.29,-0.38,0.45
3DSH,ASP_239,4.55,0.03,0.72
3DSH,CYS_340,10.23,-0.01,-0.13,1.36
2DG7,TYR_47,10.68,0,0,0.68
3ERF,CYS_86,11.05,-0.18,-1.15,3.36
3G9B,ARG_46,12.6,-0.37,0,0.47
3AU3,LYS_523,10.38,-0.27,0,0.15
1R5Q,CYS_45,9.36,-0.01,0,0.37
3G59,TYR_212,10.22,0,0,0.22
1P1L,GLU_102,5.06,0.41,0,0.16
3CX2,ASP_245,4.04,0,-0.05,0.29
3LD1,CYS_212,11.26,-0.03,-0.02,2.29
2HRZ,ARG_22,12.21,-0.41,0,0.12
3JZ9,GLU_344,4.79,0.21,0,0.08
3CAX,LYS_126,10.99,-0.41,0.52,0.38
2EDM,ARG_67,12.19,-0.69,0,0.38
3LJN,GLU_307,4.88,0.24,0,0.14
3K8J,GLU_67,4.49,0.06,0,-0.08
1G8P,ARG_262,12.5,-0.4,0.13,0.27
1DCF,LYS_95,10.43,-0.07,0,0
1F9V,GLU_85,4.63,0.11,0,0.03
2BAA,ARG_110,12.4,-0.43,0,0.34
3VJ8,GLU_113,4.3,0.27,-0.11,-0.36
1VSM,GLU_187,4.47,0.1,-0.13
3RJX,LYS_274,10.43,-0.07,0,0
3JZ9,ASP_388,3.31,-0.85,-0.16,0.53
1PGV,HIS_266,5.94,-0.52,0,-0.03
1D2K,TYR_219,12.87,0.71,0.47,1.69
1RI6,LYS_297,10.54,-0.2,0,0.23
2X4L,LYS_56,10.31,-0.22,0,0.02
1DUN,LYS_42,10.48,-0.18,0,0.15
1SNT,TYR_59,11.2,0.06,1.14
2ZOM,HIS_199,4.98,-1.53,0,0.03
2ZCO,ARG_271,12.44,-0.16,0,0.09
3CNU,CYS_12,12.45,0.53,0.72,2.21
2AXO,ARG_143,12.64,-0.09,0,0.23
2V5B,ARG_55,12.32,-0.3,0,0.12
2VAN,GLU_172,4.67,0.2,0,-0.03
3IVF,ASP_27,4.15,-0.12,-0.15,0.61
3M16,ARG_135,11.86,-0.71,0,0.05
1YTQ,HIS_106,6.6,-0.44,0.71,-0.17
2ZQ5,LYS_22,10.4,-0.07,0,-0.03
1MUF,GLU_279,4.47,0.19,-0.2,-0.03
1EYH,TYR_101,10.18,0.05,0.14
1YG2,TYR_137,10.78,1.41,1.08,1.29
2P52,HIS_176,5.88,-0.74,0.43,-0.31
1XIP,TYR_243,13.25,-0.34,0.8,2.78
1AD6,LYS_548,10.09,-0.3,0,-0.11
1YTQ,TYR_163,11.34,-0.07,0.09,1.32
2D7U,LYS_65,11.36,-0.37,0.85,0.38
2OGQ,LYS_589,10.35,-0.23,0,0.08
3IRA,GLU_64,4.79,0.25,0,0.04
1PVT,TYR_71,10.89,0,0.53,0.36
4ECC,CYS_151,9.55,0,0.12,0.42
3PBH,LYS_166,10.42,-0.42,0,0.33
2WOZ,LYS_602,10.29,-0.25,0,0.05
3HO4,CYS_77,11.03,-0.01,0.59,1.47
3EX9,GLU_36,4.67,0.22,0,-0.05
2ZCX,GLU_133,4.21,0.3,-0.59,0
3LD1,GLU_128,4.69,0.21,0,-0.03
1WPS,ARG_248,13.78,-0.9,1.55,0.63
2BLI,CYS_383,11.68,0,-0.24,9.91
1OIS,LYS_236,11.45,-0.32,0.83,0.44
3TRE,ARG_54,12.41,-0.36,0,0.28
2PLQ,ASP_303,3.85,0,-0.1,0.16
3IL3,ARG_17,11.78,-1.36,0.01,0.63
1IDK,TYR_254,10.39,0,0.18,0.21
1O17,GLU_278,4.31,0.36,-0.84,0.28
2IQT,GLU_190,5.94,3.97,-1.66,-0.87
1RWZ,LYS_233,10.45,-0.45,0,0.24
4FZR,LYS_79,10.57,-0.17,0,0.4
1NAR,HIS_133,6.36,-0.73,0.29,0.3
1XIP,TYR_108,10.51,0,0,0.51
2RJD,TYR_255,13.33,0,0.62,2.72
3ETV,LYS_145,10.27,-0.23,0,0
3HUE,ARG_250,12.5,-0.1,0,0.1
2WB8,ASP_703,2.95,-1.45,-0.01,0.6
1W7B,LYS_206,10.45,-0.05,0,0
4GA2,TYR_116,9.83,0,-0.43,0.26
1LTU,LYS_167,10.18,-0.29,0,-0.03
3ASA,ASP_378,4.44,-0.03,-0.01,0.69
3CIV,HIS_113,6.78,-0.34,0,0.61
3JZN,ASP_237,3.64,-0.67,-0.15,0.65
2WB8,ARG_590,13.96,-0.43,1.26,0.64
3ADO,TYR_255,10,-0.04,-0.2,0.23
2OEW,GLU_144,4.84,0.24,0,0.1
1IAP,ARG_152,12.31,-0.22,0,0.03
3OA7,TYR_534,10.65,0.31,0.34
1NJ4,GLU_230,5.01,0.7,0,-0.19
3IVF,HIS_124,6.22,-0.45,0,0.17
2WZ9,GLU_75,4.34,0.24,-0.4,0
3K1H,GLU_130,4.79,0.25,0,0.04
1V6T,GLU_23,4.66,0.24,0,-0.08
1FKM,ARG_303,12.38,-0.12,0,0
1KCM,GLU_102,3.72,0.57,-0.85,-0.49
3RNV,GLU_375,3.67,0.41,-0.85,-0.38
1QQE,LYS_261,10.49,-0.09,0,0.09
3ELI,ARG_8,11.79,-0.68,0,-0.03
1V43,LYS_370,10.38,-0.13,0,0
2DG7,ASP_139,2.66,-1.6,0,0.45
1Q46,GLU_116,4.51,0.23,0,-0.22
3CRM,GLU_272,3.59,0.29,-0.9,-0.3
1EW4,HIS_58,6.14,-0.52,0.04,0.12
1AD6,ARG_418,11.76,-1.77,0.19,0.84
3H6Q,ASP_113,3.73,0,-0.24,0.18
1IAP,GLU_169,4.17,1.28,-1.11,-0.5
3GE9,HIS_69,6.17,-0.31,0,-0.02
1UOH,LYS_206,10.62,-0.25,0,0.37
1ZCU,CYS_88,13.14,-0.53,0.09,4.57
3GYW,TYR_127,10.49,0,-0.05,0.54
1QYI,TYR_27,10.66,-0.06,-0.21,0.93
1PGV,ARG_312,12.21,-0.31,0,0.03
1YB2,GLU_20,4.11,0.41,-0.56,-0.23
3RLE,ARG_101,13.25,-0.54,0.83,0.46
2H01,GLU_19,4.85,0.41,0,-0.06
3N2T,LYS_228,10.46,-0.04,0,0
3F1X,LYS_122,10.24,-0.35,0,0.09
2AD1,LYS_202,11.15,-0.31,0.28,0.67
1PV5,ARG_28,12.35,-0.22,0,0.07
1L2F,ARG_119,12.41,-0.17,0,0.08
3QKY,ARG_52,12.75,-0.33,0.26,0.31
1TR9,HIS_108,5.6,-2.31,1.22,0.19
2P0Y,LYS_143,10.37,-0.17,0,0.04
3BA1,GLU_240,4.07,0.4,-0.49,-0.35
3JV1,GLU_114,5.16,0.3,0.37
1DOV,ASP_114,3.26,-0.85,0.31
3G53,TYR_131,11.51,-1.29,-1.14,3.92
2Q34,CYS_103,10.76,-0.72,-0.5,2.99
3IRA,ARG_128,12.54,-0.29,0,0.33
2FZP,ARG_231,13.38,-0.11,0.68,0.3
2CW4,ARG_51,11.91,-1.03,0,0.45
3EGN,LYS_437,10.34,-0.27,0,0.12
2NRK,GLU_18,4.79,0.16,0,0.13
2BDD,LYS_144,10.19,-0.31,0,0
3RFF,ASP_112,3.16,-0.62,-0.38,0.36
3P2F,GLU_81,4.04,0.45,-0.85,-0.06
1SQW,LYS_100,10.29,-0.21,0,0
2ZCO,GLU_180,4.52,0.12,0,-0.09
3EVN,GLU_60,4.72,0.17,0,0.05
3OA7,TYR_501,10.08,0,-0.07,0.15
3MI7,LYS_501,10.33,0.01,0.22
2RIS,LYS_204,10.46,-0.04,0,0
1UOH,ASP_68,4.12,0,-0.15,0.46
2Q99,ARG_52,12.27,-0.29,0,0.06
2FG1,TYR_97,9.95,-0.74,-0.05,0.75
2VGM,GLU_132,4.17,1.09,-0.6,-0.82
2VGM,GLU_333,4.55,0.24,0,-0.19
2E3S,TYR_435,10.41,-0.01,-0.46,0.87
3U2A,ARG_79,13.06,-0.54,0.79,0.31
2IDC,ASP_20,3.09,-0.84,-0.47,0.59
2Q07,ARG_436,13.2,-0.64,0.12,1.23
3GFF,HIS_441,5.82,-1.04,0,0.36
2PIM,ASP_32,3.28,-0.8,-0.02,0.3
1Z9L,TYR_78,10.27,0,0.08,0.2
3P2F,ARG_44,12.6,-0.35,0,0.46
3P28,GLU_165,2.74,0.63,-1.57,-0.81
3L3P,ARG_445,13.29,-0.51,0.6,0.71
3HXK,HIS_37,5.92,-0.53,0,-0.05
2QVT,ARG_123,12.32,-0.25,0,0.07
3BWT,ASP_610,3.36,-1.47,-0.12,1.16
1W7B,LYS_302,10.53,-0.39,0,0.42
3H6Q,TYR_103,10.71,0,0.1,0.61
157K,ASP_101,0.79,-3.4,-0.38,0.78
2W2S,ARG_73,12.64,-0.3,0.07,0.37
2QKT,LYS_147,10.21,-0.4,0,0.11
1WXF,GLU_137,5.01,0.51,0,0.01
2WOZ,ASP_421,3.39,-0.64,-0.24,0.48
3CE7,GLU_88,3.62,0.72,-1.42,-0.18
1NIJ,GLU_42,4.41,0.08,0,-0.17
1ZBP,GLU_10,4.62,0.15,0,-0.03
2Q99,LYS_215,12.32,-0.9,1.7,1.02
1TLV,TYR_202,9.76,-0.73,-0.05,0.53
3M70,GLU_86,4.61,0.29,0,-0.19
2BQQ,TYR_103,9.92,0,-0.34,0.26
3JSN,TYR_52,10.42,-0.11,0.23,0.3
3CGW,GLU_142,4.87,0.22,0,0.15
3ONH,LYS_457,10.88,-0.19,0,0.57
3OIP,TYR_95,11.52,0.75,0.38,0.39
1AM2,HIS_187,6.62,-0.46,0.37,0.21
1L2F,LYS_179,10.46,-0.68,0,0.65
2PP6,LYS_23,10.69,-0.19,0,0.38
1TP6,ARG_66,12.48,-0.98,0.66,0.3
3TOW,ASP_67,4.02,0,-0.15,0.38
1ZCU,TYR_94,13.09,0.8,0.73,1.55
1ZP2,LYS_66,10.48,-0.15,0,0.13
2V4X,LYS_70,10.3,-0.51,0,0.31
2ATR,LYS_5,10.4,-0.11,0,0.01
2H01,TYR_160,9.81,-0.4,0,0.21
4FZN,TYR_13,13.58,0,0.09,3.5
1L2F,LYS_173,10.7,-0.09,0,0.28
1N81,ARG_92,13.3,-0.31,0.53,0.57
2FBI,GLU_122,4.29,0.18,-0.39,0
2WOZ,LYS_575,11.05,-0.23,0.1,0.68
2R57,GLU_321,5.52,3.9,-2.8,-0.08
2IF4,GLU_192,4.51,0.06,0,-0.05
3NR5,ASP_62,2.86,-1.4,0,0.46
3GG6,GLU_79,4.72,0.32,0,-0.1
2X4G,GLU_246,4.97,0.35,0,0.11
2R51,GLU_98,4.96,0.36,0.19,-0.08
4F8S,GLU_94,4.62,0.64,-0.36,-0.15
3ASA,ARG_268,12.71,-0.32,0.16,0.38
3DTE,TYR_103,10.56,0.08,0.48
3U4K,TYR_113,12.73,0,-0.1,2.83
2EFK,LYS_66,10.24,-0.34,0,0.08
3I47,TYR_230,10.72,0,0.25,0.48
3BQW,LYS_184,9.81,-0.78,0,0.09
1Y2Q,LYS_18,10.38,-0.06,0,-0.07
3DB9,ASP_117,3.74,-0.36,-0.01,0.31
3L7N,ARG_231,13.22,-0.36,0.57,0.51
3M70,GLU_58,3.57,0.4,-0.85,-0.47
2G55,TYR_78,10.75,-0.08,-0.8,1.63
4D8L,ARG_121,10.71,-1.55,0,-0.23
3UV9,ASP_447,3.12,-0.92,-0.32,0.56
1NIJ,ASP_189,3.82,0,-0.24,0.27
1X8F,LYS_130,10.42,-0.08,0,0
1T95,ASP_143,3.24,-0.77,-0.55,0.77
2FG1,GLU_141,3.12,0.38,-1.43,-0.33
2Q99,LYS_368,10.44,-0.06,0,0
2PLQ,TYR_171,11.25,0.63,0.62
1MJS,GLU_346,6.04,1.65,-0.04,-0.06
3RHE,HIS_114,6.83,-0.25,0,0.58
3QOP,ARG_33,3.31,-0.55,-0.39,0.45
3Q1C,HIS_186,6.11,-0.77,0,0.37
2C2Y,GLU_106,4.24,0.65,-0.8,-0.11
2W2S,LYS_115,11.16,-0.31,0.44,0.53
2YT4,GLU_574,4.88,0.74,0,-0.36
3PP8,GLU_136,3.02,0.7,-1.72,-0.45
1RWZ,LYS_130,11.05,-0.28,0.45,0.38
1L2F,LYS_269,9.36,-0.55,0,-0.59
1U3Y,LYS_312,10.76,-0.15,0,0.42
157K,ASP_165,3.82,0,-0.18,0.2
2AHE,CYS_234,11.87,0,-0.01,2.88
1Q5Z,GLU_603,4.51,0.27,0,-0.26
2QOP,ARG_168,12.11,-1.12,0.03,0.7
1X91,ASP_106,4.19,0.09,0.29
3C38,ARG_72,12.12,-0.43,0,0.04
1AIL,GLU_26,4.57,0.07,0,0
1T6L,LYS_78,11.03,-1.24,0.77,0.99
3JZN,ASP_362,3.35,-0.81,0,0.36
2IXM,HIS_318,6.98,-0.4,0.85,0.03
2QDJ,GLU_315,4.58,0.28,0,-0.2
2QEV,LYS_34,9.95,-0.58,0,0.02
2WB8,LYS_771,10.35,-0.29,0,0.13
4H4J,GLU_47,2.66,1.81,-2.19,-1.46
2Q12,ARG_72,12.42,-0.08,0,0
3HVM,GLU_161,4.41,1.07,-0.96,-0.2
1QZN,ASP_83,2,-1.79,-0.51,0.5
3RLE,LYS_50,10.41,-0.13,0,0.05
1X1E,CYS_173,10.62,-1.1,-0.14,2.85
1M5I,ARG_232,13.05,-0.36,0.66,0.25
2BAA,LYS_109,10.36,-0.27,0,0.13
1NKD,GLU_5,3.87,0.41,-0.87,-0.16
2EA9,CYS_100,9.27,0,-0.09,0.36
2YX0,TYR_158,10.36,0.02,0.34
3U0V,LYS_163,10.38,-0.12,0,0
4ANN,ARG_153,12.65,-0.93,0.54,0.53
2B78,ARG_316,12.28,-0.26,0,0.04
4FCU,ASP_64,3.12,-0.85,-0.53,0.7
2DFL,ARG_180,12.52,-0.44,0,0.46
2HXB,ASP_7,2.46,-1.63,-0.12,0.41
4EVF,LYS_169,10.39,-0.15,0,0.03
1QQE,GLU_224,4.47,0.62,-0.1,-0.55
3Q2C,GLU_92,4.55,0.39,-0.14,-0.2
3H8Y,CYS_68,10.36,-0.22,0.16,1.42
2Z84,CYS_186,9.23,0,-0.02,0.24
1X8F,ASP_243,3.98,-0.13,-0.11,0.43
2E3S,GLU_409,4.68,0.26,-0.09
4HDE,HIS_158,5.36,-1.82,0.68,0
3C5V,ARG_369,12.24,-0.26,0,0
1WXQ,LYS_241,10.44,-0.06,0,0
1NJ4,LYS_246,10.42,-0.17,0,0.1
2RJD,LYS_442,10.14,-0.36,0,0
2B78,ARG_248,12.19,-0.31,0,0
1BYI,GLU_44,4.6,0.27,-0.19,0.02

1R53,LYS_183,10.23,-0.23,0,-0.04
3O48,ASP_12,2.85,-1.16,-0.21,0.41
1JKS,TYR_83,12.49,0.49,0.5,1.49
1YR6,TYR_238,10.77,0.27,0.38,0.11
3M7G,ASP_178,3.39,-0.03,0.0,0.14
1WPA,GLU_419,4.5,0.32,0,-0.32
2F19,TYR_45,9.63,-0.85,-0.06,0.54
3G6S,LYS_35,10.48,-0.35,0,0.32
1CHD,HIS_270,5.75,-0.66,0,-0.1
1NRI,HIS_114,6.31,-0.26,0.13,-0.05
1P6F,LYS_186,10.36,-0.13,0,0
3ODJ,LYS_88,10.44,-1.16,0.75,0.34
2GZR,GLU_165,5.92,2.5,-0.6,-0.48
1W7B,ARG_178,12.43,-0.19,0,0.12
3F7M,ARG_120,11.8,-0.81,0,0.11
3ULX,GLU_26,3.73,0.33,-0.91,-0.19
3RLE,CYS_192,11.55,0.05,2.5
1EV8,TYR_209,11.97,0.33,0.85,0.79
3OOP,ARG_106,12.78,-0.7,0.35,0.63
3I0C,TYR_71,10.83,0.02,0.46,0.35
3Q1C,HIS_40,6.58,-0.35,0.14,0.3
1TWU,GLU_121,4.6,0.76,-0.34,-0.32
1MD6,LYS_11,10.36,-0.36,0,0.22
2BDD,ASP_120,1.71,-2.38,-0.4,0.7
3BA1,GLU_44,3.77,0.29,-0.63,-0.38
3CGW,LYS_176,11.04,-0.28,0.43,0.39
2G9D,ASP_336,3.98,0,0,0.18
2H8O,ARG_44,12.41,-0.25,0,0.17
1PBV,GLU_117,3.86,0.6,-0.63,-0.61
2D0A,LYS_132,11.33,-0.71,0.65,0.89
1OST,TYR_248,10.22,0,0,0.22
2IQT,LYS_203,10.46,-0.23,0,0.19
2YXO,CYS_81,12.11,-1.24,0.86,3.48
1TXJ,TYR_134,12.06,0.69,1.36
3BA1,GLU_272,2.29,1.02,-2.26,-0.97
3GW3,GLU_270,4.88,0.15,0,0.23
2Z61,TYR_308,10.55,-1.5,-1.62,3.67
1ZBS,TYR_277,10.22,-0.27,-0.66,1.15
1DVO,LYS_138,10.51,-0.11,0,0.12
2BV9,HIS_137,7.12,-0.85,0.85,0.62
3CIV,TYR_247,10.43,-0.04,-0.26,0.72
3T57,ARG_259,12.66,-0.21,0,0.37
1OIS,TYR_358,10.42,0,-0.11,0.53
1T9S,LYS_139,10.4,-0.23,0,0.13
1PBV,ARG_152,12.51,-0.19,0,0.2
3GEC,ARG_460,12.77,-0.71,0.33,0.65
1X1E,ASP_51,2.94,-0.93,-0.52,0.59
1HUF,GLU_118,2.9,1.14,-1.7,-1.04
1XTZ,ASP_63,3.09,-0.79,-0.4,0.48
4EKU,GLU_301,4.46,0.6,-0.51,-0.14
2W0G,TYR_248,12.07,0,0.18,1.88
2GZQ,ASP_87,3.89,0,-0.15,0.24
2R2Y,HIS_58,6.62,-0.57,0.12,0.56
1SQH,GLU_175,4.65,0.19,0,-0.04
4HDE,GLU_120,4.51,0.07,0,-0.06
2EA9,HIS_87,5.51,-0.61,0,-0.38
3QKY,LYS_85,11.16,-0.22,0.5,0.38
3UAH,TYR_396,9.5,-0.73,-0.71,0.94
2POL,LYS_187,11.48,-0.37,0.85,0.5
1YOY,GLU_41,4.08,0.39,-0.82,0
1XWM,LYS_102,10.41,-0.23,0,0.15
2C13,TYR_223,11.97,-0.03,0.02,1.98
2BQQ,ARG_56,12.2,-0.6,0,0.31
1O59,LYS_140,10.52,-0.35,0,0.38
2O8PHIS_62,6.91,-0.7,0.85,0.26
2XJ4,GLU_94,4.5,0.44,0,-0.44
2H30,LYS_157,10.35,-0.15,0,0
2RIK,LYS_193,10.73,-0.11,0,0.34
3VHJ,ASP_104,4.31,0,0.21,0.3

1LZL,ASP_233,4.19,0.021,0.18
2P52,HIS_211,4.81,-1.62,0,-0.08
1WXQ,LYS_295,10.41,-0.09,0,0.01
2P1W,GLU_199,4.41,0.15,0,-0.23
1Q42,ASP_66,2.83,-1.33,-0.5,0.86
1R5S,ARG_143,13.3,-0.29,0.67,0.42
2PGX,ASP_87,3.87,0,-0.04,0.11
2FD4,TYR_547,10.88,0,0.12,0.77
3IBT,ASP_161,2.73,-1.13,-0.41,0.47
4AE7,CYS_142,12.27,-0.81,0.08,4
2HP7,GLU_111,4.63,0.13,0,0
3IV4,LYS_4,10.73,-0.19,0,0.41
3T5B,GLU_389,4.44,0.26,0,-0.31
1ZBS,ARG_230,12.43,-0.07,0,0
2ATR,GLU_8,4.49,0.1,0,-0.11
1HUF,CYS_23,9.86,-0.04,0.04,0.86
1R29,HIS_116,6.54,-0.14,0,0.18
1WRU,ARG_244,11.99,-0.41,0,-0.11
2AZL,LYS_53,10.36,-0.53,0,0.39
2ZCO,CYS_11,12.49,-0.07,0.12,3.43
2E3S,ASP_385,3.07,-0.91,-0.14,0.33
1BN6,ASP_167,3.89,-0.04,-0.09,0.22
3P51,GLU_139,3.85,0.94,-1.13,-0.45
2RFA,GLU_164,3.21,2.12,-2.49,-0.92
2NMM,LYS_29,6.21,-0.82,0,0.53
3T57,GLU_248,4.66,0.2,0,-0.03
2XMX,HIS_243,4.99,-3.3,0.85,0.95
1RWZ,TYR_197,12.02,0.85,0.45,0.72
3NOK,TYR_136,10.85,0,0.12,0.73
1SI7,ARG_56,11.77,-1.09,0,0.36
3CNU,ARG_102,12.41,-0.12,0,0.03
1R15,ARG_113,12.61,-0.14,0,0.25
4DIU,LYS_82,10.25,-0.29,0,0.04
1RWZ,TYR_236,13.63,0,0.17,3.45
3F53,ARG_222,12.17,-0.49,0,0.16
1NKD,ARG_52,12.99,-0.19,0.4,0.28
1NRI,GLU_99,3.22,0.4,-1.06,-0.63
2O4D,GLU_77,4.53,0.13,0,-0.11
4DNU,GLU_138,3.48,0.25,-0.84,-0.43
3EJC,ARG_9,12.48,-0.02,0,0
2XHC,LYS_25,9.6,-0.9,0,0
1RHS,TYR_70,10.67,0,0.02,0.64
2OJQ,LYS_564,10.52,-0.07,0,0.1
2R57,CYS_193,11,-0.04,-0.13,2.17
3Q1C,ARG_106,12.4,-0.42,0,0.32
2EYI,HIS_88,6.83,-0.4,0.6,0.14
2GAU,ASP_221,2.74,-1.26,-0.33,0.53
1SNT,ARG_134,12.4,-0.33,0,0.23
2AHE,ARG_227,13.59,-0.88,1.31,0.65
3VJ8,CYS_303,11.89,0,-0.18,3.06
3DSH,ARG_249,12.25,-0.34,0,0.09
3M66,ASP_202,2.83,-0.87,-0.38,0.29
2D7J,LYS_28,10.45,-0.16,0,0.11
3ZXY,GLU_200,5.29,0.33,0,0.46
1Y0K,ARG_46,13.27,-0.13,0.81,0.09
1YW5,ARG_132,12.53,-0.26,0.04,0.24
1U7U,GLU_402,3.62,0.43,-0.89,-0.41
2ZCX,GLU_152,3.99,0.82,-0.71,-0.63
3IDW,LYS_59,10.43,-0.08,0,0.02
1U3Y,ASP_277,2.78,-1.65,-0.07,0.69
1W24,GLU_178,2.45,0.3,-1.67,-0.68
3G9B,TYR_27,13.58,0.74,0.63,2.21
3LPZ,GLU_23,4.11,0.3,-0.45,-0.24
3RKV,LYS_278,10.4,-0.2,0,0.1
1XTZ,TYR_170,10.16,0,0,0.16
3LJN,LYS_165,11.47,-0.47,0.85,0.59
1V6T,LYS_47,10.36,-0.55,0,0.41
2OBI,GLU_50,4.03,0.38,-0.85,0
2F19,ARG_61,12.62,-0.45,0,0.57

2XHC,GLU_15,3.36,1.44,-2.28,-0.29
1FQI,LYS_308,10.32,-0.35,0,0.16
1QQE,HIS_109,6.56,-0.17,0.04,0.2
3FNI,LYS_2,10.47,-0.03,0,0
1OST,GLU_115,4.98,0.15,0,0.33
1EV8,ARG_49,12.45,-0.28,0,0.23
3L7N,HIS_4,4.61,-1.96,0,0.07
3KB5,ARG_356,13.45,-0.85,0.42,1.38
1LZL,TYR_134,11.44,0.021,1.23
2EFK,LYS_51,10.35,-0.12,0,-0.02
3LE4,GLU_323,4.46,0.09,0,-0.13
3Q6L,GLU_130,3.45,0.32,-0.7,-0.67
2IXM,GLU_90,4.04,0.4,-0.5,-0.37
3K9J,LYS_62,10.38,-0.14,0,0.02
2HP7,LYS_46,10.32,-0.14,0,-0.04
1JKS,GLU_237,5.05,0.27,0,0.28
1UCH,ARG_5,11.34,-1.17,0,0.01
2QZQ,HIS_169,5.88,-0.52,0,-0.09
1ZKZ,LYS_87,10.35,-0.15,0,0
3H13,ASP_441,3.97,0,-0.21,0.38
3V7S,ARG_169,12.41,-0.19,0,0.1
2YLF,LYS_189,10.38,-0.13,0,0.01
1NAR,ARG_74,12.34,-0.26,0,0.1
3ILC,HIS_113,6.61,-0.28,0.47,-0.08
2V1L,ARG_100,12.66,-0.13,0,0.29
1XKR,ASP_134,4.04,0.05,0.19
3M70,GLU_269,4.58,0.08,0,0
3EAZ,GLU_143,4.84,0.12,0,0.22
2BLL,HIS_618,5.75,-0.67,0,-0.09
3M70,LYS_95,10.15,-0.37,0,0.02
1S7K,GLU_160,4.74,0.54,0,-0.3
3PM2,GLU_127,2.95,0.93,-2.05,-0.44
1Q2Y,LYS_115,10.27,-0.21,0,-0.02
2V4U,ARG_532,12.32,-0.26,0,0.08
3HVQ,GLU_135,3.69,1.03,-0.88,-0.96
1VJG,GLU_109,4.5,0,0,0
2CXA,GLU_118,4.51,0.26,0,-0.26
2ZTY,LYS_12,10.41,-0.07,0,-0.02
2R1S,ASP_180,4.31,0,-0.03,0.54
2B61,ARG_79,12.75,-0.34,0.02,0.56
4DBX,LYS_156,11.45,-0.52,0.43,1.04
2GKG,ARG_93,12.38,-0.4,0,0.29
2CXA,HIS_180,6.69,-0.36,0.41,0.14
4DVD,GLU_74,4.72,0.39,0,-0.17
2E3C,ARG_426,11.62,-1.18,0,0.31
2Q5X,ASP_813,1.78,-2.11,-0.32,0.42
2GEN,ARG_129,12.95,-0.44,0.57,0.32
3GS3,LYS_51,10.57,-0.28,0.35
3U2A,CYS_55,11.12,0.0,11.2
4FZR,HIS_0,6.09,-0.18,0,-0.23
1QQE,GLU_34,4.88,0.31,-0.02,0.1
4H4J,ASP_100,2.16,-1.48,-0.63,0.47
2OQG,GLU_399,4.68,0.23,0,-0.06
4FCU,ARG_53,12.49,-0.28,0,0.27
3H6Q,HIS_114,6.87,-0.32,0.49,0.19
3GV0,ASP_300,3.53,-0.58,-0.44,0.75
3GE9,ASP_123,2.18,-1.47,-0.6,0.45
1GSZ,LYS_48,10.71,-0.19,0,0.4
3LJL,ARG_31,13.49,-0.36,0.58,0.77
3M3PHIS_108,6,-0.35,0,-0.14
1U53,ARG_23,9.27,-3.36,0,0.14
3C2E,HIS_295,6.2,-0.08,0,-0.21
2Q13,TYR_190,10.04,0,-0.19,0.22
1BN6,ARG_157,12.38,-0.39,0,0.27
2VCS,CYS_47,9.16,-0.39,-0.05,0.6
1XTZ,ARG_158,13.19,-0.44,0.43,0.69
2YXO,ASP_326,3.17,-0.88,-0.3,0.55
3G6S,TYR_13,10.43,-0.17,0.15,0.45
2HRZ,LYS_30,10.47,-0.11,0,0.07

1NFN,ARG_134,13.11,-0.57,0.39,0.8
1ILW,ARG_173,12.28,-0.28,0,0.07
3BWT,LYS_583,10.15,-0.4,0,0.04
3G9G,LYS_162,10.45,-0.05,0,0
2GWQ,LYS_92,10.59,-0.13,0,0.22
3IVF,ASP_261,3.63,-0.34,-0.13,0.31
1AK1,GLU_19,4.73,0.3,0,-0.08
2BV9,TYR_87,12.98,-0.85,0.43,3.39
4DNU,GLU_43,3.81,0.19,-0.67,-0.21
2C13,HIS_46,4.46,-2.17,0.12,0
4EVF,GLU_49,4.91,0.23,0,0.17
2VGM,LYS_84,10.42,-0.33,0,0.25
2ZCO,ARG_181,12.76,-0.85,0.06,1.05
2JEO,ARG_172,12.8,-1.06,0.64,0.71
3FXH,LYS_48,10.61,-0.26,0,0.38
1PSW,LYS_79,11.11,-0.32,0.24,0.69
1BN6,ARG_50,11.86,-1.34,-0.73,0.77,0.61
3A7L,GLU_61,4.78,0.27,0,0.01
1TR9,GLU_104,4.62,3.61,-3.14,-0.35
2Z84,ASP_25,3.97,0,0,0.17
3H9W,GLU_81,4.68,0.27,0,-0.09
2NRK,GLU_80,3.8,0.3,-0.82,-0.18
3M7G,ARG_231,13.31,-1.46,1.41,0.86
3GS9,GLU_292,4.44,0.49,-0.37,-0.18
3TRE,ASP_18,3.87,0,-0.06,0.12
3HUE,GLU_308,3.78,0.23,-0.57,-0.38
3PZ9,ASP_362,1.88,-2.28,-0.56,0.93
3CZC,LYS_45,11.27,-0.36,0.85,0.27
3RFF,ARG_50,11.86,-1.09,0,0.45
1QYI,HIS_160,6.28,-0.2,0,-0.03
3M7D,GLU_13,4.66,0.16,0,0
1PSW,HIS_74,5.62,-0.42,0.17,-0.63
2J8A,HIS_340,6.37,-0.1,0,-0.04
1ZP2,LYS_198,10.31,-0.21,0,0.01
3P51,TYR_162,13.14,-0.26,2.02
1MIX,LYS_334,10.54,-0.2,0,0.24
4F8A,ARG_583,12.29,-0.21,0,0
3DB9,ASP_72,4.03,0,0.04,0.18
3M66,GLU_256,4.63,0.12,0,0.01
3QAV,GLU_70,4.54,0.25,0,-0.22
2RJD,LYS_216,10.3,-0.23,0,0.03
2V4U,GLU_513,6.04,3.63,-2.01,-0.08
3H6Q,GLU_100,4.19,0.27,-0.4,-0.19
2QOP,ASP_186,2.79,-0.94,-0.59,0.51
2IRM,LYS_35,10.49,-0.22,0,0.21
3RLE,GLU_117,3.58,0.27,-0.85,-0.35
1J85,LYS_81,10.34,-0.16,0,0
3CAX,ARG_253,12.82,-0.69,0.58,0.43
2GZR,LYS_109,10.69,-0.29,0,0.48
2OBI,ASP_6,2.56,-1.11,-0.64,0.51
3EGN,ARG_392,12.45,-0.11,0,0.07
3CRM,LYS_317,10.4,-0.11,0,0.01
3TIR,GLU_176,4.19,0.56,0,-0.16
1TR9,GLU_88,4.59,0.09,0,0
3CX2,GLU_223,4.14,0.48,-0.27,-0.58
2ZQ5,ASP_147,4.37,0,-0.06,0.63
2AZL,ARG_150,12.71,-0.24,0,0.44
2G9D,ARG_261,12.74,-0.47,0,0.7
1KCM,TYR_141,10.43,-0.7,0.18,0.96
2CXA,HIS_130,2.94,-3.18,0,-0.38
2DG7,ASP_163,3.97,0,-0.17,0.34
2FPN,LYS_71,10.53,-0.06,0,0.09
1EQ6,TYR_199,13.02,-0.02,0.58,2.46
3CNU,GLU_40,5.17,0.84,0,-0.16
3GT0,LYS_142,11.69,-0.26,0.72,0.72
4ANN,ASP_75,4.13,-0.29,0.11,0.5
2Q99,TYR_119,13.18,0.63,0.44,2.11
3RAZ,ASP_86,3.91,0,-0.04,0.15
1MTZ,ARG_206,12.28,-0.3,0,0.08

2E3C,ARG_314,12.46,-0.07,0,0.02
 2EVI,LYS_157,9.91,-0.46,0,-0.13
 1UAJ,HIS_46,6.49,-0.17,0,0.15
 2FD5,ASP_74,3.26,-0.81,-0.04,0.31
 1YJH,GLU_140,4.78,0.16,0,0.12
 2B2H,TYR_92,13.63,-0.85,0,4.48
 3I4T,CYS_119,10.46,-0.24,0,1.7
 3F53,ASP_34,3.92,0,0,1.2
 2OB5,ASP_24,4.22,-0.19,-0.06,0.67
 1CBY,GLU_106,4.15,0.29,-0.63,-0.01
 2D59,ASP_76,2.91,-0.67,-0.57,0.34
 3LPZ,ARG_107,13.67,-1.29,1.6,0.87
 1J33,HIS_56,3.84,-3.11,0,0.45
 2AHE,LYS_130,10.36,-0.14,0,0
 2V81,HIS_90,6.19,-0.36,0,0.05
 2CL3,TYR_191,11,-0.33,-0.36,1.69
 3RFY,ASP_255,3.33,-0.44,-0.38,0.36
 3L3P,HIS_461,4.7,-1.86,0.17,-0.11
 2EJX,TYR_111,10.37,0,0,0.37
 2FZ4,ARG_221,8.86,-2.75,0,-0.88
 3H5T,ASP_130,3.6,-0.43,-0.03,0.27
 1NIJ,ASP_85,2.54,-1.35,0,4.0,49
 4FH3,LYS_133,10.4,-0.09,0,-0.01
 4F3J,TYR_160,9.9,0,-0.39,0.29
 2RH3,GLU_176,4.61,0.31,0,-0.2
 1V6T,CYS_35,12.13,-0.54,0,3.66
 3AUF,GLU_164,3.88,0.36,-0.53,-0.45
 1WXF,LYS_14,10.43,-0.3,0,0.24
 3IVF,ASP_55,2.9,-0.8,-0.55,0.43
 3CXS,LYS_73,10.41,-0.09,0,0
 2CIU,ASP_121,3.25,-0.82,0,0.27
 2GZQ,TYR_171,10.68,0,0.31,0.38
 4EUG,ARG_116,12.46,-0.26,0,0.22
 3RJZ,ARG_126,13.43,-0.64,0.31,1.27
 3HZQ,LYS_62,10.27,-0.23,0,0
 2BDD,GLU_92,5.2,0.78,0,-0.07
 3V3T,ASP_39,3.34,-1.29,-0.12,0.95
 1RKA,GLU_93,4.06,0.32,-0.66,-0.1
 2P0Y,GLU_235,5.65,1.42,-0.3,0.03
 1X04,GLU_159,4.13,0.31,-0.42,-0.27
 3ONH,CYS_442,9.64,0,-0.44,1.08
 2W0G,ARG_270,13.27,-0.42,0.8,0.4
 3KT9,GLU_101,4.7,0.25,0,-0.04
 3PBH,LYS_86,9.53,-0.45,0,-0.52
 2E0T,GLU_64,4.1,0.58,-0.85,-0.13
 2FPN,CYS_130,9.24,0,-0.05,0.29
 2X4J,ASP_52,3.58,-0.29,-0.16,0.23
 1SIG,HIS_338,8.15,-0.39,1.48,0.56
 3CCY,ARG_47,13.27,-0.25,0.34,0.67
 1O3X,ARG_258,12.34,-0.23,0,0.07
 1YTQ,TYR_136,12.62,0,0.36,2.26
 1GXN,GLU_396,6.79,4.25,-1.96,-0.01
 1V8E,TYR_69,12.03,0,0.4,1.63
 1MML,ASP_28,3.81,0,-0.33,0.34
 3JZ9,ARG_506,12.32,-0.2,0,0.02
 2JKF,LYS_50,11.31,-0.94,0.85,0.9
 4ETX,ASP_182,3.07,-0.85,-0.4,0.51
 1J85,GLU_56,5.4,1.18,0,-0.27
 1ZBM,TYR_60,11.27,-0.31,-0.16,1.74
 3GA2,GLU_74,3.12,1.1,-2.48,0
 3HVM,HIS_167,6.14,-0.36,0,0
 1NFN,ARG_147,13.69,-0.45,0.85,0.78
 1GVP,TYR_61,10.92,-0.08,0,1.091
 1O6D,ASP_83,4.02,0,-0.04,0.26
 3HVM,GLU_174,3.25,0.73,-1.57,-0.41
 1PNE,ASP_8,4.09,-0.02,0,0.31
 1OLR,ASP_172,3.25,-0.83,-0.24,0.52
 3M66,GLU_396,4.16,0.34,-0.82,0.14
 2R51,GLU_175,5.32,0.6,0,0.22
 2QV2,ASP_324,3.83,-0.32,-0.07,0.42
 3N2T,ASP_93,3.4,-0.96,0,0.56
 3EAZ,ARG_94,12.41,-0.09,0,0
 4DBX,ARG_2,12.84,-0.16,0.17,0.32
 4D8L,LYS_196,10.48,-0.2,0,0.18
 1ILW,ARG_116,12.16,-0.34,0,0
 1EDG,ASP_290,3.44,-0.62,-0.75,1.01
 2YXO,ARG_119,11.61,-0.9,0,0
 3VJ8,LYS_117,10.46,-0.14,0,0.1
 1V8E,ARG_215,12.79,-0.25,0.23,0.31
 2D59,TYR_50,12.52,0,0.11,2.41
 2RFA,ASP_90,3.74,-0.82,0.02,0.74
 1NWA,LYS_81,10.46,-0.08,0,0.03
 2VAN,TYR_271,10.44,0,0.12,0.32
 2NRK,TYR_149,12.33,0,0.34,1.99
 1YM5,GLU_35,5.05,0.25,0,0.3
 3LJN,ASP_237,3.46,-1.18,-0.38,1.23
 1HUF,ARG_28,12.45,-0.05,0,0
 2G7O,ARG_110,13.95,-0.29,1.18,0.56
 2AZL,GLU_94,4.17,0.38,-0.45,-0.25
 2X4J,LYS_64,10.37,-0.13,0,0
 1L2F,LYS_81,10.41,-0.27,0,0.18
 2RGY,TYR_301,13.46,-0.01,-0.52,4
 1JKS,ASP_88,3.31,-1.44,-0.56,1.51
 1ZCU,HIS_87,6.35,-2.2,1.35,0.7
 1M5I,ASP_156,4.0,-0.07,0.28
 3IVF,LYS_263,10.54,-0.13,0,0.16
 1ES9,ARG_206,12.42,-0.22,0,0.14
 3I8Z,ARG_8,12.02,-0.51,0,0.02
 1AM2,HIS_143,6.54,-0.41,0.22,0.23
 2FG1,LYS_42,10.43,-0.58,0.12,0.39
 3T57,GLU_91,4.67,0.18,0,-0.01
 4ECC,LYS_91,10.53,-0.15,0,0.19
 3LPZ,LYS_112,10.53,-0.22,0,0.25
 3U4K,LYS_137,9.93,-0.63,0,0.06
 1SIG,LYS_324,10.35,-0.15,0,0
 2EFK,GLU_189,4.89,0.2,0.03,0.15
 3VJ8,ASP_194,2.95,-0.84,-0.38,0.37
 2QK1,LYS_361,10.3,-0.29,0,0.09
 4D8L,ASP_207,2.42,-2.08,-0.61,1.3
 2V4U,GLU_347,3.46,0.35,-0.85,-0.54
 3M3P,HIS_176,11.22,-2.85,2.45,5.12
 2OJQ,LYS_621,10.51,-0.13,0,0.14
 2I6I,ASP_69,3.99,-0.08,-0.23,0.5
 2I88,HIS_427,5.49,-1.21,0.43,-0.23
 3JRT,LYS_100,9.9,-0.2,0,-0.4
 1D7O,GLU_149,4.78,0.31,0,-0.04
 2OYZ,GLU_5,4.59,0.11,0,-0.02
 3EGN,GLU_417,4.61,0.11,0,0
 2YLF,ARG_188,12.38,-0.12,0,0
 2IDC,LYS_71,10.37,-0.36,0,0.23
 1O5J,GLU_16,3.27,0.33,-0.68,-0.89
 2E0T,ASP_184,2.76,-0.85,-0.62,0.42
 1GVP,ASP_50,2.8,-0.99,-0.55,0.54
 1MIX,LYS_272,10.42,-0.08,0,0
 2EDM,ARG_57,12.34,-0.16,0,0
 1V43,ASP_117,3.89,-0.13,0.05,0.17
 2OKT,TYR_108,11.18,0,-0.04,1.22
 2ZCX,ASP_144,3.91,0,-0.18,0.29
 2B3M,ARG_117,12.03,-0.55,0,0.08
 3M7O,CYS_232,9.18,-0.84,0,1.02
 1TJE,ASP_161,2.44,-1.42,-0.46,0.53
 1UAJ,GLU_120,4.79,0.23,0,0.06
 2R57,CYS_333,12.43,-0.06,0.6,2.89
 3GW3,TYR_133,12.47,0,0.11,2.36
 1UOH,HIS_52,5.91,-0.79,0.27,-0.08
 2B61,TYR_313,11.72,0.85,0.4,0.47
 3IUS,TYR_84,12.17,0.49,1.68
 3F6F,GLU_136,4.87,0.38,0,-0.01
 3V3T,ASP_221,3.14,-1.03,0,0.38
 1D7O,TYR_115,11.23,0,0.09,1.14
 3Q6L,ASP_99,3.84,-0.01,-0.18,0.24
 1O0X,LYS_19,10.94,-0.4,0.38,0.46
 1O9G,LYS_218,9.68,-0.34,0,-0.48
 3ZSL,LYS_139,10.66,-0.2,0,0.36
 1FHL,ASP_318,3.12,-1.36,0,0.68
 3ANJ,LYS_8,10.55,-0.13,0,0.18
 2CW4,ARG_111,12.27,-0.25,0,0.02
 1X04,GLU_219,4.55,0.23,0,-0.18
 1MIX,CYS_236,11.12,0,-0.17,2.29
 1DCF,HIS_51,4.8,-1.59,0.3,-0.41
 2B78,GLU_346,3.19,0.95,-1.7,-0.57
 2PGX,ASP_221,4.03,0,-0.2,0.42
 3GOZ,ASP_120,4.43,0,0,0.63
 1T6L,HIS_248,6.74,-0.09,0.28,0.05
 2D59,GLU_92,5.23,0.71,0,0.01
 1SUU,LYS_519,9.87,-0.71,0,0.09
 1YTD,ARG_335,13.2,-0.38,0.66,0.43
 2IXM,TYR_68,11.47,0,0,1.47
 3TOW,GLU_157,4.11,0.18,-0.34,-0.23
 4ACJ,LYS_695,10.43,-0.27,0,0.2
 2A1V,HIS_140,6.56,-0.16,0,0.22
 2P65,GLU_135,4.61,0.11,0,0
 3ERF,ARG_156,12.99,-0.37,0.32,0.54
 3K1H,ARG_80,12.67,-0.23,0,0.4
 1TR9,ASP_284,4.03,0,-0.1,0.33
 2EJX,ASP_68,3.96,0,-0.18,0.34
 2RJD,ARG_374,12.25,-1.76,0,1.51
 2XHC,ARG_229,12.41,-0.23,0,0.14
 1RAJ,GLU_76,4.96,0.46,0,-0.01
 3T5B,GLU_23,5.7,2.56,-1.55,0.19
 3ON1,HIS_79,6.37,-0.1,0,-0.02
 1U3Y,LYS_275,10.99,-0.19,0.31,0.37
 2FG1,GLU_71,3.9,0.37,-0.77,-0.2
 2BLL,GLU_374,4.68,0.09,0,0.09
 1HF8,GLU_249,4.44,0.24,0,-0.3
 2RFA,TYR_154,11.12,0.46,0.66
 3B79,ARG_56,12.45,-0.15,0,0.11
 2DVK,ARG_111,12.27,-0.33,0,0.1
 1BYI,HIS_184,7.59,-0.56,0.85,0.81
 3S0A,GLU_48,4.22,1.24,-0.61,-0.92
 3UX2,GLU_137,3.85,0.2,-0.85,0
 2P52,TYR_199,10.27,0,0.12,0.15
 2YWK,GLU_7,3.34,0.28,-0.82,-0.62
 3FFM,GLU_66,4.57,0.07,0,0
 3BQE,TYR_296,10.39,0,-0.22,0.62
 1N81,GLU_134,6.06,1.74,0,-0.18
 3UC9,HIS_157,6.79,-0.23,0.48,0.03
 2QDJ,TYR_155,12.06,-0.85,0.22,2.69
 1Q46,GLU_78,4.57,0.11,0,-0.04
 3V55,ASP_662,4,-0.05,-0.03,0.28
 2PLQ,ARG_24,12.32,-0.34,0,0.16
 2OB5,ASP_100,3.09,-1.27,0,0.55
 2B02,TYR_386,10.33,-0.1,-0.42,0.85
 4E9E,GLU_552,3.23,0.8,-1.68,-0.4
 3UV9,ARG_484,13.24,-1.83,1.51,1.06
 1I60,TYR_54,12.25,0.54,1.7
 2Y2T,ASP_74,3.99,0,0.08,0.11
 1AKO,ARG_224,13.02,-0.36,0.5,0.38
 3RFY,TYR_229,10.66,0.13,0.53
 2RIS,CYS_165,10.36,-2.48,0.75,3.07
 3BB7,ASP_58,4.08,0,0,0.28
 1O17,GLU_159,4.82,0.3,0,0.01
 2O8I,ASP_90,3.28,-0.58,-0.19,0.25
 3K9I,GLU_137,3.93,0.54,-0.55,-0.55
 4H4J,LYS_35,11.33,-0.48,0.83,0.48
 3EJC,ASP_20,4.09,0,-0.02,0.31
 2APL,HIS_11,6.02,-0.62,0,0.14
 1WLJ,HIS_141,5.97,-1.74,0.85,0.38
 3V75,ARG_268,12.26,-0.49,0,0.25
 1SQW,LYS_115,10.04,-0.44,0,-0.02
 3CIV,ASP_211,3.98,-0.01,-0.06,0.25
 1IDK,TYR_215,11.75,0.24,0.23,1.28
 1NIJ,GLU_230,3.88,1.57,-1.45,-0.73
 1NKD,ASP_31,3.72,-0.2,0,0.13
 2B0A,GLU_104,4.67,0.23,0,-0.06
 1R16,TYR_65,11.98,0,-0.02,2
 2POL,TYR_136,10.23,0,0.05,0.19
 2FBI,GLU_50,3.64,0.94,-1.58,-0.22
 3RLE,GLU_81,3.86,0.28,-0.54,-0.38
 3ADO,TYR_152,12.53,0.96,1.56
 1MTZ,LYS_30,11.09,-1.12,0.85,0.85
 1X7F,GLU_234,4.09,2.2,-2.3,-0.31
 3QAV,TYR_19,11.44,0.06,0.45,0.93
 3CS1,LYS_197,10.27,-0.98,0.74
 1UW7,ASP_25,3.55,-0.38,-0.06,0.19
 4EVF,LYS_3,10.42,-0.08,0,0
 2CBE,TYR_114,11.12,0,0.02,1.1
 1BKB,ARG_136,12.58,-0.15,0,0.23
 1ATO,ARG_304,12.18,-0.32,0,0
 3DZ1,ASP_244,4.02,0,-0.17,0.4
 3G9G,TYR_213,10.27,-1.03,-0.02,1.32
 1ZBM,ASP_235,3.98,0,0,0.18
 2VGM,TYR_196,12.28,0.13,0.55,1.61
 3BJV,TYR_57,11.44,-0.56,0.01,1.99
 3LJN,ASP_201,3.13,-0.65,-0.43,0.4
 2Z0M,ASP_118,3.26,-0.34,-0.75,0.55
 2Q98,TYR_168,12.47,0.33,2.14
 2YWK,ARG_20,13.31,-0.33,0.6,0.53
 3BQE,ASP_257,3.59,-0.79,0.01,0.58
 1E55,TYR_206,11.19,-0.4,-0.44,2.04
 1R53,HIS_338,6.45,-0.36,0.02,0.29
 3ETU,LYS_89,10.36,-0.09,0,-0.05
 1O5T,CYS_274,7.99,-1.41,-0.13,0.53
 3RLN,LYS_597,11,-0.25,0,0.74
 4E8B,ARG_33,12.21,-0.24,0,-0.04
 3GFP,ASP_458,4.01,0,-0.1,0.3
 3ETU,CYS_245,9,-0.28,0,0.28
 2O0K,GLU_326,4.77,0.19,0,0.08
 2D8N,ARG_71,10.69,-2.1,0,0.29
 1V43,ASP_174,3.27,-0.95,0,0.42
 2OKT,HIS_58,6.8,-0.37,0,0.67
 1OLR,ARG_159,12.98,-0.77,0.27,0.97
 3O48,TYR_14,11.82,0.06,4,1.18
 2QRX,GLU_40,4.61,0.22,-0.02,-0.09
 2A4D,ASP_175,3.06,-0.9,-0.38,0.54
 3G9B,LYS_99,10.41,-0.11,0,0.01
 2Z0M,ARG_66,12.36,-0.2,0,0.06
 4AM1,LYS_43,10.49,-0.25,0,0.23
 3RAZ,LYS_65,10.59,-0.09,0,0.18
 3E27,TYR_367,10.34,-0.64,0,0.99
 3HKX,HIS_219,6.51,-3.49,1.68,1.82
 3B21,TYR_76,11.49,0.35,0.47,0.66
 4F8A,ARG_573,12.19,-0.33,0,0.02
 1ILW,LYS_171,10.31,-0.14,0,-0.04
 2A4D,GLU_112,4.15,0.43,-0.27,-0.53
 1ZYL,TYR_42,10.59,-0.03,-0.52,1.15
 1RHS,ARG_20,12.39,-0.28,0,0.17
 1T3J,LYS_731,10.43,-0.07,0,0
 2BQQ,GLU_137,4.54,0.09,0,-0.06
 3E7P,TYR_241,12.7,0,0.47,2.24
 2EEY,LYS_108,10.17,-0.35,0,0.03
 3EOD,ARG_74,11.5,-1.19,0,0.19
 2R51,TYR_270,12.23,-1.65,0.24,3.63
 1X7F,TYR_129,13.94,0.85,0.66,2.43
 3DZ1,ASP_26,4.52,0,-0.15,0.88
 3E0H,ARG_86,12.08,-0.48,0,0.06

3P28, TYR_97, 13.59, 0.0, 0.32, 3.28
3P29, ARG_63, 12.4, -0.19, 0.0, 0.08
3EOD, GLU_118, 4.4, 0.23, -0.06, -0.26
1YM5, ARG_213, 12.79, -2.28, 1.14, 1.44
3FHF, ARG_98, 11.99, -0.51, 0.0
3UAH, LYS_260, 11.46, -0.27, 0.85, 0.38
1C3K, LYS_51, 10.44, -0.06, 0.0
1YR6, LYS_87, 11.48, -0.57, 0.85, 0.69
3ONH, GLU_526, 4.4, 0.53, -0.3, -0.35
3M7D, GLU_194, 3.83, 0.26, -0.56, -0.37
3PP8, GLU_131, 4.84, 0.29, 0.0, 0.06
2F4Q, ARG_15, 11.68, -0.83, 0.0, 0.01
1ZBS, CYS_106, 11.49, 0.0, 3.2, 2.2
1RL0, GLU_125, 4.36, 1.66, -1.42, -0.37
3S0A, GLU_39, 4.73, 0.29, 0.0, -0.06
3BPP, GLU_54, 5.49, 1.87, -0.79, -0.08
4FH3, CYS_48, 12.45, -0.04, 0.01, 3.49
1T3J, LYS_713, 10.3, -0.2, 0.0
2EJB, HIS_157, 6.39, -0.26, 0.0, 1.5
4E9E, LYS_562, 9.88, -0.52, 0.0, -0.1
3U0V, LYS_222, 9.92, -0.63, 0.0, 0.05
3GW3, ARG_37, 12.21, -1.23, 0.0, 0.95
2H30, TYR_118, 10.4, 0.0, 0.09, 0.31
1A8Q, GLU_10, 4.71, 0.21, 0.0
3ODJ, TYR_40, 11.64, 0.0, 3.5, 1.3
2R51, HIS_111, 6.37, -0.13, 0.0, 0.01
2D7J, GLU_113, 4.27, 1.02, -0.9, -0.36
3TIR, ARG_125, 11.63, -1.28, 0.0, 4.1
3UX2, ASP_135, 3.09, -1.12, 0.0, 0.42
1R29, ASP_29, 2.46, -1.38, -0.43, 0.48
2BT8, ARG_321, 12.49, -0.16, 0.0, 1.4
1T6L, CYS_117, 9.48, 0.0, -0.05, 0.53
4FZR, ARG_198, 12.42, -0.15, 0.0, 0.07
4DVD, ARG_82, 12.76, -0.27, 0.21, 0.32
3FWU, CYS_88, 10.88, 0.0, 0.03, 1.85
1T3J, ASP_685, 3.67, -0.38, 0.0, 0.25
3QKY, ARG_160, 11.65, -0.94, 0.0, 0.08
2ZCO, HIS_148, 6.53, -0.18, 0.0, 0.21
3MIX, ARG_367, 12.33, -0.65, 0.0, 0.48
1P2F, LYS_193, 9.81, -0.26, 0.0, -0.42
3EYE, ASP_44, 4.08, -0.02, 0.11, 0.18
3CZC, ARG_27, 12.88, -0.37, 0.41, 0.35
3HUE, TYR_112, 10.51, 0.0, -0.08, 0.59
1FKM, ASP_403, 3.95, 0.0, -0.16, 0.31
2E3H, CYS_265, 10.71, 0.0, 2.1, 1.51
1XEU, LYS_100, 10.52, -0.21, 0.0, 0.23
1SUU, GLU_628, 5.39, -0.27, 0.0, 0.29
3FWU, ASP_36, 3.21, -0.51, -0.28, 0.2
3EVN, LYS_5, 10.46, -0.07, 0.0, 0.04
3BPV, ARG_70, 12.1, -0.35, 0.0, -0.04
3VHJ, GLU_152, 3.9, 0.39, -0.8, -0.19
1PSW, ARG_70, 12.3, -0.2, 0.0
1V6T, TYR_86, 10.55, 0.0, 2.7, 0.28
1JB3, ASP_75, 3.75, -0.24, -0.55, 0.73
1MUF, GLU_142, 4.19, 0.3, -0.2, -0.41
2OBI, HIS_25, 7.21, -0.32, 0.79, 0.25
2Z84, ARG_93, 12.28, -0.3, 0.0, 0.08
3KB5, CYS_313, 10.69, -0.47, 0.28, 1.87
3GOZ, HIS_226, 6.39, -0.87, 0.76, 0
3NBI, GLU_28, 4.73, 0.24, 0.0, -0.01
2D0A, LYS_307, 10.46, -0.23, 0.0, 1.88
2G2D, GLU_83, 4.6, 0.1, 0.0
1AD6, CYS_407, 10.64, -0.24, 0.1, 8.8
1J8B, CYS_52, 9.6, -0.01, -0.02, 0.63
1EVH, TYR_4, 13.36, -0.01, 0.16, 3.21
1XIP, GLU_7, 5.15, 0.33, 0.0, 0.32
1DUN, TYR_75, 10.44, 0.0, 0.04, 0.4
1NKD, ASP_38, 4.14, 0.0, 1.1, 0.23
1MTZ, ASP_277, 3.92, -0.5, 0.0, 0.62
1P1L, LYS_45, 11.1, -0.45, 0.67, 0.38
1MML, ARG_80, 12.05, -0.54, 0.0, 0.08
1TUL, HIS_43, 5.57, -0.98, 0.44, -0.39
3JSN, GLU_21, 4.9, 0.36, 0.0, 0.03
2D0A, ARG_141, 12.29, -0.28, 0.0, 0.06
1P4X, LYS_24, 10.24, -0.17, 0.0, -0.09
1UAJ, GLU_142, 4.31, 2.6, -2.21, -0.59
2OGQ, ASP_438, 1.77, -2.59, -0.54, 1.11
1CHD, ASP_249, 2.63, -0.85, -0.62, 0.31
3JZN, ARG_264, 11.96, -1.32, 0.07, 0.7
3US6, ASP_51, 3.96, 0.0, -0.13, 0.3
2BCF, ARG_250, 12.35, -0.81, 0.19, 0.47
1X1E, HIS_115, 5.86, -0.68, 0.0, 0.04
3GT0, LYS_112, 10.47, -0.05, 0.0, 0.02
1YLN, HIS_154, 5.98, -0.36, 0.0, -0.16
2Z0W, TYR_39, 10.14, 0.0, 0.0, 1.4
2CIU, LYS_139, 10.55, -0.17, 0.0, 0.22
3FK5, GLU_141, 3.74, 0.37, -0.79, -0.35
4GA2, GLU_88, 4.14, 0.41, -0.29, -0.49
1LTU, ARG_58, 12.37, -0.48, 0.0, 3.5
1PVT, HIS_104, 4.84, -3.1, 0.7, 0.74
2D0A, ASP_136, 2.94, -0.75, -0.8, 0.69
2XJ4, ARG_167, 11.44, -1.2, 0.0, 1.4
1X9G, GLU_46, 3.36, 0.93, -1.3, -0.77
1PSW, ARG_22, 11.92, -0.79, 0.0, 2
3A4C, LYS_537, 10.15, -0.33, 0.0, -0.01
3TMO, HIS_315, 6.26, -0.27, 0.0, 0.03
3ZTA, LYS_67, 10.44, -0.24, 0.0, 1.8
1RKA, GLU_236, 4.61, 0.11, 0.0
3M7G, GLU_259, 4.89, 0.2, 0.0, 1.9
3I4T, ASP_210, 3.88, -0.51, 0.22, 0.37
3U2R, ARG_141, 13.88, -0.26, 1.25, 0.39
3V1Q, LYS_614, 10.41, -0.12, 0.0, 0.03
1RZ2, ASP_156, 3.31, -0.83, -0.01, 0.34
3EX9, CYS_145, 9.36, 0.0, -0.09, 0.45
3ETV, CYS_257, 6.5, -2.93, 0.03, 0.39
1YTD, ARG_262, 12.9, -0.81, 0.64, 0.56
2JEQ, LYS_69, 10.37, -0.44, 0.0, 3.1
2D59, TYR_68, 10.35, 0.0, -0.24, 0.58
3H8Y, GLU_22, 4.87, 0.28, 0.0, 0.09
3BPP, LYS_200, 10.12, -0.35, 0.0, -0.03
2RFA, GLU_177, 4.49, 0.29, -0.05, -0.26
3V3T, LYS_260, 10.37, -0.53, 0.0, 4
3ULX, ARG_19, 12.05, -0.21, 0.0, -0.24
1MML, ARG_187, 11.27, -1.29, 0.0, 0.16
1YTD, LYS_218, 12.14, -0.45, 1.31, 0.77
3UAH, ASP_275, 3.93, 0.0, 0.13
2CN1, GLU_276, 4.74, 0.23, -0.36, 0.37
1DOV, ASP_96, 3.78, -0.05, -0.29, 0.32
3CAX, ARG_156, 12.46, -0.24, 0.0, 1.9
3EVN, CYS_117, 9.45, -0.12, 0.0, 0.57
4E8B, ASP_120, 3.36, -0.64, -0.1, 0.3
3ELI, HIS_98, 5.01, -1.14, 0.0, -0.34
1KN3, ASP_144, 3.67, -0.2, -0.15, 0.22
3VJ8, CYS_172, 12.34, -0.02, -0.42, 3.77
2FPN, LYS_59, 10.36, -0.14, 0.0
1EYH, GLU_90, 4.36, 0.18, 0.0, -0.32
2XJ4, ARG_202, 11.95, -0.68, 0.0, 1.2
3CSV, GLU_353, 6.95, 4.17, -2.1, 0.39
3ZRI, LYS_58, 10.43, -0.1, 0.0, 0.02
1O5T, GLU_121, 4.69, 0.3, 0.0, -0.11
3M7D, ASP_124, 2.58, -1.25, -0.5, 0.54
3F1X, HIS_167, 4.96, -1.41, 0.0, -0.13
2IDC, ARG_49, 12.62, -0.27, 0.0, 0.38
4ETX, ARG_205, 13.21, -0.73, 0.82, 0.63
1BYI, ASP_110, 3.04, -1.02, -0.28, 0.54
2QVT, HIS_85, 5.56, -0.75, 0.0, -0.18
1D2K, LYS_60, 10.39, -0.3, 0.0, 1.9
1Q42, ARG_116, 11.56, -2.78, 0.74, 1.1
2G3A, HIS_55, 5.51, -0.72, 0.0, -0.26
3LPZ, ARG_292, 12.41, -0.09, 0.0
1NJ4, TYR_312, 11.63, 0.74, 0.35, 0.54
3P2F, HIS_14, 6.23, -0.3, 0.0, 0.03
3EX9, ASP_57, 3.71, -0.35, 0.0, 0.26
3CGW, LYS_183, 10.38, -0.32, 0.0, 2
2NYC, ARG_294, 10.92, -1.61, 0.0, 0.04
3LH5, LYS_564, 10.36, -0.14, 0.0
1AD6, LYS_462, 10.15, -0.7, 0.0, 3.4
2G55, GLU_41, 4.72, 0.25, 0.0, -0.03
1TLV, ARG_203, 12.39, -0.13, 0.0, 0.02
3CJW, GLU_214, 4.67, 0.19, 0.0, -0.02
3BWT, HIS_639, 6.47, -0.39, 0.17, 0.2
2GAU, GLU_159, 3.86, 1.3, -1.31, -0.62
3JRT, TYR_55, 11.58, 0.0, 0.09, 1.49
3CJW, ARG_385, 12.59, -0.14, 0.0, 0.23
3BB7, TYR_120, 11.64, 0.22, 0.22, 1.2
2EEY, LYS_106, 10.25, -0.3, 0.0, 0.05
3FHF, ARG_84, 12.28, -0.22, 0.0
2A0J, ASP_90, 3.39, -0.31, -0.38, 0.28
3I82, ASP_118, 3.06, -0.85, -0.14, 0.25
3JZN, ASP_140, 3.22, -1.16, -0.9, 1.47
3CGW, ARG_60, 13.26, -0.83, 0.84, 0.75
2E3S, TYR_404, 10.59, 0.0, -1.0, 6.8
1RAJ, GLU_396, 3.99, 0.41, -0.44, -0.47
4EZB, ASP_220, 4.05, -0.75, -0.1, 1.1
3O7K, LYS_122, 10.5, -0.61, 0.0, 6
2DFL, HIS_186, 6.29, -0.28, 0.0, 0.07
1J7G, GLU_34, 4.07, 1.04, -0.85, -0.61
3GEC, ASP_238, 3.7, 0.0, -0.34, 0.24
3G9T, LYS_225, 10.48, -0.07, 0.0, 0.05
3GFP, LYS_382, 10.41, -0.15, 0.0, 0.06
3ETV, GLU_202, 4.22, 0.3, -0.36, -0.21
1CHD, CYS_207, 10.53, 0.0, -0.08, 1.61
3LD1, ARG_6, 12.3, -0.24, 0.0, 0.05
2Q98, ASP_17, 4.07, 0.0, 0.0, 2.7
3ASA, LYS_96, 10.58, -0.09, 0.0, 1.7
1WPA, GLU_449, 4.77, 0.43, 0.0, -0.16
2Q99, ASP_361, 4.37, 0.0, -0.37, 0.94
1IDK, HIS_232, 6.06, -1.56, 0.47, 0.64
3I00, LYS_179, 10.44, -0.12, 0.0, 0.06
2IDC, GLU_25, 4.37, 0.33, 0.0, -0.47
2X4L, GLU_340, 4.67, 0.19, 0.0, -0.02
2E3I, TYR_108, 9.93, -0.86, 0.0, 7.9
3Q2C, TYR_38, 10.5, -0.61, 0.54, 0.57
1NAR, LYS_106, 10.31, -0.36, 0.0, 1.7
2NXC, GLU_65, 4.58, 0.63, -0.6, 0.04
3TOW, HIS_106, 6.36, -0.25, 0.0, 1.1
2D59, ARG_5, 12.46, -0.04, 0.0
3RE9, GLU_118, 4.59, 0.09, 0.0
3B21, GLU_80, 5.14, 0.61, -0.02, 0.07
1BGF, LYS_88, 10.32, -0.09, 0.0, -0.09
2RJD, HIS_291, 4.48, -2.88, 0.85, 0.01
3OKQ, ASP_579, 4.15, 0.0, 1.0, 0.24
3JZN, TYR_308, 10.67, 0.0, 3.3, 0.35
2E3C, CYS_296, 11.1, 0.0, -0.07, 2.17
1XAW, ASP_426, 2.95, -0.78, -0.34, 0.26
2NRR, ARG_484, 12.36, -0.63, 0.0, 4.9
2E3C, GLU_261, 4.72, 0.44, 0.0, -0.23
2X4L, LYS_198, 10.59, -0.51, 0.0, 5.9
1Q42, ARG_48, 13.12, -0.57, 0.5, 0.69
1R3F, HIS_43, 5.49, -0.96, 0.0, -0.05
4E9E, TYR_509, 10.23, 0.0, 0.01, 0.22
1AT0, GLU_337, 3.18, 0.48, -1.79, 0
3DHN, ARG_36, 12.42, -0.15, 0.0, 0.07
3F53, ARG_83, 12.76, -0.3, 0.0, 5.5
2CXV, GLU_71, 4.56, 0.24, 0.0, -0.18
4H4J, TYR_41, 11.98, 0.04, 0.98, 0.96
3V4G, GLU_142, 3.82, 0.3, -0.49, -0.48
1O17, HIS_62, 6.96, -0.29, 0.7, 0.06
2XMZ, CYS_235, 10.56, 0.0, -0.15, 1.7
2DG7, CYS_173, 9.69, -0.18, -0.05, 0.93
3R2E, HIS_63, 6.56, -0.96, 0.84, 0.18
1M5I, GLU_136, 4.85, 0.22, 0.0, 1.3
2R57, CYS_376, 9.2, 0.0, 0.0, 2
4F85, ARG_268, 13.13, -1.75, 0.67, 1.71
3GS3, GLU_169, 4.55, 0.08, 0.0, -0.03
2PGE, ARG_72, 12.33, -0.35, 0.0, 1.8
2RJD, ASP_420, 3.95, 0.0, 0.0, 1.5
1XTZ, TYR_60, 11.89, 0.66, 0.22, 1.01
3CIV, LYS_111, 10.51, -0.12, 0.0, 1.3
2V4U, LYS_353, 10.97, -0.16, 0.0, 6.3
1Y2Q, GLU_107, 3.94, 0.32, -0.83, -0.05
3U0V, HIS_53, 6.15, -0.35, 0.0
3ODJ, LYS_131, 10.39, -0.11, 0.0
1JB3, HIS_32, 7.27, -0.34, 0.85, 0.25
2O8P, TYR_222, 11.21, 0.0, 1.5, 1.07
2BCF, TYR_233, 10.27, 0.0, -0.03, 0.3
2AZP, HIS_208, 5.9, -3.34, 0.85, 1.89
4EUG, CYS_200, 11.38, -0.87, 0.46, 2.79
1WNH, LYS_114, 10.47, -0.03, 0.0
2H85, TYR_88, 10.98, -0.36, -0.46, 1.8
2B0J, HIS_120, 7.13, -3.38, 2.23, 1.78
4FLE, ASP_138, 3.98, 0.0, 0.18
3PP8, GLU_79, 3.89, 0.37, -0.66, -0.32
2IQT, ARG_95, 11.81, -0.81, 0.0, 1.2
3AU3, LYS_586, 10.53, -0.46, 0.21, 0.29
1S17, ARG_188, 12.29, -0.2, 0.0, -0.02
1G5Z, ASP_105, 4.4, 0.0, -0.1, 0.7
4ANN, GLU_164, 4.44, 0.16, 0.0, -0.21
1AKO, ARG_78, 12.19, -0.59, 0.0, 3
1ZBS, ARG_226, 13.16, -0.23, 0.31, 0.59
1OGL, GLU_265, 4.58, 0.08, 0.0
3MIX, GLU_318, 4.34, 0.06, 0.0, -0.22
1IAP, ARG_137, 13.01, -0.17, 0.19, 0.49
2IDC, LYS_129, 10.46, -0.09, 0.0, 0.4
1DZF, ARG_55, 13.27, -1.72, 1.41, 1.09
1WNH, CYS_144, 12.77, 0.0, 3.77
3GT0, GLU_106, 4.6, 0.47, -0.78, 0.41
2CXV, LYS_55, 10.65, -0.25, 0.0, 4
1JB3, GLU_126, 4.49, 0.15, 0.0, -0.17
3LJC, GLU_191, 4.79, 0.18, 0.0, 1.1
2ZQ5, ARG_72, 12.51, -3.23, 1.43, 1.81
4EVF, GLU_76, 4.68, 0.59, -0.47, 0.06
1R3F, ARG_81, 12.56, -0.43, 0.26, 0.22
2X4G, ASP_66, 3.66, -0.3, -0.17, 0.33
1TD6, GLU_226, 5.13, 0.85, -0.19, -0.03
1BKB, GLU_19, 4.73, 0.17, 0.0, 0.06
4DIU, LYS_86, 10.69, -0.24, 0.0, 4.2
3B4D, ASP_180, 1.73, -2.3, -0.53, 0.76
3KB5, TYR_427, 10.47, -0.74, 0.1, 2.1
2O8P, LYS_119, 10.49, -0.07, 0.0, 0.06
3GT0, GLU_145, 3.85, 0.29, -0.72, -0.22
2O0K, ASP_201, 4.22, -0.09, -0.25, 0.76
2YWX, LYS_151, 10.42, -0.08, 0.0
2B78, TYR_143, 12.93, 0.0, 1.1, 2.82
2EEY, TYR_129, 10.41, 0.0, 0.0, 4.1
1WP5, ARG_114, 12.44, -0.67, 0.09, 0.52
1JT9, GLU_122, 3.25, 2.32, -2.85, -0.73
2YX0, GLU_230, 3.55, 0.38, -0.85, -0.48
1T95, GLU_62, 4.76, 0.28, 0.0, -0.04
2YLF, TYR_217, 13.86, 0.1, 1.7, 2.71
3V3T, HIS_304, 10.45, -0.05, 0.0
3CJW, HIS_291, 6.45, -0.73, 0.53, 0.14
2WB8, GLU_461, 4.68, 0.25, 0.0, -0.07
2Q12, TYR_147, 10.15, 0.0, 0.0, 1.5
3M66, HIS_309, 6.26, -0.74, 0.18, 0.31
3CN5, LYS_64, 10.48, -0.17, 0.0, 1.5

1X1E,ARG_198,12.34,-0.48,0,0.33
2QDJ,LYS_192,10.64,-0.36,0,0.5
1FO9,GLU_215,4.14,1.15,-0.73,-0.78
2F19,ASP_79,4.64,0.14,0,0
1T07,ASP_18,3.5,0,-0.53,0.23
2I88,LYS_470,10.33,-0.22,0,0.04
2Q07,ASP_396,3.49,-0.47,-0.61,0.77
3RRQ,CYS_93,7.88,-1.35,-0.1,0.32
3P2F,ASP_182,2.93,-1.55,-0.38,1.06
1XEU,ASP_256,3.99,0,0,0.19
2FBI,CYS_59,9.2,0,-0.32,0.53
2B6P,ARG_85,12.73,-1.1,0.68,0.65
3DHN,GLU_129,4.63,0.13,0,0
2EJB,GLU_46,3.61,0.51,-1.36,-0.04
1TWU,ASP_78,3.88,0,-0.29,0.37
1AKO,HIS_118,6.51,-0.47,0.33,0.16
1A8Q,ASP_44,2.9,-0.85,-0.38,0.33
1YTD,LYS_313,10.42,-0.12,0,0.04
3JRT,LYS_115,10.44,-0.28,0,0.04,0.18
1ILW,GLU_42,4.47,0.21,0,-0.24
3OA7,ARG_556,13.11,-0.17,0.79,0
1R7J,LYS_4,10.41,-0.26,0,0.17
1GVP,ASP_79,1.77,-1.56,-0.86,0.4
4FCU,ASP_164,3.25,-0.66,-0.28,0.4
2BDD,ARG_100,12.24,-0.26,0,0
1BN6,GLU_268,4.6,0.1,0,0
1YB2,GLU_45,3.82,0.81,-0.85,-0.63
3V1Q,HIS_503,6.42,-0.24,0.16,0
2WB8,LYS_663,8.91,-1.86,0,0.26
3BWT,ARG_696,12.51,-0.43,0,0.45
2YX0,ASP_329,3.32,-0.84,0,0.36
2AXO,LYS_230,10.2,-0.43,0,0.13
2EDM,TYR_46,10.54,-0.38,0.03,0.89
1WXF,HIS_260,5.53,-0.52,0.15,-0.59
1J7G,ASP_135,3.78,0,-0.27,0.25
3MTT,GLU_543,4.31,0.39,-0.08,-0.51
3IL3,ASP_238,3.97,-0.82,-0.11,1.1
2ZCX,ARG_218,12.7,-0.23,0,0.43
1G5Z,GLU_51,4.03,0.21,-0.31,-0.37
1T95,TYR_189,11.85,0.85,0.47,0.53
1GVP,LYS_46,11.19,-0.48,0.85,0.32
1E59,HIS_144,6.18,-0.3,0,-0.01
1QQL,GLU_91,4.59,0.06,0,0.03
2HXB,TYR_90,9.3,-0.7,-0.41,0.41
3GV0,TYR_99,10.83,0,0.26,0.57
2QRX,TYR_141,11.81,0,0.09,1.73
2HNG,ASP_38,3.35,-0.51,-0.28,0.35
2D2S,LYS_613,11.46,-0.67,0.83,0.81
3CRM,ARG_54,12.67,-0.09,0,0.26
1TD6,ARG_144,12.26,-0.33,0,0.09
1PDB,ASP_186,2.69,-1.2,-0.63,0.73
4DNU,HIS_268,5.92,-0.8,0,0.22
1SNT,TYR_359,10.49,-0.65,-0.29,1.43
1WLY,GLU_107,4.58,0.28,0,-0.19
4DIU,HIS_46,4.25,-2.64,0.42,-0.03
3P29,ASP_158,2.74,-1.48,-0.4,0.82
3V3T,LYS_271,10.85,-0.73,0.65,0.44
3IVF,LYS_57,10.45,-0.19,0,0.15
2EFK,LYS_30,11.22,-0.25,0.45,0.52
3HST,ARG_41,12.22,-0.33,0,0.05
2FC3,GLU_120,3.72,0.33,-0.72,-0.39
1T07,GLU_52,4.6,0.1,0,0
2G5X,GLU_91,4.41,1.62,-1.42,-0.29
1OTM,GLU_129,4.61,0.41,0,-0.3
2BT8,ARG_225,13.75,-0.75,1.07,0.93
2V5B,GLU_134,4.62,0.98,-0.99,0.13
3G59,TYR_179,12.53,-0.01,0.7,1.84
3RKV,LYS_328,10.43,-0.18,0,0.11
2D8N,LYS_119,10.81,-1.06,0.67,0.7

3IPZ,ASP_152,3.98,0,-0.02,0.2
3GMS,ARG_92,11.41,-1.71,0,0.63
1YR6,ARG_146,10.97,-1.77,0,0.24
2RJD,ARG_521,12.32,-0.18,0,0
2DVK,GLU_169,4.65,0.24,0,-0.08
1SJ8,CYS_750,10.68,0,0,1.68
1RI5,TYR_124,12.59,-1.7,0.61,3.68
3LJI,GLU_187,4.25,1.63,-1.57,-0.31
2B78,LYS_12,9.93,-0.21,0,-0.36
2C2Y,ARG_166,12.1,-0.35,0,-0.05
2D7U,HIS_110,5.89,-0.8,0.15,0.04
2IXM,CYS_167,11.85,0,0.12,2.73
2BDV,HIS_82,5.63,-0.38,0,-0.49
2JHY,LYS_200,10.66,-0.09,0,0.25
1OLR,ARG_186,12.28,-0.37,0,0.15
4DVD,TYR_142,10.45,0,-0.06,0.51
2BT8,ARG_201,12.33,-0.17,0,0.22
1JKS,ASP_169,3.85,0,-0.28,0.33
3LJC,CYS_39,10.29,0,0.03,1.26
2HZZ,TYR_101,11.1,-0.04,0,3.0.85
3T5B,ARG_379,13.51,-0.5,0.83,0.68
3FWU,ARG_24,13.28,-0.39,0.51,0.66
2Y2T,LYS_66,10.37,-0.13,0,0
1R3D,HIS_259,6.2,-0.36,0,0.06
2FXT,GLU_407,4.89,0.11,0,0.28
3RUX,ARG_262,13,-0.47,0.34,0.63
1PSW,ARG_244,11.94,-0.73,0,0.17
2AD1,ASP_67,3.04,-0.85,-0.62,0.71
1UOH,ARG_222,12.37,-0.13,0,0
1FO9,ARG_419,12.72,-0.81,0,1.03
3D9H,HIS_162,6.08,-0.96,0.32,0.21
2H14,HIS_300,5.03,-2.6,0.81,0.31
1NRI,GLU_15,4.78,0.41,0,-0.13
3KVO,ARG_165,12.41,-0.68,0,0.6
4EZB,ASP_58,3.11,-0.89,-0.16,0.35
1J33,ARG_149,12.96,-0.41,0.44,0.42
3COU,ARG_114,12.63,-0.17,0,0.3
3B79,ARG_14,11.92,-0.59,0,0.01
3ETV,ARG_205,12.67,-0.45,0.36,0.26
2RIK,GLU_124,4.43,0.19,0,-0.26
2Y74,LYS_582,10.34,-0.16,0,0
2YX0,GLU_270,3.1,3.73,-2.01,-3.11
1ZYL,ARG_190,12.33,-0.64,0,0.47
3T5B,GLU_361,5.14,0.85,0,-0.21
2BT8,ASP_325,3.64,-0.5,-0.19,0.53
2P0Y,ASP_184,3.78,-0.52,0,0.5
2O8P,LYS_35,11.36,-0.62,0.85,0.65
2GZR,LYS_171,10.29,-0.21,0,0
2Q12,TYR_41,10.43,-0.03,0.1,0.36
3U2A,ASP_12,2.74,-1.37,0,0.31
3QAV,ASP_127,3.53,-0.63,-0.04,0.4
2RJD,ARG_267,10.9,-2.78,0,1.18
1O59,HIS_214,6.88,-0.41,0.58,0.22
3B7X,ARG_36,12.38,-0.3,0,0.18
3HVM,HIS_323,1.5,-3.76,0.85,-2.09
3FHF,HIS_83,4.84,-1.81,0.72,-0.56
2EYI,ASP_98,4.14,0,0,0.34
1EV8,LYS_96,10.19,-0.83,0.08,0.44
2JHY,ASP_185,4.51,0,0.5,0.2
2FB6,ARG_33,12.28,-0.22,0,0
3EX9,HIS_32,6.03,-0.42,0,-0.04
3L3P,ASP_339,4.49,-0.04,-0.05,0.78
3CIV,GLU_31,3.86,0.3,-0.73,-0.2
2B6P,TYR_149,13.28,0,0.4,2.87
3AU3,GLU_428,4.55,0.09,0,-0.04
2X4G,HIS_207,6.44,-0.35,0.29,0
1SNT,HIS_64,6.15,-0.37,0,0.02
3DSH,HIS_453,6.35,-0.15,0,0
3F1X,ARG_127,11.78,-0.69,0,-0.03
3B21,HIS_199,6.14,-0.29,0,-0.07
1H09,CYS_239,10.78,-0.15,0.08,1.85
2V1L,HIS_58,6.91,-1.2,0.85,0.75
1OIS,ASP_339,2.62,-1.52,-0.2,0.54
1NJ4,ASP_127,3.99,0,0,0.19
3N2T,LYS_192,10.57,-0.14,0,0.22
2R0S,HIS_230,5.8,-1.13,0.35,0.07
2GYZ,ARG_15,12.05,-0.19,0,-0.25
1P4X,HIS_219,6.79,-0.89,0.85,0.33
3BCY,ASP_27,3.3,-0.79,-0.05,0.35
1X9G,HIS_45,5.04,-1.78,0.25,0.07
1OTM,LYS_120,10.47,-0.1,0,0.07
1H09,TYR_137,10.13,-0.89,0.27,0.76
2QK1,LYS_460,11.31,-0.52,0.51,0.81
4DBX,LYS_209,10.66,-0.11,0,0.26
3ZXV,HIS_61,4.51,-2.63,0.71,-0.07
1SIG,ARG_339,12.33,-0.19,0,0.02
3IOC,LYS_125,10.45,-0.05,0,0
1R9W,ARG_320,12.44,-0.06,0,0
2YYO,GLU_44,4.51,1.45,-1.18,-0.26
1KW4,ASP_21,2.9,-1.28,0,0.38
3FXH,GLU_37,4.69,0.17,0,0.03
3P2F,GLU_63,4.87,0.16,0,0.22
3CAX,LYS_215,10.3,-0.13,0,-0.07
3V46,ASP_365,3.3,-0.47,-0.52,0.5
2OJQ,TYR_660,9.97,-0.85,0.01,0.81
1RLO,GLU_70,4.09,0.61,-0.52,-0.51
2D8N,ASP_165,3.2,-0.67,-0.34,0.4
3MIX,GLU_588,4.76,1.36,-1.11,0
2CXC,ARG_80,12.89,-0.26,0.1,0.54
2PWQ,GLU_124,4.88,0.28,-0.08,0.19
3OBS,ARG_23,13.19,-0.3,0.54,0.44
1CHD,LYS_246,10.45,-0.68,0.04,0.58
2QDJ,LYS_122,11.23,-0.72,0.85,0.59
2OEW,TYR_223,10.59,-0.85,0.08,1.35
3GMS,CYS_134,12.8,0,0,3.8
1NIJ,GLU_307,4.6,0.09,0,0.02
2EEY,TYR_145,10.52,0,-0.17,0.68
1O0X,LYS_63,10.37,-0.43,0,0.3
2O8P,GLU_47,2.71,1.14,-2.45,-0.48
1ZCE,ARG_33,13.28,-0.52,0.76,0.53
3ULX,LYS_35,10.82,-0.87,0.85,0.34
2B0A,HIS_50,4.43,-1.35,0,-0.71
1RLO,ASP_152,3.22,-0.36,-0.5,0.29
3MIX,ASP_517,3.39,-0.97,-0.17,0.74
1ATO,LYS_379,11.34,-0.46,0.85,0.45
4FCU,ASP_135,3.8,0,-0.17,0.18
2OGQ,HIS_382,6.27,-0.19,0,-0.03
3I47,LYS_254,10.45,-0.05,0,0
2QHT,CYS_138,12.54,-0.37,-0.17,4.08
1MML,ASP_108,3.15,-0.76,-0.09,0.2
2CWV,LYS_64,9.85,-0.26,0,-0.4
3MEW,GLU_198,4.63,0.07,0,0.06
2C13,CYS_177,12.3,0,-0.24,3.54
2WB3,HIS_369,6.2,-0.3,0,0
4FCU,ASP_71,3.24,-0.46,-0.32,0.22
1J33,TYR_97,12.17,0.73,0.22,1.23
1O0X,GLU_137,4.59,0.22,0,-0.13
2Z7Y,GLU_81,4.29,0.22,-0.05,-0.37
2V4U,LYS_490,11.49,-0.24,0.85,0.38
3ONH,ARG_443,12.86,-0.3,0.3,0.37
3JZN,ASP_279,3.91,0,-0.13,0.24
3TMO,ASP_221,3.8,0,-0.16,0.16
1W24,ARG_60,12.63,-0.31,0.07,0.36
1YB2,TYR_139,9.79,-0.85,0,0.64
1O0X,ARG_133,11.81,-0.87,0,0.18
3JZN,ARG_439,12.15,-0.6,0,0.26
2WB8,GLU_548,4.73,0.23,0,0
2A1V,ASP_18,4.05,0,-0.09,0.34
1EYH,HIS_146,7.21,-0.2,0.8,0.12
3C01,HIS_29,6.34,-0.15,0,-0.02
1MJS,ARG_242,12.07,-0.77,0,0.35
3EVZ,HIS_59,6.28,-0.72,0.26,0.24
1X7F,ARG_271,11.34,-1.17,0,0.02
3H13,TYR_276,13.26,-0.85,0.38,3.73
1SNT,ARG_41,12.29,-0.26,0,0.06
1YW5,ASP_131,3.61,-0.17,-0.34,0.32
3LPZ,LYS_119,10.18,-0.25,0,-0.06
2E0T,HIS_129,6.36,-0.97,0.76,0.07
1J5X,GLU_179,4.09,0.32,-0.77,0.04
1O5T,LYS_458,10.25,-0.29,0,0.05
2RIS,TYR_53,10.01,0,-0.35,0.37
1H4U,ASP_606,3.46,-0.66,-0.19,0.51
2IDC,ASP_118,2.81,-1.11,-0.48,0.6
1ZYL,ARG_50,12.41,-0.18,0,0.09
2P65,LYS_43,9.62,-0.83,0,-0.05
2X4L,LYS_67,10.8,-0.54,0.46,0.38
3GS9,ASP_285,3.76,-0.79,0,0.75
2BDV,GLU_12,4.19,0.32,-0.61,-0.02
4F85,ASP_287,3.39,-1.57,-0.02,1.18
1A8Q,ASP_84,2.85,-0.74,-0.44,0.23
2OJQ,GLU_460,4.45,0.27,0,-0.31
3EX9,CYS_104,12.18,0.29,2.89
3CXS,ASP_10,3.01,-1.06,-0.1,0.36
3CGW,ARG_161,12.38,-0.2,0.0,0.08
2EYI,LYS_147,10.55,-0.73,0.2,0.59
2D2S,LYS_751,10.21,-0.37,0,0.09
3JZ9,TYR_403,11.41,0.0,0.3,1.38
4EZB,ARG_201,12.52,-0.06,0,0.09
1TD6,LYS_23,10.3,-0.15,0,-0.05
1Y2Q,ASP_17,3.86,0,-0.1,0.16
1OTM,GLU_55,3.72,0.45,-0.85,-0.38
1DVO,CYS_135,9.14,-0.1,-0.24,0.48
1E5S,ASP_65,3.72,-0.11,-0.37,0.41
3ULX,TYR_120,9.89,-0.02,-0.58,0.5
3M70,GLU_79,4.23,0.61,-0.52,-0.37
3BQW,LYS_97,10.6,-0.12,0,0.22
2QRX,HIS_49,6.18,-1.37,0.71,0.34
2R51,ARG_240,12.39,-0.11,0,0
1ZBS,ASP_83,4.11,0.0,0.1,0.3
1V6T,HIS_107,3.75,-3.25,0.83,-0.33
1V43,GLU_39,5.25,2.62,-1.27,-0.6
1U53,ASP_168,4.16,0,-0.11,0.48
2X4L,LYS_307,10.3,-0.24,0,0.04
3CAX,LYS_462,10.54,-0.17,0,0.21
3O16,ARG_175,11.46,-1.76,0.08,0.64
2YLF,ARG_76,12.42,-0.07,0,-0.02
2G9D,ASP_78,4.94,0.13,1.02
3U56,CYS_104,12.25,0.26,0.88,2.13
1I60,CYS_149,11.19,-1.28,0.1,3.37
2DVK,ARG_179,12.67,-0.33,0.01,0.49
3CSR,LYS_32,11.63,-0.52,0.85,0.81
1VJG,LYS_74,10.44,-0.06,0,0
2FZ4,GLU_103,4.83,0.25,0,0.08
2PWQ,GLU_131,4.51,0.26,0,-0.25
2B0J,GLU_306,3.93,0.31,-0.74,-0.15
3BCY,TYR_53,13.05,0.09,2.96
1R7J,CYS_17,11.43,0,-0.01,2.43
1NAR,GLU_107,4.47,0.17,0,-0.2
2O8P,LYS_166,10.52,-0.23,0,0.25
3D9H,ASP_161,4.38,-0.82,0.25,1.14
3MTT,GLU_466,4.57,0.29,0,-0.23
1W7B,GLU_253,4.99,0.58,0,-0.07
1YBL,CYS_168,13.25,0.0,0.43,3.82
1X8F,GLU_75,4.7,0.22,0,-0.01
2EFK,LYS_187,10.63,-0.24,0,0.37
3BB7,GLU_216,3.68,0.48,-1.05,-0.24
3DSH,ASP_227,3.96,0,0,0.16
3RJZ,CYS_213,8.68,-0.55,0,0.23
2R2Y,TYR_48,12.58,0.62,1,0.95
1MD6,GLU_93,4.53,0.28,0,-0.26
1VJG,ARG_139,13.61,-0.96,1.54,0.52
1RWZ,GLU_92,3.89,0.29,-0.49,-0.41
3EJG,CYS_123,11.2,0.0,25,1.96
2YWK,HIS_59,6.28,-0.27,0,0.04
2CN1,ASP_140,3.35,-0.73,-0.25,0.53
3ONT,HIS_126,6.32,-0.17,0,-0.01
2H8O,ARG_136,13.76,-1.43,1.44,1.25
2O0K,ASP_54,3.43,-0.53,-0.31,0.46
3T5B,ARG_41,12.2,-0.36,0,0.06
2JKF,LYS_133,10.81,-0.8,0.56,0.56
1JYH,GLU_23,4.18,0.23,-0.55,0
3ILC,ARG_100,13.44,-0.31,0.81,0.44
2Q13,GLU_239,4.74,0.24,0,0
2R0S,TYR_126,10.72,0.0,0.06,0.67
4ECC,ASP_90,3.93,0,-0.22,0.34
2POL,ASP_109,4.28,0,-0.17,0.64
2GAU,ARG_144,10.62,-1.91,0,0.03
2ZCO,GLU_220,4.75,1.2,-0.68,-0.27
3EZ7,ARG_104,13.28,-0.45,0.48,0.75
2D7U,GLU_169,5.12,0.28,0,0.34
2ZCO,TYR_105,13.46,0.83,0.5,2.13
3G9G,GLU_222,4.67,0.2,0,-0.03
1J7G,CYS_113,12.12,-0.3,-0.01,3.42
2CBE,ASP_71,2,-1.85,-0.39,0.44
3ERF,GLU_109,3.38,0.41,-1.31,-0.21
2A1V,HIS_84,6.14,-0.29,0,-0.07
1KCM,HIS_85,6.67,-0.84,0.85,0.15
3RE9,GLU_129,2.99,0.49,-1.54,-0.46
3IBT,ASP_82,4,0,0,0.2
3FXH,ASP_22,3.91,0,-0.02,0.13
3O48,ASP_101,3.39,-0.72,-0.63,0.93
3CN5,TYR_53,10.36,0,0.36
3G9G,HIS_147,4.24,-1.65,0,-0.62
1WRU,ARG_160,11.11,-1.47,0,0.09
1YW5,GLU_114,3.55,0.31,-1,-0.26
2CBE,ARG_227,12.59,-1.18,0.84,0.44
3A4C,ASP_520,3.94,0,-0.03,0.17
3C38,ARG_146,12.07,-0.57,0,0.13
1LZL,ARG_211,11.9,-0.6,0,0
2BLL,GLU_377,3.65,0.42,-0.93,-0.35
1SQH,GLU_173,3.7,0.37,-0.91,-0.26
2A4D,CYS_145,12.89,0.36,3.53
4E5S,LYS_134,10.09,-0.49,0,0.07
2PLQ,ARG_267,10.4,-2.47,0,0.37
2JKF,GLU_165,5.31,1.56,-0.37,-0.37
2BLL,GLU_586,3.83,0.63,-0.88,-0.41
2H2Z,LYS_97,10.41,-0.12,0,0.03
3CBN,ARG_25,13.13,-0.35,0.59,0.39
3BZT,ASP_342,3.01,-1.04,0,0.26
3MIX,ARG_372,11.64,-0.86,0,-0.01
2CVB,GLU_155,3.72,0.37,-0.85,-0.31
1Y0K,TYR_45,11.92,0.83,0.07,1.02
1DTO,ARG_47,12.23,-0.27,0,0
3FWU,HIS_13,6.31,-0.17,0,-0.03
3BWT,LYS_786,10.73,-0.39,0.26,0.36
3LQE,GLU_342,4.15,0.54,-0.58,-0.3
2FZ4,ARG_62,12.53,-0.94,0.39,0.59
1A8Q,LYS_177,11.29,-0.46,0.82,0.43
2Q13,TYR_168,9.7,-0.24,-0.24,0.19
1GXN,TYR_635,12.68,0,-0.32,3
3B21,LYS_34,11.34,-0.31,0.1,0.77,0.38
1Y2L,HIS_210,5.07,-1.34,0,-0.1
3RKV,GLU_297,3.25,0.42,-0.94,-0.72
3F6M,LYS_31,10.2,-0.48,0,0.18
3CO1,LYS_83,10.44,-0.06,0,0
2NSN,LYS_70,10.69,-0.22,0,0.41

3UPD,ARG_96,13.14,-0.36,0.7,0.29
2XMZ,LYS_36,10.72,-0.36,0,0.57
4D8L,LYS_48,10.26,-0.12,0,-0.12
3H9W,ASP_85,3.07,-0.82,-0.49,0.58
1ZBP,GLU_247,4.58,0.08,0,0
2NRK,TYR_168,10.37,0,0.01,0.36
1YOK,GLU_191,4.48,0.12,0,-0.14
3LJC,GLU_151,4.59,0.09,0,0
4E8B,ARG_151,13.58,-0.91,1.27,0.71
2W2S,GLU_58,4.38,0.75,-0.12,-0.74
3RRQ,ARG_115,12.84,-0.26,0.04,0.56
3CCY,GLU_31,4.63,0.12,0,0.01
2FM9,HIS_209,6.28,-0.19,0,-0.03
2X4G,GLU_204,4.65,0.15,0,0
3H5T,GLU_49,4.97,0.14,0,0.33
1ZCE,CYS_85,12.19,0.2,1.07,1.92
2A0J,LYS_23,10.6,-0.16,0,0.26
3U0V,TYR_58,13.52,0,0.21,3.31
2G9D,ASP_342,4.14,0,0.2,0.15
3LJN,GLU_236,4.53,0.29,0,-0.26
2NRK,GLU_170,3.53,0.25,-0.83,-0.39
1DUP,GLU_115,4.76,1.26,-0.8,-0.2
3GFP,ASP_395,4.4,-0.23,-0.13,0.96
1XDZ,TYR_64,11.29,0,0.1,0.29
3B21,TYR_115,12.01,0,0.46,1.56
2H14,TYR_35,12.99,-0.39,1.13,2.25
3E0H,GLU_157,4.42,0.17,0,-0.25
2OEW,LYS_151,10.22,-0.33,0,0.05
2XWS,ARG_3,12.43,-0.37,0,0.3
1AD6,TYR_454,12.45,0,-0.02,2.47
1E59,ARG_83,12.92,-3.89,0.59,3.72
3K8J,GLU_175,5.73,1.03,0,0.2
2E0T,ASP_73,2.28,-1.73,-0.7,0.91
3ONH,ASP_544,3.01,-0.65,-0.38,0.24
2ZQ5,HIS_164,5.45,-1.11,0,0.06
1W7B,TYR_316,10.78,0,0.27,0.5
2B61,ASP_325,3.07,-0.81,-0.56,0.64
1AKO,TYR_52,12.09,0,0.13,1.96
2CXA,ASP_32,1.38,-2.72,-0.5,0.8
2A6B,ARG_80,10.99,-1.52,0,0.01
2OKT,TYR_194,13.52,-0.09,0.61,3.01
2D7J,ARG_95,12.51,-0.06,0,0.08
2AD1,LYS_223,10.82,-0.16,0,0.48
3DB9,ARG_87,13.22,-0.67,0.73,0.65
1O59,HIS_194,6.32,-0.16,0,-0.02
3EIZ,LYS_137,6.29,-0.31,0,0.09
3H13,ASP_306,2.81,-1.74,-0.57,1.31
1FKM,ASP_330,4.09,-0.43,-0.04,0.76
1EYH,GLU_143,3.29,0.48,-0.94,-0.74
3ASA,LYS_83,9.7,-1.03,0,0.23
2CWY,GLU_22,5.04,0.2,0,0.35
2EJB,GLU_127,3.63,0.33,-0.76,-0.44
1SJJ,GLU_151,3.65,0.36,-0.78,-0.43
4ETX,GLU_356,3.92,0.26,-0.33,-0.51
2WB8,CYS_564,11.85,0,0.06,2.79
1SNT,GLU_72,4.56,0.32,-0.05,-0.22
3EYE,ARG_62,12.05,-0.45,0,0
3K1H,GLU_129,4.7,0.2,0,0
2F4Q,LYS_172,10.3,-0.13,0,-0.07
3CJW,GLU_339,4.64,0.17,0,-0.03
2EHG,GLU_87,4.57,0.28,0,-0.21
3F5D,LYS_4,11.06,-0.54,0.85,0.25
3EZ7,LYS_331,10.45,-0.25,0,0.2
1MD6,ARG_47,12.47,-0.38,0,0.35
3IPZ,GLU_168,4.7,0.2,0,0
3GE9,LYS_6,10.93,-0.27,0.21,0.49
3CBN,ASP_140,3.64,-0.98,0.15,0.67
2JEO,GLU_196,3.62,0.36,-0.82,-0.42
1UAJ,GLU_243,3.86,0.41,-0.85,-0.19
2CE6,ASP_26,2.51,-1.2,-0.54,0.46
2D7U,GLU_307,4.52,0.29,0,-0.27
3JZ9,ASP_445,5.16,-0.03,0.12,1.28
2YX0,GLU_54,4.11,0.32,-0.07,-0.65
3RUX,GLU_147,11.09,-0.28,0.48,0.38
2IXM,GLU_262,4.84,0.51,0,-0.17
1R53,HIS_174,6.23,-0.23,0,-0.05
3GV0,GLU_299,3.63,2.82,-0.73,-2.96
1RKA,GLU_188,5.26,1.19,-0.19,-0.24
1PVT,GLU_209,3.85,1.06,-1.16,-0.55
2V4X,GLU_21,4.7,0.22,0,-0.02
3ON1,GLU_3,4.54,0.04,0,0
3A0X,LYS_682,11.06,-0.33,0.65,0.25
1J33,LYS_115,11.34,-0.44,0.85,0.43
1P1L,TYR_76,12.95,0.85,0.62,1.48
3EVN,TYR_8,13.07,-0.85,0.22,3.69
3GA2,GLU_212,4.42,0.17,0,-0.25
3VJ8,HIS_268,6.03,-1.19,0.81,-0.08
2FG1,LYS_73,10.34,-0.16,0,0
3FWU,ARG_94,12.14,-0.63,0,0.27
1JKS,LYS_108,11.29,-0.47,0.85,0.4
2FXT,GLU_267,4.64,0.16,0,-0.03
1YB2,ASP_140,3.41,-0.59,0.0,0.21
1UAJ,CYS_112,13.75,0,1.06,3.7
2QK0,GLU_35,3.38,0.61,-1.23,-0.5
1M5I,ASP_170,4.11,0,-0.05,0.35
1WYC,CYS_216,12.57,-0.85,0.51,3.92
2YWX,GLU_136,4.29,0.33,0,-0.54
4ETX,HIS_338,5.59,-1.31,0,0.4
1GVP,LYS_69,11.08,-0.54,0.85,0.27
3DHN,LYS_42,10.28,-0.22,0,0
1K95,GLU_116,3.84,0.47,-0.59,-0.54
2O0K,LYS_112,10.56,-0.32,0,0.37
1KCM,GLU_41,3.63,0.3,-0.85,-0.32
3K85,ARG_408,12.8,-0.16,0,0.45
1U3Y,ASP_276,3.42,-0.31,-0.4,0.33
2H85,GLU_220,4.41,0.29,-0.22,-0.17
1RHS,ASP_200,4.99,0.26,0.35,0.58
3PU6,ARG_99,12.89,-0.62,0.35,0.65
1RIS,TYR_254,11.65,0,0.17,1.48
2CVB,TYR_47,9.95,0,-0.36,0.31
2AZP,ARG_313,12.29,-0.23,0,0.02
1J85,GLU_117,3.96,0.2,-0.72,-0.02
3LJN,CYS_50,10.96,-0.01,-0.12,2.08
3ETU,ARG_316,12.42,-0.13,0,0.05
2BT8,HIS_158,6.38,-0.12,0,0
3EGN,CYS_420,9.58,-0.19,0.13,0.64
1L3K,GLU_132,4.61,0.31,0,-0.19
3Q2C,LYS_42,11.04,-0.2,0.59,0.16
3FK5,GLU_173,4.65,0.57,-0.27,-0.16
3BWT,TYR_615,9.9,0,-0.48,0.38
2A6B,GLU_102,4.53,0.19,0,-0.16
2E3C,ARG_330,11.7,-1.43,0,0.63
1HF8,ARG_126,11.86,-0.81,0,0.17
1QYI,GLU_16,4.61,1.15,-0.51,-0.52
2G9D,ASP_16,3.13,-0.67,-0.37,0.37
1Q42,GLU_36,4.62,0.12,0,0
2Q12,GLU_28,4.71,0.16,0,0.05
1RKA,ASP_306,4.07,0.01,0.0,0.26
3ETV,GLU_88,4.75,0.25,0,0
3ELI,ARG_111,13.1,-0.29,0,0.89
2X5Y,LYS_748,10.08,-0.52,0,0.11
1DZF,LYS_152,10.3,-0.35,0,0.15
1DVO,ARG_111,13.04,-0.43,0.65,0.32
1YR6,GLU_94,4.5,0.32,0,-0.33
1LTU,GLU_39,4.92,0.3,0,0.12
3CO1,CYS_45,12.57,-0.03,0.1,3.51
3GS3,GLU_143,4.57,0.07,0,-0.01
1HF8,LYS_239,11.3,-0.29,0.77,0.32
1FHL,LYS_166,10.22,-0.8,0,0.52
1GPP,TYR_146,11.62,-0.34,-0.3,2.26
2AHE,LYS_177,10.27,-0.19,0,-0.04
3EUR,LYS_132,10.4,-0.25,0,0.15
2AZL,LYS_265,9.65,-0.82,0,-0.02
3GS3,ARG_113,12.12,-0.38,0,0
2IRM,CYS_189,12,0,-0.04,3.04
3RFY,LYS_411,10.74,-0.59,0.16,0.67
1TR9,ARG_276,13.43,-1.24,1.11,1.05
1GPP,LYS_128,11.44,-0.31,0.85,0.39
2EHG,ASP_28,3.68,-0.19,-0.07,0.13
1UXO,ASP_136,1.56,-2.48,-0.28,0.53
2H01,ASP_109,3.98,0,-0.06,0.24
2C2Y,ARG_267,12.38,-1.51,0.78,0.59
2QK1,GLU_476,4.44,1.91,-1.51,-0.45
3M3P,HIS_152,5.95,-1.49,1,-0.06
1DTP,TYR_154,11.96,-0.47,0.51,1.91
2J8A,CYS_248,8.88,-0.37,-0.47,0.71
4GA2,GLU_73,4.42,0.68,-0.41,-0.35
3OKQ,GLU_585,3.1,0.36,-1.07,-0.69
3RVC,TYR_89,10.21,0,0,0.21
3M3P,ASP_219,3.86,0,-0.17,0.23
2EJ8,LYS_158,10.47,-0.03,0,0
2A6B,TYR_127,10.53,-0.44,0.41,0.56
3CIV,GLU_5,4.55,0.31,0,-0.26
1R53,GLU_15,4.59,0.2,-0.07,-0.03
2QDJ,GLU_112,4.65,0.19,0,-0.04
3EZ7,ASP_72,4.03,0,0,0.23
1LTU,ASP_257,3.21,-0.82,-0.17,0.4
1DZF,ARG_14,12.12,-0.32,0,-0.06
1Q42,CYS_67,9.94,-0.05,0.1,0.89
3ASA,ARG_362,12.49,-0.07,0,0.06
2OPJ,ARG_169,13.79,-0.66,1.21,0.74
1WXF,LYS_257,10.37,-0.13,0,0
1TD6,ARG_288,12.43,-0.35,0.0,0.29
2OKT,ARG_160,11.47,-1.16,0,0.13
4ACJ,HIS_653,5.47,-0.82,0.22,-0.42
2Q34,LYS_33,10.6,-0.17,0,0.27
1KBK,LYS_10,10.33,-0.17,0,0
3ETU,LYS_289,11.29,-0.56,0.85,0.5
1WNH,GLU_43,4.13,0.46,-0.21,-0.6
2WB8,ARG_616,12.27,-0.36,0,0.13
1T95,LYS_153,9.87,-0.38,0,-0.25
1X04,GLU_188,4.7,0.15,0,0.06
1TWH,GLU_67,4.74,0.2,0,0.04
2QHT,CYS_170,9.64,0.25,0.39
3GEC,ARG_316,12.79,-0.79,0.23,0.87
1WYC,CYS_118,12.47,-0.66,0.33,3.8
1GPP,GLU_141,4.64,0.29,0,-0.15
3GS9,LYS_71,11.51,-0.58,0.85,0.74
1A8Q,GLU_262,3.53,0.47,-1.21,-0.24
2P5D,ASP_74,2.53,-1.29,-0.43,0.35
1V6T,ARG_168,11.84,-1.03,0,0.35
2OB5,CYS_126,11.82,0,0.05,2.76
2G2D,ARG_185,12.42,-0.08,0,0
3T5B,ASP_130,4.01,-0.15,-0.2,0.57
3FK5,LYS_39,10.64,-0.14,0,0.28
3CRC,GLU_324,4.26,0.58,-0.82,0
3FRR,ARG_10,12.25,-0.26,0,0.01
1DTP,HIS_53,5.76,-0.38,0,-0.36
2D7U,ARG_138,11.83,-0.87,0,0.21
4FCU,LYS_114,11.44,-0.23,0.79,0.38
3LQE,ARG_238,12.56,-0.31,0,0.38
1SQW,LYS_94,11.06,-0.2,0.38,0.39
1L2F,GLU_122,4.48,0.27,0,-0.29
4EZB,GLU_245,3.47,0.42,-1.07,-0.38
3JRT,LYS_152,11.25,-0.6,0.85,0.51
2QK1,TYR_376,12.96,-0.72,0.3,6.8
4ANN,ARG_134,11.07,-2.46,0.19,0.84
3JSN,GLU_187,3.91,0.27,-0.56,-0.3
2NRR,LYS_389,10.5,-0.3,0,0.3
2R0S,CYS_130,10.21,-0.98,0.05,2.14
3I47,ARG_239,12.33,-0.17,0,0
3H5T,ARG_92,13.41,-0.19,0.0,0
4AE7,ARG_92,13.41,-0.15,0.45,0.61
3ETU,ASP_349,3.96,0,-0.04,0.2
3LME,ARG_23,12.37,-0.13,0,0.01
1EQ6,ASP_73,3.88,-0.1,0,0.18
4FH3,HIS_336,5.21,-1.35,0,0.05
2ZQ5,ASP_323,3.64,-0.47,-0.06,0.37
4DEZ,TYR_83,12.63,0.17,0.73,1.74
2OEW,ARG_56,12.27,-0.21,0,-0.02
3GS3,ASP_167,3.93,0,-0.04,0.18
1QQE,ASP_151,3.98,0,-0.28,0.46
1L2F,ASP_278,3.92,-0.15,-0.12,0.39
3V55,ARG_467,12.72,-0.3,0.46,0.06
3V75,ASP_267,3.97,-0.15,-0.31,0.64
1RZ2,TYR_168,13.54,-0.07,0.43,3.18
1XEU,ASP_268,3.9,-0.13,0,0.24
1NJ4,GLU_278,4.13,0.5,-0.74,-0.12
1JB3,ASP_58,3.88,0,-0.18,0.26
3VJ8,GLU_344,3.99,0.78,-0.71,-0.17
1BYI,TYR_74,10.77,-0.8,0.11,1.47
1R6Y,GLU_67,3.3,0.3,-0.85,-0.65
2Q99,ASP_40,4.12,0,-0.06,0.38
3LPZ,LYS_4,10.61,-0.16,0,0.28
2X4L,CYS_331,12.99,0,0.21,3.77
3B21,TYR_200,13.16,0,0.25,2.9
3TIR,ARG_21,12.61,-0.13,0,0.24
1X9G,ARG_84,12.55,-0.19,0,0.24
2Z0M,GLU_329,4.73,0.2,0,0.03
1X8F,GLU_83,3.71,0.39,-0.85,-0.33
4FCU,ASP_242,3.46,-0.74,0.01,0.39
3B21,ARG_198,12.18,-0.19,0,-0.12
3B21,TYR_200,13.16,0,0.25,2.9
3RVC,ARG_140,12.65,-0.28,0.04,0.38
1DUP,ARG_34,11.74,-0.6,0,-0.18
1G8P,TYR_147,12.55,0,-0.33,2.88
2C13,ARG_144,13.15,-1.56,0.53,1.67
1T3Y,GLU_72,10.58,-0.2,0.28,0
3V75,ARG_74,12.4,-0.21,0,0.11
1ZBP,GLU_214,4.38,0.18,0,-0.31
2XWS,GLU_36,5.03,0.85,-0.06,-0.26
3EIZ,LYS_132,10.22,-0.61,0,0.35
2QOP,ARG_176,4.6,0.36,-0.09,-0.17
3H8Y,LYS_94,10.42,-0.15,0,0.07
3OBS,TYR_15,12.18,-0.82,0.05,2.95
4E9E,LYS_472,10.43,-0.07,0,0
3LPZ,ASP_76,4.01,-0.32,-0.28,0.81
1WP5,ARG_215,12.38,-0.62,0.2,0.29
4DIU,GLU_15,4.74,0.32,0,-0.08
3KT9,GLU_99,3.82,0.59,-0.76,-0.51
3COU,ARG_5,12.48,-0.26,0,0.24
3P2F,ASP_170,3.81,0,-0.12,0.13
2EFK,ASP_82,3.42,-0.41,-0.4,0.43
1SJJ,ASP_126,3.77,-0.3,0.02,0.25
3BQW,ARG_101,12.36,-0.24,0,0.1
2A1V,HIS_139,6.42,-0.08,0,0
1G8P,LYS_133,10.32,-0.24,0,0.06
1Y2Q,TYR_13,12.04,0.17,1.86
3A2Z,ASP_49,4.01,0,0.06,0.16
3GV0,ASP_248,2.99,-1.97,-0.46,1.63
1KCM,GLU_250,4.51,0.24,0,-0.22
1E59,GLU_126,4.74,0.24,0,0
3CSV,ARG_325,12.65,-0.08,0,0.23
3CRM,ASP_244,1.86,-2.05,-0.38,0.49
3Q2C,GLU_68,3.06,0.33,-0.97,-0.81
3M7G,GLU_266,4.75,0.2,0,0.05

4F8A,CYS_568,9.2,-0.04,-0.22,0.47
 3F5D,ASP_168,3.89,0,-0.09,0.18
 1SUU,LYS_648,10.5,0,0,0
 3IV4,HIS_26,4.87,-1.77,0.04,0.1
 1KW4,ARG_27,12.39,-0.18,0,0.06
 1UOH,ASP_181,3.07,-0.85,-0.42,0.54
 2J8A,HIS_294,5.6,-1.46,0.45,0.1
 3CO1,TYR_119,10.73,0,0.12,0.61
 2AZL,GLU_268,4.74,0.29,0,-0.05
 3FRR,TYR_165,12.72,0.54,0.78,1.42
 3ETV,LYS_111,10.38,-0.12,0,0
 2X4J,LYS_30,10.44,-0.06,0,0
 3NR5,LYS_2,10.42,-0.11,0,0.02
 3CSV,ARG_106,11.92,-0.86,0,0.29
 1P6F,LYS_136,9.76,-0.74,0,0
 1RHS,ASP_195,3.8,0,-0.46,0.46
 157K,LYR_95,11.38,0.62,0.26,0.51
 2RJD,ARG_467,12.39,-1.41,0.82,0.46
 2OKT,ARG_76,12.89,-0.35,0.41,0.33
 2ILR,ARG_365,11.8,-0.85,0,0.14
 2BV9,TYR_54,10.42,0,0,0.42
 3G9G,GLU_23,3.73,0.51,-0.84,-0.43
 2Q5X,LYS_865,10.64,-0.31,0.22,0.24
 2XHC,ARG_272,12.45,-0.08,0,0.03
 1H09,LYS_236,10.4,-0.09,0,0
 3H13,HIS_417,6.48,-0.23,0.29,-0.08
 4DBX,HIS_131,5.67,-3.26,0.85,1.58
 3RJZ,LYS_90,10.46,-0.05,0,0
 1XTZ,LYR_65,10.69,-0.19,0,0.38
 3GYW,HIS_120,7.02,-0.6,0.76,0.36
 1T95,LYS_228,10.52,-0.09,0,0.11
 1SQH,GLU_20,3.98,0.42,-0.69,-0.25
 3L7N,LYS_111,10.33,-0.62,0,0.45
 1OTM,GLU_194,5.27,0.62,0,0.15
 1LFP,LYS_119,10.14,-0.36,0,0
 1P4X,LYS_54,9.75,-0.78,0,0.03
 3I82,TYR_70,9.68,-0.43,-0.05,0.16
 2C2Y,ARG_150,12.7,-0.65,0.55,0.3
 4ECC,HIS_160,6.47,-0.18,0,0.15
 1R5Q,GLU_59,3.69,0.43,-0.94,-0.3
 2E0T,ASP_75,4.13,0,0.13,0.19
 3PP8,HIS_109,5.78,-0.96,0,0.24
 1J7G,TYR_52,10.12,0,-0.14,0.27
 3ONH,ARG_522,12.01,-0.66,0,0.17
 2JEO,TYR_187,10.32,-0.23,-0.52,1.08
 3K8J,TYR_49,12.37,0.0,0.68,1.69
 3P28,ASP_228,4.22,0,0.17,0.6
 1PZC,ASP_37,3.25,-0.82,-0.17,0.43
 2F4Q,GLU_228,4.13,1.64,-1.46,-0.55
 2D7J,LYS_138,10.56,-0.08,0,0.14
 1ZP2,GLU_70,3.99,0.13,-0.29,-0.35
 1UCH,HIS_179,6.68,-0.41,0.26,0.33
 1W7B,LYS_81,10.3,-0.11,0,-0.08
 2ZCO,LYS_9,10.38,-0.12,0,0
 2HRZ,HIS_86,2.79,-2.87,0,-0.84
 1J85,LYS_42,10.5,-0.07,0,0.07
 1OIS,LYS_271,10.47,-0.25,0,0.22
 1TXJ,GLU_66,4.96,0.42,-0.07,0.11
 3EZ7,GLU_301,3.49,0.39,-0.85,-0.56
 2Q98,GLU_39,3.15,0.33,-0.85,-0.83
 4DIU,ARG_62,12.22,-0.28,0,0
 3EX9,ARG_117,12.36,-0.23,0,0.1
 1L3K,ASP_80,2.72,-1.7,-0.09,0.71
 3EJC,GLU_87,3.55,0.43,-0.75,-0.64
 3QAV,LYS_119,10.83,-1.0,0.85,0.48
 1XAW,TYR_443,10.08,0,-0.32,0.4
 1YTQ,GLU_122,3.52,0.38,-0.63,-0.73
 1IAP,ARG_136,12.44,-0.23,0,0.17
 3G6S,ARG_26,10.26,-2.71,0,0.48
 3CAX,LYS_137,10.96,-0.27,0.31,0.41
 3V3T,ASP_133,3.44,-0.16,-0.44,0.24
 2GZR,ARG_167,12.09,-0.45,0,0.04
 2JKF,TYR_35,11.03,-0.32,0.05,1.3
 1G8P,HIS_159,7.95,-0.37,1.23,0.6
 1BN6,CYS_139,13.06,0,0.65,3.41
 3ADO,GLU_52,5.71,1.33,0,-0.12
 3D9H,HIS_103,5.65,-1.18,0,0.32
 1FQI,LYS_319,10.43,-0.21,0,0.14
 2BLL,ARG_317,13.4,-0.28,0.34,0.84
 1DZF,GLU_6,4.33,0.1,-0,-0.28
 1P1L,HIS_2,5.77,-0.84,0,0.1
 2B78,TYR_222,12.46,-0.59,-0.06,3.12
 3K9I,ARG_111,12.68,-0.7,0.55,0.32
 3RLN,GLU_592,3.36,0.67,-1.47,-0.32
 15QH,TYR_288,13.03,-0.85,0,3.88
 2X5Y,ASP_803,2.2,-1.59,-0.64,0.64
 2Q34,LYS_205,10.47,-0.14,0,0.11
 2AZL,ARG_46,12.25,-0.28,0,0.03
 1O59,HIS_76,6.22,-0.23,0,-0.04
 2CVB,GLU_17,3.71,0.45,-0.61,-0.62
 1YR6,GLU_41,4.39,0.14,0,-0.26
 3NR5,ASP_39,3.68,0,-0.26,0.13
 2ATR,CYS_128,9.29,0,0,0.29
 3JV1,CYS_147,10.05,-0.07,-0.33,1.45
 1ZBP,HIS_205,5.72,-1.53,0.59,0.16
 2CWC,ARG_107,12.42,-0.2,0,0.13
 3KEY,ASP_375,4.63,0,-0.19,1.02
 1MHN,TYR_127,12.7,0.29,0.67,1.74
 1OXZ,GLU_257,4.03,0.76,-0.65,-0.57
 3COU,GLU_8,4.71,0.1,0,0.12
 2YWX,LYS_17,10.03,-0.42,0,-0.05
 3ADO,HIS_145,5.95,-2.09,0.85,0.7
 4FZR,GLU_77,4.6,0.1,0,0
 3ASA,GLU_296,4.58,0.11,0,-0.03
 1R3F,ASP_90,3.79,-0.87,-0.46,1.32
 1NAF,LYS_226,10.48,-0.12,0,0.1
 2YXO,GLU_297,4.94,0.22,0,0.21
 3M7G,GLU_123,4.76,0.08,0,0.18
 2RIS,LYS_191,10.59,-0.26,0,0.35
 1WJG,ARG_61,12.47,-0.26,0,0.23
 1O0X,ASP_151,2.75,-1.43,-0.14,0.52
 3RJZ,ARG_60,12.11,-0.55,0,0.15
 1NKD,ASP_45,3.99,0,-0.11,0.3
 2ZCX,TYR_63,10.05,0,-0.42,0.47
 1NJ4,LYS_309,10.46,-0.16,0,0.11
 3T8R,GLU_43,4.6,0.5,-0.15,-0.25
 1P2F,LYS_16,10.67,-0.1,0,0.27
 2V4U,ASP_341,5.28,0.0,17,1.32
 3K8J,LYS_237,10.37,-0.19,0,0.06
 4EKU,LYS_249,10.32,-0.21,0,0.02
 1XIPT,TYR_248,13.07,0.42,0.64,2.21
 2OJQ,ASP_452,4.11,0,-0.31,0.63
 1R3F,TYR_208,13.92,-0.85,0.92,3.85
 3GW3,GLU_315,4.67,0.12,0,0.05
 3GYW,ARG_68,12.5,-0.23,0,0.22
 1TD6,TYR_128,12.88,0.85,0.54,1.49
 4HDE,ARG_188,13.56,-0.39,0.57,0.87
 3CO1,GLU_36,4.68,0.31,0,-0.13
 2E3C,LYS_415,11.48,-0.36,0.67,0.67
 1KCM,GLU_113,3.89,1.89,-1,-1.48
 1GPP,LYS_148,10.27,-0.2,0,-0.02
 3V3T,ASP_41,3.65,-0.05,-0.46,0.37
 2D7J,LYS_140,10.85,-0.34,0,0.68
 1UJ8,HIS_44,7.36,-0.68,1.53,0.02
 2RFA,ARG_134,12.5,-0.31,0.05,0.26
 2O8P,ARG_136,12.3,-0.89,0,0.68
 3F1X,ARG_158,12.36,-0.6,0,0.46
 2ATR,ASP_62,1.66,-2.69,0,0.55
 1V6T,HIS_38,0.97,-3.26,0,-2.27
 4ETX,TYR_427,11.33,0,0.15,1.18
 1AKO,ASP_143,3.89,0,-0.11,0.2
 3OBS,ASP_87,12.91,0,0.09,3.82
 3COC,TYR_315,10.24,0,0.03,0.2
 1F09,ARG_121,12.73,-0.25,0.02,0.47
 1PDB,ARG_70,10.54,-1.96,0,0
 4ETX,ASP_318,3.08,-0.84,-0.23,0.35
 1Z9L,LYS_31,10.4,-0.25,0,0.15
 2FG1,LYS_44,10.58,-0.38,0.2,0.27
 2J8A,LYS_366,10.45,-0.22,0.16,0
 3CIV,HIS_136,6.09,-0.32,0,-0.09
 2GZQ,LYS_11,11.4,-0.36,0.85,0.41
 1R16,TYR_53,12.74,0,0.31,2.43
 2FXT,LYS_330,10.38,-0.12,0,0
 3M7D,ARG_93,12.54,-0.18,0,0.22
 2QZQ,LYS_151,10.49,-0.05,0.05
 4E8B,CYS_115,8.55,-1.83,-0.05,1.42
 2BDD,TYR_128,10.39,0,0.08,0.3
 3G9G,ARG_175,12.67,-0.23,0,0.4
 2D0A,ASP_40,4.02,0,0,0.22
 2P4D,ASP_100,2.15,-2.87,-0.19,1.4
 1R15,GLU_257,5.2,0.96,0,-0.27
 2EJB,HIS_81,6.18,-0.24,0,-0.08
 2YT4,HIS_632,6.41,-0.09,0,0
 4H89,ARG_45,12.45,-0.29,0,0.25
 2X4L,GLU_154,3.63,0.31,-0.85,-0.33
 3K8J,HIS_141,6.26,-0.22,0,-0.02
 1TWU,ARG_27,13.42,-0.39,0.55,0.76
 1ZCE,CYS_134,11.53,-0.26,0.06,2.73
 3C38,GLU_176,4.74,0.24,0,0
 2EFK,ASP_281,3.87,0,0,0.07
 3EVN,TYR_81,10.88,0.32,0.01,0.55
 1AD6,GLU_464,3.32,0.62,-1.42,-0.38
 1FHL,TYR_113,13.24,0,0.16,3.08
 2FZP,GLU_201,4.71,0.15,0,0.07
 2FD5,GLU_72,4.73,0.2,0,0.04
 4AM1,HIS_212,5.41,-1.65,0.83,-0.28
 1VSM,GLU_172,4.43,0.36,0,-0.43
 3HUE,LYS_71,10.45,-0.21,0,0.16
 1AKI,LYS_135,10.73,-0.18,0,0.41
 2X4G,GLU_312,4.63,0.17,0,-0.05
 1ZP2,ARG_61,10.45,-3.11,0.1,0.95
 1DVO,ARG_49,12.29,-0.21,0,0
 4F3J,ASP_137,3.05,-1.15,-0.02,0.41
 1ZP2,HIS_178,6.48,-0.81,0.51,0.28
 3DZ1,ASP_226,4.2,0,-0.11,0.5
 3ODJ,GLU_45,4.83,0.27,0,0.07
 3HUE,LYS_84,10.77,-0.17,0.11,0.32
 3RRQ,ASP_77,4.01,0,-0.05,0.26
 2ZCO,GLU_178,3.87,0.34,-0.85,-0.12
 3K9I,GLU_129,4.48,0.48,-0.36,-0.13
 2D59,LYS_66,10.7,-0.21,0,0.41
 1L3K,GLU_135,4.6,0.3,0,-0.2
 1QYI,GLU_183,3.67,2.64,-2.69,-0.77
 1P2F,ARG_27,12.45,-0.07,0,0.02
 3QKY,GLU_268,3.16,0.55,-1.29,-0.6
 1XEU,HIS_192,6.02,-0.7,0.01,0.2
 4E8B,ASP_72,2.87,-1.04,-0.44,0.55
 2P65,ASP_171,2.76,-1.59,-0.51,1.08
 1QZN,TYR_101,11.92,-0.84,0.64,2.12
 2FM9,LYS_164,10.27,-0.3,0,0.06
 2B78,TYR_356,13.67,0.85,0.52,2.31
 2QEV,LYS_117,10.21,-0.47,0,0.18
 3G6S,LYS_73,10.56,-0.07,0,0.13
 2IQT,GLU_44,4.35,0.17,-0.28,-0.04
 1NAR,LYS_69,11.23,-0.35,0.47,0.61
 3A4C,ARG_526,12.4,-0.1,0,0
 2GZR,TYR_219,9.62,-1.53,0.01,1.13
 1PNE,ARG_88,12.05,-0.49,0,0.04
 3E7P,TYR_244,12.04,0.85,0.44,0.75
 2CYG,LYS_302,10.24,-0.18,0,-0.08
 2CN1,TYR_170,12.48,0.85,0.37,1.26
 2ZQ5,HIS_256,6.66,-1.74,0.96,0.94
 1KN3,LYS_156,10.38,-0.19,0,0.07
 3IL3,GLU_64,4.59,0.23,0,-0.15
 1ZCE,TYR_53,11.66,0,0.11,1.55
 2QK1,TYR_369,12.31,0,0.25,2.05
 1NAR,ARG_73,12.93,-0.26,0,0.69
 2P4D,LYS_87,10.78,-0.17,0,0.45
 3V75,ASP_33,3.49,-0.31,-0.33,0.34
 2RJD,GLU_352,4.43,2.87,-2.71,-0.24
 2B78,LYS_66,10.39,-0.11,0,0
 3FTT,GLU_34,4.06,0.32,-0.39,-0.37
 2IRM,GLU_193,4.57,0.07,0,0
 1WRU,LYS_258,2.95,-1.76,-0.03,0.94
 1Z3X,GLU_123,4.2,0.88,-0.8,-0.38
 1Y0K,ARG_36,12.95,-1.56,0.74,1.27
 2W1R,TYR_62,10.82,0,0,0.82
 3DSH,ASP_323,3.63,-0.84,-0.45,1.11
 3AUF,ARG_94,12.19,-0.38,0,0.07
 1R15,GLU_97,4.59,0.12,0,-0.04
 1J85,LYS_92,9.78,-0.31,0,-0.42
 3BCH,ASP_200,4.08,-0.07,-0.06,0.41
 1V6T,ASP_173,2.53,-1.81,0,0.54
 2BAA,TYR_123,10.58,0,0,0.58
 4DNU,TYR_241,10.22,0,-0.19,0.42
 1XFK,ASP_173,13,-0.36,0.74,0.13
 2Q13,LYS_361,10.73,-0.79,0.66,0.36
 3HKX,GLU_172,4.18,0.51,-0.77,-0.06
 1UAJ,ASP_177,3.72,-0.05,-0.25,0.22
 2Q34,CYS_52,10.71,0,-0.02,1.73
 2WB8,ASP_519,3.99,-0.15,-0.08,0.42
 2RJD,TYR_490,9.2,-0.85,-0.28,0.33
 1TD6,LYS_78,10.31,-0.2,0,0
 1X7F,HIS_213,3.81,-2.72,0,0.03
 1GOE,LYS_292,11.82,-0.68,0.95,1.04
 3RFY,ARG_280,12.65,-0.14,0,0.3
 3MEW,TYR_245,11.34,0.22,0.53,0.59
 3JZN,LYS_332,10.07,-0.77,0.33
 3L3P,GLU_383,5.39,0.83,0,0.06
 3BQW,ARG_119,12.71,-0.67,0.25,0.62
 1X04,HIS_135,6.74,-0.71,0.74,0.21
 2ZQ5,ASP_33,3.25,-0.85,0.04,0.26
 3K1H,CYS_54,12.16,0,0.19,2.97
 3G9G,LYS_169,7.04,-0.24,0.65,0.14
 3ON1,LYS_49,10.14,-0.42,0,0.05
 2J8A,GLU_249,4.19,0.83,-0.71,-0.45
 1UXO,HIS_62,6.8,-0.64,1.05,-0.11
 1EYH,GLU_21,3.85,0.51,-0.98,-0.18
 3LMF,GLU_106,4.06,0.21,-0.1,-0.55
 2PGX,ASP_136,3.1,-1.12,-0.07,0.49
 2R57,CYS_372,13.93,0.57,1.01,3.35
 3PP8,LYS_150,10.48,-0.17,0,0.15
 3CAX,TYR_433,10.06,0,-0.24,0.3
 4ESS,ASP_17,2.35,-1.95,-0.37,0.86
 2CIU,GLU_188,4.18,1.16,-0.98,-0.51
 3ADO,TYR_251,10.47,0,0.11,0.36
 2P0Y,GLU_164,4.1,0.26,-0.45,-0.21
 1TXJ,CYS_14,11.35,-1.18,0.11,3.42
 1MUF,CYS_119,10.4,-0.69,-0.16,2.26
 4H4J,ARG_259,13.73,-1.03,1.61,0.65
 1P1L,GLU_16,4.61,0.3,0,-0.18
 1U7U,ARG_32,11.52,-1.22,0,0.25
 1NAF,LYS_174,11.01,-0.22,0.12,0.62
 3CIV,GLU_257,3.63,0.94,-1.43,-0.38
 3H04,ASP_12,1.03,-2.87,-0.42,0.52
 2RIK,ASP_68,2.91,-2.2,-0.14,1.44

2H85,ASP_183,3.61,-0.14,-0.32,0.26
 2FGG,GLU_22,4.5,0.33,-0.02,-0.32
 2CL3,GLU_70,4.23,0.95,-0.57,-0.65
 2VGM,ASP_241,3.94,0,-0.42,0.55
 3BQW,LYS_222,11.24,-0.35,0.23,0.85
 3LMF,HIS_107,6.4,-0.65,0.47,0.07
 1MUF,CYS_303,11.69,0,0.01,2.68
 3H5T,GLU_330,4.65,0.58,-0.11,-0.33
 2IN0,ARG_96,11.63,-0.93,0,0.06
 1BN6,ASP_93,4.38,0,0.06,0.52
 2XMZ,ARG_73,12.47,-0.22,0,0.18
 1O6D,GLU_147,3.11,0.51,-1.25,-0.65
 1QZN,LYS_117,10.23,-0.37,0,0.11
 3I82,GLU_27,4.61,0.11,0,0
 1Q2Y,TYR_17,10.21,0,0.01,0.2
 2YYO,ARG_34,12.41,-0.18,0,0.09
 1WXQ,TYR_323,13.54,0,0.53,3
 2GZR,ARG_161,12.1,-2.59,0.79,1.4
 1TXJ,GLU_86,4.7,0.2,0,0
 1X7F,GLU_208,4.53,1.55,-0.75,-0.77
 3GW3,HIS_189,5.37,-1.01,0,-0.13
 1WRU,LYS_304,10.39,-0.11,0,0
 3A0X,LYS_723,10.43,-0.18,0,0.12
 2EFK,ARG_222,13.98,-0.33,0.87,0.94
 3ADO,LYS_264,10.45,-0.05,0,0
 2O0K,LYS_192,10.34,-0.2,0,0.03
 2CL3,LYS_182,10.5,-0.14,0,0.13
 1NUJ,ARG_257,11.02,-3.37,1.04,0.85
 2OJQ,GLU_442,4.7,0.2,0,0
 3OKQ,LYS_632,10.51,-0.17,0,0.18
 3LJI,TYR_290,10.53,0,0.1,0.43
 3F6F,LYS_188,11.02,-1.14,0.85,0.81
 1O0X,ASP_122,1.12,-2.72,-0.51,0.55
 1RL0,GLU_199,4.23,0.66,-0.73,-0.2
 2H85,LYS_264,10.75,-0.18,0.08,0.35
 2GZQ,LYS_106,10.17,-0.12,0,-0.21
 3M70,ASP_251,2.68,-1.12,-0.62,0.62
 3BWT,LYS_751,10.4,-0.11,0,0.01
 3Q2C,TYR_35,10.33,-0.64,-0.02,1
 4DVD,GLU_56,4.53,0.42,0,-0.39
 1YLN,GLU_142,4.62,0.18,0,-0.05
 1V43,ASP_357,4.19,-0.66,-0.02,1.07
 3AU3,ARG_499,12.31,-0.66,0,0.47
 3P29,LYS_167,10.53,-0.32,0,0.34
 2P65,ASP_112,4.08,0,0.28
 2JEO,ARG_22,12.69,-0.26,0.12,0.34
 2QOP,GLU_111,5.19,1.72,-0.2,-0.83
 1QQH,ASP_205,2.71,-1.37,-0.09,0.37
 2XWS,ASP_81,2.42,-1.49,-0.41,0.52
 2HP7,ASP_108,2.99,-1.21,0,0.41
 1ZCE,ASP_60,4.65,-0.05,-0.24,1.13
 4EVF,GLU_277,4.54,0.23,0,-0.18
 1PVT,LYS_167,10.62,-0.15,0,0.27
 4ECC,GLU_104,3.53,0.27,-0.71,-0.53
 1SJJ,HIS_3,6.41,-0.09,0,0
 3L7N,TYR_105,9.43,-1.7,0.5,0.63
 1AK1,HIS_28,5.17,-0.84,0.01,-0.51
 2CWC,ARG_295,12.17,-0.44,0,0.11
 1SFE,ARG_72,12.14,-0.37,0,0.01
 3CN5,ASP_241,2.64,-1.7,-0.86,1.38
 3UOV,CYS_87,9.6,-0.31,-0.17,1.08
 2VAN,CYS_239,12.6,0,-0.18,3.78
 3CNU,LYS_54,11.78,-0.33,0.85,0.75
 3AUF,ARG_30,12.17,-0.26,0,-0.07
 3EAZ,LYS_137,10.52,-0.19,0,0.21
 3QAV,GLU_27,4.63,2.58,-1.69,-0.77
 1S7K,HIS_62,5.2,-1.98,0.94,-0.26
 1SJB,ASP_515,3.13,-0.73,-0.31,0.37
 1QQH,LYS_66,10.46,-0.05,0,0
 3ONH,TYR_471,13.45,0.02,9,3.16
 3BCY,HIS_83,5.83,-0.42,0,-0.25
 2PGE,ARG_74,12.42,-0.12,0,0.04
 4F3J,TYR_136,12.27,-0.73,0.14,2.85
 3ULX,LYS_123,10.34,-0.16,0,0
 3RKV,ARG_220,12.85,-0.29,0.38,0.25
 1JT9,ARG_253,12.5,-0.12,0,0.12
 1NRI,CYS_110,9.13,-0.09,0.04,0.18
 1YMS,ASP_169,2.76,-1.34,-0.15,0.44
 2CBE,HIS_3,6.11,-0.11,0,-0.27
 3Q9P,ASP_93,4.07,0,0,0.27
 3ULX,ASP_141,2.95,-0.73,-0.44,0.33
 3M3P,LYS_238,10.22,-0.19,0,-0.09
 1GVPT,TYR_56,10.45,-1.02,0.11,1.36
 3BA1,ARG_118,13.3,-1.26,1.41,0.64
 2ZCO,TYR_75,10.31,0,0,0.31
 2QEV,GLU_25,3.73,0.52,-0.85,-0.43
 1Y2Q,LYS_128,12.4,-0.59,1.7,0.79
 3BQW,GLU_24,4.08,0.72,-0.75,-0.38
 2D59,LYS_77,10.38,-0.16,0,0.04
 1CBY,HIS_30,6.32,-0.18,0,0
 3GMS,GLU_272,4.72,0.33,0,-0.1
 1YW5,ARG_94,12.44,-1.04,0.36,0.63
 2QEV,GLU_130,4.7,0.2,0,0
 2P5D,TYR_31,10,-0.03,-0.38,0.41
 2A6B,LYS_101,10.5,0,0,0
 2O8I,GLU_23,4.01,0.34,-0.61,-0.22
 2WZO,CYS_451,12.69,0.02,3,6.67
 3H8Y,GLU_89,3.94,0.41,-0.39,-0.58
 3OOP,GLU_101,5.04,0.72,0,-0.19
 3IDW,GLU_7,4.55,0.24,-0.37,0.17
 2P52,GLU_204,4.51,0.3,0,-0.29
 3ANJ,TYR_383,12.94,-0.42,0.05,3.31
 1G8P,GLU_125,4.83,0.3,-0.27,0.3
 1WP5,TYR_131,11.97,0.85,0.58,0.54
 1XIP,GLU_83,4.33,0.37,-0.16,-0.37
 1MJS,LYS_340,11.34,-0.44,0.85,0.43
 1PDB,ASP_141,4.09,-0.04,0,0.33
 3U2R,LYS_94,10.66,-0.17,0,0.33
 3E5T,ASP_196,3.41,-0.75,-0.45,0.82
 2Z61,HIS_33,8.19,-1.12,1.61,1.2
 3BJV,HIS_11,6.21,-0.22,0,-0.06
 3H13,GLU_414,4.66,0.23,0,-0.07
 2CXA,CYS_228,9.29,-0.35,-0.14,0.77
 1R2Z,TYR_40,9.94,0,-0.14,0.08
 2H14,TYR_228,9.71,-0.35,-0.28,0.34
 2A6B,GLU_36,3.24,0.82,-1.65,-0.42
 2O0K,GLU_16,4.94,0.44,0,0
 2OYZ,GLU_43,5.71,1.49,-0.3,0.03
 2X4G,ARG_233,13.53,-0.36,0.26,1.13
 2VAN,GLU_144,2.42,0.67,-2.22,-0.52
 2BLL,GLU_407,4.74,0.31,0,-0.07
 1MUF,ASP_88,3.91,0,0,0.11
 4H89,ARG_168,12.1,-0.63,0,0.23
 2V4U,ARG_411,11.88,-1.14,0.04,0.48
 1G8P,GLU_346,3.79,0.35,-0.85,-0.21
 1L2F,GLU_264,4.47,2.19,-1.13,-1.1
 2ATR,HIS_40,6.28,-0.22,0,0
 1UCH,GLU_40,4.59,0.09,0,0
 3ANJ,TYR_391,10.7,0.11,0.07,0.53
 3IU5,ASP_62,1.97,-2.04,-0.54,0.75
 1UCH,ASP_79,3.87,0,-0.09,0.15
 1O5J,LYS_13,11.2,-0.35,0.68,0.37
 4EVF,ARG_187,11.79,-0.67,0,-0.04
 2NYC,TYR_316,10.39,0.0,0.39
 1TJE,HIS_89,6.33,-0.28,0,0.11
 1RIS,CYS_223,11.02,0.26,0.64,1.11
 4EVF,ARG_278,13.69,-0.3,0.55,0.94
 2B2H,HIS_305,3.4,-3.1,0,0
 3EOH,LYS_51,10.32,-0.31,0,0.13
 1WP5,GLU_295,4.77,0.31,-0.18,0.14
 1UJ8,ASP_49,4.03,0,-0.02,0.24
 2EJB,GLU_26,4.7,0.25,0,-0.05
 1O59,GLU_78,4.54,0.06,0,-0.02
 3HKX,ARG_112,11.11,-1.6,0,0.21
 3ELI,ASP_121,3.57,-0.62,0.03,0.36
 3JZ9,LYS_464,11.46,-0.57,0.85,0.68
 1WOU,CYS_110,11.58,-0.05,0.16,2.46
 2XWS,ARG_123,12.43,-0.07,0,0
 2D59,ASP_37,4.14,0,-0.09,0.45
 3A2Z,LYS_127,10.6,-0.12,0,0.22
 1W7B,TYR_24,9.83,0,-0.28,0.12
 3GOZ,TYR_259,11.14,0,0.44,0.7
 2OGQ,CYS_544,9.65,-0.93,-0.01,1.59
 2IXM,HIS_308,4.95,-0.94,0,-0.61
 3FHF,GLU_91,4.35,0.29,0,-0.43
 2NMU,CYS_45,11.66,0.04,2.62
 1YLN,ARG_194,12.57,-0.15,0,0.22
 3LOD,GLU_13,3.74,0.41,-1.05,-0.11
 1JT9,ARG_18,12.15,-0.83,0,0.48
 1RL0,LYS_254,10.26,-0.3,0,0.07
 3G5S,LYS_29,10.39,-0.11,0,0.01
 1J33,HIS_271,5.5,-1.73,0.66,0.09
 3GW3,ARG_247,12.11,-0.61,0,0.22
 1SQW,LYS_53,10.61,-0.17,0,0.28
 1XAW,TYR_432,10.87,-0.53,0.09,1.3
 1U3Y,ASP_271,3.88,0,-0.26,0.34
 2P52,GLU_283,3.06,0.84,-1.65,-0.62
 1SJB,ARG_589,12.31,-0.39,0,0.2
 2YLF,CYS_221,11.97,-0.05,-0.02,3.04
 3LH5,GLU_530,3.68,0.47,-1.06,-0.24
 3AU3,LYS_670,10.33,-0.17,0,0
 1VJG,HIS_173,6.4,-0.19,0,0.09
 1R3D,HIS_78,5.52,-1.0,0.02,0
 2QEV,ASP_67,1.64,-2.02,-0.7,0.56
 2IRM,TYR_34,11.48,-0.52,-0.71,2.72
 2P65,ARG_32,12.38,-0.12,0,0
 1SUU,ARG_735,12.31,-0.4,0,0.21
 2C13,LYS_252,10.25,-0.25,0,-1.39E-17
 3F1X,LYS_40,10.45,-0.05,0,0
 1KCM,ASP_238,3.99,0,-0.14,0.33
 2POL,ASP_257,3.46,-0.41,-0.12,0.2
 2B78,TYR_286,10.45,-1.7,0.01,2.14
 3ZTA,GLU_23,4.12,0.32,-0.32,-0.38
 4FZR,GLU_251,4.89,0.83,-0.02,-0.42
 2DOA,TYR_46,11.88,-0.01,0.21,1.68
 2B61,TYR_252,10.0,-0.15,0.15
 1G8P,ARG_230,12.92,-0.68,0.8,0.3
 2HXB,ASP_135,3.98,-0.01,0.01,0.18
 2VAN,TYR_322,11.1,0,0.29,0.79
 2PWQ,ASP_28,3.86,0,-0.13,0.19
 1XAW,LYS_444,10.46,-0.18,0,0.15
 1R3F,LYS_176,10.62,-0.17,0,0.28
 1TUL,CYS_90,9.39,0,0,0.39
 1RHS,ARG_146,12.4,-0.16,0,0.06
 3ASA,ASP_42,3.86,-0.78,-0.29,1.13
 1O17,LYS_25,10.32,-0.18,0,0
 3BB7,TYR_212,10.4,0,-0.09,0.49
 3F5D,CYS_100,11.83,-0.09,1.15,1.78
 1ZBP,HIS_73,6,-0.38,0.06,-0.18
 3CX5,TYR_170,12.24,-0.85,0.1,2.99
 2AD1,CYS_26,10.17,-0.41,0.17,1.41
 3HKX,ASP_255,3.56,-0.84,-0.4,0.1
 1XDZ,LYS_13,10.22,-0.48,0,0.2
 4GA2,GLU_136,4.78,0.21,0,0.07
 4EKU,ASP_100,3.42,-0.3,-0.51,0.42
 3ZSL,HIS_217,5.85,-0.51,0,-0.14
 3COU,GLU_119,4.12,0.51,-0.75,-0.14
 3IRA,TYR_91,11.8,0,0,1.8
 3UOV,GLU_189,3.81,0.66,-0.97,-0.38
 1XTZ,HIS_262,6.8,-0.21,0.71,-0.19
 1FQI,LYS_283,10.49,-0.01,0,0
 4DEZ,ASP_72,3.95,0.01,0.15
 1O17,GLU_208,5.71,1.5,0,-0.27
 3CAN,GLU_53,3.9,0.35,-0.5,-0.45
 2F4Q,ASP_276,4.26,0,0.02,0.45
 3IVF,LYS_106,10.74,-0.29,0,0.54
 3G9T,LYS_16,10.42,-0.12,0,0.05
 1L2F,GLU_158,4.33,0.36,-0.16,-0.37
 3E7P,CYS_18,10.94,-0.09,0.26,1.77
 2GZQ,ASP_48,3.56,0,-0.47,0.23
 3DZ1,GLU_175,3.3,0.29,-1.11,-0.38
 1WLY,ARG_269,12.02,-0.58,0,0.11
 3GG6,ARG_37,12.47,-0.03,0,0
 4E2B,ASP_161,2.56,-1.28,-0.38,0.41
 3PBH,ARG_40,11.6,-1.07,0,0.17
 2DFL,ASP_70,3.82,0,-0.26,0.27
 3CAN,GLU_22,4.77,0.16,0,0.11
 2ILR,CYS_421,9.96,-0.85,-0.27,2.08
 3LD1,CYS_20,11.11,-0.53,-0.05,2.69
 1RAJ,LYS_250,10.59,-0.16,0,0.24
 2VAN,GLU_335,4.8,0.13,0,0.17
 3RUX,HIS_264,4.37,-2.13,0,0
 2IQT,GLU_281,4.72,0.32,0,-0.1
 2R51,ARG_60,12.96,-0.2,0.06,0.6
 1PVT,ARG_226,12.42,-0.08,0,0
 4HDE,LYS_88,10.64,-0.16,0,0.3
 2QVT,ASP_60,2.68,-2.32,-0.12,1.31
 2R57,CYS_277,9.19,-0.25,0.02,0.43
 2EOT,TYR_166,11.97,0,0.07,1.91
 2H2W,GLU_208,3.68,0.42,-0.6,-0.64
 2DFL,LYS_137,10.33,-0.21,0,0.04
 1WNH,ARG_214,12.45,-0.35,0,0.3
 2Y2T,ARG_32,12.27,-0.4,0,0.16
 1DUN,ASP_26,3.09,-0.83,-0.22,0.34
 3M66,ARG_302,12.28,-0.24,0,0.02
 3OOP,LYS_75,10.78,-0.78,0.69,0.38
 3LJC,GLU_62,4.11,0.27,-0.23,-0.42
 2JHY,HIS_157,5.41,-0.51,0,-0.58
 2EDM,ASP_158,2.82,-0.85,-0.46,0.33
 3EYE,CYS_86,12.69,0.12,3.58
 1ZBM,ARG_102,12.64,-0.19,0,0.34
 1L3K,ARG_146,12.31,-0.31,0,0.12
 3ASA,TYR_327,10.79,-0.85,-1.25,2.89
 2NRK,LYS_167,11.54,-0.27,0.83,0.47
 1Q5Z,ARG_321,12.4,-1.55,0.74,0.72
 1TR9,LYS_236,10.31,-0.1,0,-0.09
 3IDW,CYS_19,10.49,-0.03,0.21,1.32
 2EEY,GLU_116,6.33,2.31,-0.58,0.1
 3L7N,TYR_34,11.15,0,0.15,1.01
 4H4J,ASP_136,2.99,-0.85,-0.41,0.46
 4EB8,HIS_15,7.12,-0.29,0.74,0.17
 3CX5,CYS_45,9.72,-1.64,0.41,1.96
 2YWJ,LYS_118,11.61,-0.34,0.85,0.6
 3FWU,ARG_61,12.63,-0.31,0,0.44
 2G9D,LYS_304,10.64,-0.54,0.33,0.36
 3EZ7,ARG_217,13.21,-0.23,0.39,0.54
 2V5B,GLU_186,4.8,0.43,0,-0.14
 2NRR,GLU_464,4.93,0.43,0,0
 1X8F,ASP_32,3.45,-0.32,-0.28,0.26
 3L3P,ARG_378,13.09,-1.33,1.26,0.66
 1S17,GLU_97,4.56,0.06,0,0

3K8J,ASP_166,2.81,-1.29,-0.59,0.89
3BQW,ASP_321,3.93,0,0,0.13
3RLN,TYR_591,10.99,0,-0.1,1.09
1Z9L,GLU_124,4.51,0.23,0,-0.21
3GYW,ARG_222,12.28,-0.37,0,0.14
2B61,HIS_130,6.11,-0.39,0,0
1NJ4,LYS_253,11.3,-0.45,0.85,0.39
2Q13,ARG_171,12.21,-0.34,0,0.05
2FL4,GLU_44,4.85,0.49,-0.1,-0.04
2HRZ,ASP_124,2.47,-1.32,-0.52,0.51
2EEY,GLU_95,4.55,0.07,0,-0.02
1PNE,TYR_6,10.52,0,0.17,0.34
2YLF,ARG_70,12.06,-0.44,0,0
1L3K,CYS_43,11.44,0,0.18,2.25
1YR6,ARG_227,13.45,-0.45,0.78,0.64
1O17,LYS_226,11.39,-0.29,0.8,0.38
1MML,TYR_222,10.14,-0.26,0,11,0.29
3E7P,ARG_225,13.23,-0.1,0.46,0.37
1M5I,ASP_149,2.97,-0.77,-0.38,0.32
2B3M,LYS_16,10.51,-0.26,0,0.27
1NRI,GLU_31,3.9,0.33,-0.63,-0.3
1YR6,GLU_62,3.05,0.51,-1.58,-0.38
1WXF,GLU_239,4.5,1.4,-0.8,-0.54
3RKV,GLU_192,3.67,0.25,-0.75,-0.33
1BKB,LYS_60,10.37,-0.16,0,0.02
3T57,LYS_159,10.61,-0.49,0,0.61
3ELI,HIS_147,6.83,-0.23,0.26,0.3
4FZR,GLU_83,4.5,0.35,0,-0.36
2Q5X,GLU_796,4.8,0.3,0,0
1DOV,LYS_186,11.3,-0.29,0.71,0.38
4DND,GLU_101,4.47,0.21,0,-0.24
3K8J,GLU_224,3.85,0.38,-0.67,-0.35
1N81,LYS_68,10.36,-0.28,0,0.14
1BN6,ARG_32,12.65,-0.43,0.04,0.55
1PGV,GLU_290,4.4,0.37,-0.42,-0.05
1ZYL,GLU_155,4.91,0.82,0,-0.41
4ANN,LYS_41,10.45,-0.12,0,0.08
3BA1,GLU_69,2.89,0.98,-1.8,-0.79
1MHN,GLU_134,2.78,0.8,-2.55,0.03
2XJ4,LYS_35,11.09,-0.4,0.23,0.76
3TOW,HIS_195,4.86,-1.11,0,-0.52
3GFP,ARG_432,12.04,-0.39,0,-0.07
1UCH,TYR_137,11.16,0,0.27,0.89
3EUR,ASP_85,4.07,0,-0.44,0.7
1RAJ,ASP_412,3.66,0,-0.43,0.29
1SJB,LYS_592,11.01,-0.46,0.52,0.46
2QV2,GLU_26,5.26,0.91,0,-0.16
3ELI,HIS_37,6.17,-0.33,0,0
1MN3,GLU_451,4.63,0.13,0,0
2VGM,LYS_124,9.96,-0.54,0,0
3CSR,ASP_149,3.07,-0.72,-0.3,0.3
3L0D,LYS_149,10.63,-1.06,0.79,0.41
3MEW,TYR_273,10.62,0,0.27,0.35
1A8Q,LYS_130,10.6,-0.14,0,0.24
1LN4,ASP_55,2.8,-1.29,-0.03,0.32
4H86,ASP_84,3.59,-0.76,-0.27,0.82
2YLF,ASP_138,4.14,0,-0.08,0.42
2B61,LYS_349,11.41,-0.29,0.85,0.35
3UX2,GLU_51,3.47,0.41,-1.11,-0.32
2POL,ASP_214,3.37,-0.78,-0.09,0.44
3I82,LYS_29,10.44,-0.06,0,0
1SBX,CYS_153,7.7,-3.6,0.26,2.03
2CVB,TYR_79,9.72,-0.04,-0.64,0.39
3CX2,ASP_152,3.88,0,-0.06,0.14
2RGY,LYS_169,10.61,-0.27,0,0.38
1J7G,LYS_95,10.57,-0.38,0,0.45
3H13,CYS_310,12.42,0,0.3,4.2
1X6J,GLU_48,4.53,0.22,0,-0.18
3E5T,HIS_197,6.61,-2.73,1.7,1.13
1X7F,ASP_293,3.29,-0.71,-0.11,0.31
2ATR,GLU_35,4.82,0.19,0,0.12
1YB2,HIS_211,5.52,-1.59,0.09,0.53
1WPS,LYS_124,10.83,-0.2,0,0.52
3ONT,LYS_10,10.43,-0.07,0,0
1XIP,GLU_11,4.84,0.44,-0.05,-0.04
3O48,GLU_107,4.9,0.64,-0.03,-0.22
2CN1,ASP_128,3.82,0,-0.2,0.22
2BV9,ARG_143,12.11,-0.82,0,0.43
1RWZ,ASP_62,2.76,-0.85,-0.45,0.26
3C2E,GLU_61,4.32,1.38,-1.14,-0.41
1K95,ARG_186,13.01,-0.85,0.59,0.77
1C44,LYS_14,10.3,-0.31,0,0.11
4DEZ,GLU_123,5.03,0.2,0.0,0.34
1C3K,HIS_91,6.4,-0.1,0,0
1T07,GLU_41,3.53,0.44,-0.85,-0.55
1AKO,ASP_40,3.26,-0.45,-0.32,0.23
2Q13,LYS_193,10.31,-0.19,0,0.01
3IBT,GLU_141,4.47,0.14,0,-0.17
3MTT,GLU_537,4.76,0.27,0,-0.01
2QDJ,LYS_294,10.33,-0.17,0,0
2EHG,LYS_40,10.38,-0.13,0,0.02
1YTO,GLU_166,4.56,0.25,0,0
4F8A,LYS_679,10.47,-0.15,0,0.11
3M66,ARG_365,11.9,-2.07,0.82,0.64
3U2A,GLU_105,4.71,0.21,0,0
3OKQ,CYS_643,9.39,0,0.1,0.29
2QVO,LYS_53,10.47,-0.25,0,0.22
1F09,GLU_298,3.95,0.36,-0.74,-0.17
2A6B,TYR_55,12.35,0.59,0.59,1.17
4EVF,ASP_275,3.22,-1.31,-0.19,0.91
4FH3,ARG_78,13.92,-0.38,0.75,1.05
3UC9,GLU_171,4.13,0.55,-0.41,-0.52
1TWU,LYS_36,10.3,-0.21,0,0.01
2W0G,LYS_202,10.82,-0.18,0.2,0.3
2X4G,GLU_71,4.81,0.36,0,-0.04
2NMM,ARG_12,13.54,-0.37,0.81,0.6
4F8A,CYS_658,9.5,-0.12,-0.26,0.88
1X6J,ASP_38,3.82,0,-0.23,0.25
1Q42,TYR_88,11.39,0.63,0.3,0.46
2POL,ASP_223,4.25,0.0,0.03,0.42
3EVZ,LYS_226,10.19,-0.21,0,-0.1
2DG7,ARG_117,12.22,-0.98,0.1,0.59
3ELI,ASP_44,4.05,-0.05,-0.42,0.72
1JYH,GLU_8,4.41,1.03,-0.62,-0.5
2VGM,LYS_45,9.5,-0.93,0,-0.07
3I47,LYS_13,10.12,-0.25,0,-0.13
1ZBP,LYS_59,10.47,-0.09,0,0.05
1EQ6,HIS_210,6.1,-0.32,0,-0.08
3LH5,TYR_669,12.3,0.23,2.07
3GEC,TYR_414,12.06,0,-0.07,2.13
3HOX,LYS_93,10.13,-0.48,0,0.1
1AD6,GLU_413,4.57,0.1,0.0,-0.03
2P5D,LYS_142,10.65,-0.15,0,0.31
1X9G,LYS_26,10.52,-0.07,0,0.09
3TMO,LYS_211,11.21,-0.55,0.85,0.41
2R51,LYS_180,11.3,-0.91,0.85,0.86
3M7D,ARG_37,12.55,-1.67,0.54,1.17
3CS1,ASP_177,2.84,-1.62,0,0.66
1XTZ,HIS_263,8.15,-0.43,1.7,0.38
3I82,ARG_35,12.02,-0.43,0,-0.05
1R9W,ARG_349,13.52,-0.14,0.85,0.31
3V46,ARG_369,13.4,-1.11,1.26,0.75
2GZQ,GLU_13,4.11,0.56,-0.45,-0.5
3LJI,GLU_74,5.83,3.27,-0.53,-1.41
3N2T,LYS_245,10.32,-0.23,0,0.05
1FKM,ARG_310,12.25,-0.28,0,0.03
2V81,LYS_142,9.93,-0.73,0,0.16
2FBI,CYS_101,9.81,0,-0.09,0.9
3H6Q,TYR_93,11.74,0,0.63,1.09
2HRZ,ARG_309,11.64,-0.9,0,0.04
1QQE,GLU_73,4.41,0.31,-0.04,-0.37
3EOD,ARG_20,12.25,-0.45,0,0.2
2W0G,LYS_242,11.31,-0.42,0.85,0.38
2R4Q,ASP_233,3.31,-0.81,-0.17,0.48
4ANN,LYS_180,10.44,-0.06,0,0
1NIJ,LYS_254,10.26,-0.36,0,0.12
1CBY,GLU_112,4.77,0.2,0,0.06
3V4G,ARG_22,13.28,-0.38,0.72,0.44
2A0J,GLU_18,4.36,0.14,-0.01,-0.27
3M70,ARG_199,12.24,-0.48,0,0.22
2PGE,TYR_351,12.77,0.048,2.3
2FL7,LYS_202,10.44,-0.06,0,0
1R3F,GLU_235,4.77,0.27,0,0
1ZHV,CYS_65,12.51,-0.03,0.3,5.4
3K8U,LYS_17,12.66,-0.83,0.45,4.04
2OJQ,LYS_638,10.53,-0.15,0,0.18
1OIS,TYR_270,11.02,0.017,0.85
3LD1,LYS_335,10.14,-0.2,0,-0.15
2AXO,ARG_106,13.53,-0.35,0.95,0.43
1J74,ASP_99,3.56,-0.46,-0.38,0.6
2QEV,GLU_20,3.98,0.47,-0.66,-0.33
3TMO,CYS_247,10.67,0.0,0.28,1.39
3FHF,LYS_6,10.58,-0.23,0,0.31
2OOK,HIS_264,6.4,-0.22,0,0.12
2FGG,ASP_46,4.11,-0.05,-0.08,0.44
1ANU,ASP_133,3.88,-0.8,-0.03,0.92
2Q12,LYS_63,10.54,-0.11,0,0.15
3H5T,HIS_143,4.55,-1.95,0.09,-0.1
3TIR,ARG_100,12.02,-0.3,0,-0.18
1UJ8,TYR_30,10.52,0.08,0.44
2P5D,TYR_72,10.02,-0.85,-0.45,1.32
4CJ,ASP_698,3.99,0,-0.08,0.27
1BCF,LYS_73,10.46,-0.04,0,0
1X04,HIS_125,6.85,-0.35,0.68,0.02
1J74,LYS_66,10.25,-0.26,0,0.01
3GMS,ARG_287,12.29,-0.36,0,0.16
2FZP,GLU_245,4.5,0.85,-0.57,-0.28
1ZCU,ASP_129,3.98,0,-0.07,0.25
1XKR,GLU_104,4.59,0.06,0.03
3CAN,ARG_127,13.83,-0.47,1.14,0.67
1QQE,GLU_237,3.9,0.61,-0.85,-0.35
1DUP,ASP_6,3.82,0,-0.17,0.19
2IF4,GLU_102,4.86,1.95,-0.82,-0.77
1OTM,LYS_102,10.56,-0.41,0.16,0.3
2RIS,LYS_186,10.34,-0.18,0,0.02
3BB7,ASP_248,4.87,0.0,0.16,0.9
1YLN,HIS_64,6.23,-0.24,0.1,-0.13
3EVN,ARG_25,12.19,-0.57,0,0.27
2IIA,TYR_51,11.41,0,0.02,1.38
3N2T,GLU_254,5.23,0.46,0.27
1UOH,GLU_186,4.47,0.27,0,-0.3
2YLF,GLU_127,4.22,0.41,-0.74,0.06
2NRK,CYS_31,10.54,-0.15,-0.21,1.89
1O17,TYR_53,10.75,0.03,0.73
4E9E,TYR_566,13.15,0.035,2.81
1EW4,GLU_85,4.85,0.28,0,0.07
2ZOM,ARG_255,11.87,-0.65,0.0,0.02
3BB7,LYS_146,10.46,-0.04,0,0
2B78,HIS_283,6.36,-0.14,0,0
3CAX,LYS_223,10.7,-0.23,0.11,0.32
3CIV,GLU_81,4.6,0.18,0,-0.08
3EVZ,GLU_82,3.02,1.45,-2.51,-0.42
1JYH,LYS_6,10.77,-0.18,0,0.46
2PLQ,HIS_281,6.15,-0.58,0.36,-0.13
3LJI,GLU_261,4.65,0.15,0,0
4EUG,HIS_67,6.44,-0.52,0.33,0.12
3CJW,GLU_225,4.46,1.08,-0.81,-0.3
1X9G,LYS_147,10.4,-0.1,0,0
4E9E,GLU_533,3.39,0.5,-1.53,-0.08
3L7N,ASP_196,3.76,-0.26,0,0.22
2RIS,ARG_177,12.7,-0.29,0,0.48
2DFL,LYS_289,10.02,-0.28,0,-0.2
3CXS,ASP_83,4.22,-0.05,-0.52,0.99
1RIS,ARG_162,11.76,-0.83,0,0.1
1TR9,GLU_232,4.27,0.41,-0.57,-0.08
1PSW,ASP_150,3.6,-0.39,-0.38,0.57
1NKD,LYS_3,10.41,-0.09,0,0
2WB8,LYS_727,10.42,-0.1,1,0.01
2X4G,ARG_44,12.11,-0.39,0,0.01
3EUR,CYS_40,8.13,-1.52,0,0.65
3HQX,TYR_18,10.32,0.07,0.24
3NBI,GLU_200,4.7,0.27,0,-0.07
2BCF,GLU_82,3.86,0.52,-0.85,-0.31
3CSR,TYR_153,10.21,0,-0.18,0.39
2D2S,LYS_721,10.44,-0.06,0,0
2FZ4,TYR_87,10.56,0.041,0.15
2OGQ,ARG_584,12.42,-0.34,0.02,0.24
1VSM,ASP_165,2.87,-0.64,-0.69,0.4
1XEU,LYS_262,10.06,-0.38,0,-0.06
4E8B,GLU_160,3.76,1.37,-2,-0.12
1PVT,LYS_176,11.75,-0.48,0.68,1.06
2FC3,ASP_56,3.33,-1.1,-0.49,1.11
3ONT,LYS_64,10.47,-0.42,0,0.38
2CW4,GLU_116,5.6,1.1,0,0
2YXO,ARG_70,11.97,-0.87,0.34
2NMM,CYS_128,7.67,-2.01,0.17,0.5
1O17,GLU_196,3.5,0.28,-0.8,-0.47
3G9G,ASP_197,3.93,0,-0.15,0.28
2EFK,ASP_26,2.98,-1.6,-0.47,1.25
2CXV,LYS_67,10.37,-0.13,0,0
2A4D,TYR_189,10.19,0,-0.16,0.35
1AK1,TYR_253,13.93,-0.85,1.2,3.59
1T95,ARG_238,13.08,-0.37,0.52,0.44
2YWJ,ARG_31,12.42,-0.47,0.39
1AK1,ASP_228,3.95,0,-0.13,0.28
3G6S,LYS_235,11.13,-0.82,0.62,0.84
1X9G,HIS_7,6.58,-0.79,0.63,0.24
2Q07,TYR_272,10.79,-0.63,0.01,1.4
2FL7,ARG_195,12.69,-0.37,0,0.56
1OIS,GLU_335,3.12,0.54,-1.5,-0.42
3CGW,GLU_185,4.49,0.59,-0.35,-0.24
3M9A,LYS_97,10.58,-0.12,0.0,0.21
3MTT,ARG_587,12.36,-0.14,0,0
3ETU,TYR_82,9.96,-0.85,0.27,0.54
1XAW,ASP_479,2.85,-0.92,-0.38,0.35
3K1H,ASP_66,3.97,0,-0.01,0.19
3QAV,ARG_55,12.54,-0.1,0,0.14
3P2F,ASP_50,2.52,-1.32,-0.35,0.39
2P0Y,ARG_214,12.41,-0.21,0,0.12
2AD1,ASP_278,3.41,-0.85,-0.76,1.22
4H4J,CYS_63,11.45,-0.58,0.75,2.27
1H09,TYR_287,11.11,0.037,0.74
3GV0,GLU_319,4.77,0.29,0,-0.02
2ZQ5,GLU_375,3.81,0.29,-0.79,-0.2
3GG6,GLU_110,4.65,0.2,0,-0.05
2R57,CYS_288,9.17,-0.08,0.0,0.26
3T57,GLU_147,4.76,0.49,-0.03,-0.19
1JSX,HIS_110,6.45,-0.15,0,0.11
1V43,GLU_297,3.69,0.42,-0.76,-0.47
2QHT,GLU_26,3.76,0.34,-0.72,-0.35
3L3P,ASP_388,3.41,-0.56,-0.22,0.4
3FKS,CYS_123,12.07,-0.2,0.15,3.13
1J85,ARG_43,13.16,-0.24,0.53,0.37
2RJD,LYS_408,10.35,-0.26,0,0.11
1MTZ,ASP_73,2.59,-1.34,-0.13,0.26
1MHN,LYS_93,10.86,-0.15,0.17,0.34

1ZCU,ARG_116,12.03,-0.52,0,0,04
1OLR,CYS_216,13.03,-0.37,0.37,4,03
3GEC,LYS_512,10.24,-0.49,0,0,23
3JRT,ASP_20,4.14,0,-0.11,0,45
2Q07,LYS_432,10.38,-0.13,0,0,01
1AK1,ARG_128,12.4,-1.23,0,4,0,72
2F8H,ASP_205,4.05,0,0,0,25
2Q12,LYS_172,10.4,-0.1,0,0,0
3G6S,ARG_214,12.94,-0.37,0,3,0,52
1RKA,LYS_215,11.39,-0.39,0,85,0,53
2F4Q,ARG_74,12.46,-0.16,0,0,12
2R51,LYS_23,10.11,-0.29,0,-0.11
4AM1,GLU_87,4.85,0.37,0,-0.02
2FXT,ARG_272,12.23,-0.27,0,0
2F8H,ARG_174,12.96,-0.34,0.59,0,21
3VHJ,TYR_16,10.85,0,0,0,85
1EDG,ASP_92,3.36,-0.59,-0.19,0,34
3ADO,TYR_200,10.4,0,0.13,0,27
3TRE,HIS_83,6.13,-0.6,0,0,23
2QZQ,LYS_78,10.18,-0.54,0,0,22
2YLF,GLU_122,4.96,1.31,-0.07,-0.24
2YT4,TYR_530,12.23,0.06,2,15
2WOZ,HIS_493,5.68,-1.57,0,85,-0.1
1O59,GLU_255,4.7,0.29,0,-0.09
1TJE,ASP_54,3.36,-0.67,-0.19,0,41
3N2T,ASP_310,3.69,-0.66,-0.51,1,06
1BN6,ASP_277,3.53,-0.73,0,0,47
3T8R,LYS_20,10.29,0.26,0,0,05
2Q5X,ARG_840,12.59,-0.16,0,0,25
1VSM,LYS_191,10.47,-0.33,0,0,3
3F53,LYS_51,10.88,-0.17,0.17,0,38
4DIU,TYR_137,11.11,0,0,2,0,91
2F9F,ARG_162,13.23,-0.28,0.53,0,48
3HYQ,LYS_149,10.15,-0.16,0,-0.19
3LJC,LYS_218,10.21,-0.22,0,-0.07
4AF2,ASP_57,3.4,-0.47,-0.38,0,45
2F8H,ASP_149,3.98,0,-0.13,0,32
3B21,CYS_70,12.69,0,0,3,69
3V5S,LYS_557,10.6,-0.3,0,0,41
2BAA,TYR_125,12.79,-0.82,-0.55,4,17
2EFK,ASP_218,3.53,-0.3,-0.26,0,28
1DUP,ASP_32,3.94,-0.05,-0.66,0,86
2VAN,ASP_321,4.27,0,0.16,0,32
3RE9,GLU_242,4.54,0.04,0,0
3ZXY,ASP_92,2.65,-1.23,-0.32,0,41
1L2F,LYS_274,10.74,-0.42,0.26,0,4
1XIP,TYR_277,13.95,0.1,33,2,62
1DVO,ARG_122,12.16,-0.36,0,0,02
1JYH,ASP_53,2.28,-1.8,-0.42,0,71
2A6B,HIS_137,6.11,-1.04,0.61,0,04
3PBH,TYR_151,12.24,-0.18,-0.44,2,85
2P0Y,ASP_127,3.92,0,-0.07,0,2
4E5S,LYS_40,11.58,-0.61,1.06,0,63
1ZBP,TYR_116,10.37,0,0,0,37
4DND,ARG_55,12.22,-0.27,0,-0.01
1KCM,TYR_190,10.34,0,0.06,0,28
1SNT,ARG_172,12.17,-0.64,0,0,31
1LZL,GLU_176,4.64,0.23,0,-0.09
3Q1C,CYS_279,10.25,0,-0.07,1,33
2E3S,LYS_402,10.96,-0.22,0,0,68
2I6I,LYS_155,10.42,-0.08,0,0
4ETX,ARG_207,12.54,-0.34,0,0,37
4DIU,GLU_149,3.31,0.37,-1.1,-0.47
1PVT,GLU_216,4.73,0.33,0,-0.1
3DSH,LYS_299,10.78,-0.16,0.05,0,38
3PU6,ARG_13,12.31,-0.27,0,0,09
3MIX,LYS_520,10.42,-0.23,0,0,15
2Q12,ASP_29,3.17,-0.81,-0.24,0,41
3IV4,ASP_48,3.95,0,-0.03,0,18
1XKR,GLU_89,4.12,0.27,-0.44,-0.2
3LMF,GLU_54,4.67,0.17,0,0
2V81,CYS_170,11.66,-0.02,-0.11,2,8
1V43,ARG_138,12.26,-0.27,0,0,14
4ETX,ARG_423,12.07,-0.29,0,-0.04
2AHE,ASP_152,4.16,-1.24,0.03,1,57
2QV2,TYR_189,10.23,0,-0.02,0,25
3M7D,GLU_89,4.55,0.23,0,-0.17
1M5I,ARG_141,13.27,-0.3,0.74,0,33
3B21,CYS_212,8.62,-0.81,-0.13,0,57
3Q1C,GLU_47,4.86,0.24,-0.01,0,14
2Y2T,CYS_29,9.59,-0.19,0.17,0,61
1RAJ,HIS_413,6.61,-0.6,0.78,-0.07
2H14,LYS_207,9.93,-0.65,0,0,08
4DEZ,ARG_20,11.75,-0.8,0,0,05
1MUF,GLU_151,4.84,0.3,0,0,05
1F09,TYR_228,11.43,0.0,15,1,28
1P1L,CYS_30,9.37,-0.21,-0.36,0,94
3CS1,LYS_79,10.31,-0.24,0,0,05
2FL4,GLU_138,5.62,1.29,-0.55,0,38
1X9G,HIS_110,6.21,-0.98,0,0,69
2R57,ARG_234,10.2,-2.94,0,0,64
3ILC,LYS_87,10.62,-0.43,0.03,0,51
2FZ4,ARG_55,13.11,-0.78,0.68,0,71
4AF2,ARG_93,13.08,-0.36,0.47,0,47
1TXJ,LYS_116,10.5,-0.28,0,0,27
2CL3,ARG_68,12.26,-0.32,0,0,08
3AU3,GLU_484,3.97,0.9,-1.43,0
3R2E,LYS_40,11.31,-0.34,0.62,0,52
3AU3,LYS_534,10.5,-0.15,0,0,15
1X7F,ARG_168,13.46,-0.52,0.82,0,67
4F3J,ASP_224,3.94,0,-0.44,0,58
1FHL,TYR_214,13.75,0,0.35,3,4
3H8Y,GLU_87,4.6,0.1,0,0
1QQE,LYS_186,10.43,-0.07,0,0
1WLJ,LYS_114,10.51,-0.08,0,0,09
2RH3,ARG_117,12.29,-0.19,0,-0.02
1PV5,GLU_167,5.04,0.24,0,0,29
1WRU,CYS_64,13.75,0.34,0.85,3,56
3B79,GLU_97,3.51,0.26,-1.25,0
2B78,GLU_178,4.88,4.55,-1.68,-2,49
4E6S,CYS_34,9.88,0,-0.08,0,96
3JRT,LYS_45,10.34,-0.22,0,0,07
3ADO,LYS_54,10.41,-0.3,0,0,21
1YG2,ARG_93,12.4,-0.1,0,0
1Y0K,ARG_170,13.94,-1.14,1.59,0,98
4HDE,CYS_73,13.16,0.58,1.18,2,42
1WXQ,LYS_347,9.64,-0.75,0,-0.11
3B21,ASP_40,4.06,0,0.03,0,23
1JYH,GLU_132,6.37,3.66,-1.8,0
2Q99,ARG_366,13.17,-0.49,0.81,0,36
2D7J,LYS_98,10.52,-0.25,0,0,27
2QOP,CYS_117,10.81,-0.48,0.12,2,18
1O5T,TYR_329,10.3,-0.95,-0.52,1,77
1UCH,LYS_74,11.26,-0.45,0.8,0,4
2B6P,TYR_89,11.79,-0.81,0.15,2,46
3ELI,ASP_89,4.2,0,0.25,0,15
1NFN,ARG_92,12.84,-0.2,0.23,0,32
1TP6,TYR_118,10.69,0.22,0.12,0,35
1XFK,HIS_184,4.87,-1.33,0,-0.3
3ANJ,TYR_222,10.25,0,0.01,0,24
3GYW,LYS_45,10.37,-0.13,0,0
2DG7,GLU_53,4.1,2.3,-0.9,-0.83
3BQE,CYS_349,9.89,-0.71,0.04,1,55
3CIV,CYS_98,11.06,0.0,21,1,86
3F7M,ASP_202,1.74,-2.02,-0.82,0,78
1T9S,GLU_169,3.74,0.41,-0.92,-0.25
2IF4,LYS_165,10.45,-0.05,0,0
1AD6,LYS_475,10.49,-0.06,0,0,05
3RVC,ASP_139,3.91,-0.07,0,0,19
3EVZ,LYS_185,10.68,-0.57,0.27,0,48
2EEY,LYS_82,10.33,-0.19,0,0,02
4F8S,ARG_147,12.79,-0.3,0.13,0,46
3V3T,TYR_238,12.98,0.29,2,69
1UOH,TYR_199,11.68,0.79,0.38,0,51
4DBX,TYR_186,11.06,-0.07,0.24,0,9
2DOA,ARG_182,13.62,-0.85,1.4,0,57
1GXN,ARG_413,13.57,-0.42,0.6,0,88
3NBI,LYS_183,10.29,-0.63,0,0,42
2E3J,LYS_115,11.45,-0.34,0.78,0,51
1O59,LYS_305,10.25,-0.25,0,0
2NYC,ARG_219,12.26,-0.24,0,0
2BOJ,ASP_164,2.94,-0.7,-0.43,0,28
4H4J,LYS_251,10.4,-0.13,0,0,04
1KCM,ASP_107,3.75,0,-0.4,0,35
3LPZ,ASP_213,3.51,-0.36,-0.3,0,37
3T57,CYS_138,10.84,-0.28,-0.12,2,24
1EDG,TYR_325,11.58,-0.06,-0.09,1,72
3I47,TYR_175,10.2,0,0.06,0,15
3AU3,CYS_447,10.84,0,0.14,1,69
1MML,LYS_258,10.79,-0.22,0,0,51
2HP7,GLU_147,3.26,0.82,-1.69,-0,38
3BB7,LYS_205,10.6,-0.24,0,0,33
3EVP,LYS_284,10.48,-0.26,0,0,24
2BCF,ARG_114,12.45,-0.44,0,0,39
2AZL,LYS_34,10.8,-0.43,0.3,0,43
2INO,GLU_434,5.5,2.28,-0.76,-0,51
3IL3,GLU_74,4.86,0.69,-0.04,-0,28
2YWX,ARG_32,12.4,-0.43,0,0,33
1X1E,ASP_233,3.31,-1.75,0,1,26
1ZBS,HIS_239,5.17,-1.33,0,0
3G9T,ASP_242,3.65,-0.95,-0.21,1,01
3D9H,ASP_133,3.41,-0.57,-0.3,0,48
3JZN,ARG_287,12.49,-0.37,0,0,36
1RWZ,ARG_222,13.43,-1.17,1.41,0,69
2H8O,HIS_143,5.95,-1.08,0.01,0,51
4DEZ,ASP_84,3.91,-0.21,0,0,32
4AM1,LYS_42,11.3,-0.41,0.85,0,36
2INO,GLU_86,4.37,0.24,-0.07,-0,29
1SIG,LYS_220,10.51,-0.56,0,0,57
4F3J,TYR_218,10.31,-0.11,0,0,41
1TR9,HIS_161,4.72,-2.6,0.85,-0,02
3M3P,ASP_202,3.25,-0.82,-0.03,0,31
2F8H,HIS_51,5.41,-1.34,0,0,25
1IAP,LYS_90,10.43,-0.08,0,0,01
3IOC,GLU_215,5.09,0.85,0,-0,25
2AZP,ASP_126,1.51,-2.04,-0.82,0,57
4EKU,GLU_342,5.55,2.01,0,-0,97
3GW3,CYS_308,9.85,-0.25,0.46,0,64
3LPZ,ASP_299,3.95,-0.15,0,0,3
1DVO,LYS_118,10.16,-0.1,0,-0,25
1XTZ,ASP_176,3.22,-0.78,-0.38,0,57
3LH5,LYS_553,10.35,-0.15,0,0
3G9G,ASP_66,3.18,-0.68,-0.37,0,43
4F8S,ARG_149,12.22,-0.28,0,0
2O4D,ARG_135,12.12,-0.38,0,0
1RLO,ARG_60,12.33,-0.29,0,0,12
2L12,ASP_49,3.33,-0.51,-0.38,0,42
3MIX,ASP_416,3.49,-0.39,-0.13,0,22
2P5D,GLU_98,4.53,0.38,0,-0,35
2YT4,CYS_535,8.79,-0.78,0.12,0,44
3EST,HIS_216,5.88,-0.57,0,-0,07
1EV8,ARG_53,12.18,-0.33,0,0,01
1VJG,LYS_6,10.59,-0.22,0,0,32
4E8B,LYS_118,10.51,-0.13,0,0,14
3E5T,ASP_223,3.78,0,-0.21,0,19
2OBI,CYS_75,10.99,-1.13,0.27,2,83
1G8P,GLU_157,3.6,0.26,-0.85,-0,3

3M7G,LYS_116,10.23,-0.78,0.1,0.4
4FCU,HIS_132,6.31,-0.26,0,0.06
2E0T,LYS_183,10.36,-0.13,0,-0.01
3EJC,LYS_48,10.31,-0.19,0,0
1H4U,HIS_536,7.26,-0.39,0.85,0.3
2D59,LYS_119,11.3,-0.38,0.72,0.47
2QVO,LYS_69,10.32,-1.11,0.19,0.73
3EYE,ASP_104,3.55,-0.8,-0.19,0.74
2WOZ,GLU_395,5.89,1.96,-0.86,0.3
3M7D,HIS_260,7.18,-0.84,0.85,0.68
2OJQ,ASP_467,3.86,-0.1,-0.25,0.41
1XDZ,LYS_202,11.49,-0.36,0.85,0.5
3EVZ,TYR_178,9.35,-0.37,-0.54,0.26
3DTE,ASP_106,3.44,-0.47,0,0.11
3K9I,LYS_157,11.09,-0.27,0.45,0.41
1Q8B,LYS_76,10.58,-0.12,0,0.2
3OKQ,LYS_641,11.34,-0.27,0.73,0.38
3BCY,HIS_46,6.37,-0.34,0,0.22
3B4D,LYS_213,10.61,-0.12,0,0.23
1EDG,LYS_373,10.63,-0.26,0,0.38
2CW4,TYR_16,10.08,-0.51,-0.01,0.6
1XTD,LYS_150,10.38,-0.12,0,0
1ZBM,HIS_1,6.68,-0.25,0.32,0.12
3GYW,GLU_61,4.72,0.27,0,-0.05
3EVN,ARG_7,12.5,-0.51,0,0.51
1YR6,GLU_92,5.01,1.84,-0.83,-0.49
3HUE,ASP_213,3.91,0,-0.04,0.15
3H04,LYS_137,11.43,-0.3,0.47,0.76
3Q2C,HIS_36,5.68,-0.83,0,0.01
1R5Q,TYR_96,9.92,-0.58,0.04,0.46
4DND,ASP_84,4.06,0,-0.05,0.31
3ANJ,ARG_22,12.94,-0.31,0.62,0.12
1UXO,LYS_127,10.64,-0.19,0,0.34
2YWJ,ASP_39,3.1,-0.84,-0.24,0.38
2Q13,LYS_70,10.23,-0.26,0,-0.02
1TR9,TYR_213,9.84,-1.15,0.07,0.92
2HXB,HIS_128,6.39,-1.28,0.64,0.52
1RHS,GLU_165,3.31,0.44,-1.25,-0.38
3ETU,ASP_174,3.53,-0.47,-0.25,0.45
1P6F,GLU_83,4.46,0.12,0,-0.16
3BA1,ARG_127,13.98,-0.16,1.26,0.38
3T5B,ASP_135,3.93,0,-0.03,0.15
1O5J,LYS_61,10.37,-0.62,0,0.49
1X04,GLU_104,4.66,0.3,0,-0.15
3C6B,TYR_119,11.22,0.0,0.12,1.09
2F8H,ARG_95,12.23,-0.47,0,0.19
2YYO,ARG_91,12.37,-0.13,0,0
1WXF,ARG_263,13.12,-0.41,0.39,0.65
3UAH,HIS_228,5.33,-1.18,0,0.01
3E5T,HIS_118,5.86,-0.75,0,0.12
1EV8,LYS_235,10.62,-0.29,0,0.42
3UOV,HIS_138,4.77,-1.58,0,-0.15
1TD6,ARG_66,13.01,-0.33,0.38,0.46
3M66,GLU_292,4.48,0.14,0,-0.16
1PNE,ASP_54,1.66,-2.43,-0.13,0.41
3U2A,GLU_33,4.62,0.12,0,0
1UAJ,ARG_220,12.49,-0.17,0,0.16
3MIX,ASP_609,3.85,0,-0.08,0.13
2G2D,ASP_40,4.08,0,0.03,0.25
1XIP,LYS_81,10.47,-0.15,0,0.12
3RJZ,ARG_84,12.66,-0.22,0,0.38
1TD6,GLU_221,4.79,0.4,0,-0.11
3LD1,LYS_78,11.44,-0.29,0.85,0.38
4H4J,ARG_122,13.04,-0.66,0.63,0.57
2CL3,HIS_87,6.49,-1.03,0.85,0.15
2ZCX,ARG_208,12.24,-0.26,0,0
3AU3,TYR_486,11.32,0,0.5,0.83
1FQI,GLU_302,4.62,0.33,0,-0.21
3E5T,LYS_25,10.72,-0.23,0,0.45
3H5T,ARG_32,12.24,-0.26,0,0
1FKM,ARG_329,12.43,-0.07,0,0
2OGQ,ARG_396,12.71,-0.3,0,0.51
4F85,CYS_129,11.1,-0.29,0.13,2.26
1WYC,ARG_99,12.96,-0.58,0.51,0.53
1P4X,GLU_16,5.21,2.36,-0.69,-0.97
2Z61,TYR_185,10.47,0,-0.01,0.49
3F6F,GLU_185,3.62,0.64,-0.85,-0.67
1TLV,ARG_252,12.42,-0.15,0,0.07
1MTZ,TYR_170,10.99,-1.64,0.27,2.36
3T5B,ARG_221,12.09,-0.5,0,0.1
3EZ7,LYS_240,9.43,-1.21,0,0.14
2OKT,HIS_339,6.53,-0.22,0.26,0
1X7F,GLU_342,4.65,0.11,0,0.04
3D9H,ARG_180,13.3,-0.32,0.73,0.39
2CXA,GLU_176,3.71,0.86,-0.89,-0.76
3FTT,TYR_71,12.44,-0.15,0.37,2.22
2NRK,ARG_122,10.97,-1.15,0,-0.37
3T8R,GLU_91,4.54,0.04,0,0
4H4J,GLU_160,4.36,0.14,0,-0.27
1SNT,ARG_314,12.26,-0.27,0,0.03
3P51,ASP_103,3.23,-1.07,0.03,0.47
3M66,HIS_172,6.15,-0.47,0.18,-0.05
1LN4,HIS_10,6.08,-0.47,0.05,0
3LJN,LYS_19,10.44,-0.23,0,0.17
1IAP,ARG_183,12.35,-0.42,0,0.27
1A8Q,GLU_150,3.48,0.48,-1.44,-0.06
3CCY,TYR_49,10.29,0,-0.1,0.39
1ZCE,ARG_119,12.4,-0.1,0,0
1HF8,ARG_261,12.41,-0.33,0,0.25
1T07,LYS_37,10.53,-0.27,0,0.3
4DEZ,ARG_69,12.2,-0.23,0,-0.07
1ZYL,ARG_40,12.54,-0.64,0.03,0.65
1TD6,GLU_68,5.88,1.5,0,-0.11
1RKA,LYS_154,11.25,-0.27,0.65,0.38
3G59,TYR_160,13.73,0.06,1.02,2.64
3CO1,LYS_98,10.6,-0.18,0,0.28
1QYI,LYS_64,10.26,-0.23,0,-0.01
2GZQ,TYR_69,10.11,0,-0.17,0.28
1NRI,TYR_226,10.81,0.31,0.33,0.17
1DUP,HIS_76,6.26,-0.15,0,-0.09
2GQV,TYR_69,11.1,0,0.02,1.09
3T5B,ARG_244,12.81,-0.21,0,0.51
3GE9,ARG_190,12.8,-0.29,0.3,0.29
1ILW,GLU_63,4.93,0.4,0,0.03
2IF4,CYS_253,11.29,-0.02,-0.55,2.85
1GXN,LYS_485,10.4,-0.12,0,0.02
3P28,ARG_74,13.71,-0.5,1.02,0.69
2G2D,TYR_107,11.36,0.0,0.18,1.19
3V55,LYS_466,10.01,-0.69,0,0.2
2H2Z,CYS_16,11.83,0,0.02,2.81
1TWU,TYR_103,10.89,-0.55,-0.05,1.48
3P28,LYS_78,10.52,-0.18,0,0.2
4F8A,GLU_596,4.85,0.44,0,-0.09
1TJE,LYS_137,11.35,-0.27,0.74,0.38
3ASA,ARG_244,12.38,-0.15,0,0.03
2CBE,ASP_165,3.69,0,-0.32,0.21
2WB8,ASP_709,4.1,0.0,0.13,0.17
1O6D,CYS_30,11.53,0,-0.09,2.63
1X1E,ARG_212,13.82,-0.28,1.03,0.56
1SFE,GLU_73,4.7,0.34,0,-0.14
4FLE,TYR_124,10.21,0,0.11,0.1
3B4D,ASP_233,3.36,-0.82,-0.07,0.45
3RRQ,GLU_141,3.64,0.41,-0.89,-0.38
2OPI,GLU_151,4.73,0.17,0,0.06
1O9G,ARG_215,12.85,-0.59,0.36,0.58
1WP5,GLU_225,4.67,0.32,0,-0.15
2H2W,TYR_240,9.95,-0.01,-0.37,0.32
4DIU,ASP_198,2.53,-1.69,-0.05,0.47
2X5Y,GLU_795,4.52,0.14,0,-0.12
2NRR,ARG_410,13,-0.29,0.31,0.49
4DNU,GLU_375,4.85,0.15,0,0.21
3RFY,LYS_158,10.43,-0.07,0,0
2CL3,ARG_221,12.05,-0.65,0,0.19
3LMO,GLU_58,4.56,0.09,0,-0.03
2W2S,LYS_176,10.07,-0.43,0,0
4FLE,ASP_102,4.03,0,0.01,0.22
1R3F,GLU_171,3.95,0.91,-0.94,-0.51
1PSW,ASP_293,3.71,-0.26,-0.11,0.28
2Z84,TYR_41,11.58,-0.74,0.86,1.47
2FBI,GLU_134,4.69,0.19,0,0
3BPV,ARG_95,12.85,-0.15,0.02,0.48
1V8E,GLU_176,4.6,0.1,0,0
4GCO,TYR_166,12.02,-0.51,0.25,2.29
3CBN,ARG_91,12.9,-0.42,0.38,0.43
1R29,GLU_99,3.85,0.24,-0.76,-0.13
3DSH,ASP_430,3.93,0,0,0.13
3RFY,ARG_393,12.23,-0.27,0,0
2F4Q,ASP_296,4.53,0,0.02,0.7
3EAZ,GLU_90,3.82,0.24,-0.71,-0.21
1TR9,GLU_180,3.82,0.5,-0.85,-0.32
1SNT,HIS_132,5.88,-0.43,0,-0.19
1UOH,LYS_189,10.54,-0.19,0,0.23
2DFL,LYS_163,10.45,-0.11,0,0.06
3AOX,CYS_721,11.65,-0.29,0.2,0.95
2F4Q,TYR_51,10.44,0,-0.01,0.45
2AOJ,ARG_84,13.3,-0.29,0.32,0.78
3UAH,ASP_200,3.04,-0.98,-0.16,0.39
3CN5,CYS_132,9.56,-0.08,0,0.63
3JV1,ARG_149,12.03,-1.04,0.07,0.5
1U3Y,LYS_249,10.41,-0.3,0,0.2
3RKV,GLU_209,4.51,0.35,-0.64,0.31
3BQW,LYS_90,10.21,-0.38,0,0.49
4DIU,ASP_230,10.91,-0.39,0.42,0.38
3CXS,HIS_34,6.33,-0.21,0,0.04
1NWA,ARG_-1,12.45,-0.05,0,0
1RI6,GLU_176,4.73,0.09,0,0.14
3ADO,LYS_104,10.38,-0.12,0,0
3CAN,GLU_239,4.56,0.07,0,-0.02
3CNV,LYS_86,10.33,-0.22,0,0.05
2ZCX,HIS_200,6.31,-0.1,0,-0.09
1R9W,ASP_228,3.9,0,-0.26,0.36
3K8J,LYS_91,10.39,-0.11,0,0
4E9E,LYS_480,10.87,-0.15,0.18,0.34
3GEC,ARG_394,12.01,-0.57,0,0.07
1NJ4,ASP_337,3.44,-0.41,-0.48,0.53
3AU3,HIS_464,6.39,-0.29,0.01,0.17
2OBI,LYS_151,11.48,-0.46,0.85,0.59
4E8B,ARG_190,12.88,-1.84,1.5,0.73
2F8H,ASP_229,3.71,-0.14,-0.19,0.23
1TWU,ASP_23,4.01,0,0,0.21
2A1V,LYS_126,10.45,-0.05,0,0
2PWQ,GLU_21,3.78,0.49,-0.8,-0.41
2ZQ5,TYR_317,9.95,-0.06,-0.38,0.39
2F4Q,ASP_82,3.77,-0.01,-0.63,0.6
3M66,LYS_168,11.48,-0.25,0.85,0.38
3O16,ARG_225,11.85,-0.68,0,0.02
1NAF,ARG_299,12.43,-0.07,0,0
1N81,ARG_100,12.71,-3.33,1.62,1.93
4DNU,ASP_380,2.86,-1.1,-0.25,0.42
2AZL,TYR_39,11.76,0.0,0.35,1.4
2V4U,ARG_425,13.28,-0.36,0.47,0.66
2YWJ,GLU_112,4.01,0.31,-0.85,0.05
2FG1,HIS_114,6.54,-0.45,0.49,0
2BQQ,LYS_140,10.36,-0.1,0,-0.04
2GAU,LYS_39,10.37,-0.13,0,0
1WRU,GLU_171,4.42,0.61,-0.31,-0.38
1O0X,LYS_220,10.53,-0.6,0,0.64
2CI3,CYS_221,11.24,-1.41,0,3.65
3EGN,LYS_425,10.06,-0.6,0,0.16
2ILR,ARG_290,12.54,-0.15,0,0.19
1X04,ARG_38,13.27,-0.25,0.6,0.42
3RJX,HIS_226,1.43,-3.8,0,-1.07
3OA7,HIS_563,6.25,-0.32,0,0.07
1O59,LYS_237,11.49,-0.31,0.85,0.44
3OOP,LYS_100,10.55,-0.16,0,0.22
3GOZ,CYS_273,10.43,-0.09,0.11,1.41
3AU3,GLU_460,4.54,0.12,0,-0.09
1T3Y,CYS_113,11.37,-0.04,0.13,2.28
2F19,ASP_19,4.17,0,0.03,0.34
3M70,TYR_249,12.5,-0.81,0.06,3.25
1X04,ASP_147,2.43,-1.48,-0.55,0.67
3RFF,GLU_49,4.92,0.64,-0.36,0.14
2WB8,ASP_592,3.52,-0.55,-0.17,0.44
1J74,GLU_97,10.35,0.36,0,-0.08
2FM9,LYS_146,11.6,-0.22,0.85,0.47
3H13,GLU_241,3.8,0.32,-0.6,-0.42
3I4T,GLU_70,3.63,0.37,-0.85,-0.38
4E8B,ASP_51,4.12,-0.26,0.1,0.49
3RFF,HIS_173,3.91,-2.58,0,-0.09
1ZBM,ASP_133,3.91,0,-0.13,0.24
2NMU,HIS_86,5.96,-0.5,0,-0.04
3T8R,TYR_9,10.13,0,-0.1,0.23
2V4X,LYS_23,10.45,-0.14,0,0.09
3A2Z,HIS_152,5.53,-1.45,0,0.48
1TR9,HIS_142,5.83,-1.37,0.8,-0.1
3F5D,LYS_87,10.25,-0.25,0,0
1PSW,TYR_200,10.57,0,0.02,0.55
3NZL,TYR_73,10.55,-0.05,-0.21,0.82
2HXB,ASP_10,4.14,0,0.05,0.28
4F8A,ARG_702,13.15,-0.51,0.34,0.81
3P51,HIS_25,5.74,-1.02,0.55,-0.29
1IAP,CYS_77,13.4,0.068,3.72
1F2V,ASP_26,3.38,-0.5,-0.14,0.23
1ZBM,TYR_232,13.37,-0.34,0.55,3.15
3TMO,GLU_323,3.51,0.28,-0.83,-0.44
2XWS,LYS_99,9.86,-0.79,0,0.16
2FBI,LYS_97,10.48,-0.25,0,0.23
1DIO,GLU_39,4.89,1.5,-0.79,-0.32
1G8P,GLU_176,4.43,0.23,-0.12,-0.18
3GW3,ASP_239,3.56,-0.78,-0.58,1.12
2XJ4,LYS_168,10.66,-0.13,0,0.29
2FG1,GLU_58,4.73,0.15,0,0.08
2B2H,LYS_83,10.45,-0.05,0,0
2PLQ,ASP_40,3.93,0,-0.15,0.28
1R3D,GLU_66,4.66,0.16,0,0
1P6F,ASP_93,2.95,-1.43,-0.36,0.94
4AM1,GLU_254,4.68,0.73,0,-0.55
2H01,HIS_157,6.32,-0.3,0,0.12
3ZXY,ASP_27,3.32,-1.23,-0.19,0.93
2AHE,ARG_250,12.43,-0.29,0,0.21
3LPZ,ASP_321,3.95,0,0,0.15
3GEC,GLU_431,4.08,0.21,0,-0.64
2X4L,LYS_281,12.27,-0.42,1.33,0.85
2YX0,ARG_38,12.79,-0.67,0.43,0.53
4HDE,LYS_85,10.48,-0.13,0,0.1
1R5Q,TYR_81,10.81,0,0.03,0.78
3JRT,ARG_62,11.44,-1.05,0,-0.01
2IF4,TYR_246,10.71,0.18,0,0.52
2D59,ARG_21,12.6,-0.33,0.03,0.4
1PBV,HIS_127,6.48,-0.4,0,0.38
1S1G,LYS_393,10.07,-0.29,0,-0.13
3ADO,GLU_212,4.84,0.18,0,0.17
3DZ1,ASP_115,4.12,0,0,0.32
2O0K,ARG_202,11.88,-0.76,0,0.15
2CIU,TYR_213,11.41,0.57,0.38,0.46
2F8H,CYS_137,13.28,-1.21,1.86,3.64

1N81,GLU_148,3.34,0.44,-1.23,-0.37
1T3Y,ASP_6,3.32,-0.86,-0.01,0.4
3K8J,GLU_181,4.44,1.58,-1.64,0
3G59,GLU_142,4.95,0.33,0,0.11
1W7B,LYS_119,10.23,-0.14,0,-0.14
2X5Y,GLU_781,2.92,0.31,-1.49,-0.39
3LMO,LYS_49,10.39,-0.14,0,0.04
1X1E,GLU_193,4.75,0.25,0,0
3ONH,ASP_451,2.16,-2,-0.3,0.67
2QOP,ARG_106,12.35,-2.06,0.65,1.26
2GYZ,TYR_75,10.02,0,-0.35,0.37
1PBV,ARG_239,12.45,-0.16,0,0.12
3FFM,ARG_146,13.22,-0.72,0.42,1.02
2AHE,LYS_257,10.47,-0.03,0,0
2OSA,ASP_440,3.41,-1.28,-0.16,1.04
2NRR,HIS_474,6.1,-0.5,0,0.11
2PPN,ARG_40,11.74,-1.06,0.11,0.19
4F8A,ARG_674,12.56,-0.35,0,0.41
2Q5X,TYR_849,12.47,0,0.07,2.4
1PGV,LYS_247,10.2,-0.27,0,-0.03
1O59,GLU_72,5.58,1.65,-0.51,-0.06
3GT0,ARG_197,13.89,-0.32,0.82,0.88
1PSW,ARG_69,12.65,-0.44,0.25,0.34
1MJS,HIS_398,6.63,-1.01,0.78,0.36
3L3P,ASP_363,2.61,-1.44,-0.38,0.63
1JKS,GLU_113,3.31,1.12,-2.3,-0.01
3FXH,LYS_92,11.27,-0.27,0.85,0.19
2P65,HIS_125,5.83,-1.45,0.08,0.7
1PDB,ARG_183,4.62,0.56,0,-0.44
3I47,ASP_46,3.27,-0.82,-0.17,0.47
4H4J,TYR_179,11.1,0,0.45,0.66
3CJW,HIS_175,6.53,-0.22,0,0.25
1NIJ,ASP_236,3.46,-0.86,0,0.52
2CXY,LYS_3,10.51,-0.07,0,0.08
1WPS,HIS_322,7.01,-0.53,0.85,0.2
3E5T,HIS_72,4.95,-2.84,0.79,0.5
1G8P,GLU_347,4.77,0.27,0,0
3LH5,LYS_629,10.54,-0.07,0,0.12
2F9F,CYS_88,11.32,-0.23,-1.2,3.76
1QYI,ARG_58,13.14,-0.63,0.42,0.85
2A6B,ASP_134,2.59,-1.56,-0.63,0.99
3E5T,ASP_31,3.45,-0.67,-0.31,0.62
3IRA,GLU_65,4.81,0.27,0,0.04
1GSZ,ASP_188,4.14,0,-0.09,0.43
1J33,ARG_39,12.4,-0.29,0,0.19
2I6I,LYS_151,10.21,-0.12,0,-0.17
3G59,ASP_121,3.22,-0.72,-0.22,0.36
4H86,LYS_47,10.4,-0.24,0,0.14
2Z84,GLU_109,4.65,0.16,0,0
1PVT,TYR_39,12.63,0.85,0.64,1.14
2R57,GLU_300,4.13,0.28,-0.64,0
1YDL,LYS_32,10.4,-0.41,0,0.31
3F6M,GLU_14,4.56,0.09,0,-0.03
3C6B,ASP_92,4,0,0,1.0,1
2BT8,TYR_295,13.25,-0.13,-0.01,3.38
3G9G,ARG_58,12.61,-0.36,0.22,0.25
3LJN,ASP_221,2.95,-0.86,-0.37,0.38
1NRI,GLU_48,4.63,0.13,0,0
3F6M,ARG_115,12.33,-0.28,0,0.11
3HUE,HIS_241,6.46,-0.48,0.41,0.03
3EX9,LYS_136,11.45,-0.5,0.85,0.59
3V3T,HIS_120,4.35,-1.83,0,-0.32
2D59,ARG_16,12.48,-0.38,0,0.35
3RNV,LYS_433,10.32,-0.18,0,0
3QKY,TYR_217,10.5,-0.13,-0.21,0.83
2Q99,LYS_32,11.35,-0.38,0.85,0.38
3ETV,TYR_136,9.74,-0.62,-0.13,0.49
1NJ4,LYS_143,10.41,-0.11,0,0.02
2F4Q,ASP_163,4.09,0,0,0.29
1XIP,GLU_117,4.61,0.19,0,-0.08
2CL3,LYS_167,10.38,-0.12,0,0
1T95,LYS_166,10.63,-0.28,0,0.4
1C3K,ASP_78,4.2,0,-0.68,1.1
3H5T,LYS_175,10.5,-0.13,0,0.14
2Q13,GLU_336,3.51,0.49,-1.04,-0.43
1DZF,LYS_122,10.41,-0.09,0,0
1ZP2,ASP_201,4.05,0,-0.01,0.26
3BQW,ARG_127,11.93,-0.47,0,-0.11
1JT9,CYS_228,9.7,-0.54,0,1.24
2Z0M,LYS_23,11.38,-0.97,0.85,1
1SQH,ARG_56,13.59,-0.38,0.86,0.61
1TUL,LYS_97,10.64,-0.27,0,0.41
1W24,ASP_95,4.04,-0.01,0,0.25
3M16,ARG_235,13.14,-1.2,0.99,0.86
2G9D,TYR_341,9.79,-0.02,-0.54,0.35
3UPD,TYR_5,10.02,0,0,0.02
3ZRI,GLU_22,4.58,0.26,0,-0.19
1LZL,ASP_62,3.51,-0.36,-0.42,0.49
1AM2,GLU_14,4.67,0.14,0,0.03
3L3P,GLU_321,4.59,0.09,0,0
2CWY,GLU_7,4.92,0.16,0,0.26
2CL3,HIS_93,6.02,-1.26,0.69,0.09
3GW3,GLU_45,2.62,1.14,-2.48,-0.55
4GA2,ASP_145,3.85,0,0,0.05
3RVC,HIS_169,5.45,-1.2,0,0.15
2B0J,LYS_107,10.53,-0.39,0,0.42
2GYZ,ARG_37,12.43,-0.07,0,0
3H04,GLU_134,4.0,0.32,-0.44,-0.38
3C2E,LYS_75,10.41,-0.09,0,0
2EDM,ARG_56,11.45,-1.21,0,0.16
2CXA,CYS_102,11.21,-0.61,0.12,2.7
1VJG,ARG_97,11.97,-0.8,0,0.26
3JRT,GLU_12,4.87,0.21,0,0.17
3DZ1,ARG_236,13.8,-0.24,1.06,0.48
1H09,GLU_24,4.7,0.15,0,0.05
2B0J,ASP_194,1.43,-2.87,-0.44,0.94
1M5I,ARG_216,12.04,-0.34,0,-0.13
1D2K,LYS_187,11.76,-0.28,0.85,0.69
2CWC,ARG_49,12.45,-0.05,0,0
3L3P,ASP_434,3.1,-0.89,-0.21,0.4
3GYW,TYR_272,10.17,0,-0.07,0.24
2G9D,LYS_329,10.18,-0.32,0,0
1NIJ,LYS_32,10.46,-0.25,0,0.23
1SNT,ASP_306,3.26,-0.76,-0.34,0.56
4D8L,LYS_18,10.2,-0.31,0,0.01
3Q1C,LYS_56,10.05,-0.45,0,0
1IDK,TYR_286,11.43,-0.55,0.58,1.41
2X4G,ARG_119,11.69,-0.97,0,0.16
3N2T,ARG_143,12.47,-0.19,0,0.16
3ILC,ARG_102,12.43,-0.07,0,0
4EKU,GLU_357,4.56,0.1,0,-0.04
1R3F,GLU_221,4.64,0.24,0,-0.11
3L0D,HIS_107,6.86,-0.46,0.72,0.1
4DEZ,CYS_47,10.07,-1.14,-0.34,2.55
3M66,HIS_346,6.12,-0.34,0,-0.04
2WOZ,LYS_459,10.56,-0.11,0,0.17
3EVP,ARG_267,13.02,-0.32,0.36,0.48
3KVO,ARG_136,12.86,-0.31,0.34,0.33
1DZF,TYR_46,11.53,0.28,1.25
1TD6,GLU_273,4.77,0.94,0,-0.68
1YLN,ARG_217,12.05,-0.34,0,-0.11
3BQW,GLU_172,4.85,0.24,0,0.11
3IRA,ASP_86,1.66,-2.32,-0.38,0.56
1ZBS,ASP_90,3.7,0,-0.32,0.22
3IOO,ASP_236,3.2,-0.67,-0.38,0.45
1HF8,ASP_111,2.24,-2.4,-0.02,0.85
1SYJ,GLU_69,7.47,3.11,-0.55,0.41
2FXT,ASP_412,4.2,0,0.21,0.19
1D2K,TYR_322,13.11,0.09,1.04,1.98
2JHY,ASP_143,2.57,-1.02,-0.84,0.63
3JZ9,LYS_533,10.5,0,0,0
3CAX,ASP_154,3.4,-0.72,-0.05,0.37
3Q1C,LYS_53,10.31,-0.59,0,0.39
3RLN,ASP_731,2.41,-1.64,-0.41,0.66
3GMS,HIS_56,6.38,-0.12,0,0
1PSW,HIS_300,6.31,-0.17,0,-0.02
2RGY,ASP_108,3.49,-0.32,-0.42,0.43
2CXA,ARG_8,12.38,-0.13,0,0
3V55,GLU_607,4.56,3.58,-2.3,-1.22
3LH5,LYS_673,10.44,-0.12,0,0.06
2HRZ,GLU_210,4.45,1.74,-1.2,-0.59
1J74,TYR_63,11.89,-0.17,-0.28,2.33
3ANJ,ARG_104,10.97,-2.49,0,0.96
1RSS,LYS_35,10.38,-0.12,0,0
3GA2,TYR_165,10.13,-0.01,-0.14,0.27
3EUR,HIS_41,6.45,-0.09,0,0.05
3GE9,ARG_95,12.98,-0.26,0.35,0.38
3A7L,ARG_17,12.71,-0.78,0.55,0.44
1X91,ASP_122,2.78,-1.72,-0.25,0.95
3EAZ,CYS_119,11.67,0,-0.31,2.99
3R87,ARG_118,13.36,-0.27,0.75,0.38
1ZP2,GLU_76,4.42,0.82,-0.89,0
1YTD,LYS_195,10.67,-0.23,0,0.4
3BPPLY,LYS_167,11.53,-0.25,0.85,0.43
1XIP,CYS_300,10.76,-1.33,-0.49,3.58
3EVP,GLU_163,4.45,0.62,-0.28,-0.39
1G8P,GLU_258,4.39,0.3,-0.13,-0.27
1BYI,LYS_182,10.39,-0.13,0,0.02
1PV5,HIS_3,6.15,-0.32,0,-0.02
1DCF,LYS_52,10.27,-0.29,0,0.06
1WP5,LYS_191,10.32,-0.12,0,-0.06
2PLQ,HIS_10,6.28,-0.11,0,-0.11
2WB8,LYS_462,10.52,-0.21,0,0.22
3LJC,LYS_49,10.28,-0.45,0,0.23
2A4D,GLU_206,4.77,0.27,0,0
2Q07,HIS_404,4.34,-2.43,0.65,-0.37
1QYI,CYS_125,9.27,0,-0.03,0.3
1PSW,GLU_126,4.74,0.07,0,0.16
1PGV,LYS_327,10.7,-0.83,0.34,0.68
3RFF,ARG_153,12.95,-0.33,0.33,0.45
1MD6,TYR_115,10.96,0,0.24,0.72
3GV0,HIS_108,6.19,-0.26,0,-0.04
2WOZ,GLU_584,4.6,0.16,0,-0.06
2Q5X,GLU_836,4.67,0.42,0,-0.25
2XMZ,ASP_249,4.05,-0.54,0.12,0.67
2H2W,ASP_266,4.1,0,0.01,0.29
1J85,GLU_102,3.93,2.25,-3.03,0.21
1WXF,LYS_275,10.37,-0.13,0,0
3EVP,GLU_126,0.83,0.59,-3.29,-0.97
2Q13,TYR_302,11.96,0,0.26,1.7
1D70,ASP_173,4.17,0,0.06,0.31
3ADO,ARG_116,12.54,-0.23,0,0.28
1KW4,GLU_28,4.54,0.2,0,-0.15
2CW4,ASP_44,2.92,-1.04,-0.27,0.43
2OEW,LYS_313,10.55,-0.12,0,0.17
2CE6,TYR_81,9.98,-0.77,-0.24,0.98
2FBI,LYS_111,10.47,-0.16,0,0.13
2VAN,LYS_280,10.46,-0.11,0,0.07
3VJ8,ARG_348,11.7,-1.11,0,0.31
2BQQ,LYS_66,10.33,-0.16,0,-0.01
1WYC,LYS_246,9.96,-0.73,0,0.2
3EVN,HIS_197,6.14,-0.36,0,0
3RNV,TYR_422,10.03,0,0.03
3IVF,GLU_269,4.01,1.55,-1.35,-0.69
1X04,LYS_28,10.44,-0.06,0,0
1JSX,ASP_171,3.97,0,0.03,0.14
2A0J,GLU_46,4.74,0.31,0,-0.06
1X1E,ARG_63,12,-0.59,0,0.08
3H9W,CYS_76,11.72,-0.05,0.5,2.27
3LME,LYS_39,10.35,-0.19,0,0.04
2OSA,GLU_381,3.94,0.32,-0.21,-0.67
3PU6,LYS_104,11.34,-0.51,0.85,0.5
2GEN,HIS_160,4.73,-1.7,0,-0.08
2Q98,ASP_20,3.57,-0.14,-0.55,0.46
2RFA,ASP_188,3.57,-0.76,-0.18,0.72
2JKF,TYR_10,11.34,0.31,0.27,0.75
2G3A,ARG_58,12.13,-0.42,0,0.05
3CE7,ARG_97,12.91,-0.29,0.14,0.56
2EYI,ASP_200,3.45,-0.85,0.06,0.44
3HQX,ARG_66,13.01,-0.28,0.41,0.39
3K9I,TYR_119,10.12,0,0,0.12
2AXO,ASP_246,3.01,-0.95,-0.38,0.55
3DB9,HIS_199,6.35,-0.84,0.76,-0.07
2DG7,ARG_104,10.32,-2.39,0,0.21
3GEC,TYR_468,11.28,0,-0.06,1.35
3ADO,ASP_253,4.02,0,-0.03,0.25
3US6,GLU_44,4.79,0.29,0,0
1TJE,LYS_91,10.51,-0.34,0,0.35
2F4Q,ARG_330,12,-0.65,0,0.14
1P4K,HIS_236,7.02,-0.45,0.1,0.89
2YWJ,TYR_24,11.78,0,0.3,1.48
1V6T,LYS_238,10.35,-0.29,0,0.15
1Y2Q,LYS_51,10.49,-0.31,0,0.29
2B0A,LYS_25,10.4,-0.1,0,0
3ZXV,ARG_103,13.05,-0.44,0.7,0.29
1E55,LYS_3,10.1,-0.4,0,0
3QKY,GLU_150,4.69,0.11,0,0.07
1ZBP,GLU_22,4.69,0.29,-0.04,-0.06
3E5T,GLU_47,4.6,0.25,0,-0.14
1JT9,LYS_183,10.44,-0.06,0,0
1MML,HIS_161,6.07,-0.43,0,0
2FG1,CYS_125,9.37,-0.11,-0.2,0.69
2BV9,HIS_285,5.96,-0.24,0,-0.31
1QZN,GLU_85,4.62,0.12,0,0
1X6J,ASP_53,4.28,0,0.16,0.32
1RAJ,TYR_450,11.81,-0.05,0.54,1.33
1O6D,GLU_89,4.92,0.86,0,-0.43
2VGM,LYS_46,10.41,-0.16,0,0.07
1Q5Z,LYS_518,10.47,-0.12,0,0.09
2WB3,LYS_338,10.52,-0.26,0,0.29
3LJN,ARG_283,12.19,-0.35,0,0.03
2QV2,LYS_132,10.02,-0.34,0,-0.14
3GT0,LYS_213,10.94,-0.26,0.13,0.56
1N81,LYS_149,9.84,-0.87,0,0.21
1MTZ,ARG_278,13.11,-0.77,0.66,0.72
2OHT,ARG_22,12.5,-0.13,0,0.13
3RFY,LYS_236,10.21,-0.29,0,0
2XHC,TYR_143,10.32,0,-0.1,0.41
1ZBM,ARG_181,12.74,-0.55,0.21,0.58
3D9H,ASP_101,3.8,0,-0.22,0.23
3GW3,ARG_142,11.05,-1.45,0,0
2IRM,GLU_293,6.35,3.46,-0.63,-0.98
4EKU,ARG_306,12.59,-0.35,0.08,0.36
1EV8,LYS_10,11.36,-0.38,0.83,0.41
3M7D,GLU_129,5.77,4.55,-0.85,-2.42
3ADO,ARG_19,11.45,-1.06,0,0.01
3RAZ,GLU_59,5.93,1.74,-0.36,0.05
2B3M,HIS_67,4.72,-1.57,0,-0.22
3HYQ,GLU_91,3.69,0.4,-0.82,-0.38
1X1E,GLU_20,4.8,0.35,0,-0.05
3I47,GLU_243,3.09,1.37,-2.21,-0.57
3K8U,LYS_118,10.33,-0.17,0,0
1MD6,LYS_34,10.33,-0.41,0,0.24
1YTD,GLU_252,4.05,0.41,-0.8,-0.05
3V1Q,LYS_571,10.21,-0.2,0,-0.08
3H6Q,LYS_148,10.4,-0.54,0,0.45

3MEW,LYS_189,10.36,-0.17,0,0.02
 2H01,ARG_106,13.4,-0.34,0.79,0.44
 2IF4,HIS_83,6.16,-0.37,0.06,-0.04
 3FNI,TYR_15,11.77,-0.58,0.8,-1.55
 1W7B,ARG_63,13.19,-1.66,1.49,0.85
 1O9G,ARG_113,13.08,-0.38,0.61,0.34
 2POL,ARG_255,12.41,-0.13,0,0.04
 1R5S,LYS_53,10.18,-0.37,0,0.05
 3M7D,ARG_131,10.32,-2.31,0.1,0.02
 2B0A,GLU_54,4.6,0.1,0,0
 2JKF,GLU_62,4.93,0.43,0,0
 3K8U,LYS_124,10.28,-0.46,0,0.24
 4FCU,ARG_181,12.46,-1.24,0.47,0.73
 1F09,ARG_303,12.87,-1.52,1.37,0.53
 2YLF,ARG_74,12.42,-0.08,0,0
 2CWY,ARG_68,12.08,-0.4,0,-0.02
 2H01,ARG_119,12.55,-0.74,0.21,0.58
 3PU6,GLU_51,4.59,0.1,0,-0.01
 1ZCE,ARG_42,13.75,-0.47,1.33,0.39
 3IL3,ARG_40,12.58,-0.22,0,0.31
 3LQE,ARG_390,13.11,-0.33,0.42,0.53
 1OOX,ARG_169,12.22,-0.58,0,0.3
 3SMD,LYS_97,10.69,-0.51,0.41,0.29
 1D2K,TYR_106,12.49,0.7,0.63,1.15
 1SBX,ASP_95,3.9,0,0,0.1
 1K95,GLU_126,4.7,0.27,0,-0.07
 3M66,HIS_152,5.82,-0.78,0.05,0.05
 1C3K,GLU_55,4.32,0.31,0,-0.49
 3CBN,TYR_26,11.89,0.81,0.45,0.63
 3IV4,HIS_74,4.82,-1.04,0,-0.64
 3UV9,LYS_400,10.45,-0.39,0,0.34
 1YLN,LYS_243,10.15,-0.35,0,-0.01
 2PGE,GLU_176,4.53,0.45,0,-0.42
 1GSZ,LYS_161,10.54,-0.1,0.0,0.15
 1L2H,LYS_97,10.26,-0.27,0,0.03
 1O59,GLU_260,3.75,0.4,-0.57,-0.58
 2B3M,LYS_22,10.41,-0.09,0,0
 3F6M,CYS_150,12.41,-0.01,0.36,3.06
 4FZR,ASP_58,4.07,0,0,0.27
 3H04,LYS_264,10.89,-0.25,0.14,0.5
 3FNI,LYS_134,10.48,-0.13,0,0.1
 2QV2,GLU_95,4.7,0.22,0,-0.02
 1X04,ASP_119,3.16,-0.76,-0.38,0.51
 2EYI,ARG_82,12.32,-0.22,0,0.04
 2HRZ,GLU_72,4.63,0.54,0,-0.41
 2OJQ,HIS_633,5.14,-1.15,0,-0.21
 2OEW,ASP_206,4.03,-0.15,0.39
 1GPP,HIS_170,7.16,-0.26,0.85,0.08
 3BZT,LYS_261,10.57,-0.48,0.23,0.33
 3F1X,ARG_269,12.41,-0.16,0,0.06
 1FKM,ASP_317,2.75,-0.83,-0.63,0.42
 2C2Y,ARG_112,13.11,-0.38,0.57,0.42
 1WYC,ASP_132,3.33,-0.87,0,0.4
 2RJD,HIS_398,4.54,-2.12,0,0.17
 1Z3X,GLU_100,4.69,0.3,0,-0.11
 3RFY,ARG_361,12.47,-0.03,0,0
 1UW7,TYR_89,12.48,-0.43,0.25,2.66
 3V55,TYR_490,12.41,0.23,0.12,2.07
 2IF4,ASP_159,3.46,-0.28,-0.39,0.33
 1P4X,LYS_25,10.3,-0.29,0,0.09
 4ACJ,ARG_681,12.32,-0.18,0,0
 1D2F,ARG_11,11.87,-0.29,0,-0.34
 1WXF,CYS_60,12.55,0,0,3.55
 1Z3X,GLU_139,3.11,0.84,-1.85,-0.38
 1GPP,LYS_97,10.42,-0.08,0,0
 2QZQ,GLU_90,3.75,1.44,-1.78,-0.42
 1DCF,ASP_94,3.42,-0.75,-0.07,0.44
 1QVI,LYS_68,10.32,-0.28,0,0.1
 3TOW,GLU_138,4.58,0.17,0,-0.09
 3KEY,ASP_366,3.3,-0.37,-0.47,0.34
 3D9H,ARG_23,12.15,-0.35,0,0
 1HF8,HIS_281,6.42,-0.08,0,0
 1P6F,HIS_108,6.24,-0.27,0,0.02
 2ATR,ASP_49,3.1,-0.85,-0.15,0.3
 3LH5,ASP_667,3.68,0,-0.27,0.16
 3VJ8,LYS_160,12.51,-0.66,1.64,1.02
 1SJV,ASP_4,3.97,0,0,0.17
 3FRR,LYS_23,10.77,-0.15,0,0.43
 3KEY,HIS_486,6.44,-0.47,0,0.41
 2Q98,GLU_101,5.03,0.7,0,-0.16
 2XWS,ARG_44,12.33,-0.28,0,0.1
 4AM1,ARG_329,12.45,-0.94,0.34,0.56
 3U0V,LYS_70,10.46,-0.04,0,0
 3GS9,GLU_128,3.71,0.33,-0.85,-0.27
 3H13,ARG_243,12.54,-0.36,0.02,0.36
 2EFK,LYS_52,10.37,-0.13,0,0
 2YWJ,LYS_155,10.45,-0.81,0,0.76
 1FHL,TYR_20,10.64,0.03,0.34,0.31
 2C2Y,CYS_140,12.91,-0.3,0.93,3.28
 3UPD,ARG_100,12.41,-0.08,0,-0.01
 1JKS,ARG_47,12.22,-0.38,0,0.11
 1SJB,GLU_601,3.9,0.51,-0.37,-0.75
 1TD6,GLU_70,6.16,1.52,0,0.13
 2P1W,GLU_233,4.27,1.5,-1.06,-0.67
 2IRM,GLU_84,5.24,1.45,-0.71,0
 2GAU,GLU_32,4.62,0.3,0,-0.19
 2P65,GLU_184,4.7,0.16,0,0.03
 3N2T,GLU_244,4.12,0.45,-0.72,-0.11
 3ONT,GLU_137,4.15,0.33,-0.68,0
 3DB9,ARG_17,12.72,-0.23,0,0.45
 2RGY,CYS_186,12.22,0.52,2.69
 1GQE,LYS_177,11.41,-0.33,0.85,0.38
 1P2F,ARG_110,11.63,-1.56,0,0.7
 2GKG,GLU_124,4.73,0.07,0.16
 3A2Z,TYR_197,10.16,0.15,0.01
 4AM1,ARG_245,11.58,-1.82,0.42,0.48
 2CIU,LYS_179,10.7,-0.19,0,0.39
 1WRU,TYR_121,11.22,0.04,0.43,0.78
 4FD6,GLU_153,4.5,0.4,0,-0.4
 2BV9,TYR_176,10.27,0,-0.06,0.33
 4ACJ,LYS_677,10.28,-0.1,0,-0.13
 1QQH,LYS_178,10.96,-0.25,0.01,0.69
 3CQ1,ARG_98,12.48,-0.15,0,0.13
 1MML,TYR_133,10.98,0.26,0.37,0.35
 2HP7,ARG_75,12.22,-0.23,0,-0.05
 2EDM,LYS_192,10.9,-0.93,0.85,0.48
 3NBI,GLU_128,4.72,0.22,0,0
 2NRK,LYS_148,10.4,-0.1,0,0
 2XHC,TYR_84,10.42,0.0,0.01,0.41
 2XHC,TYR_6,11.2,0.0,1.2
 3B79,ARG_23,4.35,0.18,-0.32,-0.01
 2V4U,LYS_297,10.13,-0.37,0,0
 3P2F,ARG_49,13.91,-0.99,1.68,0.73
 3FFM,HIS_118,7.43,-0.93,0.9,0.96
 3G9T,LYS_257,10.4,-0.1,0,0
 2F4Q,ARG_158,13,-0.36,0.5,0.36
 2O0K,ARG_349,12.4,-0.35,0,0.26
 3BWT,GLU_664,4.61,0.28,0,-0.18
 2FD4,ARG_449,11.5,-1.12,0,0.12
 1H4U,ASP_473,3.45,-0.61,-0.18,0.44
 2QDJ,LYS_341,10.47,-0.11,0,0.07
 1M5I,GLU_138,3.4,0.44,-0.79,-0.75
 3V1Q,HIS_638,6.48,-0.22,0.16,0.04
 1X7P,LYS_16,11.49,-0.25,0.37,0.86
 3ULX,ASP_58,4.31,0.0,0.12,0.39
 3H5T,LYS_334,10.81,-0.26,0.11,0.48
 1W7B,LYS_227,10.22,-0.41,0,0.13
 3U0V,LYS_114,10.11,-0.27,0,-0.13
 1RL0,ARG_166,12.06,-0.57,0,0.13
 1GSZ,LYS_127,10.31,-0.39,0.07,0.13
 3M7G,LYS_28,11.05,-0.59,0.7,0.44
 1T6L,HIS_212,6.39,-0.38,0,0.26
 1XTZ,LYS_148,10.16,-0.6,0,0.25
 3CCY,ASP_180,3.54,-0.29,-0.38,0.41
 2OSA,LYS_368,10.71,-0.3,0,0.51
 1WOU,HIS_59,6.52,-0.31,0,0.34
 2POL,ASP_263,4.15,0,-0.04,0.39
 2F9F,LYS_51,10.41,-0.09,0,0
 3EX9,TYR_120,13.25,0.04,7.27
 2APL,ASP_116,4.09,0.0,0.07,0.22
 2ROS,TYR_73,11.27,0.0,23,1.04
 3UX2,ASP_128,3.79,-0.26,0,0.25
 1OOX,ASP_170,4.25,-0.07,-0.04,0.55
 1SQH,LYS_242,10.49,-0.28,0,0.27
 2EHG,GLU_39,4.26,0.8,-0.69,-0.36
 2FB6,CYS_78,11.01,-0.07,0.37,1.71
 1TP6,ASP_112,1.73,-2.27,-0.55,0.76
 3OAT,TYR_43,10.09,0,0,0.09
 4F85,HIS_99,6.03,-1.3,0.77,0.06
 2O8I,ARG_124,12.51,-0.36,0,0.36
 1Q5Z,GLU_607,3.57,0.29,-0.85,-0.37
 3K8J,HIS_66,6.29,-0.29,0,0.08
 4E6S,TYR_17,10.56,0.0,15.0,4.2
 3UV9,ASP_318,3.36,-0.8,0,0.35
 2GKG,ARG_25,12.14,-0.41,0,0.05
 2RJD,HIS_512,4.67,-2.12,0.83,-0.54
 3CSV,GLU_129,4.16,0.66,-0.81,-0.2
 2ATR,GLU_32,4.97,0.35,0,0.11
 1T07,ASP_29,2.35,-1.64,-0.55,0.74
 2JEO,LYS_81,10.35,-0.13,0,-0.02
 1T95,GLU_23,3.42,0.29,-0.8,-0.56
 1QLL,ARG_119,12.47,-0.31,0,0.27
 3CBN,GLU_152,3.81,0.18,-0.75,-0.12
 1Q46,ARG_175,12.85,-0.08,0,0.42
 3JZN,LYS_293,10.12,-0.32,0,-0.06
 1O6D,GLU_47,4.27,0.23,-0.14,-0.33
 2B0J,GLU_86,4.76,0.3,0,-0.04
 2AZL,ARG_249,12.1,-0.49,0,0.09
 3IV4,GLU_28,4.26,0.32,-0.39,-0.17
 1LPL,ARG_163,12.21,-0.51,0,0.21
 3PBH,CYS_240,11.92,0.0,27,2.65
 1U7U,GLU_330,4.72,0.47,-0.2,-0.05
 1BN6,ARG_144,11.82,-1.86,0.62,0.57
 2FDS,ARG_67,11.69,-0.76,0,-0.06
 2QHT,ARG_208,12.59,-0.22,0.07,0.24
 2WB8,ARG_695,13.19,-0.87,0.7,0.87
 2H85,ARG_126,12.81,-1.9,1.13,1.07
 3GW3,LYS_289,10.69,-0.15,0,0.34
 3CX2,GLU_258,4.57,0.1,0,-0.03
 2P5D,ARG_134,11.88,-0.72,0,0.1
 2Q13,LYS_91,10.37,-0.22,0,0.09
 1RHS,ASP_65,3.45,-0.68,-0.11,0.45
 3K85,ARG_386,13.4,-0.35,0.72,0.53
 2GZQ,HIS_93,3.99,-2.91,0.65,-0.24
 2VGM,TYR_311,10.01,0,-0.17,0.17
 4FZN,ASP_184,3.04,-0.82,-0.46,0.52
 3GEC,LYS_457,10.64,-0.17,0,0.31
 3HQX,CYS_23,10.09,-0.85,0,1.94
 1L2F,ARG_199,12.31,-0.36,0,0.18
 3ETU,LYS_270,10.4,-0.31,0,0.21
 2B78,LYS_65,10.42,-0.08,0,0
 3UAH,ASP_421,3.87,-0.01,-0.19,0.27
 1DUAN,GLU_11,3.96,0.33,-0.85,-0.02
 2NRK,ARG_118,12.2,-1.56,0.71,0.55
 3LPZ,HIS_133,5.32,-1.35,0,0.16
 3GV0,ASP_275,3.13,-0.8,-0.35,0.48
 2ZCX,ARG_154,12.38,-0.43,0,0.3
 2Q07,TYR_245,10.9,0,0.1,0.8
 3RLE,CYS_103,9.25,-0.85,-0.41,1.5
 1LTU,TYR_232,11.4,0.0,12.1,2.8
 1RHS,ARG_186,12.33,-1.83,1.33,0.33
 3LJI,ASP_278,3.28,-0.74,-0.07,0.29
 2AZL,ARG_55,12.92,-0.52,0.47,0.48
 3N2T,ARG_109,13.05,-0.35,0.55,0.36
 2QEV,HIS_35,4.23,-2.31,0.14,-0.1
 2HXB,ARG_58,12.73,-0.28,0.25,0.26
 1J33,GLU_28,4.71,0.5,0,0.3
 2YX0,GLU_316,4.42,0.21,0,-0.29
 2RJD,HIS_233,6.25,-0.2,0,-0.04
 2CXA,HIS_121,6.45,-0.55,0.23,0.27
 3L7N,ASP_42,3.98,0,-0.05,0.23
 1DTO,TYR_44,10.15,0,-0.14,0.29
 3TMO,ASP_231,3.09,-0.84,-0.39,0.52
 3U2R,GLU_40,4.47,0.11,0,-0.14
 1MN3,ASP_430,4.26,0.0,19,0.27
 2POL,ARG_129,11.83,-0.82,0,0.16
 1PGV,GLU_379,3.83,0.41,-0.69,-0.39
 3UPD,LYS_55,9.91,-0.76,0,0.18
 1OLR,HIS_112,6.74,-0.87,0.85,0.26
 1I60,HIS_46,7.45,-0.55,1.3,0.21
 1XIP,GLU_14,4.49,0.15,-0.22,0.07
 1OLR,ARG_146,12.06,-0.45,0,0.01
 1NWA,TYR_65,13.16,0.0,13,3.03
 2F4Q,ARG_69,12.28,-0.49,0,0.26
 4FCU,ASP_140,3.74,-0.06,-0.18,0.19
 3URJ,GLU_20,4.47,0.02,-0.14,0.65
 2QK1,LYS_489,10.66,-0.11,0,0.27
 4DIU,GLU_123,4.64,0.46,0,-0.32
 3MIX,LYS_565,10.63,-0.14,0,0.26
 3H13,CYS_426,11.28,0,-0.23,2.51
 3B7X,LYS_85,10.49,-0.01,0,0
 1J79,HIS_81,6.21,-0.44,0,0.14
 2V5B,ARG_227,12.49,-0.24,0,0.24
 3CRM,ARG_258,13.09,-0.32,0.49,0.43
 2AHE,TYR_205,11.09,0,-0.01,1.1
 3CBN,ASP_57,3.51,-0.39,-0.31,0.41
 1RAJ,GLU_426,4.83,0.28,0,0.05
 1R15,LYS_132,11.01,-0.7,0.85,0.37
 2P52,TYR_160,11.94,-0.07,5.55E-17,2.01
 4EUG,ARG_105,13.56,-0.47,1.07,0.46
 3A4C,GLU_488,4.69,0.12,0,0.07
 1GXN,TYR_569,10.5,0.03,0.46
 1RWZ,LYS_158,10.57,-0.06,0,0.13
 2VAN,ARG_137,12.44,-0.33,0,0.27
 1WNH,ASP_155,4.18,0.04,0.34
 2FL7,LYS_209,11.57,-0.31,0.85,0.53
 4E8B,HIS_17,6.49,-0.47,0.39,0.07
 2O85,ASP_51,3.93,-0.13,-0.41,0.67
 3LE4,TYR_319,10.23,-0.16,-0.21,0.6
 3BB7,ARG_353,13.07,-0.94,0.42,1.09
 3ZXY,ARG_82,12.34,-0.44,0,0.27
 2JHY,CYS_79,8.76,-1.36,0.02,1.1
 2ATR,TYR_78,11.67,0.85,0.38,0.44
 3I47,ARG_173,12.29,-0.31,0,0.1
 1YM5,LYS_202,10.38,-0.44,0,0.32
 3VJ8,HIS_269,2.63,-2.36,0,-1.52
 3BQE,ARG_217,13.01,-0.33,0.48,0.37
 3UC9,GLU_77,4.44,0.2,0,-0.26
 3LJN,CYS_57,12.66,-0.08,0.08,3.67
 1YG2,TYR_136,10.11,0,0,0.11
 3F1X,GLU_135,4.7,0.4,0,-0.2
 4ESS,ASP_138,2.75,-0.81,-0.44,0.2
 4HDE,LYS_53,10.61,-0.1,0.0,0.22
 1V8E,LYS_89,8.85,-0.72,0,0.07
 2PLQ,ASP_95,3.08,-0.81,-0.48,0.56
 2Q98,LYS_187,10.58,-0.43,0.03,0.49

1DCF,ASP_117,3.82,0,-0.17,0.18
3RFY,LYS_246,10.03,-0.33,0,-0.14
1L2H,LYS_92,11.85,-0.49,1.09,0.74
3FFM,LYS_131,10.47,-0.04,0,0.01
1PSW,CYS_262,12.28,0,0.07,3.22
1D2K,LYS_271,10.13,-0.49,0,0.12
1ZBP,LYS_5,10.34,-0.16,0,0
2CBE,LYS_76,10.95,-0.33,0.42,0.35
2RIK,LYS_236,10.4,-0.15,0,0.05
3UX2,HIS_89,6.39,-0.1,0,-0.01
1FHL,GLU_323,4.87,0.31,0,0.07
3Q2C,TYR_73,11.28,-0.92,-0.34,2.55
2B2H,ASP_66,2.48,-1.5,-0.49,0.67
1NJ4,GLU_65,4.49,1.08,-0.7,-0.4
3A7L,GLU_122,4.92,0.29,0,0.13
1BN6,TYR_35,11.07,0,0.09,0.98
1V43,LYS_112,9.77,-0.61,0,-0.11
1GQE,ARG_262,12.22,-0.82,0,0.54
2DG7,GLU_60,5.12,1.87,-0.53,-0.73
1WRU,GLU_27,4.58,1.05,-0.23,-0.74
2HRZ,GLU_290,4.55,0.05,0,0
1RLO,ARG_182,12.25,-0.65,0,0.4
3ETU,GLU_202,4.85,0.63,0,-0.28
1RSS,ARG_41,12.33,-0.22,0,0.05
3MEW,ARG_157,12.63,-0.09,0,0.23
2IQT,GLU_110,4.63,0.36,0,-0.22
1JB3,LYS_48,10.25,-0.17,0,-0.07
2P5D,TYR_141,11.79,0,0.24,1.55
2DG7,ARG_42,12.45,-0.05,0,0
3F7M,ASP_221,3.06,-1.54,-0.47,1.26
1NAF,GLU_220,3.89,0.24,-0.6,-0.25
1WYC,ASP_105,2.28,-1.39,-0.69,0.56
4EKU,CYS_310,11.52,0,0.37,2.15
2Q99,ASP_100,2.92,-0.81,-0.42,0.34
2AHE,ARG_61,12.64,-0.08,0,0.23
1G8P,GLU_291,4.97,0.52,-0.09,0.03
3I47,TYR_217,10.51,0,0.15,0.37
1OSJ,GLU_64,4.53,0.31,0,-0.28
1V6T,HIS_162,5.17,-1.68,0,0.34
1SIG,GLU_136,5.29,1.53,-0.29,-0.45
2B0J,LYS_160,10.5,-0.1,0,0.1
3GYW,ARG_132,13.87,-1.41,1.34,1.44
3EVP,HIS_82,4.09,-2.74,0,0.32
2D2S,LYS_747,10.56,-0.16,0,0.22
3OOP,HIS_20,6.3,-0.19,0,-0.01
3KT9,GLU_78,4.15,0.65,0,-1
2ROS,ASP_269,2.55,-1.57,-0.08,0.4
2NRR,GLU_444,2.97,0.36,-1.16,-0.73
1LZL,ASP_60,4.12,0.0,0.14,0.18
2FL4,ASP_40,3.96,0,0,0.16
1SBX,TYR_191,10.49,0.33,0,0.16
1AK1,HIS_183,4.9,-2.43,0.81,0.02
1MD6,GLU_39,4.88,1.12,-0.82,0.07
1NAF,GLU_188,4.83,0.12,0,0.21
3BPP,TYR_179,10.61,0,0.17,0.23
2Q07,TYR_453,10.11,0,-0.19,0.3
1R29,HIS_14,6.37,-0.22,0,0.09
2FPN,ARG_13,12.47,-0.19,0,0.15
3RKV,ARG_316,12.78,-0.34,0.28,0.34
3O48,GLU_127,3.91,0.26,-0.85,0
2HRZ,ARG_104,12.95,-0.35,0.34,0.47
1LFP,ARG_50,12.24,-0.42,0,0.17
4E8B,ARG_188,12.7,-0.63,0.19,0.64
2QDJ,TYR_292,11.33,0,0.56,0.77
1S7K,CYS_74,9.72,0,0.09,0.62
3IL3,GLU_301,7.87,3.59,-0.22,0
1OLR,ARG_127,11.67,-1.06,0,0.23
2A0J,HIS_67,5.29,-1.56,0.84,-0.49
3V4G,LYS_19,10.11,-0.23,0,-0.16
3H5T,ARG_148,13.07,-0.49,0.45,0.61
1YB2,LYS_248,10.23,-0.62,0,0.35
2D0A,ARG_309,12.22,-0.33,0,0.04
3EZ7,TYR_105,10.06,0,-0.13,0.19
3NBI,GLU_54,4.67,0.27,0,-0.1
2NRK,TYR_103,12.99,0.6,-0.12,2.51
3ULX,ARG_155,12.36,-0.14,0,0
2G5X,ARG_26,12.6,-0.3,0.01,0.39
3U0V,LYS_228,10.73,-0.95,0.68,0.51
1O6D,LYS_38,10.39,-0.16,0,0.04
2OGQ,ARG_581,12.28,-0.33,0,0.11
3V4G,LYS_117,10.41,-0.09,0,0
2YWX,LYS_143,11.05,-0.42,0.59,0.38
1NAR,GLU_29,4.47,0.07,0,-0.11
1G5Z,GLU_44,4.73,0.23,0,0
3HVM,TYR_27,10.19,0,0.1,0.09
3EAZ,TYR_112,10.09,0,0,0.09
3GMS,LYS_322,10.5,0,0,0
1TUL,GLU_30,4.36,0.3,-0.57,0.14
1R16,GLU_225,4.52,0.1,-0,-0.08
2RJD,HIS_477,5.52,-0.99,0,0.03
1NFN,GLU_109,4.67,0.26,0,-0.09
1J33,GLU_137,4.9,0.25,0,0.14
1XFK,LYS_225,10.82,-0.23,0.27,0.27
1EQ6,LYS_34,10.39,-0.11,0,0
1WXQ,LYS_51,10.71,-0.15,0,0.35
2B0A,LYS_60,10.41,-0.13,0.13,-0.08
2P0Y,ARG_289,12.79,-0.11,0,0.39
2H01,LYS_93,10.39,-0.19,0,0.08
1R15,ARG_59,12.53,-0.27,0,0.3
1BN6,ARG_129,13.07,-1.36,1.31,0.62
3E7P,GLU_91,4.6,0.25,0,-0.16
3G9G,CYS_221,9.7,0,0.42,0.29
3FHE,HIS_149,5.53,-0.7,0,-0.28
3EYE,ASP_126,4.02,-0.68,0.26,0.62
2FPN,HIS_203,6.26,-0.24,0,0
3EIZ,TYR_142,12.87,-0.04,0.15,2.75
1YTQ,GLU_22,3.77,0.29,-0.84,-0.17
3FRR,ASP_122,3.54,-0.68,-0.57,0.99
3LH5,ARG_742,13.83,-0.55,1.45,0.42
3EZ7,ASP_322,3.98,0,-0.03,0.21
2RIK,ARG_230,12.66,-0.22,0,0.38
3IPZ,GLU_156,4.5,0.2,0,-0.2
2EJX,ARG_78,12.32,-0.4,0,0.22
1MTZ,ASP_224,3.15,-1.63,-0.03,1
3LMF,HIS_20,6.26,-0.35,0,0.12
2H2W,LYS_255,10.38,-0.12,0,0
3UV9,TYR_389,10.29,0,-0.06,0.35
3PZ9,GLU_252,4.58,0.24,0,-0.16
3RLN,HIS_719,5.84,-0.6,0,-0.06
1FHL,GLU_326,4.68,0.18,0,0
2AZL,GLU_14,4.57,0.32,0,-0.25
2CBE,GLU_238,3.76,0.29,-0.83,-0.21
3CX5,ARG_180,12.36,-0.14,0,0
1JTR,ASP_141,2.18,-1.88,-0.61,0.86
1SIG,TYR_228,10.46,0,-0.2,0.66
3P28,HIS_189,6.81,-0.21,0.64,-0.12
3M9A,GLU_13,4.41,0.16,0,-0.24
2ROS,LYS_239,10.57,-0.24,0,0.3
3RVC,ARG_193,12.42,-0.09,0,0.01
1O0X,LYS_138,10.72,-0.45,0,0.67
1OIS,GLU_280,4.77,0.3,0,-0.03
3A7L,ASP_127,3.93,0,0,0.13
3FK5,ARG_231,12.47,-0.23,0,0.2
1YMS,GLU_168,4.68,0.25,0,-0.07
3RFY,TYR_223,10.52,0,0.28,0.25
2RJD,LYS_302,10.85,-0.19,0.14,0.4
3CGW,LYS_123,10.91,-0.22,0,0.63
4EKU,GLU_205,5.12,1.19,-0.64,0.07
3V75,ASP_258,2.93,-1.08,-0.13,0.35
2XHC,ARG_279,13.24,-0.76,0.68,0.81
2D7U,TYR_186,10.42,0,0.2,0.22
3OIP,ASP_178,3.58,-0.8,0,0.58
1DOV,TYR_245,10.8,0.05,0.74
3M7G,TYR_226,10.84,-0.83,-1.45,3.1
2H2W,LYS_295,10.49,-0.01,0,0
2EYI,LYS_106,10.38,-0.12,0,0
1RKA,ASP_66,3.43,-0.88,0.13,0.39
3F1X,HIS_66,6.58,-0.14,0.22,0
3BJV,TYR_44,10.4,0,-0.08,0.47
4FLE,ARG_121,12.92,-0.34,0.16,0.6
2B0J,HIS_201,5.25,-3.1,0.85,1
2Z14,ARG_100,12.45,-0.15,0,0.09
4EZB,ARG_45,12.32,-0.33,0,0.15
2H14,HIS_128,4.87,-2.9,0.85,0.41
2O0K,ARG_278,12.4,-0.1,0,0
2VGM,GLU_189,3.26,0.69,-1.38,-0.55
3FHF,GLU_153,3.66,1.59,-1.69,-0.74
2OJQ,LYS_471,10.61,-0.17,0,0.28
1YR6,GLU_183,4.64,0.65,-0.13,-0.37
2V1L,ARG_120,12.34,-0.22,0,0.06
2AXO,ARG_65,12.42,-0.29,0,0.21
3UV9,TYR_466,10.62,-0.48,0.06,1.04
3I0O,ARG_282,12.68,-1.21,0.45,0.94
1MUF,TYR_217,11.81,0.85,0.39,0.57
1YDL,LYS_6,10.43,-0.07,0,0
3HQX,ASP_71,3.86,0,-0.08,0.15
2CXK,ARG_53,12.46,-0.04,0,0
3US6,CYS_112,10.55,-0.28,0,1.83
2NMM,HIS_6,6.46,-0.04,0,0
1ZBM,HIS_22,6.21,-0.58,0.3,-0.02
3I47,LYS_221,10.06,-0.45,0,0.01
3PP8,GLU_182,4.19,0.32,-0.72,0.09
3LJL,ASP_115,4,0,-0.34,0.54
1DVO,ARG_143,13.96,-1.08,1,1.54
2ILR,GLU_318,4.7,0.22,0,-0.02
2FD5,ARG_170,12.42,-0.08,0,0
3ANJ,TYR_204,12.6,0.8,0.42,1.37
1TWU,GLU_31,4.6,0.28,0,-0.18
3BJV,GLU_155,4.65,0.14,0,0.02
3JSN,TYR_35,11.72,0,-0.11,1.83
1JLH,LYS_130,11.49,-0.38,0.85,0.52
3LD1,LYS_13,10.42,-0.4,0,0.32
3EST,GLU_200,4.49,0.36,0,-0.36
3A4C,ARG_528,12.46,-0.04,0,0
2Q12,LYS_152,10.36,-0.14,0,0
3AUF,ARG_167,12.96,-0.44,0.53,0.37
2CWC,HIS_48,6.54,-0.27,0.31
3I0O,ASP_243,3.87,0,-0.07,0.14
3L7N,HIS_141,2.56,-3.33,0.4,-1.02
1TXJ,ASP_111,3.92,0,-0.05,0.18
1FKM,ARG_482,13.15,-0.99,1.07,0.57
3COU,ASP_52,2.54,-1.35,-0.67,0.74
2D59,LYS_23,9.43,-1.08,0,0.01
3P28,GLU_197,3.94,1.45,-0.85,-1.17
2DG7,ASP_141,4.1,0.16,0.13
1160,TYR_42,11.81,0,0.28,1.53
2Z0M,ARG_312,12.41,-0.09,0,0
3PM2,ASP_98,4,0,-0.14,0.34
4DVD,ARG_68,11.75,-0.56,0,-0.19
3E7P,GLU_229,4.03,0.31,-0.46,-0.32
2QRX,LYS_75,10.14,-0.18,0,-0.18
2Q5X,ASP_763,4.09,0,0.05,0.24
3V55,TYR_620,10.47,0,0.17,0.3
2EEY,ASP_136,3.66,-0.5,0.02,0.34
2D2S,GLU_681,4.51,0.09,0,-0.08
2P65,LYS_77,10.41,-0.34,0,0.24
1RHS,ARG_110,13.33,-3.52,0.8,3.54
3AU3,GLU_601,3.37,0.34,-1.21,-0.26
2X4L,ASP_158,3.13,-0.7,-0.28,0.32
3A0X,GLU_645,5.08,0.37,0,0.22
1U53,LYS_41,10.69,-0.22,0.03,0.38
3T5B,ARG_199,11.69,-1.52,0.36,0.34
1P6F,ARG_70,12.3,-0.22,0,0.02
1NRI,ARG_26,12.39,-0.22,0.03,0.08
2R51,LYS_28,10.43,-0.29,0,0.23
2OSA,CYS_391,10.53,0,0.11,1.42
2FL4,TYR_51,10.24,0,0,0.24
1PSW,GLU_249,4.43,0.21,0,-0.28
1O59,GLU_311,4.92,0.5,0,-0.08
1C3K,ASP_136,4.02,0,0.22
4FH3,ARG_66,12.32,-0.27,0.0,0.09
1XKR,ASP_127,4.02,0,-0.04,0.26
2VGM,LYS_103,10.31,-0.2,0,0.01
3LJC,ARG_97,12.21,-2.47,0.97,1.21
3I47,GLU_78,4.58,0.08,0,0
2QV2,GLU_126,3.55,0.5,-0.9,-0.55
4FZQ,ASP_167,4.05,0.05,0.2
2CWC,TYR_112,12.43,0.85,0.58,0.99
2GZQ,LYS_124,10,-0.24,0,-0.26
3O16,GLU_69,4.64,0.12,0,0.02
1ZP2,ARG_115,12.38,-0.27,0,0.15
2WB8,TYR_667,11.27,-0.57,0.23,1.61
2E35,LYS_488,10.58,-0.35,0.11,0.31
2OYZ,LYS_84,10.3,-0.29,0,0.1
2FG1,ARG_122,12.88,-0.61,0.11,0.87
2H30,ASP_45,1.66,-2.43,-0.38,0.67
2BAA,ARG_55,12.46,-0.88,0,0.84
1MTZ,TYR_152,9.72,-0.57,-0.1,0.4
4H89,ARG_116,12.37,-0.36,0,0.22
1W7B,ARG_37,12.66,-0.14,0,0.29
3ANJ,GLU_10,2.81,1.3,-2.38,-0.6
3GG6,TYR_169,10.41,0,0.11,0.3
3OIP,GLU_172,3.73,0.23,-1.01,0
2G6D,LYS_249,10.48,-0.12,0,0.1
1O5T,HIS_375,5.44,-0.7,0,-0.36
2OJQ,GLU_617,4.62,0.17,0,-0.05
2QZQ,ASP_146,2.06,-2.08,-0.26,0.6
1FO9,GLU_258,3.32,0.79,-1.56,-0.41
1OGL,ASP_187,3.9,0,-0.09,0.19
2GEN,ARG_74,12.45,-0.05,0,0
1Y2Q,ARG_2,12.27,-0.34,0,0.11
4GA2,LYS_115,10.95,-0.18,0.18,0.44
2O8P,ASP_9,2,-1.65,-0.47,0.33
2EDM,LYS_59,10.35,-0.24,0,0.09
1LN4,GLU_38,4.06,0.7,-0.75,-0.4
3ODJ,TYR_53,10.69,0.26,0.43
2JEO,GLU_111,4.42,0.21,-0.29,0
3CX5,ASP_126,3.89,0,-0.15,0.24
3GS9,ASP_201,4.08,-0.64,0.22,0.71
2D7U,GLU_14,4.6,4.69,-2.48,-2.12
2FL7,TYR_101,12.05,0,0.53,1.52
3M66,ASP_165,1.71,-2.09,-0.42,0.42
1R15,ARG_126,12.51,-0.1,0,0.11
2BDV,LYS_63,11.38,-0.32,0.71,0.49

2B02,LYS_432,11.58,-0.31,0.85,0.53
 3E7P,LYS_100,10.31,-0.19,0,0
 2I88,LYS_469,10.31,-0.4,0,0.2
 3DTE,ASP_98,4.44,0.035,0.29
 1WOU,LYS_89,10.43,-0.07,0,0
 2GKG,ARG_115,13.43,-0.32,0.77,0.48
 200K,TYR_77,11.53,0.18,0.6,0.75
 1YG2,HIS_5,5.16,-0.97,0,-0.37
 1RI6,ARG_141,13.51,-0.27,0.84,0.43
 3BCH,ASP_44,3.33,-0.8,-0.09,0.41
 3CN5,CYS_127,11.38,0.0,2.38
 3B21,HIS_145,6.02,-2.29,0.85,0.96
 2ZCO,GLU_250,3.28,1.04,-1.32,-0.94
 1WXQ,ASP_47,3.81,0,-0.36,0.37
 3AU3,ASP_432,3.66,-0.29,0,0.14
 1RKA,ARG_129,13.5,-0.37,0.99,0.38
 1WNH,ARG_171,13.26,-0.45,0.51,0.7
 1J8B,ARG_54,12.79,-0.3,0.32,0.27
 3CN5,TYR_90,10.15,0.0,0.08,0.08
 3DSH,ARG_328,11.66,-1.35,0.21,0.31
 2POL,ASP_134,3.85,0,-0.17,0.22
 3OA7,ARG_528,12.27,-0.16,0,-0.07
 1YLN,ARG_140,12.52,-0.24,0,0.26
 1NAR,HIS_234,6.22,-0.28,0,0
 2H2Z,ASP_245,3.88,0,-0.09,0.17
 1ES9,ARG_154,12.91,-0.3,0.4,0.3
 1R29,HIS_46,6.01,-1.05,0.43,0.13
 1L2F,GLU_15,4.48,0.14,0,-0.16
 3ZRI,TYR_84,10.34,0,0.07,0.26
 3R87,ASP_42,4.17,0.0,21,0.15
 2X4L,LYS_264,10.91,-1.12,0.85,0.67
 1D2K,TYR_418,11.34,0.0,29,1.05
 2RIK,LYS_82,10.42,-0.1,0,0.02
 2GAU,TYR_140,9.97,0,-0.44,0.39
 3PP8,GLU_300,4.51,0.27,0,-0.26
 1ZHV,ASP_41,3.84,-0.18,0,0.23
 4AE7,LYS_231,10.22,-0.16,0,-0.12
 3VJ8,LYS_241,10.41,-0.08,0,0
 1MTZ,LYS_23,10.52,-0.21,0,0.23
 2QK1,LYS_469,10.43,-0.07,0,0
 2ZTY,CYS_147,11.08,-1.25,0,3.33
 2AD1,LYS_86,10.85,-0.25,0.19,0.41
 3G9D,HIS_91,6.05,-0.25,0,-0.21
 3RKV,ASP_331,3.96,0,-0.1,0.26
 3IU5,GLU_133,4.74,0.77,-0.54,0
 1D2K,TYR_350,11.47,-0.75,0.2,2.22
 2AZL,GLU_18,3.66,0.32,-0.78,-0.38
 1RI6,HIS_237,6.33,-3.16,0.95,2.03
 1C3K,LYS_67,10.6,-0.39,0.08,0.4
 2H01,LYS_126,11.47,-0.53,0.7,0.81
 2IXM,LYS_62,9.68,-0.83,0,0
 2W0G,ASP_170,3.95,0,-0.21,0.37
 3PP8,LYS_170,10.18,-0.39,0,0.07
 1XEU,HIS_103,7.37,-0.91,0.85,0.93
 2AXO,ARG_137,12.6,-0.62,0.37,0.35
 1U7U,ASP_375,3.83,-0.27,0.06,0.25
 2CBE,ASP_190,2.9,-1.05,-0.42,0.57
 2I6I,TYR_50,10.28,0.0,0.05,0.23
 1GQE,ARG_150,13.13,-0.35,0.63,0.35
 3BPV,LYS_61,10.39,-0.16,0,0.04
 2A4D,ASP_116,1.68,-2.49,-0.37,0.73
 3C2E,ARG_150,12.24,-0.55,0,0.29
 2PPN,LYS_105,10.79,-0.4,0.42,0.26
 3EX9,GLU_146,4.45,0.35,-0.02,-0.39
 2ZCX,GLU_81,3.79,0.96,-1.36,-0.32
 1Y2Q,GLU_55,3.08,0.61,-1.65,-0.38
 4H4J,ASP_91,3.98,0,-0.12,0.3
 2POY,ASP_316,3.65,-0.23,-0.21,0.3
 3NBI,ASP_195,3.99,0,0,0.19
 3BB7,GLU_44,4.8,0.3,0,0
 2FZ4,ARG_110,10.59,-1.86,0,-0.04
 1XIP,GLU_288,4.79,0.22,0,0.07
 2E0T,ARG_203,12.41,-0.09,0,0
 3QKY,ARG_175,13.23,-0.59,0.4,0.92
 1RHS,ARG_121,12.25,-0.51,0,0.27
 2CN1,GLU_136,4.24,0.45,-0.78,0.08
 1J33,GLU_280,5.75,2.53,-0.41,-0.87
 200K,ASP_131,3.96,0,0,0.16
 2Q99,ASP_159,3.79,0,-0.44,0.42
 2IN0,ARG_54,12.83,-0.35,0.04,0.64
 3FK5,HIS_113,7.22,-0.13,0.85,0
 2GAU,ARG_15,13.3,-0.18,0.46,0.51
 1L2H,LYS_16,10.58,-1.49,0.85,0.72
 3V46,TYR_341,13.32,-0.85,0.81,3.35
 1RKA,LYS_160,10.43,-0.07,0,0
 3JZN,LYS_106,10.03,-0.53,0,0.06
 1VJG,ARG_63,13.02,-1.93,1.3,1.14
 2FD4,GLU_537,4.64,0.18,0,-0.04
 3BQW,GLU_273,4.44,0.16,0,-0.21
 2R0S,LYS_188,10.48,-0.15,0,0.13
 1XDZ,ASP_30,4.44,0.0,0.04,0.61
 3S0A,LYS_18,10.3,-0.25,0,0.06
 1JSX,GLU_130,4.6,0.1,0,0
 4FLE,HIS_33,6.32,-0.13,0,-0.05
 1X6J,ARG_74,13.04,-0.16,0.46,0.24
 2PGX,ARG_74,12.28,-0.29,0,0.07
 2RIK,LYS_126,10.61,-0.12,0,0.23
 1SIG,ARG_232,12.57,-0.31,0,0.38
 1UXO,ASP_110,3.49,-0.83,0,0.52
 2YLF,HIS_80,6.07,-0.62,0.22,-0.04
 2QEV,TYR_127,11.49,0.0,49,1.01
 2Z61,ASP_111,3.61,-0.26,-0.17,0.23
 2DG7,ASP_74,3.22,-0.79,0,0.22
 3RFY,GLU_302,4.59,0.09,0,-0.01
 2PLQ,HIS_107,6.14,-0.7,0,0.33
 1PVT,HIS_81,5.89,-1.39,0.37,0.41
 1WYC,GLU_199,4.14,0.61,-0.82,-0.15
 2Q12,HIS_100,5.59,-0.91,0,0
 2AZL,GLU_213,4.62,0.12,0,0
 3DZ1,LYS_268,10.29,-0.26,0,0.05
 2WB8,LYS_773,10.11,-0.36,0,-0.02
 2G9D,GLU_29,4.52,0.08,0,-0.07
 3HVM,CYS_312,12.46,-0.48,0.31,3.62
 1EW4,ASP_29,4.03,0.0,0.01,0.21
 3EVP,LYS_79,10.56,-0.19,0,0.26
 1DVO,TYR_144,10.69,0.21,0.2,0.28
 2BCF,HIS_178,7.11,-1.14,0.85,0.91
 1U3Y,ASP_302,3.14,-1.0,0.0,0.04
 1MUJ,LYS_168,10.46,-0.18,0,0.14
 3ADO,ASP_221,3.82,-0.46,-0.42,0.91
 2B61,LYS_308,11.41,-0.34,0.77,0.48
 3FHF,HIS_0,7.06,-0.53,0.7,0.39
 2D7J,CYS_186,11.84,-0.07,-0.12,3.03
 2CN1,LYS_117,10.26,-0.42,0.0,0.18
 3F5D,TYR_131,11.86,0,0,1.86
 2B78,HIS_354,7.46,-1.16,1.66,0.47
 3EGN,GLU_433,4.78,0.25,0,0.03
 3I4T,LYS_234,11.46,-0.25,0.41,0.8
 3EOD,CYS_123,11.76,0.46,0.56,1.74
 1PDB,ARG_32,12.37,-0.27,0,0.15
 3GFP,ASP_363,3.13,-0.38,-0.54,0.24
 3PM2,ASP_73,3.3,-0.92,0,0.41
 2F9F,HIS_54,6.3,-0.16,0,-0.04
 1FO9,ARG_363,13.37,-0.52,0.81,0.58
 2FZP,HIS_312,5.74,-0.37,0,-0.38
 2PGX,ASP_48,2.79,-0.98,-0.47,0.45
 3CJW,LYS_362,10.24,-0.2,0,-0.06
 1GVP,LYS_87,10.43,-0.07,0,0
 3M7D,GLU_372,3.84,0.34,-0.61,-0.41
 2PIM,CYS_114,9.87,-0.24,0.08,1.04
 3EUR,GLU_75,5.02,0.2,0,0.32
 3UPD,HIS_149,4.67,-2.05,0.72,-0.5
 3OBS,ASP_104,2.21,-2.11,-0.19,0.7
 1RZ2,TYR_53,12.85,0.0,43,2.41
 2X4G,LYS_151,10.61,-0.35,0.12,0.34
 3E7P,HIS_68,6.91,-0.41,0.82,0
 2PPN,LYS_35,11.27,-0.39,0.8,0.37
 2YWJ,LYS_135,10.85,-0.4,0.37,0.38
 1EV8,HIS_57,5.03,-1.26,0,-0.21
 2OPJ,ARG_128,13.59,-3.53,0.8,3.81
 1MTZ,TYR_9,10.61,0,0,2.0.41
 2ZQ5,ARG_66,11.82,-0.66,0,-0.02
 3GS9,ASP_102,3.98,0,-0.02,0.21
 3SMD,GLU_12,4.76,0.26,0,0
 1WLJ,ARG_279,12.2,-1.68,0.58,0.81
 3U2R,GLU_135,4.96,0.38,0,0.08
 3U2R,LYS_56,6.15,-0.46,0,0.11
 3R3X,CYS_319,11.9,0,-0.05,2.93
 2HP7,GLU_154,3.55,1.55,-2.01,-0.5
 1YTD,GLU_23,4.63,0.23,0,-0.1
 1J7G,GLU_104,4.49,0.3,0,-0.31
 1MTZ,HIS_181,4.27,-2.62,0.69,-0.31
 1T6L,LYS_35,9.94,-0.33,0,-0.22
 3V75,ARG_173,13.11,-0.33,0.55,0.39
 3PBH,TYR_214,11.3,0.0,24,1.08
 3T5B,GLU_345,4.42,0.17,0,-0.25
 2FB6,GLU_109,3.6,1.32,-1.7,-0.52
 4F8A,ASP_587,3.82,0,-0.15,0.17
 2PWC,GLU_3,3.77,0.48,-0.98,-0.24
 3IOC,TYR_246,12.83,0,-0.05,2.89
 1KN3,ASP_134,2.48,-1.21,-0.38,0.26
 3IV4,ASP_50,4.28,0.0,0.03,0.45
 2FD5,ARG_66,11.94,-2.04,0,1.48
 3EVZ,ASP_55,3.49,-0.1,-0.64,0.42
 1IAP,ARG_232,12.66,-0.14,0,0.29
 2EOT,ARG_112,12.27,-0.16,0,-0.06
 3LPZ,ARG_14,12.48,-0.19,0,0.17
 3EJG,ASP_139,4.14,0,-0.15,0.49
 2H85,GLU_266,4.43,0.36,-0.08,-0.35
 2ZCO,ARG_34,12.92,-0.67,0.43,0.65
 3BTV,ARG_104,12.65,-0.26,0.05,0.35
 3V3T,GLU_61,4.54,0.21,0,-0.18
 2H8O,LYS_206,9.57,-0.56,0,-0.37
 2B0A,GLU_19,3.99,0.16,-0.65,-0.02
 3M7G,ARG_108,12.44,-0.2,0,0.14
 2B78,ARG_200,13.28,-2.19,1.24,1.72
 3RLE,GLU_154,4.72,0.15,0,0.07
 1MML,ASP_235,4.12,0.0,0.06,0.26
 1NIJ,GLU_171,4.13,0.26,-0.03,-0.61
 2X4L,LYS_250,11.08,-0.82,0.85,0.55
 3BCY,HIS_156,6.92,-0.41,0.78,0.05
 2AZP,ARG_272,12.75,-0.48,0.33,0.39
 3E7P,ASP_19,4.96,-0.01,-0.33,1.5
 3CO1,LYS_76,10.33,-0.17,0,0.01
 4ACJ,TYR_728,10.26,0.01,0.25
 1PV5,GLU_208,4.74,0.36,0,-0.12
 3Q9P,ARG_140,12.72,-0.26,0.1,0.38
 1OGL,LYS_251,10.22,-0.4,0,0.12
 1SFE,ASP_42,3.01,-0.69,-0.42,0.32
 3PZ9,LYS_205,10.08,-0.77,0,0.35
 3BA1,ARG_146,13.88,-0.51,1.35,0.54
 1Z9L,ARG_51,13.03,-0.81,0.78,0.57
 2WB8,ASP_578,3.08,-0.89,-0.39,0.56
 3M7O,ASP_114,3.62,-0.21,-0.3,0.33
 2VGM,HIS_290,7.35,-0.98,-1.53,0.25
 2OKT,LYS_40,10.88,-0.31,0.21,0.48
 2IQT,TYR_240,11.22,0.0,19,1.03
 3GV0,GLU_274,4.7,0.13,0,0.07
 2H2W,ARG_56,13.82,-1.64,1.78,1.18
 1YM5,CYS_88,12.12,-0.2,-0.02,3.35
 2EEY,ARG_158,12.69,-0.18,0,0.37
 1JYH,GLU_124,4.85,0.29,-0.04,0.09
 1U7U,CYS_274,13.81,0,0.57,4.24
 1A8Q,CYS_195,11.85,0,-0.72,3.57
 2YX0,LYS_133,10.44,-0.2,0,0.15
 1UCH,ARG_215,11.29,-2.07,0,0.87
 1OI7,LYS_222,10.64,-0.13,0,0.27
 1Q46,GLU_124,4.7,0.28,0,-0.08
 1O59,HIS_228,6.66,-0.16,0,0.32
 2EA9,HIS_61,6.12,-0.5,0,0.12,0
 3CCY,CYS_41,10.08,-0.1,-0.09,1.27
 3RAZ,GLU_142,4.34,0.23,-0.24,-0.14
 3H13,TYR_463,11.96,-0.38,0.39,1.95
 3LMO,ARG_20,12.44,-0.45,0.14,0.25
 1PVT,HIS_125,4.65,-1.55,0.47,-0.77
 3TWE,TYR_76,10.52,0.0,16,0.37
 1WJG,ARG_108,12.25,-0.25,0,0
 3ZTA,LYS_22,10.36,-0.17,0,0.03
 1RKA,ARG_276,12.28,-0.39,0,0.17
 2QOP,ARG_45,12.5,-0.11,0,0.11
 3LJN,GLU_311,3.97,0.24,-0.38,-0.39
 3PP8,CYS_164,10.64,-0.28,-0.09,2.01
 2H14,LYS_296,10.37,-0.22,0,0.09
 1UXO,HIS_83,6.4,-0.26,0,0.16
 2JKF,TYR_101,12.59,0.25,2.33
 1R6Y,GLU_35,4.49,0.15,0,-0.16
 1S17,LYS_293,10.46,-0.06,0,0.02
 2ZOW,GLU_15,3.78,0.23,-0.95,0
 3RAZ,ARG_103,12.02,-0.5,0.0,0.02
 3QAV,ASP_124,3.66,-0.35,0,0.22
 3GFP,GLU_356,4.56,0.19,0,-0.12
 4DIU,GLU_206,4.92,0.61,0,-0.19
 2V4U,HIS_480,2.88,-2.83,0.08,-0.88
 4ECC,HIS_31,6.06,-0.54,0,0.11
 2ZET,ASP_86,3.42,-0.50,-0.05,0.21
 3GG5,GLU_145,4.06,0.39,-0.82,-1.39E-17
 3GA2,GLU_159,4.26,0.17,-0.34,-0.07
 2AD1,ASP_30,3.97,0,-0.06,0.23
 3FHF,LYS_30,11.36,-0.42,0.85,0.43
 1PSW,LYS_92,10.36,-0.18,0,0.03
 4H4J,LYS_233,10.4,-0.13,0,0.03
 3PP8,ARG_55,11.52,-1.01,0,0.03
 4EKU,LYS_198,10.49,-0.01,0,0
 2VGY,TYR_47,11.24,0.0,46,0.78
 3VJ8,GLU_229,5.25,0.89,0,-0.14
 1L2F,LYS_134,11.4,-0.35,0.85,0.4
 1N81,TYR_49,12.66,0.0,52,2.14
 1X7F,GLU_343,4.47,0.48,-0.39,-0.12
 3EYE,GLU_55,4.61,0.11,0,0
 1O5T,LYS_96,10.46,-0.04,0,0
 3BQW,TYR_159,13.77,-0.31,0.75,3.33
 2RJD,TYR_275,10.57,0,0,0.57
 2CN1,GLU_185,4.28,0.22,-0.79,0.35
 2IF4,ASP_285,3.31,-0.26,-0.47,0.24
 3CX2,HIS_206,6.25,-0.49,0.02,0.23
 1JSX,CYS_151,12.08,0.0,0.04,3.05
 1P6F,GLU_137,4.72,0.89,-0.21,-0.47
 1YTD,ARG_127,11.95,-2.2,0.71,0.94
 1PZC,LYS_24,10.44,-0.4,0,0.35
 2CXY,LYS_65,10.39,-0.11,0,0
 2IF4,CYS_239,11.1,-0.35,-0.02,2.47
 1PDB,HIS_130,6.31,-0.61,0.36,0.07
 3M16,LYS_322,10.41,-0.09,0,0
 1J79,GLU_73,5.36,3.29,-2.17,-0.26
 4FZR,GLU_159,4.68,0.25,0,-0.08

1X04,ARG_142,12.28,-0.41,0,0.19
3BPP,ARG_66,12.7,-0.18,0,0.38
1PZC,LYS_117,10.92,-0.17,0.22,0.37
2OKT,LYS_88,10.56,-0.19,0,0.24
3EJC,GLU_28,3.64,0.39,-0.83,-0.42
2PP6,ARG_19,12.26,-0.24,0,0
1LTU,ASP_105,3.91,-0.28,0,0.39
1LTU,ARG_226,13.05,-1.88,1.51,0.92
3L7N,CYS_162,10.9,-1.61,0.49,3.04
1TP6,CYS_127,9.78,0,0.21,0.57
3JZN,HIS_185,5.79,-0.4,0,-0.31
2B6P,HIS_122,6.19,-0.31,0,0
3S0A,GLU_73,4.78,0.29,0,0
3G53,ARG_27,12.61,-0.24,0,0.34
1OST,LYS_432,10.48,-0.15,0,0.12
1P4X,LYS_8,9.87,-0.93,0,0.29
4AM1,ASP_41,2.62,-0.85,-0.68,0.35
3ADO,CYS_141,12.75,0,0.21,3.54
2B02,ARG_379,13.92,-0.56,1.35,0.63
3A7L,ASP_86,3.95,0,0.15
2FBI,LYS_139,10.46,-0.11,0,0.07
3B7X,HIS_67,6.17,-0.35,0,0.02
3EVZ,ASP_192,3.45,0,-0.57,0.21
1WNH,ASP_186,3.32,-1.85,-0.2,1.56
2YT4,ARG_570,13.39,-0.49,0.66,0.72
3SMD,ASP_96,2.07,-1.64,-0.71,0.62
1OLR,HIS_138,5.82,-0.6,0,-0.08
3CX2,CYS_249,9.75,0,0.1,0.64
1RWZ,LYS_199,11.54,-0.28,0.85,0.47
1KN3,ASP_96,3.98,0,-0.16,0.34
3DB9,LYS_100,10.46,-0.2,0,0.16
1TD6,LYS_185,10.43,-0.07,0,0
1G8P,ARG_229,12.57,-0.12,0,0.18
2QK0,ARG_80,13.39,-0.4,0.84,0.44
1ZBM,LYS_24,10.55,-0.21,0,0.26
2R57,CYS_359,11.29,-0.23,-0.28,2.8
1ZBS,GLU_80,3.91,0.26,-0.46,-0.38
4H86,GLU_45,4.58,0.26,0,-0.18
1ZCE,LYS_13,11.14,-0.21,0.47,0.38
3ASA,GLU_377,4.7,0.1,0.0,1
3ZTA,HIS_29,6.43,-0.16,0,0.1
2YWJ,TYR_104,13.47,0.85,0.57,2.05
3PZ9,LYS_265,10.62,-0.22,0,0.34
3FFM,GLU_143,4.84,0.23,0,0.11
1XWM,GLU_91,5.29,1.31,-0.68,0.16
4DBX,ARG_178,13.62,-0.27,0.64,0.75
3BZT,TYR_272,10.31,0,0.31,0.27
2ZQ5,GLU_172,7.03,3.2,-1.43,0.76
3O16,GLU_172,4.65,0.28,0,-0.13
3UC9,ASP_55,2.57,-1.64,-0.66,1.08
2O4D,GLU_22,4.2,1.6,-1.49,-0.41
1RZ2,GLU_59,3.95,0.56,-0.8,-0.3
4EVF,HIS_146,4.32,-1.93,0,-0.24
1TR9,GLU_307,3.68,0.26,-0.95,-0.14
3B4D,LYS_223,10.35,-0.1,0,-0.05
1T6L,HIS_145,5.88,-1.15,0.85,-0.31
3LJI,HIS_180,6.59,-0.61,0.79,-0.1
3SMD,LYS_73,10.39,-0.11,0,0
3K8J,ARG_61,12.51,-0.36,0,0.36
1ZBS,TYR_248,12.11,-0.97,0.03,3.06
3F1X,ARG_164,13.25,-2.83,1.36,2.22
1XIP,ASP_74,2.9,-0.69,-0.44,0.23
4DBX,ASP_237,3.98,0,0.18
3I4T,ASP_225,2.98,-0.96,-0.35,0.49
3LJC,LYS_239,10.42,-0.08,0,0
3OIP,LYS_147,11.46,-0.28,0.85,0.38
2C13,GLU_77,5.47,4.2,-1.64,-1.59
1O17,ARG_117,11.81,-0.88,0,0.19
3RFY,ARG_196,11.96,-0.44,0,-0.1
3M70,TYR_103,12.37,0.85,0.36,1.16
1TD6,HIS_140,5.85,-0.39,0,-0.26
1S7K,CYS_134,10.91,0,-0.03,1.93
3EJC,LYS_6,10.44,-0.06,0,0
3RUX,TYR_267,10.39,-0.24,-0.29,0.92
4H89,TYR_33,11.95,-0.42,0.62,1.74
2CWY,ARG_13,12.58,-0.33,0.06,0.35
1UAI,ARG_183,12.46,-0.04,0,0
2FM9,ASP_223,3.03,-1.38,-0.13,0.73
3EVZ,LYS_244,9.96,-0.71,0,0.17
2WB8,GLU_530,3.92,0.31,-0.85,-0.04
2R51,TYR_194,10.68,0,0.32,0.36
2FL4,LYS_14,10.33,-0.31,0,0.12
3FTT,LYS_127,10.2,-0.36,0,0.06
2EYI,HIS_170,5.35,-0.95,0.04,-0.24
2PGX,ASP_58,3.47,-1.08,-0.3,1.05
3CN5,HIS_260,5.14,-1.11,0,-0.25
1SQH,ARG_207,12.13,-0.41,0,0.05
1YTD,ASP_49,3.79,-0.18,-0.06,0.23
1V8E,ARG_54,12.61,-1.29,0.54,0.85
3N0K,ARG_33,12.22,-0.28,0,0
2EEY,HIS_97,5.92,-0.62,0,0.04
1MUF,ARG_323,12.38,-0.34,0,0.21
2DFL,ARG_242,12.91,-0.23,0.3,0.34
1CHD,GLU_156,5.04,1,0,-0.45
3CN5,TYR_122,12.45,-0.7,0.08,3.07
3SMD,TYR_7,11.71,0,0.39,1.31
3M3P,ARG_82,12.41,-0.27,0,0.18
2EFK,ARG_35,13.11,-0.57,0.73,0.45
1HF8,ASP_263,4.3,0,0.22,0.28
2AD1,ASP_280,3.88,-0.85,-0.65,1.59
2CN1,TYR_103,13.62,0.69,2.92
3EVZ,ARG_40,12.15,-0.35,0,0
2W1R,GLU_159,4.53,0.43,0,-0.4
2AHE,GLU_241,4.84,0.6,0,-0.25
1JB3,ARG_84,11.7,-1.02,0,0.24
1J85,GLU_53,2.59,0.69,-2.2,-0.41
3G9G,LYS_152,9.76,-0.61,0,-0.13
2CVB,LYS_49,10.66,-0.29,0,0.44
1P1L,ARG_88,12.43,-0.07,0,0
3M3P,GLU_135,4.94,1.68,-0.76,-0.46
3MEW,ARG_208,12.31,-0.13,0,-0.06
2B78,ARG_281,12.23,-0.31,0,0.04
2WZ9,ARG_114,12.39,-0.24,0,0.13
4FCU,ARG_165,12.44,-0.07,0,0.01
4AE7,GLU_179,4.75,0.25,0,0
4EFS,HIS_332,5.42,-1.29,0.66,-0.45
4F3J,HIS_237,6.44,-0.38,0.04,0.27
3CS1,LYS_165,11.17,-0.31,0.37,0.61
2QV2,TYR_51,10.97,0.43,0.55
3LJN,GLU_119,3.57,0.27,-0.76,-0.44
2I6I,ARG_127,12.31,-0.62,0.11,0.32
2ATR,LYS_110,9.95,-0.29,0,-0.26
2H85,TYR_278,12.34,0,0.63,1.71
3M7G,GLU_186,4.67,0.39,-0.11,-0.1
3LJC,HIS_24,5.91,-0.75,0,0.15
1NAF,ASP_171,2.88,-0.39,-0.63,0.1
4HET,ARG_376,12.08,-0.26,0,-0.17
4HDE,TYR_183,10.94,-0.06,0.04,0.96
1F2V,ARG_87,12.1,-0.5,0,0.1
2ATR,LYS_89,10.36,-0.14,0,0.01
3OIP,TYR_70,13.8,0,0.7,3.1
1EQ6,ASP_126,3.72,-0.85,0,0.77
2BCF,LYS_106,10.7,-0.2,0.08,0.34
1R16,TYR_51,9.68,-0.58,-0.38,0.64
2GZQ,ARG_190,12.45,-0.22,0,0.16
4DBL,TYR_49,10.01,0,-0.07,0.08
3NR5,GLU_70,3.97,0.94,-1.65,0.18
1ILW,ARG_135,13.53,-0.64,1.2,0.47
2CWC,ARG_234,12.2,-0.36,0,0.06
2IRM,ARG_173,12.38,-0.17,0,0.05
3LQE,ARG_322,12.33,-0.74,0,0.57
2BQQ,ASP_81,4.05,0,0,0.25
3H5T,ARG_222,12.67,-0.99,0.6,0.56
1KN3,ASP_174,2.87,-2.25,-0.05,1.37
3EIZ,TYR_130,10.23,0,0,0.23
3DSH,ARG_396,12.5,-0.04,0,0.04
4E9E,ASP_495,3.05,-0.91,-0.28,0.43
2HZ2,ASP_216,4.06,-0.54,-0.17,0.98
2H14,GLU_322,4.11,0.34,-0.77,0.04
2AH5,TYR_103,11.69,0,0.46,1.22
2PGE,ARG_80,12.25,-0.39,0,0.14
1XTD,GLU_109,4.55,0.07,0,-0.02
1WLY,CYS_89,13.24,0,0.31,3.92
1DTO,HIS_56,6.28,-0.22,0,0
3GV0,GLU_121,4.45,0.13,0,-0.19
3CAX,ARG_394,12.51,-0.28,0.04,0.25
3JSN,ASP_135,2.34,-1.74,-0.13,0.41
3LQE,GLU_292,4.88,0.38,0,-0.01
3F6F,GLU_196,4.45,1.06,-0.48,-0.63
1WXQ,ASP_98,4.44,-0.18,0.25,0.57
3HGN,HIS_47,6.72,-0.34,0,0.55
2O8I,ASP_136,3.91,0,-0.12,0.23
2WZ9,LYS_111,11.26,-0.49,0.85,0.41
2OSA,GLU_334,4.7,0.19,0,0.01
1AT0,GLU_307,3.56,0.29,-0.85,-0.38
1MTZ,TYR_159,11.51,0.68,0.38,0.45
3IVF,GLU_252,3.41,0.18,-0.76,-0.51
3ADO,HIS_294,7.4,-0.34,0.85,0.38
2X4L,ASP_262,3.17,-0.85,-0.02,0.24
1IDK,ARG_236,11.39,-2.19,0.1,0.98
1LZL,GLU_307,3.48,1.25,-1.7,-0.57
3T57,HIS_119,6.06,-0.38,0,-0.07
2H85,TYR_324,12.11,-0.85,0.04,2.91
3PM2,ARG_74,13.16,-0.51,0.81,0.36
2OOK,LYS_99,10.3,-0.19,0,-0.01
4EVF,ASP_16,3.82,0,-0.37,0.39
2IXM,ASP_113,3.98,0,-0.33,0.5
2DG7,ASP_5,2.16,-1.64,-0.52,0.53
1NJG,GLU_115,4.55,0.09,0,-0.04
1SFE,GLU_111,4.69,0.19,0,0
1OST,HIS_387,6.01,-0.97,0.5,-0.03
3T8R,GLU_33,4.74,0.25,0,0
2OKT,ARG_100,13.48,-1.89,1.58,1.3
1RI5,ASP_203,3.89,0,0,0.09
3F53,LYS_170,10.5,-0.06,0,0.06
1DCF,HIS_81,5.83,-0.28,0,-0.39
2PLQ,TYR_227,11.52,0.01,1.37
1RI5,GLU_202,4.6,0.1,0,0
2H85,GLU_41,4.98,0.38,-0.14,0.24
1Y2Q,LYS_59,12.23,-0.58,1.46,0.84
3HUE,ARG_316,12.78,-0.21,0.11,0.38
2F9F,GLU_79,3.75,0.18,-1.04,0.1
2FZP,CYS_291,10.53,-0.18,0.23,1.49
2ZCO,HIS_78,6.62,-0.83,0.8,0.14
1X04,GLU_68,4.19,1.02,-0.85,-0.48
1ZHV,LYS_114,11.07,-0.22,0.47,0.33
2B3M,ARG_111,12.81,-0.21,0.27,0.25
2ROS,HIS_177,6.17,-0.3,0,-0.03
2C2Y,ARG_12,12.65,-0.8,0.35,0.6
1ZHV,HIS_124,5.87,-1.36,0.81,-0.08
1YLN,ARG_94,12.02,-0.42,0,-0.06
1WYC,HIS_38,6.79,-0.68,0.82,0.14
1X7F,CYS_165,10.98,-0.63,0.09,2.52
3VHJ,LYS_121,11.29,-0.17,0.55,0.41
3GA2,ARG_180,11.93,-0.74,0,0.16
2E3S,ARG_582,12.31,-0.29,0,0.09
1OLR,ARG_84,12.57,-0.18,0,0.25
3OIP,CYS_124,12.47,0,-0.05,3.52
3CQ1,GLU_22,4.92,0.24,0,0.18
3CJW,ASP_235,3.89,0,-0.07,0.16
3CBN,ARG_118,12.9,-1.22,0.82,0.79
2E0T,HIS_119,6.24,-0.21,0,0.05
2W0G,GLU_201,4.63,0.09,0,0.04
1XTZ,LYS_185,10.72,-0.13,0,0.35
2V1L,GLU_40,4.72,0.12,0,0.09
3P28,GLU_94,3.62,0.33,-1.22,0
1WXF,CYS_94,9.63,-0.27,-0.07,0.97
2OYZ,TYR_93,11.74,0.08,1.11,0.56
3KT9,TYR_94,11.9,0.85,0.41,0.64
2AXO,GLU_47,4.24,3.93,-2.16,-2.03
4GCO,ASP_241,2.59,-1.6,-0.04,0.44
1N81,LYS_156,10.27,-0.15,0,-0.08
2JEO,ASP_159,3.62,-0.36,-0.52,0.69
2Q12,TYR_48,10.52,0.01,0.18,0.34
2D0A,HIS_226,5.39,-1,0,-0.1
3GE9,ARG_97,12.41,-0.09,0,0
3AU3,ASP_397,3.63,-0.24,0,0.06
3SMD,LYS_9,10.39,-0.11,0,0
3JSN,ARG_202,13.43,-0.57,1.06,0.44
1J33,ASP_14,4.08,0,-0.18,0.46
1ZBS,ARG_103,12.87,-1.51,0.33,1.55
2AHE,HIS_196,4.07,-2.22,0,-0.21
3CRM,ASP_302,3.54,-0.84,-0.01,0.59
3U2A,ARG_109,12.37,-0.33,0,0.21
3IL3,GLU_57,4.14,0.91,-0.85,-0.42
1Z3X,ARG_189,12.19,-0.48,0,0.17
1JKS,TYR_129,10.15,-0.72,0.06,0.82
4DVD,GLU_103,3.87,0.42,-0.72,-0.33
2QVO,GLU_56,4.56,0.13,0,-0.07
3EX9,CYS_80,10.16,0,0.1,1.17
2AZL,ASP_35,2.79,-1.15,-0.54,0.68
2Q07,LYS_470,10.43,-0.07,0,0
1O59,GLU_129,3.01,0.99,-1.7,-0.78
1HF8,LYS_221,10.11,-0.53,0,0.14
2NMU,ARG_125,13.24,-1.3,1.25,0.79
4AM1,ARG_256,12.17,-0.35,0,0.02
1XIP,ARG_181,11.79,-1.38,0.22,0.45
3M66,LYS_275,10.42,-0.16,0,-0.06
2PWQ,GLU_42,4.88,0.29,0,0.08
2GZQ,ARG_84,12.32,-0.08,0,-0.1
2H80,ARG_42,13.84,-0.68,1.13,0.9
2CXC,GLU_33,3.9,0.35,-0.61,-0.35
3PZ9,TYR_114,12.68,0.85,0.64,1.19
1WRU,LYS_250,10.44,-0.09,0,0.03
4FZR,ASP_200,4.01,-0.23,0,0.44
3ONH,ASP_479,2.71,-2.09,-0.35,1.36
3V46,GLU_374,4.2,0.25,-0.29,-0.26
2WB8,GLU_516,4.35,1.75,-1.26,-0.64
2PP6,CYS_31,10.66,0.05,1.61
3K8J,LYS_43,10.46,-0.23,0,0.36
2YWJ,CYS_75,12.04,-0.1,0.02,3.12
3FTT,HIS_114,6.29,-0.6,0,0.39
3JZ9,ASP_512,2.88,-0.85,-0.4,0.34
4DBX,LYS_155,10.55,-0.11,0,0.16
2CIU,LYS_118,10.5,0,0,0
1OGL,LYS_60,10.46,-0.26,0,0.21
2CIU,HIS_221,6.82,-0.29,0.63,-0.03
3DHN,TYR_92,11.57,0,0,1.57
2C2Y,ASP_105,3.61,-0.5,0,0.32
2G3A,LYS_80,10.4,-0.1,0,0
1X9G,LYS_185,10.2,-0.26,0,-0.05
3F7M,HIS_173,10.74,-2.17,2.45,3.96
3V75,GLU_272,4.76,0.49,0,-0.23
1R5Q,LYS_35,10.25,-0.34,0,0.08
3G9T,HIS_74,3.67,-3.19,0.84,-0.49
3IV4,LYS_19,10.86,-0.26,0.27,0.34

2VAN,ASP_130,3.39,-0.51,-0.28,0.38
 4FCU,LYS_169,10.47,-0.03,0,0
 3V75,GLU_191,4.69,0.18,0,0.02
 3CIV,ASP_30,4.03,0.09,0.14
 2CWC,ARG_176,12.29,-0.82,0.49,0.13
 4D8L,GLU_7,4.08,0.24,-0.46,-0.19
 3C5V,GLU_225,4.33,0.7,-0.85,-0.03
 1AK1,GLU_23,3.53,0.31,-0.85,-0.43
 2C2Y,ARG_195,12.5,-0.06,0,0.07
 1J33,ARG_12,13.56,-0.78,1.46,0.38
 3P28,TYR_58,13.39,-0.85,0.09,4.15
 2H8O,ARG_137,12.04,-0.35,0,-0.11
 1D7O,GLU_74,4.91,0.41,0,0
 3IL3,LYS_234,10.35,-0.33,0,0.18
 2B3M,GLU_151,4.09,0.32,-0.27,-0.47
 3V75,ARG_12,13.92,-0.36,1.3,0.48
 2E0T,GLU_117,4.36,0.31,-0.02,-0.43
 3ELI,ARG_93,12.12,-1.08,0.41,0.29
 3ETU,ARG_269,11.41,-1.21,0,0.13
 2PIM,GLU_39,3.85,0.53,-0.51,-0.66
 3DHN,ASP_181,4.12,0.04,0.28
 3C6B,TYR_123,13.18,-0.01,0.06,3.14
 1X91,GLU_74,5.45,0.66,0,0.3
 2CWY,ARG_60,12.41,-0.09,0,0
 1EV8,ASP_89,3.65,-0.82,0.34,0.33
 1YDL,TYR_22,10.11,0,0,0.11
 1ZP2,TYR_84,10.17,-0.57,-0.07,0.82
 2A0J,ARG_35,12.55,-0.08,0.0,0.13
 3DB9,ASP_98,3.79,0,-0.22,0.21
 3ERF,GLU_204,5.21,0.19,0.18,0.35
 2QOP,HIS_51,5.54,-0.71,0,-0.25
 1BKR,LYS_2,10.38,-0.12,0,0
 1YB2,ASP_195,4,0,0,0.2
 3G53,ASP_194,4.23,0.0,0.24,0.19
 1UXO,LYS_24,10.45,-0.24,0,0.19
 1S1Y,GLU_68,4.66,0.36,0,-0.2
 1G5Z,LYS_92,10.26,-0.28,0,0.04
 3H04,LYS_29,9.94,-0.61,0,0.05
 1J5X,ARG_106,12.19,-0.28,0,-0.04
 1JKS,GLU_17,3.71,0.24,-0.65,-0.38
 4ETX,ARG_239,12.5,-0.25,0,0.25
 1S7K,GLU_153,2.99,0.6,-1.69,-0.41
 3IL3,LYS_132,10.45,-0.34,0,0.29
 3LH5,ASP_547,3.45,-0.72,0,0.37
 2E3C,LYS_435,9.93,-0.59,0,0.02
 3RLN,LYS_627,10.29,-0.21,0,0
 1ES5,LYS_61,10.8,-0.19,0,11,0.37
 3LMO,ASP_42,4.17,0,0.06,0.31
 1MUF,ARG_312,11.93,-2.4,0,1.82
 1XEU,LYS_175,10.72,-0.31,0,0.54
 3E7P,HIS_205,6.57,-0.73,0.26,0.54
 2FBQ,GLU_20,3.88,0.43,-0.78,-0.28
 1ZCU,CYS_97,12.08,-0.79,0.05,3.82
 2CWY,ASP_4,3.2,-0.93,-0.01,0.35
 3M7G,TYR_238,11.93,0.05,9,1.35
 2PP6,ASP_3,4.02,0,0,0.22
 2XW5,ARG_47,13.15,-0.25,0.49,0.41
 3E27,LYS_316,10.41,-0.09,0,0
 1YR6,ARG_155,12.21,-0.37,0,0.09
 2P5D,GLU_66,3.95,0.68,-0.53,-0.7
 2ZOM,ARG_230,12.39,-0.34,0,0.22
 1W7B,LYS_204,11.1,-0.25,0.47,0.38
 3ETU,GLU_155,3.59,0.25,-0.85,-0.31
 2VAN,ASP_332,2.78,-0.85,-0.56,0.39
 1KCM,GLU_249,4.56,0.29,0,-0.23
 1YG2,CYS_55,9.43,0,0,0.43
 1YOY,ARG_166,12.33,-0.17,0,0
 1NIJ,LYS_220,10.51,-0.17,0,0.17
 2OPJ,ARG_170,12.29,-0.31,0,0.11
 3K8J,TYR_127,10.72,-0.18,0.02,0.89
 4D8L,ASP_241,2.86,-0.75,-0.59,0.41
 1H4U,LYS_407,11.12,-0.37,0.61,0.38
 1ZYI,TYR_128,9.79,-0.31,-0.42,0.52
 1YB2,LYS_115,10.43,-0.07,0,0
 2Z61,LYS_280,10.38,-0.15,0,0.02
 3P51,TYR_46,9.78,-0.31,-0.29,0.38
 1S1Y,GLU_40,4.72,0.25,-0.02,0
 4AM1,ARG_129,11.67,-3.4,0,2.57
 1ZHV,ARG_18,12.54,-0.24,0,0.28
 1V43,LYS_187,10.49,-0.14,0,0.13
 1TR9,LYS_47,10.47,-0.11,0,0.08
 2PLQ,LYS_278,10.34,-0.33,0,0.16
 1SQH,ARG_47,12.56,-0.11,0,0.17
 1R3F,CYS_193,10.21,-0.6,-0.08,1.88
 2OEW,GLU_174,4.6,0.1,0,0
 2F8H,ARG_360,12.16,-0.8,0.0,0.46
 2IF4,GLU_43,3.98,0.12,-0.64,0
 1JB3,HIS_122,6.65,-0.17,0.12,0.2
 1GXN,LYS_592,10.56,-0.34,0,0.4
 1ZCE,LYS_82,11.52,-0.23,0.75,0.5
 2I6I,ARG_130,12.38,-0.35,0,0.22
 3ONT,ASP_39,4.33,0.0,0.3,0.23
 3DHN,TYR_219,11.33,-0.66,0.59,1.41
 4GCO,LYS_189,10.61,-0.33,0.03,0.4
 3C2E,CYS_255,9.96,0.16,0.81
 2GAU,GLU_142,4.72,0.23,0,-0.01
 1J5X,GLU_196,3.37,0.37,-1.1,-0.39
 3ASA,GLU_283,4.05,0.9,-0.9,-0.46
 2HRZ,GLU_216,4.36,0.26,-0.16,-0.23
 1ZHV,ARG_4,12.37,-0.13,0,0
 2FD5,GLU_118,4.53,0.27,0,-0.24
 1AIL,LYS_62,10.23,-0.43,0,0.15
 2H85,LYS_289,10.6,-0.38,0,0.49
 2H8O,LYS_178,10.04,-0.73,0,0.27
 1R15,GLU_133,4.52,0.35,0,-0.33
 1JKS,GLU_100,6.31,1.15,0,0.66
 1CHD,TYR_243,10.82,-0.19,-0.11,1.11
 1XFK,CYS_246,11.39,-0.06,-0.29,2.73
 2BLI,ARG_426,10.75,-2.57,0,0.83
 2H01,GLU_60,4.74,0.25,0,-8.67E-18
 3RLE,ASP_106,4,0,0,0.2
 2AHE,TYR_128,13.36,0.59,0.43,2.33
 3EAZ,ASP_141,2.54,-2.08,-0.05,0.87
 3DSH,LYS_401,10.19,-0.11,0,-0.21
 3PP8,GLU_233,5.12,1.49,-0.9,0.02
 3KV0,TYR_186,13.53,0.51,0.07,3.46
 3IOO,GLU_80,4.12,0.32,-0.66,-0.03
 3EVP,LYS_237,10.91,-0.29,0.22,0.47
 3O48,GLU_73,4.54,0.14,0,-0.1
 2F8H,ARG_298,12.98,-0.24,0.25,0.47
 1ZCE,ASP_147,3.97,0.02,0.15
 1ZBM,LYS_66,10.63,-0.16,0,0.29
 3A4C,GLU_516,4.86,0.48,0,-0.11
 3FK5,TYR_33,11.78,-0.68,0.31,2.16
 3CO1,HIS_57,5.76,-0.23,0,-0.52
 2F8H,LYS_202,10.28,-0.36,0,0.14
 3P51,GLU_109,3.99,0.78,-0.8,-0.49
 4EF5,CYS_257,13.17,0.0,23,3.94
 2HRZ,ARG_176,12.33,-0.15,0,-0.02
 1R9W,ASP_342,3.98,0,-0.06,0.24
 1IAP,CYS_78,11.57,-0.06,0.03,2.6
 2VGM,ARG_332,12.63,-1.76,0.85,1.04
 3CAX,ASP_365,4.22,-0.81,-0.46,1.69
 1WP5,ARG_23,12.34,-0.15,0,-0.01
 1YG2,ARG_42,12.16,-0.35,0,0.01
 4DIU,LYS_80,10.72,-0.2,0,0.42
 2H8O,ARG_299,12.78,-0.38,0.29,0.37
 3IRA,GLU_37,4.05,0.31,0,-0.76
 3M7G,ARG_193,13.27,-0.52,0.47,0.82
 3B87,HIS_305,3.07,-3.43,0,0
 3GW3,LYS_242,10.42,-0.1,0,0.01
 2H14,LYS_165,9.94,-0.65,0,0.09
 2IXM,HIS_31,6.44,-0.35,0.25,0.04
 2QV2,GLU_148,3.99,0.26,-0.76,0
 2YXO,HIS_69,4.88,-1.87,0.85,-0.61
 3FFM,ASP_150,4.12,0,-0.28,0.6
 3CQ1,ASP_35,3.56,-0.38,-0.26,0.4
 2PGX,LYS_2,10.59,-0.11,0,0.2
 1Z3X,GLU_200,2.68,0.56,-1.92,-0.46
 2WB3,LYS_304,10.38,-0.12,0,0
 1EW4,CYS_80,8.04,-2.36,0.28,1.12
 2JKF,TYR_89,10.51,0,0.3,0.21
 1TJE,ARG_72,11.72,-0.9,0,0.12
 3ANJ,ASP_241,3.43,-0.39,-0.29,0.31
 2D1V,LYS_122,10.4,-0.09,0,-0.01
 1YM5,GLU_118,4.6,0.1,0,-0.01
 2XMZ,GLU_144,4.49,0.16,0,-0.17
 1ANU,LYS_7,10.6,-0.22,0,0.32
 2PLQ,ARG_264,13.8,-0.73,1.41,0.61
 3LJN,LYS_133,10.48,-0.02,0,0
 1EYH,ARG_25,12.48,-0.53,0.09,0.42
 2GYZ,ARG_71,12.61,-0.17,0,0.28
 1YW5,ARG_175,12.4,-2.68,1.2,1.39
 1OTM,LYS_187,10.41,-0.12,0,0.03
 3ZSL,GLU_185,4.39,1.08,-0.79,-0.4
 3LJN,GLU_31,3.64,0.37,-0.82,-0.41
 2D7J,ASP_130,4.51,0,-0.09,0.79
 3VJ8,TYR_174,11.32,0.53,-0.03,0.81
 3HVM,TYR_137,10.55,0,0.19,0.36
 3G9G,GLU_45,4.67,0.2,0,-0.03
 2EHG,GLU_120,4.87,0.38,0,-0.01
 2D7U,ASP_297,4.26,-0.07,0.11,0.41
 1W0U,CYS_69,12.55,0.07,3.48
 1PNE,LYS_69,9.69,-0.56,0,-0.25
 2EYI,ASP_138,3.5,-0.44,-0.45,0.58
 3M7O,LYS_164,11.05,-0.38,0.52,0.4
 4F85,ARG_204,12.56,-1.01,0.58,0.48
 4AE7,LYS_53,10.51,-0.27,0,0.28
 1MSI,ARG_168,12.41,-0.3,0,0.21
 3V46,ASP_348,2.99,-0.74,-0.48,0.4
 3EYE,TYR_57,10.26,0,0,0.26
 3IVF,LYS_322,10.42,-0.08,0,0
 2EA9,ASP_56,4.13,0,0,0.33
 2W0G,HIS_148,6.11,-0.14,0,-0.25
 1FOJ,LYS_368,10.53,-0.05,0,0.08
 3ONH,TYR_489,10.85,0,0.64,0.2
 1FHL,ASP_60,4.03,0,0,0.23
 1QQE,ASP_171,3.85,-0.23,-0.02,0.3
 1QQH,TYR_159,11.22,-0.37,0.82,0.77
 2PGX,GLU_49,3.18,0.59,-1.38,-0.53
 1BMJ,LYS_117,9.85,-0.69,0,0.04
 4FZR,ASP_375,2.18,-1.66,-0.4,0.44
 2D8N,ASP_110,4.34,-1.18,-0.01,1.74
 2D2S,GLU_593,4.79,0.29,0,0.01
 1ZP2,CYS_190,9.43,-0.12,0.07,0.49
 1QQE,ASP_58,4.66,0,-0.25,1.12
 2EJX,GLU_5,4.38,0.37,0,-0.49
 2G9D,CYS_91,12.75,0.32,3.44
 1EDG,ASP_268,4.02,0,-0.01,0.23
 2X4L,GLU_128,4.56,0.09,0,-0.03
 2H85,GLU_215,4.85,0.28,0,0.07
 2P0Y,LYS_305,10.55,-0.11,0,0.16
 1NIJ,HIS_114,6.25,-0.59,0,0.33
 3Q9P,ASP_149,2.7,-1.53,0,0.43
 2QDJ,ARG_355,12.23,-0.46,0,0.19
 3CRM,ARG_311,12.22,-0.25,0,-0.02
 1VJG,LYS_116,10.25,-0.25,0,0
 4DND,CYS_299,9.25,-0.37,0.07,0.56
 2QHT,GLU_134,4.94,0.26,-0.02,0.2
 2BV9,ASP_201,3.6,-0.85,0,0.65
 1AK1,ARG_3,12.31,-0.41,0,0.22
 1EV8,ASP_13,3.95,-0.23,0.06,0.31
 3H5T,LYS_139,10.78,-0.84,0.85,0.26
 2EHG,GLU_119,3.91,0.26,-0.75,-0.09
 3HYQ,GLU_173,5.07,0.21,0.25,0.12
 1PBV,ARG_205,12.46,-0.04,0,0
 2PP6,ARG_70,12.7,-0.17,0.05,0.31
 2W0G,GLU_185,3.15,0.43,-1.27,-0.52
 3EUR,LYS_7,10.16,-0.35,0,0.01
 2Q13,CYS_335,9.72,0,-0.04,0.75
 3LH5,TYR_550,10.11,0,0,0.11
 2NYC,ARG_291,12.53,-0.09,0,0.12
 2QEV,TYR_94,13.05,0.06,2.99
 2D1V,ASP_257,12.52,-0.48,0,0.51
 3FHF,GLU_14,4.62,0.08,0,0.04
 4DNU,GLU_140,4.12,0.28,-0.5,-0.16
 1R15,LYS_185,10.85,-0.22,0.11,0.46
 2BAA,TYR_31,10.95,0,-0.06,1.01
 2D7J,GLU_111,3.9,0.28,-0.65,-0.22
 2CXC,GLU_46,4.24,0.45,-0.38,-0.33
 3A2Z,ARG_65,13.06,-2.72,1.44,1.83
 2QDJ,LYS_130,11.61,-0.42,0.85,0.69
 2E3S,HIS_378,5.05,-2.1,0.65,0
 3PBH,HIS_7,6.68,-0.49,0.63,0.04
 1TJE,ARG_183,12.46,-0.58,0,0.54
 4HDE,LYS_56,10.27,-0.16,0,-0.06
 2FXT,GLU_269,4.59,0.09,0,0
 3H5T,ARG_312,12.05,-0.53,0,0.07
 2H85,GLU_44,4.54,0.24,0,-0.2
 3CXS,LYS_80,10.46,-0.04,0,0
 1NJ4,ARG_243,13.83,-0.35,1.07,0.62
 2F8H,ASP_121,3.87,-0.17,-0.1,0.35
 1X1E,LYS_54,11.15,-0.16,0.33,0.48
 2Q98,GLU_162,4.98,0.38,0,0.1
 2W0G,GLU_198,4.58,0.74,-0.47,-0.19
 1FO9,ARG_358,13.71,-0.27,1.05,0.42
 1O5T,LYS_249,10.36,-0.13,0,0.1
 3TR8,ASP_78,2.45,-1.88,-0.27,0.8
 2YWK,TYR_76,10.23,0,-0.07,0.3
 1DVO,GLU_52,4.54,0.16,0,-0.11
 3EVN,GLU_292,4.74,0.3,0,-0.06
 3F6F,LYS_79,10.4,-0.1,0,0
 2YT4,TYR_621,10.51,0,-0.02,0.53
 1AT0,LYS_273,11.06,-0.36,0.42,0.5
 3EVN,GLU_238,4.94,0.54,0,-0.1
 3PZ9,HIS_152,6.72,-2.21,1.59,0.84
 3LJN,ARG_175,12.3,-2.59,0.63,1.77
 1P2F,LYS_189,10.33,-0.14,0,-0.03
 3CIV,ASP_308,4.19,0,-0.02,0.41
 1Q5Z,GLU_628,3.59,0.34,-0.85,-0.4
 1XDZ,LYS_53,10.66,-0.41,0,0.57
 1RHS,GLU_218,4.74,0.09,0,0.15
 2HNG,GLU_49,4.82,0.09,0,0.23
 3C2E,LYS_191,10.35,-0.17,0,0.02
 1RAJ,ARG_408,12.48,-0.06,0,0.05
 2OB5,LYS_143,9.75,-0.65,0,-0.09
 1WLY,HIS_193,5.67,-0.83,0,0
 1R6Y,HIS_71,6.79,-0.42,0.31,0.41
 1RZ2,LYS_111,11.29,-0.46,0.6,0.65
 1XIP,ARG_321,12.86,-0.48,0,0.84
 3PP8,ASP_82,2.3,-1.64,-0.14,0.29
 1DUN,GLU_95,4.82,0.18,0,0.14
 2Q13,TYR_147,10.1,0,-0.07,0.17
 3BPV,HIS_18,7.95,-1.37,1.7,1.12
 1SQW,CYS_69,9.95,-0.74,-0.43,2.12
 1WJG,ARG_96,12.22,-0.46,0,0.17

1GVP, TYR_41, 10.14, 0.08, 0.05
2IQT, HIS_182, 6.51, -0.12, 0.13
2AXO, TYR_135, 12.46, 0.85, 0.48, 1.13
3GEC, ASP_260, 4.16, 0.12, 0.24
3IOC, ARG_198, 13.67, -0.31, 1.06, 0.41
4DBX, GLU_14, 4.66, 0.17, 0, -0.02
3MTT, ASP_552, 4.06, -0.03, -0.04, 0.32
3M9A, GLU_72, 3.43, 0.53, -1.03, -0.57
2B0J, GLU_94, 4.32, 0.66, -0.35, -0.49
1YR6, LYS_205, 10.29, -0.22, 0, 0.01
3LH5, ARG_561, 13.09, -1.19, 0.88, 0.92
2D7U, ARG_269, 12.67, -0.3, 0.17, 0.31
3EIZ, ASP_11, 4.04, 0.03, 0.22
1PSW, GLU_65, 3.87, 0.16, -0.25, -0.54
1X1E, TYR_192, 10.12, -0.52, 0.19, 0.45
3COU, ARG_6, 13.37, -0.48, 0.81, 0.53
3CBN, GLU_141, 4.41, 0.25, -0.08, -0.26
2VAN, ARG_253, 11.52, -1.64, 0, 0.66
1X6J, ASP_33, 2.83, -0.79, -0.58, 0.4
3TMO, HIS_246, 6.27, -0.28, 0, 0.05
3RVC, ASP_173, 2.82, -1.34, -0.14, 0.5
2IQT, HIS_227, 7.11, -0.52, 0.85, 0.28
4HDE, ASP_185, 3.86, 0, -0.28, 0.34
2VGM, LYS_44, 10.22, -0.37, 0, 0.08
4D8L, ARG_130, 12.28, -0.25, 0, 0.04
1T07, LYS_44, 11.58, -0.27, 0.85, 0.5
1SI7, ARG_247, 13.01, -0.4, 0.64, 0.27
2CN1, GLU_85, 5.95, 2.08, 0, -0.63
1NJ4, ARG_40, 11.6, -1.14, 0, 0.24
1X7F, GLU_361, 4.79, 0.32, 0, -0.02
2B0J, ASP_157, 3.63, 0, -0.39, 0.22
3DB9, LYS_18, 10.41, -0.09, 0, 0
1S7K, ARG_123, 12.36, -0.14, 0, 0
2G5X, ARG_93, 12.48, -0.08, 0, 0.06
1MML, HIS_143, 6.47, -0.87, 0.75, 0.08
3HVM, GLU_236, 4.18, 0.42, -0.26, -0.48
3PU6, LYS_3, 11.77, -0.57, 1.07, 0.76
1LZL, GLU_258, 3.52, 0.71, -1.57, -0.11
1T6L, CYS_175, 9.05, -0.04, -0.03, 0.12
1ZCU, TYR_196, 10.16, 0, 0, 0.16
1A8Q, GLU_190, 4.48, 0.8, -0.51, -0.31
2OJQ, LYS_627, 10.59, -0.17, 0, 0.26
3F7M, ARG_251, 13.3, -0.39, 0.76, 0.43
2A1V, HIS_22, 6.48, -0.6, 0.56, 0.02
3JZN, ASP_339, 3.44, -0.37, -0.25, 0.27
3ASA, GLU_142, 4.56, 0.23, 0, -0.17
3V4G, ASP_128, 3.84, -0.43, 0.18, 0.29
2FB6, ASP_17, 3.92, 0, -0.03, 0.15
2XJ4, LYS_197, 11.52, -0.22, 0.84, 0.4
1ES9, ARG_141, 11.32, -1.31, 0, 0.13
2DFL, ARG_291, 12.35, -0.15, 0, 0
4FCU, GLU_200, 3.76, 0.15, -0.74, -0.15
2NYC, ASP_227, 3.09, -1.38, -0.01, 0.68
2FL4, ARG_80, 13.86, -0.29, 1.27, 0.38
1G8P, GLU_76, 4.71, 0.22, 0, -0.01
1XDZ, TYR_51, 13.41, 0, 0.78, 2.64
3EVN, ARG_247, 12.5, -0.28, 0, 0.28
2BLL, ARG_334, 13.69, -1.13, 0.94, 1.38
3JSN, ASP_257, 3.17, -0.59, -0.29, 0.26
1Z9L, ASP_24, 3.39, -0.68, 0, 0.27
3CIV, ARG_217, 13.15, -0.37, 0.45, 0.57
1P6F, GLU_13, 3.91, 0.32, -0.65, -0.26
3FS3, LYS_47, 10.45, -0.14, 0, 0.08
3CX2, ASP_198, 2.76, -1.32, -0.17, 0.45
4ECC, ASP_148, 3.85, 0, -0.37, 0.42
3U2A, GLU_73, 3.74, 0.9, -1.19, -0.45
3DTE, ASP_131, 3.95, -0.04, -0.4, 0.59
3KB5, GLU_396, 3.48, 0.6, -1.63, 0
3LPZ, ASP_254, 3.84, 0, -0.15, 0.19
1ILW, GLU_147, 3.63, 0.48, -0.85, -0.51
2V4U, GLU_528, 6.64, 3.69, -1.55, 0
1R7J, TYR_57, 10.38, -0.29, -0.08, 0.75
1BKR, ASP_88, 3.68, 0, -0.26, 0.14
2CXC, ARG_62, 12.22, -0.29, 0, 0.01
3LJI, ASP_93, 3.64, 0, -0.43, 0.28
1WRU, ASP_239, 3.96, -0.24, 0, 0.4
1GVP, GLU_51, 4.58, 0.07, 0, 0.01
3VJ8, ASP_62, 3.29, -0.82, -0.08, 0.4
4F85, GLU_231, 4.58, 0.08, 0, 0
3FRR, ARG_21, 12.27, -0.47, 0, 0.24
3PP8, ARG_308, 11.69, -0.92, 0, 0.11
1Q46, GLU_28, 4.51, 0.07, 0, -0.06
2ZQ5, HIS_154, 6.25, -0.25, 0, 0
2F19, GLU_128, 4.86, 0.14, 0, 0.22
3EGN, ARG_505, 12.46, -0.04, 0, 0
3OA7, ARG_531, 12.42, -0.31, 0, 0.23
2PWQ, LYS_2, 10.93, -0.19, 0, 0.63
3OA7, CYS_567, 9.27, 0, -0.1, 0.37
3MTT, GLU_526, 4.58, 0.19, 0, -0.12
3I4T, TYR_86, 10.49, 0, 0.06, 0.43
3EUR, TYR_94, 10.36, 0, -0.32, 0.69
3L3P, GLU_517, 4.11, 0.31, -0.63, -0.07
1GXN, LYS_645, 11.16, -0.43, 0.71, 0.38
1TLV, HIS_200, 6.17, -0.21, 0, -0.11
2P52, GLU_177, 3.9, 0.42, -0.8, -0.21
1PV5, GLU_145, 4.64, 0.24, 0, -0.1
3C68, LYS_77, 11.21, -0.3, 0.48, 0.54
3IRA, TYR_18, 10.4, 0, 0.09, 0.31
3CXS, GLU_90, 4.59, 0.95, -0.53, -0.34
1XKR, GLU_179, 4.56, 0.15, 0, -0.09
1L3K, GLU_67, 3.61, 0.94, -1.81, -0.04
1TD6, TYR_32, 10.71, 0, 0.09, 0.62
3BPB, ASP_39, 4.35, 0, 0.05, 0.5
1PV5, GLU_16, 4.32, 0.29, -0.42, -0.05
2B3M, GLU_125, 3.77, 0.52, -0.82, -0.43
2AZL, ASP_188, 3.94, 0, -0.04, 0.17
1WRU, LYS_89, 9.97, -0.77, 0, 0.23
3IOC, ASP_154, 2.99, -1.22, -0.27, 0.69
4F85, HIS_124, 6.49, -0.86, 0.74, 0.11
3O16, ASP_40, 2.83, -1.38, -0.07, 0.47
3HVM, HIS_93, 6.02, -0.15, 0, -0.34
3CBN, ARG_148, 12.09, -0.38, 0, -0.03
1YB2, ASP_161, 3.63, -0.85, -0.2, 0.87
1X7F, GLU_120, 5.73, 3.91, -0.19, -2.49
3AXO, GLU_96, 4.26, 0.3, -0.56, 0.02
2G65, ARG_201, 12.42, -0.1, 0, 0.02
2PIM, GLU_107, 4.17, 0.22, -0.33, -0.23
1WXQ, GLU_238, 5.54, 0.68, 0, 0.37
2XWS, GLU_95, 4.59, 0.18, 0, -0.09
3K1H, LYS_67, 10.29, -0.31, 0, 0.1
2VGM, LYS_77, 10.66, -0.09, 0, 0.26
4FCU, ARG_14, 12.75, -0.16, 0.14, 0.27
3N2T, ARG_222, 12.68, -0.11, 0.29, 0.01
3N2T, ASP_229, 3.94, 0.02, 0.12
2Q13, HIS_140, 5.7, -0.85, 0, 0.06
3PZ9, LYS_264, 10.29, -0.49, 0, 0.29
3VHJ, LYS_68, 10.39, -0.12, 0, 0.01
1BN6, HIS_24, 6.06, -0.68, 0, 0.23
1T3Y, ASP_32, 3.95, 0, 0, 0.15
1MSI, TYR_158, 10.63, -0.21, 0.24, 0.59
1Y2Q, TYR_10, 10.19, 0, -0.06, 0.25
1T3J, GLU_693, 4.62, 0.2, 0, -0.08
2YWK, ARG_45, 12.46, -0.04, 0, 0
1MUF, ASP_270, 3, -1.01, -0.23, 0.44
2FGG, ASP_14, 3.78, -0.01, -0.26, 0.24
2R51, HIS_83, 6.43, -0.34, 0, 0.27
3RJZ, HIS_225, 8.41, -0.41, 1.7, 0.62
3K8J, HIS_196, 6.84, -0.28, 0.56, 0.06
1GPP, ARG_147, 12.28, -0.26, 0, 0.04
1YG2, ARG_151, 11.99, -0.49, 0, -0.02
3FHF, GLU_73, 4.69, 0.23, 0, -0.04
1QYH, GLU_175, 4.48, 1.12, -0.73, -0.4
1CBY, TYR_242, 10.39, 0.23, 0, 0.16
1MIX, TYR_199, 10.89, 0, 0.18, 0.7
4EVF, GLU_36, 5.28, 0.92, -0.02, -0.11
2DFL, ARG_107, 12.78, -0.41, 0.17, 0.52
1HF8, ASP_276, 4.91, -0.07, 0, 1.17
1JKS, ASP_220, 3.93, 0, 0, 0.13
2DBN, LYS_97, 10.16, -0.19, 0, -0.15
2AD1, LYS_184, 10.33, -0.43, 0, 0.26
3RVC, ARG_148, 12.54, -1.32, 0.79, 0.56
2AD1, GLU_158, 3.94, 0.23, -0.79, 0
1FQI, LYS_342, 11.4, -0.25, 0.7, 0.44
3MIX, ARG_400, 12.63, -1.29, 0.38, 1.04
3MIX, TYR_174, 9.85, -0.73, 0, 0.08
3ASA, GLU_160, 4.57, 0.07, 0, 0
1WJG, ARG_58, 12.18, -0.48, 0, 0.17
2GZQ, ARG_12, 13.23, -0.25, 0.45, 0.55
2HRZ, ARG_192, 11.54, -1.01, 0, 0.05
2B0J, LYS_339, 10.45, -0.07, 0, 0.03
1PSW, CYS_171, 10.27, 0, -0.02, 1.29
3MIX, GLU_576, 4.33, 0.26, 0, -0.43
3HNX, ASP_61, 3.26, -0.45, -0.41, 0.31
1NAF, ARG_260, 12.13, -0.45, 0, 0.09
4AM1, HIS_99, 3.61, -2.61, 0, -0.27
1XWM, CYS_104, 10.68, -0.06, 0, 1.74
2YXO, GLU_164, 4.98, 0.82, 0, -0.34
2IF4, ARG_121, 13.31, -0.69, 0.71, 0.78
1Q42, ARG_169, 12.73, -0.29, 0.1, 0.43
4GA2, GLU_74, 4.09, 0.2, -0.28, -0.33
3VJ8, ASP_200, 2.24, -1.8, -0.67, 0.92
1IAP, GLU_195, 4.17, 0.7, -0.63, -0.38
2FB6, TYR_96, 10.87, -0.06, 0.62, 0.32
1Y2Q, LYS_66, 10.65, -0.15, 0, 0.3
3LJI, ASP_92, 4.77, 0.32, 0.22, 0.42
1XDZ, GLU_180, 5.01, 0.31, 0, 0.2
3Q2C, HIS_69, 5.22, -1.23, 0, -0.05
2FD5, TYR_45, 10.29, 0, 0, 0.29
2FB6, TYR_96, 10.87, -0.06, 0.62, 0.32
2YWK, GLU_28, 4.79, 0.22, 0, 0.08
3EVN, TYR_186, 13.3, -0.15, 0, 3.45
4F85, GLU_170, 4.59, 0.1, 0, -0.02
1IAP, ARG_196, 13.05, -0.29, 0.56, 0.29
2O8P, TYR_16, 10.21, 0, -0.01, 0.22
1YB2, ASP_124, 3.11, -0.94, -0.13, 0.37
3L3P, ARG_374, 12.53, -0.84, 0.68, 0.19
1ZYL, LYS_138, 11.08, -0.44, 0.72, 0.3
3BB7, GLU_232, 4.18, 1.02, -0.85, -0.48
1L2F, LYS_164, 10.1, -0.15, 0, -0.25
1X7F, LYS_53, 10.24, -0.42, 0, 0.16
2F19, ASP_117, 3.94, 0, -0.03, 0.17
2OPJ, CYS_253, 11.83, -0.08, -0.38, 3.29
1UAJ, ARG_215, 12.31, -0.35, 0, 0.16
2D59, ASP_51, 3.1, -0.65, -0.47, 0.42
2IQT, GLU_206, 4.79, 0.29, 0, 0
2DFL, TYR_178, 12.66, 0.85, 0.31, 1.5
2G7O, ASP_126, 3.88, 0, 0, 0.08
3LMF, HIS_32, 6.44, -0.29, 0, 0.23
1PSW, TYR_287, 13.05, 0, 0.79, 2.28
2EJX, ASP_75, 3.16, -0.81, -0.41, 0.58
3OBS, ASP_34, 3.99, 0, -0.08, 0.26
2OGQ, ARG_392, 12.14, -0.5, 0, 0.15
3N2T, ARG_188, 13.54, -1.48, 1.41, 1.11
1G5Z, LYS_167, 10.98, -0.47, 0.5, 0.44
2V4U, ASP_312, 3.76, -0.12, -0.06, 0.14
4EVF, TYR_215, 10.61, 0, 0.25, 0.36
3H6Q, TYR_140, 10.23, 0, 11, 0.11
3V1Q, ARG_534, 12.17, -0.33, 0, 0
1N81, ASP_164, 3.32, -0.57, -0.49, 0.56
1W24, CYS_41, 12.1, -0.05, 0.81, 2.33
1O5J, GLU_62, 4.14, 0.55, -0.85, -0.06
3RVC, ASP_189, 4.23, 0.21, 0, 0.21
3V75, HIS_255, 5.35, -0.61, 0, -0.55
2G55, TYR_188, 10.2, 0, 0, 0.2
1FQI, LYS_375, 10.44, -0.1, 0, 0.04
3LJC, GLU_93, 4.6, 0.33, 0, -0.23
3F6F, TYR_207, 9.89, -0.43, -0.46, 0.8
3RE9, TYR_223, 10.13, 0, -0.18, 0.31
1DUP, ASP_11, 2.23, -1.74, -0.38, 0.56
1RWZ, ASP_76, 3.79, 0, -0.23, 0.23
3QKY, GLU_172, 4.53, 0.63, -0.22, -0.38
3FFM, ARG_35, 12.23, -0.29, 0, 0.02
1U3Y, GLU_350, 4.91, 0.17, 0, 0.24
2ZCO, TYR_244, 12.15, 0.78, 0.31, 1.07
2YWJ, LYS_21, 10.57, -0.25, 0, 0.33
1I60, GLU_24, 3.35, 1.02, -1.62, -0.56
4ANN, ASP_141, 4.04, 0, -0.07, 0.31
1SJV, HIS_46, 5.49, -1.87, 0.84, -1.73E-17
1P1L, ARG_67, 13.95, -0.34, 1.34, 0.45
1AK1, LYS_162, 10.47, -0.25, 0, 0.22
3ADO, HIS_173, 5.46, -0.62, 0, -0.43
2QDJ, HIS_69, 6.29, -0.27, 0, 0.06
4H89, HIS_164, 5.82, -0.86, 0, 0.18
4F85, ASP_187, 3.08, -0.97, -0.27, 0.52
2DG7, ASP_32, 2.63, -1.41, -0.19, 0.44
2DGE, ARG_244, 12.41, -0.09, 0, 0
3BPV, ARG_132, 12.49, -0.13, 0, 0.11
2G55, GLU_28, 4.57, 0.07, 0, 0
3ASA, GLU_196, 4.7, 0.17, 0, 0.03
1O3X, ARG_207, 13.17, -0.26, 0.47, 0.46
3EJG, TYR_52, 10.17, -0.4, 0.08, 0.48
1U7U, ARG_250, 3.78, -0.34, -0.41, 0.73
2AXO, ASP_213, 2.39, -1.64, -0.04, 0.27
3BQE, GLU_250, 7.93, 3.88, -0.65, 0.2
2CBE, GLU_214, 3.71, 0.62, -1.24, -0.17
1QQE, ASP_38, 4.39, 0, 0.13, 0.45
3JV1, ARG_193, 13.66, -0.98, 1.27, 0.88
3V4G, GLU_153, 2.69, 0.47, -1.55, -0.74
1MTZ, HIS_179, 5.55, -0.97, 0, 0.01
2E3C, GLU_425, 7.02, 4.79, -2.26, -0.01
4FLE, ASP_58, 3.97, 0, -0.09, 0.25
2P5D, LYS_32, 11.85, -0.27, 0.85, 0.76
2B0Z, GLU_403, 3.96, 0.18, -0.34, -0.37
2O4D, ARG_97, 13.27, -0.51, 0.85, 0.43
2PPN, GLU_54, 2.96, 0.5, -1.65, -0.38
2PPN, ARG_13, 12.52, -0.05, 0, 0.07
1T6L, ASP_120, 3.91, 0, 0, 0.11
3QAV, ARG_95, 12.55, -0.47, 0.03, 0.49
1YTQ, LYS_47, 11.17, -0.3, 0.57, 0.39
1NJ4, TYR_52, 12.46, 0.23, 0.5, 1.73
4ANN, ASP_169, 4.09, 0, 0.02, 0.27
1PDB, TYR_121, 13.52, 0.05, 1, 3.01
1PV5, HIS_214, 5.45, -1.9, 0.72, 0.13
3GT0, LYS_88, 11.67, -0.42, 0.85, 0.74
1XAW, ASP_516, 2.57, -1.02, -0.65, 0.45
3V75, GLU_80, 5.05, 0.58, 0, -0.03
2QK1, ASP_490, 4.07, 0, 0.08, 0.19
3K8J, ARG_260, 13.19, -0.67, 0.66, 0.7
2B0J, ASP_280, 4.01, 0, 0, 0.21
3HVM, GLU_9, 3.61, 1.83, -2.18, -0.53
3GMS, HIS_265, 4.9, -0.91, 0, 0.7
3E5T, LYS_188, 10.36, -0.14, 0, 0
1O5T, LYS_153, 10.39, -0.1, 0, -0.01
1V43, LYS_314, 10.51, -0.11, 0, 0.12
4ACJ, CYS_776, 9.82, -1.63, 0.02, 2.44
3GA2, LYS_104, 10.74, -0.24, 0, 0.12, 0.36

1X6J,ARG_45,13.82,-0.46,1.03,0.74
3CAX,GLU_382,4.56,0.11,0,-0.05
1DTO,GLU_162,4.72,0.21,0,0.01
2HRZ,HIS_5,6.65,-0.12,0.27,0
2OEW,ASP_222,3.59,-0.56,-0.68,1.03
2B61,HIS_327,6.74,-0.71,0.81,0.14
2O8P,ASP_49,2.24,-1.92,-0.68,1.02
3ELI,ARG_5,13.15,-0.38,0.35,0.68
2HRZ,GLU_150,4.13,0.27,-0.63,-0.01
2B2H,ARG_33,12.47,-0.23,0,0.19
3MTT,ARG_527,12.25,-0.25,0,0
4EF5,TYR_186,10.43,-0.92,-0.28,1.63
1YB2,ARG_220,12.38,-0.16,0,0.04
1BN6,GLU_234,4.89,0.41,0,-0.01
2QZQ,LYS_158,10.31,-0.19,0,0
3CIV,HIS_249,6.93,-0.46,0.74,0.16
2FBI,ARG_44,12.07,-0.43,0,0
3H13,ARG_303,13.2,-0.15,0.37,0.47
2Q13,LYS_191,11.07,-0.61,0.77,0.42
2WOG,LYS_160,10.25,-0.31,0,0.07
2XJ4,ARG_242,12.32,-0.18,0,0
3HYM,GLU_116,5.37,1.29,0,-0.43
2OKT,TYR_291,9.98,-0.47,-0.48,0.94
3B79,LYS_74,10.63,-0.28,0.19,0.22
4DNU,GLU_364,4.58,0.08,0,0
3HUE,ASP_97,4.0,-0.12,0.32
4F8A,GLU_578,4.48,0.25,0,-0.27
2GEN,CYS_17,9.68,-0.31,-0.2,1.18
1MUF,HIS_181,6.4,-0.22,0,0.11
3T8R,LYS_29,10.63,-0.09,0,0.23
2H14,GLU_292,3.92,0.23,-0.79,-0.02
3H13,HIS_443,4.13,-2.46,0.12,-0.04
3GEC,ASP_381,3.95,-0.02,-0.23,0.41
3F53,LYS_93,10.5,-0.08,0,0.08
2QOP,ASP_84,3.15,-1.13,-0.12,0.59
2PP6,ASP_30,3.07,-0.68,-0.35,0.3
3PZ9,ASP_56,3.92,-0.85,-0.31,1.28
2QOP,ASP_157,3.42,-0.52,-0.32,0.46
1TD6,LYS_158,10.58,-0.69,0.37,0.4
1GQE,ASP_330,2.81,-0.65,-0.64,0.31
3BPP,ARG_43,12.86,-0.79,0.21,0.94
3M66,ASP_278,3.17,-0.73,-0.58,0.68
1EQ6,ASP_53,3.23,-1.53,0,0.95
2WOZ,GLU_564,4.03,1.13,-1.59,0
3RFF,ARG_90,11.66,-0.86,0,0.02
3H9W,ASP_89,2.81,-1.44,-0.49,0.94
2YX0,ARG_325,13.08,-1.3,0.84,1.04
1SJ8,TYR_570,10.89,-0.08,0.01,0.95
2XJ4,ARG_196,12.41,-0.33,0,0.24
1YLN,ARG_161,13.26,-0.3,0.7,0.37
3C6B,LYS_25,10.34,-0.18,0,0.02
2V4X,ARG_9,13.31,-0.62,0.82,0.61
3GOZ,LYS_189,10.57,-0.13,0,0.19
4FD6,CYS_189,9.71,-0.17,-0.18,1.05
1J74,LYS_85,10.2,-0.34,0,0.04
1SNT,ARG_55,11.64,-1.06,0,0.2
2EJB,LYS_140,10.34,-0.16,0,0
3GA2,LYS_13,10.37,-0.26,0.14,0
2CXA,ARG_44,12.02,-0.51,0,0.03
1MIX,ARG_220,13.58,-0.92,0.89,1.12
1X8F,LYS_284,10.36,-0.17,0.03,0
1LZL,GLU_108,4.62,0.25,0,-0.13
1RSQ,ARG_97,13.64,-0.17,1.27,0.04
2FXT,ASP_345,3.9,0,-0.18,0.27
1QSZ,TYR_640,11.87,-0.48,1.39
1KCM,GLU_38,4.71,0.17,0,0.04
4H86,GLU_147,4.6,0.62,-0.44,-0.08
1R16,ASP_241,2.68,-1.66,-0.64,1.16
3MTT,GLU_486,4.66,0.2,0,-0.04
3F53,ASP_192,3.88,-0.09,-0.02,0.18
1FKM,ARG_343,13.33,-0.25,0.75,0.34
2B0J,LYS_113,10.32,-0.1,0,-0.08
1J85,TYR_51,10.16,-0.05,-0.16,0.37
3NBI,GLU_65,4.63,0.13,0,0
3PBH,ARG_1,12.54,-0.22,0.04,0.23
1DCF,GLU_41,4.64,0.06,0,0.07
2E3C,GLU_222,3.95,0.25,-0.35,-0.45
3BQW,TYR_275,10.12,0,-0.13,0.26
3LQE,TYR_435,10.41,-0.04,-0.18,0.62
2QK1,ARG_454,12.49,-0.18,0,0.18
3H8Y,GLU_69,5.09,0.2,0.3,0.09
3M7G,ARG_267,13.9,-0.34,0.85,0.88
2OKT,GLU_319,4.66,0.38,0,-0.22
1HUF,ASP_7,2.93,-0.73,-0.45,0.31
1NIJ,ARG_270,12.62,-1.17,0.69,0.59
3BQW,GLU_56,4.96,0.55,0,-0.1
2P1W,GLU_232,4.57,0.21,0,-0.13
3JZ9,LYS_380,10.39,-0.14,0,0.03
2CL3,HIS_171,5.59,-1.5,0.58,2.08E-17
3RFY,GLU_175,4.3,0.26,0,-0.46
1YM5,ARG_257,11.87,-0.41,0,-0.22
1EV8,TYR_94,13.02,-0.04,0.24,2.82
3M7D,HIS_281,6.87,-0.63,0.61,0.39
2D59,LYS_33,10.52,-0.18,0,0.19
2XJ4,LYS_155,10.4,-0.22,0,0.12
3CNU,ASP_70,4.05,0.05,0.2
3B4D,ASP_206,3.82,0,-0.23,0.25
1J85,GLU_64,5.0,0.32,0,0.17
2GAU,ARG_230,12.4,-0.11,0,0.01
2AHE,TYR_225,13.47,0.63,2.83
3H13,LYS_247,10.26,-0.3,0,0.06
1SQH,HIS_61,7,-1.07,1.65,-0.08
1R5S,ARG_155,12.33,-0.17,0,0
3CAN,ASP_139,3.9,0,-0.04,0.14
3IOC,TYR_150,12.3,0.16,2.14
2OHT,LYS_21,9.44,-0.81,0,-0.25
3M7D,ARG_351,12.36,-0.49,0.35
2V81,CYS_105,12.22,0,-0.16,3.37
2QOP,ARG_90,12.05,-0.62,0,0.1
3Q6L,LYS_80,10.69,-0.3,0.18,0.31
3LOD,ASP_11,3.31,-0.76,-0.14,0.41
2QDJ,ARG_150,11.81,-0.8,0,0.11
3AUF,CYS_135,12.38,-0.1,0.7,2.77
1U7U,GLU_336,4.9,0.35,-0.03,0.08
2EFK,LYS_247,12.41,-0.51,1.33,1.09
1U53,TYR_144,10.29,-0.78,-0.24,1.3
1LPL,ARG_162,11.96,-1.22,0.02,0.66
3T57,GLU_255,4.18,0.21,0,-0.54
2IF4,GLU_105,4.74,0.75,-0.36,-0.16
4FH3,ASP_371,4.11,0,0.31
1HF8,ARG_150,11.79,-0.63,0,-0.08
4FH3,TYR_49,10.97,0.0,0.12,0.85
3A0X,LYS_732,10.43,-0.11,0,0.03
2DG7,ASP_175,4.32,0.24,0.27
1S17,ARG_291,12.32,-0.79,0.36,0.23
3BWT,HIS_569,5.98,-0.58,0,0.05
2QV2,ASP_72,3.85,-0.02,-0.25,0.33
3I47,ARG_37,12.02,-0.5,0.02
1QYI,ASP_124,3.84,0,-0.14,0.17
2D59,GLU_35,3.95,0.48,-0.75,-0.28
3QKY,GLU_55,4.3,0.25,-0.17,-0.27
3EVZ,GLU_86,7.58,3.35,-0.14,-0.14
1V8E,ARG_139,13.2,-1.08,1.25,0.54
3MIX,ASP_676,2.78,-0.97,-0.38,0.33
3V46,ARG_235,12.4,-0.05,0,-0.05
1F2V,ASP_174,3.41,-0.4,-0.47,0.48
4EVF,LYS_119,10.38,-0.12,0,-0.01
3F1X,GLU_125,4.09,0.32,-0.34,-0.4
1P6F,TYR_63,10.47,0,0.01,0.46
1XEU,TYR_254,10.68,-0.7,0.22,1.15
3F6F,LYS_46,10.43,-0.08,0,0.01
3P2F,ASP_89,4.01,0,0,0.21
1L2F,ASP_50,2.29,-1.7,-0.26,0.45
1J8B,ASP_64,3.97,0,0,0.17
2P65,LYS_80,10.26,-0.56,0,0.32
1NAR,CYS_246,12.84,0,0,3.84
4ACJ,ASP_789,3.87,0,-0.24,0.32
2CBE,LYS_213,11.19,-0.8,0.85,0.65
3H04,TYR_194,10.16,-0.03,-0.19,0.38
2EJX,TYR_84,10.6,0,0.06,0.55
3E5T,GLU_111,4.84,0.2,0,0.14
1TLV,TYR_201,11.35,-0.01,-0.6,1.96
2WB3,LYS_384,10.44,-0.06,0,0
2BLI,HIS_593,5.73,-0.4,0,-0.37
3EYV,ARG_10,11.26,-2.77,0.44,1.09
1FKM,LYS_265,10.34,-0.34,0,0.18
2X4G,GLU_163,4.08,0.87,-0.41,-0.89
1X7F,GLU_284,3.51,0.3,-0.85,-0.44
2WB3,GLU_382,4.36,0.21,0,-0.35
2IQT,GLU_43,4.61,0.18,0,-0.06
1WPS,LYS_127,10.5,-0.21,0,0.21
1MML,GLU_201,3.21,1.04,-2.05,-0.27
3LQE,ASP_255,3.14,-1.37,-0.27,0.97
2Z61,ARG_287,12.63,-0.29,0.16,0.26
2B78,TYR_129,10.39,-0.03,-0.05,0.47
3M70,GLU_163,4.61,0.12,0,-0.01
3EYV,LYS_127,10.43,-0.08,0,0.01
2OYZ,ARG_56,13.86,-0.72,1.19,0.89
3KVO,ASP_133,3.5,-0.34,-0.27,0.3
3C01,LYS_60,10.29,-0.19,0,-0.02
2X4L,LYS_347,10.34,-0.19,0,0.03
1RAJ,ARG_415,12.64,-0.24,0.38
3CX5,GLU_5,3.93,0.41,-0.66,-0.33
2F9F,GLU_129,4.43,0.18,0,-0.25
1Z3X,LYS_120,10.86,-1.16,0.8,0.71
2CN1,GLU_20,4.68,0.19,0,-0.01
1DZF,GLU_40,4.63,0.09,0,0.04
1Q46,ARG_112,12.44,-0.26,0,0.2
2RIK,GLU_54,4.56,0.08,0,-0.01
2Z84,LYS_88,11.12,-0.58,0.65,0.56
2FPN,GLU_123,4.0,0.31,-0.81,0
3ETV,GLU_309,4.69,0.19,0,0
1YR6,GLU_228,5.26,0.69,0,0.07
1FH,ASP_91,4.02,-0.37,0.17,0.42
2WOG,GLU_261,4.16,0.22,-0.32,-0.24
3GMS,ARG_283,13.21,-0.49,0.71,0.49
3RFY,TYR_109,13.26,0.85,0.77,1.65
3CBN,LYS_119,10.52,-0.25,0,0.28
2HNG,GLU_116,4.09,0.31,-0.7,-0.02
1SIG,HIS_242,6.38,-0.12,0,0
1D2K,HIS_66,0.92,-3.2,0,-2.38
4DIU,HIS_176,7.25,-0.42,0.52,0.64
2RJD,GLU_472,4.78,0.7,0,-0.42
1TUL,LYS_105,10.03,-0.78,0,0.31
3IVF,ARG_30,12.63,-0.17,0,0.31
3LJI,TYR_250,12.83,0.0,74,2.1
2I88,GLU_518,4.63,0.21,0,-0.07
2B78,ARG_132,13.64,-0.95,0.88,1.21
3IOC,LYS_131,11.47,-0.26,0.85,0.38
1OIS,GLU_255,4.69,0.19,0,0
3GOF,GLU_15,3.95,0.27,-0.82,0
2EFK,LYS_138,10.67,-0.22,0,0.4
3RFY,ASP_409,4.34,0,0,0.53
1AKO,ARG_184,12.01,-1.75,0.51,0.75
1NWA,TYR_98,10.27,0,-0.22,0.49
2OGQ,ARG_563,13.71,-0.36,0.79,0.78
3M66,ASP_388,3.18,-1.33,-0.07,0.77
3M70,GLU_211,4.35,0.38,0,-0.53
1NIJ,GLU_306,4.08,-0.76,-0.62
2GAU,LYS_121,11.07,-0.27,0.43,0.41
2Q5X,LYS_801,10.39,-0.22,0,0.1
3DHN,CYS_62,9.45,0,-0.11,0.57
1RWZ,LYS_32,10.92,-0.45,0.39,0.47
157K,LYS_92,10.43,-0.22,0,0.15
3CSR,LYS_116,10.2,-0.3,0,0
3VJ8,HIS_98,5.95,-0.55,0,0
1R3F,ASP_230,3.9,0,0,0.1
3G59,ASP_216,2.83,-1.49,0,0.53
3M3P,CYS_159,12.74,-0.89,1.77,2.85
2RH3,ARG_133,12.26,-0.28,0,0.04
2D7U,GLU_240,4.37,0.33,-0.48,0.02
2ZQ5,ASP_341,4.02,0,0.08,0.14
2ZTY,LYS_60,10.47,-0.13,0,0.11
3CQ1,ARG_91,12.5,-0.37,0.02,0.35
1P4X,LYS_76,10.39,-0.11,0,0
2IF4,LYS_39,10.07,-0.39,0,-0.03
4AM1,LYS_15,10.54,-0.25,0.06,0.24
1H4U,GLU_558,4.71,0.19,0,0.02
3F53,LYS_45,10.39,-0.14,0.03,0
2OGQ,ASP_402,2.8,-1.15,-0.38,0.53
1TR9,GLU_295,4.62,0.22,0,-0.11
1LFP,ARG_68,12.45,-0.19,0,0.13
3OBS,HIS_102,6.31,-0.68,0.67,-0.18
1O9G,CYS_60,13.83,-0.17,1.9,3.1
3IOO,LYS_183,10.41,-1.34,0.75,0.5
3KBS,ARG_447,12.51,-0.19,0,0.2
2CIU,TYR_171,11.26,0.13,0.5,0.63
3PM2,TYR_166,11.05,-0.13,0.02,1.16
1QYI,GLU_273,4.21,0.52,-0.81,0
3EZ7,ARG_378,12.34,-0.39,0,0.22
2JHY,HIS_155,5.7,-0.65,0,-0.16
1NRI,LYS_241,10.34,-0.16,0,0
3M70,GLU_71,4.66,0.47,-0.3,-0.02
3B4D,GLU_224,4.78,0.11,0,0.17
4AM1,LYS_340,11.41,-0.38,0.85,0.44
3LMF,GLU_35,4.65,0.21,0,-0.06
2OOK,GLU_122,4.06,0.71,-0.76,-0.39
3F53,LYS_198,10.27,-0.23,0,0
1L2F,GLU_14,5.05,0.25,0,0.31
4ECC,CYS_98,8.36,-1.09,0.06,0.4
3L3P,GLU_400,5.75,0.31,0.04,0.9
3QKY,GLU_238,4.79,0.22,0,0.07
1AK1,ASP_76,3.78,0,-0.21,0.19
2R57,ASP_215,3.71,-1.44,-0.15,1.51
3EX9,GLU_28,4.19,0.64,-0.57,-0.38
3DHN,ASP_203,3.71,-0.71,-0.49,1.11
2Q98,LYS_69,10.44,-0.3,0,0.25
1MUF,GLU_166,4.6,0.23,0,-0.13
1WXF,TYR_231,11.09,0.06,1.04
35MD,GLU_17,3.81,0.17,-0.41,-0.45
3GG6,ARG_65,12.43,-0.07,0,0
1TD6,GLU_266,4.28,0.15,-0.37,0
2EA9,ARG_40,12.08,-0.38,0,-0.04
1KN3,ASP_56,3.8,0,-0.16,0.16
3P28,ARG_186,13.63,-0.27,1,0.41
1ZCU,HIS_70,6.99,-0.49,0.79,0.19
3HYQ,CYS_37,10.64,-1.88,0.03,3.5
4DVD,ARG_121,13.25,-0.35,0.72,0.38
2XJ4,GLU_87,4.78,0.15,0,0.13
2B0J,LYS_232,11.71,-0.33,0.84,0.7
2QEV,ARG_23,13.58,-0.38,0.85,0.61
1AD6,LYS_417,11.49,-0.22,0.82,0.39
1MIX,LYS_316,10.27,-0.26,0,0.04
35MD,TYR_6,10.32,0,0.05,0.27
1MIX,CYS_286,10.88,0,-0.03,1.9
1AT0,GLU_351,4.64,0.25,0,-0.1

1S18,GLU_780,6.85,2.22,0,0.13
3D9H,HIS_166,6.29,-0.13,0,-0.08
1P4X,ARG_101,11.78,-0.81,0,0.09
2QV2,ARG_325,11.94,-0.59,0,0.03
3ZXY,GLU_122,3.6,0.47,-0.96,-0.41
1ZBM,GLU_256,4.95,0.28,0,0.16
1R16,LYS_289,11.27,-0.28,0.15,0.91
3MTT,ARG_510,12.34,-0.22,0,0.05
2CWY,ARG_37,12.2,-0.45,0,0.14
3GS9,GLU_184,4.56,0.06,0,0
3NZL,LYS_27,10.08,-0.19,0,-0.23
3CNU,LYS_9,10.36,-0.37,0,0.22
2GAU,LYS_136,10.54,-0.15,0,0.2
3F53,LYS_44,10.21,-0.29,0,0
3DSH,LYS_449,11.23,-0.2,0.54,0.39
3HVV,TYR_324,10.45,0,-0.02,0.48
1SQW,GLU_7,3.23,0.36,-1.24,-0.39
3C6B,ASP_153,3.54,-0.44,-0.1,0.28
1SQH,HIS_35,3.44,-3.06,0,0
4EKU,CYS_267,11.48,0,0.28,2.2
1BN6,ASP_175,4.04,0,-0.07,0.32
1ILW,ASP_153,3.69,-1.31,-0.07,1.27
2AD1,LYS_186,10.52,-0.06,0,0.08
4ECC,ASP_114,4.14,0,-0.09,0.43
1PVT,GLU_151,4.68,0.39,0,-0.21
1GPP,GLU_69,4.54,0.11,0,-0.07
1NIJ,GLU_97,4.2,1.79,-1.79,-0.3
1BN6,ASP_150,3.29,-0.63,-0.12,0.24
3JZN,ASP_142,3.38,-0.79,-0.11,0.5
1R53,GLU_36,3.78,0.77,-1.51,0.02
2OJQ,GLU_596,3.1,0.95,-1.94,-0.4
2O8P,CYS_161,10.97,0,0.04,1.93
2VAN,GLU_147,3.4,0.62,-1.35,-0.37
2NRR,GLU_384,4.67,0.35,0,-0.19
4E8B,HIS_27,6.1,-0.58,0,0.18
4ACJ,LYS_787,10.53,-0.08,0,0.11
4FH3,LYS_63,10.41,-0.13,0,0.03
1R3D,HIS_99,5.65,-0.79,0,-0.05
2IRM,TYR_247,10.32,0,-0.26,0.58
2B78,TYR_150,12.03,0.02,0.59,1.41
2EJB,TYR_156,9.99,0,-0.13,0.12
3GG6,GLU_62,4.51,2.28,-1.02,-1.24
2AZL,GLU_187,4.78,0.21,0,0.08
2VAN,CYS_267,11.89,0,-0.02,2.92
3VHJ,ASP_62,3.48,-0.73,-0.23,0.65
1KZK,LYS_71,10.35,-0.16,0,0.01
3I4T,TYR_268,11.01,0,0.68,0.32
2R57,ASP_247,2.47,-2.21,-0.75,1.61
3BCH,ARG_184,11.7,-1.17,0.22,0.17
2XMZ,LYS_236,10.01,-0.7,0,0.21
2OBI,CYS_66,9.58,0,0.13,0.45
3D9H,HIS_81,5.97,-0.88,0.49,-0.14
2V4U,LYS_560,10.5,0,0,0
2GAU,ASP_213,3.08,-0.56,-0.38,0.21
2GKG,LYS_3,10.34,-0.34,0,0.18
4E8B,ARG_174,12.45,-0.06,0,0.01
1CHD,GLU_326,4.52,0.96,-0.72,-0.22
1X91,ASP_39,3.42,-0.85,-0.47,0.95
1AK1,ASP_171,3.67,-0.44,-0.02,0.34
2OYZ,ARG_44,13.54,-0.27,0.45,0.86
3P51,GLU_115,4.5,0.21,0,-0.21
2AH5,TYR_197,10.85,0,0.27,0.58
2ZCO,TYR_41,13.67,-0.24,0.46,3.44
1OLR,TYR_11,11.85,0.28,0.57,1
2CL3,LYS_23,10.44,-0.06,0,0
2NRR,LYS_390,10.25,-0.41,0,0.17
2IRM,GLU_264,4.57,0.28,0,-0.2
1OGL,LYS_92,9.85,-0.73,0,0.08
3EVN,TYR_157,12.26,0,0.1,2.16
1BKB,GLU_72,5.02,0.52,0,0
2OKT,TYR_44,11.01,0,0.23,0.77
1TWU,TYR_59,9.7,-0.31,-0.3,0.32
3IOO,LYS_283,10.42,-0.08,0,0
1PV5,GLU_49,4.63,0.4,-0.27
4F3J,LYS_109,10.09,-0.38,0,-0.02
1A8Q,ARG_20,11.33,-1.6,0.01,0.41
2JKF,ARG_14,13.02,-0.27,0.06,0.73
4FZR,ARG_362,12.25,-0.39,0,0.14
3ZTA,GLU_14,4.71,0.19,0,0.01
2RFA,ARG_139,13.03,-0.44,0.6,0.37
2H30,ASP_56,3.79,0,-0.2,0.2
2JEO,LYS_78,10.49,-0.14,0,0.13
3O16,ARG_176,12.41,-0.21,0,0.13
3O7K,ARG_41,12.53,-0.44,0,0.47
2E3C,GLU_247,4.29,1.35,-0.73,-0.83
1QOL,HIS_93,6.24,-0.27,0,0.01
1LTU,ARG_123,13.46,-2.95,1.58,2.32
1WRU,TYR_67,9.93,-0.1,-0.4,0.42
1X8F,ASP_107,3.58,-0.53,0,0.32
1XDZ,LYS_224,10.96,-0.25,0.41,0.3
3RNV,LYS_414,10.22,-0.18,0,-0.09
1W7B,HIS_224,6.16,-1.52,0.85,0.33
4DNU,ASP_96,4.16,-0.07,-0.03,0.46
3BPP,GLU_162,4.61,0.36,0,-0.25
3PAC,LYS_135,11.18,-0.35,0.64,0.38
3NBI,GLU_75,4.79,0.12,0,0.17
2ZOM,ASP_220,2.73,-0.85,-0.68,0.46
3GV0,ARG_185,13.4,-0.91,0.8,1
1S18,ASP_600,4.27,0.15,0.32
1H4U,LYS_500,11.36,-0.3,0.84,0.32
1YTQ,TYR_61,9.88,-0.63,-0.14,0.65
3I47,LYS_59,10.41,-0.09,0,0
2QZQ,TYR_141,12.13,0.85,0.51,0.77
3VJ8,GLU_234,4.87,0.33,0,0.04
1ES9,HIS_166,5.86,-0.57,0,-0.07
2PGE,ARG_212,11.5,-2.75,0,1.75
1J7G,GLU_18,4.6,0.09,0,0.01
2GQV,GLU_75,3.58,0.37,-0.83,-0.46
1WRU,ARG_108,12.33,-0.44,0,0.27
1A8Q,LYS_274,11.28,-0.32,0.57,0.54
3E5T,CYS_222,8.72,-0.77,0.06,0.43
3LPZ,LYS_92,10.2,-0.61,0,0.32
1Q46,ASP_83,3.72,-0.61,-0.26,0.79
2AZL,LYS_17,10.36,-0.37,0,0.23
1QZN,TYR_58,12.16,0,0.2,16
2RGY,GLU_230,4.84,0.78,-0.22,-0.22
3E7P,GLU_173,5.51,1.42,-0.34,-0.06
1Q46,CYS_5,11.1,-0.11,0.11,2.1
3ELI,GLU_9,4.15,0.21,-0.45,-0.12
1MML,ASP_174,4.02,-0.45,-0.62,1.29
3NZL,ASP_28,3.63,0,-0.4,0.24
2B61,ARG_291,12.65,-0.62,0.03,0.73
2O8I,ASP_132,4.06,0,0.06,0.21
3COC,TYR_344,10.99,0,0.17,0.83
2X4L,ASP_336,3.79,-0.53,-0.28,0.8
1V43,ARG_74,12.22,-0.48,0,0.21
3M7G,GLU_129,6.03,3,-0.92,-0.55
2ZOM,ARG_309,12.53,-0.4,0.12,0.31
1WP5,GLU_308,3.65,0.35,-0.85,-0.34
1Q46,GLU_9,4.47,0.44,0,-0.46
1R6Y,GLU_7,4.54,0.33,-0.38,0.08
3M16,LYS_277,10.3,-0.2,0,0
4FZN,ARG_228,12.4,-0.31,0.03,0.18
1VJG,LYS_95,10.5,0,0,0
2R2Y,ARG_27,12.63,-0.21,0,0.34
1A8Q,ARG_48,13.97,-0.79,1.65,0.62
3GV0,ASP_245,3.05,-0.72,-0.38,0.35
3RNV,CYS_344,10.19,-0.32,0.59,0.93
3KEY,LYS_340,10.46,-0.04,0,0
2POY,HIS_328,6.92,-0.19,0.63,-0.02
1LFP,LYS_23,10.37,-0.36,0,0.22
2O8P,ARG_99,13,-0.48,0.51,0.46
3P51,GLU_57,4.87,0.37,0,0
1KN3,LYS_47,10.12,-0.27,0,-0.1
4FZR,TYR_117,13.5,-0.12,0.17,3.46
1OST,ARG_162,10.78,-2.12,0,0.4
2A1V,ASP_132,3.25,-0.25,-0.51,0.2
3ASA,ASP_161,3.99,0,-0.01,0.19
2FXT,ARG_347,12.61,-0.09,0,0.21
1T6L,GLU_36,4.52,0.08,0,-0.07
3GYW,ASP_73,3.85,0,-0.18,0.23
3IVF,LYS_284,11.42,-0.22,0.76,0.38
3K8U,LYS_27,10.27,-0.23,0,0
1O9G,TYR_178,9.92,-0.55,-0.49,0.97
2CXY,GLU_15,4.62,0.41,-0.39,0.09
3FNI,ASP_150,3.75,-0.14,-0.67,0.75
3EOD,GLU_45,4.74,0.11,0,0.13
3F53,LYS_81,10.34,-0.16,0,0
1XEU,ARG_39,12.42,-0.08,0,0
3B7X,ASP_141,3.48,-0.58,-0.14,0.39
2ATR,GLU_90,4.72,0.22,0,-0.01
1W7B,TYR_317,10.11,0,-0.14,0.25
1Z3X,ARG_91,12.21,-0.29,0,0
3F6F,GLU_38,4.02,0.38,-0.83,-0.03
2CYG,TYR_141,10.29,0,-0.12,0.4
3H6Q,ARG_81,9.83,-2.69,0,0.02
2CYG,LYS_51,10.16,-0.34,0,0
3RE9,TYR_87,10.08,-0.03,-0.13,0.23
2HRZ,TYR_145,9.42,-0.91,-0.32,0.65
3L3P,GLU_507,4.72,0.21,0,0
3KB5,GLU_443,4.57,0.7,-0.77,0.14
3BWT,GLU_606,4.64,0.19,0,-0.05
3EJC,ARG_80,13.31,-0.32,0.75,0.38
1PV5,ARG_9,12.41,-0.33,0,0.24
2RGY,HIS_117,6.23,-0.23,0,-0.04
2X4G,ARG_308,12.78,-0.11,0,0.4
2BAA,ARG_221,11.57,-1.55,0,0.62
3NBI,HIS_19,5.69,-0.72,0,-0.09
3UC9,LYS_149,10.56,-0.32,0,0.39
2FC3,GLU_72,4.84,0.27,0,0.07
3V55,LYS_538,10.77,-0.25,0.14,0.37
1Z9L,ARG_55,12.55,-0.09,0,0.15
3HVM,TYR_191,10,0,-0.16,0.16
4EZB,ASP_277,3.57,-0.65,0,0.42
2Q34,GLU_236,4.94,2.69,-2.22,-0.03
3IVF,LYS_318,10.31,-0.16,0,-0.03
1KN3,LYS_93,10.47,-0.2,0,0.16
3JRT,GLU_125,4.29,0.86,-0.35,-0.71
3HUE,ASP_221,3.99,-0.15,0.12,0.22
1GXN,GLU_384,4.56,0.14,0,-0.08
3CN5,CYS_69,9.24,0,0,0.24
1XFK,HIS_127,7.5,-3.53,0.91,3.61
3RLN,LYS_683,10.3,-0.2,0,0
1R6Y,LYS_89,11.07,-0.28,0.85,0
3I47,ASP_187,4.12,0,0.18,0.14
2A6B,ASP_221,3.8,0,0,0
1VJG,ASP_179,1.45,-2.76,-0.68,1.09
4FH3,GLU_50,4.74,0.29,0,-0.05
1J8B,GLU_86,4.58,0.23,0,-0.16
3ASA,GLU_384,4.65,0.16,0,-0.01
3CAX,ASP_208,3.56,-0.41,-0.47,0.65
1PGV,GLU_308,4.28,0.48,-0.79,0.1
2EFK,HIS_266,6.54,-0.17,0,0.22
3LJN,CYS_61,10.09,-0.02,-0.02,1.14
1O59,ARG_238,12.49,-0.11,0,0.1
2IF4,ARG_284,12.39,-0.11,0,0
2OEW,LYS_285,10.46,-0.11,0,0.07
1MUF,HIS_252,7.11,-0.46,0.69,0.38
2PLQ,LYS_106,9.84,-0.53,0,-0.13
4AM1,HIS_284,5.9,-0.95,0.28,0.07
1PBW,ARG_98,13,-0.23,0.27,0.45
1WVC,ARG_130,12.79,-0.32,0.16,0.45
2Q5X,ASP_731,4.07,0,0.12,0.15
3R1X,LYS_254,10.86,-0.18,0,0.54
4E9E,LYS_565,10.27,-0.23,0,0
3ON1,TYR_59,10.22,0,-0.12,0.33
3NR5,GLU_5,4.56,0.08,0,-0.02
1J33,TYR_25,10.47,-0.27,-0.24,0.97
3GE9,CYS_215,12.6,0.11,3,4.9
2Q98,HIS_46,6.12,-0.32,0,-0.06
1PV5,ARG_101,11.6,-1.28,0,0.39
3F7M,TYR_163,11.03,0,0.07,0.97
1JSX,ARG_87,12.78,-1.05,0.84,0.49
3M7D,LYS_335,10.67,-0.45,0.14,0.49
2JKF,ASP_92,3.45,-0.55,-0.39,0.6
1WJG,ARG_17,13.28,-0.3,0.64,0.44
1OTM,LYS_64,10.53,-0.04,0,0.07
2D25,TYR_739,9.56,-0.85,-0.11,0.53
2H2Z,CYS_156,9.4,0,-0.31,0.71
3LH5,ASP_701,3.88,0,-0.12,0.21
2ATR,GLU_109,4.56,0.06,0,0
1GPP,ASP_429,3.59,-0.47,-0.01,0.28
1MSI,CYS_207,9.39,0,0.14,0.24
2NRR,LYS_447,10.1,-0.4,0,0
2XJ4,ARG_213,13.69,-0.9,1.54,0.55
2GZR,LYS_99,3.6,-0.85,-0.32,0.97
3OKQ,GLU_622,4.69,0.22,0,-0.02
3GE9,ARG_199,12.19,-0.94,0.32,0.3
3RFF,ARG_23,13.07,-0.34,0.46,0.44
2C2Y,ASP_237,3.89,0,0,0.09
3ONH,ARG_497,12.64,-0.31,0,0.45
3LH5,ASP_701,3.88,0,-0.12,0.21
2BLL,ASP_445,2.75,-1.49,-0.74,1.17
3ETV,LYS_282,10.38,-0.28,0,0.16
3FRR,LYS_7,10.29,-0.11,0,-0.1
1ZBS,CYS_15,9.78,-0.85,-0.09,1.72
3T57,LYS_126,10.48,-0.18,0,0.15
3BJV,GLU_147,3.4,0.43,-1.14,-0.38
1T3Y,ASP_19,3.34,-0.8,0.03,0.31
1EW4,ASP_22,3.99,0,0,0.19
2Z14,LYS_121,10.45,-0.05,0,0
1F2V,GLU_171,3.89,0.38,-0.97,-0.02
4ECC,GLU_30,5.96,2.55,0,-1.09
1BGF,ARG_114,13.88,-0.33,1.34,0.38
2QV2,GLU_155,4.05,0.4,-0.85,0
2CI3,GLU_243,3.79,0.26,-0.58,-0.38
1RKA,ARG_239,12.31,-0.3,0,0.1
2OJQ,GLU_439,4.86,0.26,0,0.1
1Z3X,ARG_133,12.4,-0.12,0,0.03
1DOV,GLU_158,4.36,0.7,-0.83,-0.01
4D8L,ASP_88,3.6,-0.56,-0.33,0.69
2FPN,ASP_104,3.8,0,-0.16,0.15
3Q1C,GLU_52,4.47,0.59,-0.7,0.08
3ZXY,TYR_190,12.69,-0.84,0,3.53
3EVP,LYS_289,10.63,-0.28,0,0.42
3B7X,ARG_24,12.33,-0.24,0,0.07
1N81,ARG_75,12.52,-0.29,0,0.32
4H86,ASP_163,4.09,-0.31,0.18,0.42
1PVT,GLU_164,1.9,0.39,-2.24,-0.76
1OST,LYS_418,10.57,-0.1,0,0.17
1C3K,LYS_105,10.3,-0.28,0,0.08
1O6D,GLU_46,4.33,0.15,-0.33,0.01
2B0A,LYS_170,10.56,-0.15,0,0.21
3UOV,TYR_158,12.62,-0.55,0.5,2.68
4EUG,LYS_15,9.6,-0.94,0,0.03
4EKU,ARG_79,12.14,-0.36,0,0

2WB8,GLU_451,4.6,0.1,0.0
 2G9D,TYR_211,11.41,0,-0.16,1.58
 3EAZ,GLU_142,4.49,0.21,0,-0.22
 2C13,GLU_239,4.53,0.25,-0.21,-0.01
 2B0A,ARG_21,12.34,-0.18,0,0.02
 2B0J,ARG_12,12.86,-1.18,0.75,0.79
 3BPV,ARG_19,12.44,-0.22,0,0.17
 3I82,HIS_106,5.97,-0.86,0,0.33
 2J8A,TYR_296,12.68,0,0.37,2.31
 1NRI,ARG_34,13.28,-0.26,0.63,0.41
 1ZYL,ARG_242,12.63,-0.1,0,0.23
 3IVF,ASP_201,2.14,-2.14,-0.2,0.69
 3RLN,CYS_679,9.79,-0.18,0.04,0.93
 4FCU,TYR_155,12.13,0.71,0.53,0.89
 2QRX,ARG_24,12.89,-0.54,0.46,0.47
 3EJG,LYS_104,10.93,-0.25,0.42,0.26
 1QYI,LYS_33,10.2,-0.33,0,0.03
 1XDZ,TYR_141,12.53,-0.82,1.32,2.04
 3RFF,ASP_139,2.34,-1.65,-0.1,0.29
 2XMZ,GLU_165,4.04,0.38,-0.84,-0.01
 2R2Y,CYS_127,10.55,-0.01,0.13,1.43
 3I47,CYS_183,10.06,0.0,12.0,9.4
 4ETX,GLU_254,4.72,0.3,-0.0,0.08
 4DIU,GLU_132,4.75,0.19,0,0.06
 2O8P,ASP_50,3.63,-0.44,-0.2,0.46
 3ILC,ASP_176,3.75,0,-0.41,0.36
 2VGM,ASP_340,4.18,0,0,0.38
 2FZP,ARG_213,12.25,-0.25,0,0
 3I0C,CYS_209,11.45,-0.85,-0.33,3.63
 3NJM,LYS_12,10.3,-0.2,0,0
 1NIJ,ASP_161,3.94,-0.07,-0.07,0.28
 3M66,LYS_237,10.52,-0.1,0,0.12
 1RWZ,LYS_84,10.46,-0.04,0,0
 2GAU,GLU_114,4.11,0.31,-0.74,0.05
 1AD6,LYS_537,10.39,-0.5,0,0.4
 3PP8,ARG_227,12.4,-0.95,0.36,0.5
 3GOZ,ARG_175,12.03,-0.68,0,0.21
 3HNX,ARG_20,13.09,-0.28,0.54,0.33
 1P6F,LYS_118,10.42,-0.08,0,0
 3KEY,GLU_330,3.76,0.31,-0.7,-0.36
 2ZQ5,ARG_101,12.03,-0.67,0,0.22
 1KCM,ASP_154,3.25,-0.75,-0.71,0.9
 3BWT,ASP_846,3.61,-0.34,-0.54,0.7
 2FZ4,GLU_69,4.88,0.29,0,0.09
 1UW7,CYS_14,11.94,0,0.24,2.7
 2P1W,ASP_84,1.84,-1.96,-1.42,1.42
 3ADO,ARG_261,12.37,-0.17,0,0
 3ELI,ARG_49,12.26,-0.97,0.05,0.68
 1IAP,ARG_126,12.36,-0.14,0,0
 3G53,GLU_91,3.85,1.68,-1.44,-0.89
 3EYE,ASP_147,2.93,-0.85,-0.88,0.85
 3JZN,ARG_173,13.94,-1.13,0.94,1.63
 2X4J,LYS_88,10.71,-0.25,0.17,0.29
 2YYO,LYS_100,10.44,-0.13,0,0.06
 2Z84,CYS_162,11.72,0.16,0.42,2.14
 3M66,GLU_270,4.29,0.24,-0.08,-0.36
 1JT9,GLU_148,1.77,0.75,-2.62,-0.86
 4FH3,ASP_109,3.62,-0.67,-0.02,0.51
 2RGY,ASP_182,3.97,-0.02,-0.27,0.45
 4EZB,TYR_222,10.48,0,-0.02,0.5
 3BWT,ASP_711,3.84,0,-0.21,0.25
 3D5H,TYR_325,10.16,-0.25,0.41
 3BWT,ASP_853,3.65,-0.21,-0.15,0.21
 1RLO,ASP_49,3.86,0,-0.53,0.59
 2BLL,GLU_333,4.39,0.98,-0.36,-0.74
 1F2V,CYS_98,11.24,-0.79,0.59,2.45
 2A6B,TYR_220,13.18,0.85,0.3,2.03
 2GAU,HIS_12,6.08,-0.32,0,-0.11
 2CBE,LYS_18,10.23,-0.38,0,0.1

2PGE,ARG_64,12.37,-0.19,0,0.07
 3LJN,ASP_232,3.49,-0.81,0,0.5
 3QAV,LYS_183,10.52,-0.23,0,0.26
 3FK5,GLU_177,7.1,2.31,0.25,0.05
 1U7U,HIS_188,6.02,-0.21,0,-0.27
 3LQE,GLU_516,4.1,0.57,-0.49,-0.48
 3PZ9,ASP_84,3.02,-0.67,-0.48,0.36
 1NFN,GLU_79,3.72,0.46,-0.85,-0.38
 1KN3,HIS_48,5.85,-0.42,0,-0.22
 3H13,ARG_337,11.36,-1.17,0,0.03
 2RIS,ARG_29,13.02,-0.32,0.42,0.42
 1RKA,ASP_175,2.89,-0.85,-0.38,0.32
 1YOY,ARG_34,12.44,-0.06,0,0
 2HRZ,HIS_-4.64,3,-0.07,0,0
 4AF2,ASP_34,2.4,-1.73,-0.05,0.39
 2P0L,GLU_66,4.51,0.19,0,-0.18
 3CGW,HIS_278,6.32,-0.18,0.19,1.91E-17
 3FFM,ARG_100,12.69,-0.47,0,0.66
 3GT0,GLU_47,4.28,0.26,-0.48,0
 3EZ7,LYS_320,10.41,-0.09,0,0
 1E55,TYR_108,11.19,-0.3,0.1,49
 1E55,ARG_86,13.51,-0.41,0.82,0.61
 3VJ8,GLU_131,3.6,1.25,-2.13,-0.02
 2XHC,GLU_273,4.24,0.85,-0.82,-0.29
 1DOV,ARG_241,12.18,-0.99,0.25,0.42
 2C2Y,LYS_59,10.81,-0.28,0.31,0.27
 3UX2,ARG_149,12.28,-0.22,0,0
 3IL3,CYS_92,8.93,-0.77,0.13,0.58
 3NZL,GLU_15,3.97,0.38,-0.78,-0.12
 3RNV,HIS_411,6.68,-0.64,0.8,0.02
 1V43,LYS_306,10.59,-0.07,0,0.16
 3DHN,GLU_221,3.7,0.23,-0.69,-0.34
 2Z0W,LYS_47,10.47,-0.1,0,0.07
 3Q9P,TYR_133,10.02,0,0,0.02
 3ERF,GLU_57,3.69,0.59,-1.22,-0.19
 1W24,HIS_33,6.77,-0.85,0.85,0.28
 1PVT,ASP_73,2.64,-1.43,-0.24,0.51
 2C13,LYS_158,10.54,-0.06,0,0.1
 3UPD,GLU_20,3.39,1.16,-1.73,-0.55
 3M16,GLU_267,4.33,0.21,0,-0.38
 2A6B,TYR_110,12.6,0.04,9.2,1.1
 2QK1,LYS_558,10.7,-0.12,0,0.31
 4F3J,TYR_214,10.38,0,0.19,0.19
 3LJI,ARG_289,13.52,-0.59,0.83,0.78
 3IL3,ARG_36,12.24,-0.26,0,0
 3EGN,LYS_484,10.41,-0.11,0,0.03
 3EGN,LYS_461,10.37,-0.13,0,0
 2Q12,ASP_241,3.95,-0.05,0,0.2
 2QVT,HIS_81,7.13,-0.41,0.7,0.34
 2BDV,LYS_116,10.41,-0.72,0,0.63
 4ETX,ASP_351,1.88,-2.09,-0.43,0.59
 3DHN,ASP_97,4.03,-0.54,-0.27,1.05
 3EJG,GLU_37,4.44,0.28,0,0.4
 3EX9,ARG_149,12.73,-0.29,0.02,0.5
 3ASA,CYS_168,12.25,0,0.13,3.12
 3EST,ASP_112,3.91,0,0,0.11
 1NAF,LYS_206,10.43,-0.1,0,0.03
 3R87,HIS_7.4,9,-1.14,0,-0.46
 3J29,LYS_401,10.3,-0.4,0,0.21
 3M66,GLU_221,3.8,0.35,-0.85,-0.21
 2VGY,ARG_105,12.4,-0.82,0.04,0.68
 3LQE,TYR_501,10.67,0,0.08,0.59
 4E8B,ARG_209,12.62,-0.28,0,0.4
 2YT4,ASP_549,3.59,0,-0.6,0.38
 2O8P,LYS_15,12.61,-0.75,1.7,1.16
 4GA2,LYS_5,10.93,-0.18,0.12,0.5
 1JYH,LYS_40,10.09,-0.48,0,0.07
 3LJC,LYS_113,10.46,-0.26,0,0.22
 3F6F,TYR_77,11.97,0.93,0.43,0.63

2HXB,TYR_103,11.74,0.85,0.38,0.51
 2OSA,GLU_291,4.31,0.97,-0.79,-0.37
 4DIU,GLU_58,3.67,1.16,-1.5,-0.49
 1ZBM,TYR_18,11.8,0.85,0.4,0.56
 3IPZ,TYR_132,11.08,0.03,0.35,0.74
 2P5D,LYS_116,10.63,-0.26,0,0.39
 1C44,LYS_122,10.09,-0.31,0,-0.1
 3GOZ,ASP_98,3.81,-0.17,-0.01,0.18
 3CCY,LYS_45,10.39,-0.16,0,0.05
 1FHL,TYR_296,12.9,-1.56,0.18,4.29
 2E3C,GLU_324,5.14,3.68,-2.09,-0.96
 3GE9,GLU_10,4.06,0.21,-0.3,-0.35
 2QV2,ARG_319,12.44,-0.09,0,0.03
 2RH3,HIS_169,5.23,-0.74,0,-0.53
 1OGL,ARG_37,13.21,-0.3,0.56,0.45
 3V75,GLU_190,4.62,0.3,-0,0.18
 4DMD,ARG_166,13.35,-0.23,0.82,0.27
 2Z14,ASP_81,3.61,-0.47,0,0.28
 1FO9,LYS_335,10.24,-0.91,0.27,0.38
 1SJ8,LYS_745,10.4,-0.14,0,0.06
 2BV9,ARG_90,13.15,-0.26,0.28,0.62
 1PZC,ASP_100,3.98,0,0,0.18
 1PNC,GLU_129,4.64,0.29,0,-0.15
 1RWZ,LYS_203,11.11,-0.3,0.74,0.17
 2EYI,GLU_254,4.64,0.14,0,0
 1DZF,HIS_147,6.11,-0.38,0,0
 4AM1,GLU_11,3.75,0.49,-0.85,-0.38
 1N81,TYR_76,10.87,0.06,0.82
 3M7D,LYS_116,11.21,-0.26,0.55,0.42
 3V46,HIS_344,6.26,-1.17,0.57,0.38
 1FQI,HIS_381,6.52,-0.51,0.5,0.03
 1DUPT,TYR_93,10.46,0,0,0.46
 1YTD,ASP_274,3,-1.34,-0.3,0.85
 1LZL,ASP_150,1.89,-2.22,-0.32,0.63
 2RIK,ASP_205,3.19,-0.79,-0.29,0.46
 2CXA,ASP_192,3.91,0,0,0.11
 1DTO,TYR_43,11.49,-0.44,0.52,1.41
 3B21,GLU_100,4.63,0.08,0,0.05
 1SUU,TYR_569,12.75,0.84,0.59,1.32
 4ETX,HIS_440,6.57,-0.26,0.17,0.15
 3KEY,GLU_432,4.47,0.14,0,-0.16
 2CVB,HIS_132,6.83,-2.43,1.17,1.59
 4GA2,LYS_40,10.67,-0.14,0,0.31
 1V8E,HIS_170,5.4,-0.78,0,-0.32
 3GEC,GLU_528,4.7,0.33,0,-0.12
 2RIK,ASP_83,2.74,-1.45,-0.24,0.63
 3LQE,LYS_296,5,0.29,0,0.2
 4DEZ,ASP_209,2.92,-1.16,0,0.28
 2H85,ARG_257,12.82,-0.86,0.56,0.62
 3IBT,GLU_186,4.01,1,-1.08,-0.42
 2P4D,TYR_9,11.78,0.62,0.22,0.95
 3P28,ASP_132,4.06,-0.21,-0.33,0.81
 2FZ4,ASP_180,4,0,-0.01,0.21
 3FWU,GLU_74,4.51,0.18,0,-0.17
 4AM1,TYR_145,11.99,-0.03,-1.38,3.39
 1JT9,ARG_156,13.8,-0.88,1.17,1.01
 1X7F,LYS_290,10.44,-0.13,0,0.07
 2H2W,LYS_87,10.29,-0.21,0,0
 2CWC,ARG_156,11.98,-0.71,0,0.19
 2ZQ5,ARG_131,10.61,-3.08,0.51,0.68
 2QV2,ASP_76,2.52,-1.48,-0.83,1.03
 1HF8,HIS_32,5.99,-0.34,0,-0.18
 2FD4,ARG_550,12.03,-0.48,0,0.01
 1L3K,CYS_175,10.73,-0.2,0.04,1.9
 1V5M,GLU_68,4.95,1.8,-0.82,-0.52
 1R5Q,ASP_62,4,0,-0.1,0.3
 2EEY,ASP_23,3.33,-0.58,-0.15,0.26
 1Y2Q,ASP_9,1.97,-1.74,-0.54,0.45
 3E7P,LYS_243,10.53,-0.21,0,0.24

2Q07,ARG_244,12.42,-0.08,0,0
 3I0O,HIS_224,7.89,-2.95,0.83,3.51
 2CW4,LYS_107,10.47,-0.03,0,0
 1SUU,GLU_784,4.57,0.41,0,-0.34
 3H9W,ASP_68,1.8,-2.76,-0.64,1.39
 2P1W,HIS_41,6.15,-0.35,0,0
 3EIZ,HIS_-13,6.37,-0.13,0,0
 3V75,ASP_38,3.27,-0.68,-0.32,0.46
 2F4Q,ARG_186,12.45,-0.07,0,0.01
 3B7X,ASP_35,1.61,-2.8,0,0.6
 3CS1,GLU_149,4.42,0.21,0,-0.29
 2ZQ5,LYS_91,10.49,-0.15,0,0.14
 3V55,GLU_521,4.68,0.4,0,-0.21
 1X04,HIS_204,6.02,-0.42,0,-0.06
 1XAW,TYR_481,10.71,0.22,0.06,0.42
 2BAA,ASP_20,3.22,-0.83,-0.35,0.6
 1TJE,ARG_15,12.49,-0.23,0,0.22
 1XEU,ARG_153,12.49,-0.23,0,0.22
 1PSW,ARG_306,12.03,-0.61,0,0.14
 1OXZ,GLU_203,3.98,0.33,-0.42,-0.43
 2XMZ,ARG_28,13.87,-1.07,1.5,0.95
 1Q46,ARG_52,12.43,-0.07,0,0
 1JB3,GLU_118,4.71,0.2,0.0
 2D7U,LYS_89,11.44,-0.33,0.58,0.68
 1L2F,LYS_339,11.14,-0.39,0.7,0.32
 1BKB,ASP_68,3.62,-0.38,-0.05,0.25
 3EVZ,HIS_238,6.68,-1.35,1.13,0.4
 2OYZ,CYS_91,11.8,0.22,0.81,1.77
 2V5B,LYS_218,10.76,-0.19,0,0.46
 4EF5,ARG_197,12.61,-1.06,0,1.17
 2CN1,CYS_70,10.21,0,-0.02,1.23
 3RKV,ARG_305,12.34,-0.16,0,0
 3RFY,ARG_290,12.26,-0.73,0.06,0.42
 4GA2,CYS_82,11.58,-0.02,0.2,0.2
 2P4D,GLU_104,3.72,0.53,-0.65,-0.67
 3FNI,TYR_11,11.4,0.46,0.94
 1I60,LYS_87,10.39,-0.2,0,0.09
 3IVF,LYS_364,10.44,-0.06,0,0
 2CXV,LYS_42,10.47,-0.03,0,0
 1QYI,LYS_197,11.14,-0.85,0.85,0.64
 2H85,TYR_225,11.76,0.85,0.22,0.69
 3ETU,ARG_92,12.48,-0.36,0,0.34
 4HDE,LYS_91,10.46,-0.04,0,0
 2VGM,LYS_307,11.68,-0.34,0.85,0.67
 2RFA,TYR_222,10.57,0,0.01,0.56
 2QEV,HIS_70,5.71,-1.42,0.41,0.21
 1JEB,GLU_6,4.35,0.08,0,-0.23
 3JZN,ASP_341,3.82,-0.07,-0.41,0.52
 3KEY,TYR_459,10.15,0,-0.01,0.16
 3C6B,HIS_122,5.57,-1.15,0,0.22
 3IVF,ASP_69,4.08,-0.1,0,0.38
 3FWU,HIS_43,6.15,-0.52,0.15,0.01
 2QZQ,LYS_132,10.23,-0.33,0,0.06
 2CBE,HIS_119,4.73,-3.58,0.85,0.96
 3TMO,ARG_227,12.64,-0.58,0.22,0.49
 1Q42,LYS_106,10.08,-0.33,0,-0.08
 2X4J,GLU_116,3.83,0.28,-0.67,-0.28
 3U0V,ARG_19,12.43,-0.07,0,0
 3HUE,GLU_220,3.05,0.42,-1.48,-0.38
 3ILC,ARG_132,12.64,-0.16,0,0.3
 2CXC,ASP_32,2.4,-1.9,-0.96,1.47
 1AD6,GLU_492,5.98,3.72,-1.51,-0.74
 1BN6,GLU_171,4.94,0.21,0,0.23
 1YOY,GLU_37,5.53,2.86,-1.46,-0.35
 3EZY,TYR_218,3.89,0.34,-0.57,-0.38
 1MUF,GLU_183,4.53,0.13,0,-0.1
 3RJX,GLU_308,4.25,0.59,-0.34,-0.5
 2EFK,LYS_166,10.45,-0.05,0,0
 2IXM,ASP_35,1.31,-2.47,-0.58,0.57

1UXO,HIS_119,5.92,-0.72,0.0,14
2OJQ,ASP_459,3.74,-0.51,-0.41,0.87
1H4U,TYR_388,10.3,0,0,0.3
2XHC,TYR_247,9.97,-0.16,-0.23,0.37
2BDV,LYS_113,10.46,-0.04,0,0
1SQW,ARG_174,12.53,-0.22,0,0.25
3UOV,LYS_82,10.52,-0.15,0,0.17
1TR9,LYS_141,10.34,-0.21,0,0.05
4FLE,LYS_115,10.41,-0.09,0,0
3ONT,ARG_106,12.45,-0.05,0,0
3FHF,LYS_5,10.59,-0.09,0,0.18
3CIV,ARG_290,13.81,-0.46,0.8,0.97
2E3C,GLU_199,4.71,0.32,0,-0.11
2PWQ,LYS_9,11.32,-0.22,0.68,0.36
1XFK,ARG_203,13.48,-0.44,0.76,0.66
3K8J,HIS_123,6.29,-0.21,0,0
3PBH,LYS_146,10.22,0,-0.36,0.59
1P4X,LYS_206,9.27,-0.96,0,-0.27
3RLN,LYS_743,10.55,-0.42,0.03,0.45
1MTZ,GLU_242,3.64,0.47,-1.11,-0.22
4ANN,HIS_46,6.19,-0.36,0.08,-0.02
1EYH,ASP_108,3.89,0,-0.15,0.25
3A7L,CYS_57,11.75,0,0.52,2.25
2XWS,TYR_63,10.29,0,-0.06,0.35
1MUF,TYR_335,10.41,0,0.14,0.26
3KT9,ASP_69,3.45,-0.76,-0.08,0.49
1NJ4,LYS_92,10.25,-0.24,0,-0.01
1PZC,GLU_113,4.56,0.3,0,-0.24
1L2F,GLU_79,4.65,0.17,0,-0.01
3RRQ,GLU_146,4.01,0.28,-0.61,-0.15
1EDG,ASP_52,2,-2.28,0,0.47
2BOJ,CYS_10,9.32,-2.41,-0.15,2.87
2QO7,ARG_497,12.92,-0.19,0.12,0.49
2R51,TYR_222,10.7,0,0.21,0.49
3ADO,LYS_33,10.01,-1.02,0,0.53
1TUL,TYR_61,11.88,0.61,1.27
3EX9,ARG_105,12.94,-0.31,0,0.74
1NJ4,ASP_120,4.53,0,0.01,0.71
1GPP,ASP_163,3.08,-1.64,-0.57,1.49
1QYI,LYS_301,10.35,-0.43,0,0.27
2X4G,ASP_335,4.18,0,0.1,0.29
1ANU,ASP_34,3.7,-0.82,0,0.73
4E8B,GLU_22,3.59,0.38,-0.95,-0.33
3BCY,LYS_118,10.47,-0.2,0,0.18
2B3M,LYS_147,10.31,-0.26,0,0.07
1LZL,GLU_281,5.44,0.81,0,0.13
1AKO,ARG_251,11.02,-2.04,0,0.56
4FCU,ARG_59,12.51,-0.36,0,0.37
3L7N,GLU_9,4.63,1.02,-0.88,0
3T8R,ARG_112,12.46,-0.25,0.03,0.19
1N81,ARG_78,11.99,-0.3,0,-0.21
3GW3,ASP_17,3.89,-0.26,-0.28,0.62
1OOX,HIS_181,4.4,-1.72,0,-0.37
2P5D,LYS_109,11.1,-0.63,0.85,0.38
1OTM,GLU_236,4.9,0.4,0,0
1TR9,GLU_182,4.42,0.09,0,-0.18
3E7P,LYS_135,10.44,-0.12,0,0.06
1RWZ,ARG_117,12.24,-0.32,0,0.06
1PZC,HIS_40,5.8,-1.48,0.64,0.15
3L3P,ARG_490,12.45,-0.37,0,0.32
2F4Q,TYR_298,11.68,0.38,1.31
2CWC,TYR_119,9.81,-0.84,-0.64,1.28
3M66,LYS_381,11.34,-0.39,0.85,0.38
2GYZ,ASP_44,2.92,-1.11,-0.3,0.53
2EA9,ASP_95,3.91,-1.35,-0.06,1.53
3C6B,HIS_140,5.5,-0.8,0,-0.19
1LZL,TYR_139,10.92,0.14,0.78
2B0A,LYS_160,10.25,-0.29,0,0.04
3U4K,ARG_69,12.74,-0.24,0.48,0

3HVV,ASP_316,4.06,0.0,11.0,16
3IVF,HIS_176,5.82,-1.36,0.74,-0.06
3LJI,ASP_127,3.5,-0.79,0,0.48
3LJI,ASP_106,2.5,-1.37,-0.38,0.46
1NAR,GLU_61,4.66,0.12,0,0.05
2Q34,TYR_144,11.81,0,0.22,1.59
4FCU,GLU_52,4.62,0.28,0,-0.16
1V43,GLU_229,3.76,0.26,-0.79,-0.21
2JHY,LYS_127,10.61,-0.29,0.17,0.22
4F8A,ARG_564,12.64,-0.12,0,0.26
3H13,LYS_430,11.35,-0.63,0.54,0.95
3CXS,LYS_146,10.34,-0.25,0,0.09
2CXV,GLU_112,4.5,0,0,0
3T8R,CYS_25,9.56,0,-0.09,0.65
1FQI,LYS_346,11.14,-0.63,0.85,0.42
3JZ9,ASP_457,3.42,-0.81,-0.04,0.47
1V6T,LYS_251,10.54,-0.32,0,0.36
1N81,ASP_176,3.71,0,-0.26,0.16
3P2F,ARG_69,13.55,-2.86,1.66,2.25
3ODJ,TYR_106,10.05,0,0,0.05
2Z61,ASP_172,3.36,-0.83,-0.06,0.46
1NAF,ARG_191,12.41,-0.09,0,0
2FBI,GLU_123,4.68,0.18,0,0
2NMU,TYR_14,9.72,-0.81,-0.23,0.76
3V1Q,GLU_666,4.57,0.08,0,-0.01
1BYI,LYS_217,10.56,-0.21,0,0.27
1SFE,ARG_165,12.86,-0.97,0.69,0.64
2V4U,GLU_476,6.93,3.74,-1.38,0.07
3OKQ,LYS_665,10.38,-0.12,0,0
3GW3,GLU_316,3.44,0.27,-1.3,-0.02
4GA2,LYS_106,10.95,-0.26,0.28,0.42
2OGQ,LYS_475,11.96,-1.33,1.7,1.09
1N81,GLU_42,3.92,4.85,-2.1,-3.32
2FL4,ARG_92,12.27,-0.26,0,0.03
1NRI,LYS_208,10.47,-0.26,0,0.24
3FHF,GLU_184,5.22,0.27,0.16,0.29
2B61,ASP_190,3.05,-1.76,0,1.01
3PBH,GLU_171,9.61,5.35,-0.79,0.55
3GG6,GLU_138,5.02,0.6,0,-0.09
4GCO,LYS_229,10.55,-0.14,0,0.19
1ILW,ARG_51,11.05,-1.45,0,0
3BQW,GLU_78,4.53,0.93,-0.82,-0.07
1RWZ,GLU_24,5.01,0.35,0,0.16
2R51,GLU_20,4.21,0.19,-0.72,0.24
3PP8,LYS_58,11.07,-0.31,0.21,0.68
1MIX,LYS_343,10.58,-0.13,0,0.21
2RGY,ARG_112,13.01,-0.19,0.32,0.38
2YWX,GLU_28,4.58,0.16,0,-0.08
1YB2,ARG_89,12.4,-0.12,0,0.02
1T95,ASP_11,2.83,-0.67,-0.38,0.09
2O8I,ASP_65,3.61,-0.81,-0.02,0.64
3H5T,ARG_190,12.19,-0.34,0,0.03
2FG1,ASP_9,2.56,-1.71,-0.27,0.75
1BN6,GLU_31,5.26,0.46,0,0.29
2H14,LYS_87,10.47,-0.12,0,0.09
4FCU,ASP_236,2.84,-1.03,-0.57,0.64
2IXM,LYS_103,10.13,-0.18,0,-0.19
1XFK,LYS_233,10.42,-0.19,0,0.11
3HUE,GLU_193,5.02,0.37,0,0.14
3RJX,GLU_259,4.65,0.4,0,-0.26
2Q34,LYS_80,10.28,-0.54,0,0.32
1RAJ,CYS_212,11.29,-0.09,-0.05,2.43
1YB2,LYS_30,10.45,-0.07,0,0.02
1MIX,LYS_234,11.01,-0.47,0.41,0.57
2B2H,GLU_387,4.58,0.26,0,-0.18
2O8P,LYS_227,10.5,0,0,0
3M66,GLU_311,4.1,0.94,-0.83,-0.5
3C38,HIS_120,6.34,-0.18,0,0.03
1RZ2,TYR_202,12.5,0,-0.04,2.55

1YR6,GLU_134,4.58,0.18,0,-0.1
1WNH,LYS_64,10.41,-0.12,0,0.03
3T57,LYS_268,10.35,-0.08,0,-0.08
2O85,HIS_15,6.36,-0.19,0,0.05
4EKU,ASP_116,3.86,-0.23,-0.06,0.35
4DVD,CYS_123,9.35,-0.03,0.01,0.37
1PV5,CYS_102,11.78,0.035,2.42
3V3T,CYS_87,10.66,-0.21,-0.04,1.92
2ROS,LYS_206,10.54,-0.04,0,0.09
3PM2,HIS_34,7.11,-0.67,0.85,0.43
3R2E,GLU_81,4.61,0.29,0,-0.19
2OOK,LYS_182,10.48,-0.08,0,0.07
2AZP,ARG_34,12.17,-1.05,0.08,0.64
3GEC,TYR_459,12.49,-1.21,0,3.7
2XJ4,GLU_88,3.77,0.5,-0.85,-0.38
2RFA,LYS_54,10.7,-0.24,0,0.43
2YWX,LYS_13,10.63,-0.16,0,0.29
3KEY,ASP_471,4.36,-0.14,0.02,0.67
4EVF,LYS_133,10.42,-0.08,0,0
2FPN,GLU_35,3.74,0.35,-1.07,-0.05
2ZCX,GLU_34,4.83,0.25,0,0.08
3EAR,LYS_43,11.3,-0.46,0.38,0.89
1N2R,TYR_45,10.51,0.02,0.27
3M7G,GLU_169,4.41,0.27,0,-0.36
1TD6,LYS_122,9.89,-0.69,0,0.09
3ETV,GLU_235,4.1,0.3,-0.7,0
3CIV,GLU_156,6.38,1,-1.61,-0.69
3RE9,ARG_96,12.02,-0.49,0,0.02
1V8E,GLU_22,4.18,1.06,-0.6,-0.77
1YTD,GLU_96,4.24,1.77,-1.06,-0.98
3EJC,GLU_23,4.38,0.22,-0.5,0.16
4F85,GLU_278,3.1,1.52,-2.41,-0.52
2CVB,ASP_124,3.17,-1.42,-0.64,1.43
3IVF,LYS_83,10.34,-0.4,0,0.24
2B3M,LYS_133,10.27,-0.08,0,-0.16
3CAX,ASP_370,2.15,-2.14,-0.45,0.93
2OOK,LYS_136,9.88,-0.56,0,-0.06
1T3Y,GLU_44,4.4,0.15,0,-0.25
1GQE,LYS_30,9.62,-0.89,0,0
2D59,GLU_60,4.53,0.09,0,-0.07
2BCF,HIS_159,6.14,-0.36,0,0
1AD6,GLU_458,4.58,1.26,-0.72,-0.46
2P4D,CYS_99,11.06,-0.05,-0.03,2.14
2OKT,HIS_66,6.21,-0.28,0,-0.02
1NAR,LYS_181,10.07,-0.53,0,0.1
2V4U,CYS_362,10.15,0,-0.04,1.18
2GK,LYS_36,10.47,-0.07,0,0.05
3UV9,GLU_410,3.72,0.29,-0.67,-0.4
3PAC,TYR_137,10.28,-0.61,-0.26,1.14
2RIS,ASP_26,2.52,-1.65,-0.03,0.4
2AZP,ARG_289,12.94,-0.48,0.4,0.52
4E8B,ARG_114,12.51,-0.26,0,0.27
1NJ4,ASP_67,2.47,-1.44,-0.38,0.5
1X7F,GLU_200,2.55,1.56,-3,-0.51
3E27,ASP_337,3.17,-0.76,-0.23,0.36
4FD6,TYR_18,10.19,-0.04,-0.05,0.29
3M66,ARG_285,11.66,-0.84,0,0
1YOY,GLU_101,4.62,0.08,0,0.05
4AF2,LYS_167,10.39,-0.16,0,0.05
3COU,TYR_95,10.76,-0.85,-0.09,1.7
2WOZ,TYR_291,10.05,0,0,0.05
1JKS,GLU_173,4.89,0.66,0,-0.28
2YXO,LYS_134,11.1,-0.57,0.65,0.53
2NMU,GLU_60,4.47,0.1,0,-0.13
1WJG,LYS_77,10.38,-0.09,0,-0.03
1EV8,GLU_250,4.51,0.24,0,-0.23
3IVF,GLU_186,4.47,0.19,0,-0.22
1MIX,LYS_320,10.45,-0.05,0,0
1NAF,LYS_198,10.42,-0.08,0,0

3V46,GLU_306,4.18,0.22,-0.13,-0.41
3RE9,LYS_163,10.31,-0.24,0,0.05
2GEN,ARG_101,12.44,-0.67,0.32,0.28
2B2H,TYR_136,10.49,-0.01,0.21,0.29
1X9G,LYS_79,10.67,-0.11,0,0.28
4F85,ASP_98,3.28,-0.81,-0.58,0.87
3LJN,ARG_225,12.98,-0.18,0.27,0.4
2RIK,LYS_108,10.47,-0.48,0,0.45
2C13,LYS_266,11.23,-0.79,0.85,0.68
3RE9,ASP_169,2.55,-1.06,-0.75,0.56
1SBX,GLU_99,3.98,0.31,-0.84,0.01
1ZKZ,ASP_89,3.91,0,0,0.11
1T07,LYS_72,11.52,-0.35,0.85,0.52
3ON1,LYS_64,11.2,-0.5,0.82,0.38
2AHE,ASP_209,3.06,-0.76,-0.39,0.41
3GA2,LYS_138,11.28,-0.68,0.85,0.61
3HZQ,ASP_172,4.37,-0.08,0,0.65
2H30,ASP_175,2.52,-1.52,-0.06,0.31
2E0T,HIS_61,6.92,-0.44,0.68,0.18
3A4C,ARG_474,11.98,-0.4,0,-0.12
3Q2C,LYS_5,11.52,-0.31,0.85,0.48
3FK5,ASP_52,11.58,-2.9,0.59,1.39
3CJW,CYS_260,9.89,-0.32,-0.36,1.57
1N81,TYR_118,12.22,0.71,1.51
2IDC,GLU_166,4.35,0.23,-0.19,-0.19
1J79,LYS_250,10.44,-0.11,0,0.05
2CL3,TYR_158,10.49,0.22,0.27
3M3P,HIS_245,6.31,-0.14,0,-0.05
1WXQ,GLU_63,4.48,0.86,-0.66,-0.41
2QV2,GLU_241,5.02,1.19,-0.77,0.1
3V3T,HIS_45,6.14,-0.41,0,0.05
1PBV,GLU_87,4.44,0.11,0,-0.17
2EEY,LYS_51,10.3,-0.21,0,0.01
3KB5,GLU_342,4.4,0.29,-0.09,-0.3
1ZBM,TYR_238,10.14,0,-0.13,0.27
2JHY,ARG_111,12.15,-0.38,0,0.03
3V55,GLU_624,4.02,0.36,-0.79,-0.05
3BZT,TYR_301,10.22,0,-0.15,0.37
1ANU,ARG_38,12.48,-0.22,0,0.2
2XSA,ASP_456,3.72,-0.34,-0.12,0.37
1XTD,LYS_37,10.37,-0.13,0,0
3J5N,GLU_110,6.42,3.51,0,-1.59
2JEO,ARG_57,11.89,-0.7,0,0.08
4FD6,LYS_150,10.25,-0.3,0,0.06
3C0C,GLU_320,4.89,0.17,0,0.22
3U56,ARG_92,13.61,-0.7,1.26,0.54
1LZL,GLU_265,10.64,-0.47,1.47,2.16
2EDM,ASP_199,3.91,0,0,0.11
3HVM,LYS_232,11.16,-0.8,0.24,1.22
2OEW,LYS_96,9.97,-0.24,0,-0.29
2PIM,TYR_6,10.48,0,0.01,0.48
1EYH,GLU_26,4.81,0.27,0,0.04
3E27,HIS_327,6.78,-0.28,0.59,-0.02
1Q5Z,HIS_535,7.26,-0.36,0.85,0.27
1AIL,ASP_24,3.04,-0.74,-0.41,0.39
2B78,GLU_205,5.06,0.43,0,0.13
3NR5,ARG_93,12.42,-0.12,0,0.03
3RLN,TYR_705,12.59,0.62,1.98
1QYI,GLU_153,4.64,0.21,-0.06,0
1R7J,LYS_61,10.81,-0.15,0,0.45
1OGL,HIS_228,6.08,-0.44,0,0.03
3M9A,ASP_22,3.96,0,0,0.16
4GCO,ARG_248,12.31,-0.28,0,0.09
1WPA,LYS_519,13.32,-0.23,0.74,0.3
3M70,GLU_64,4.24,0.28,-0.54,0
2W1R,ASP_127,3.36,-0.69,0.25
2IXM,ARG_236,12.62,-0.26,0,0.37
3BB7,ARG_254,12.09,-0.48,0,0.07
2IDC,ARG_145,12.37,-0.31,0,0.18

1MML,LYS_193,10.67,-0.64,0.32,0.49
3CJW,CYS_326,9.15,0.0,0.01,0.14
2AZP,CYS_246,12.63,0.1,0.31,3.21
1PGV,LYS_239,10.68,-0.26,0.01,0.43
2WB3,LYS_278,10.38,-0.12,0.10,0
3Q2C,LYS_41,10.46,-0.09,0,0.05
4D8L,HIS_180,3.12,-3.18,0,-0.2
1UOH,ARG_35,12.52,-0.27,0,0.28
2A6B,ASP_5,3.91,-0.02,-0.07,0.2
3U2A,ARG_36,12.73,-0.19,0,0.41
1AT0,HIS_316,5.59,-0.64,0,-0.28
2OSA,GLU_455,5.52,0.89,0,0.12
3LMO,HIS_28,6.44,-0.4,0,0.33
2PWQ,LYS_127,10.66,-0.11,0,0.27
3CCY,CYS_112,10.51,-0.15,0.11,1.56
1E59,LYS_22,10.61,-0.22,0,0.32
2E3S,CYS_433,9.8,-3.6,0.56,3.84
2QV2,TYR_293,10.69,0.15,0.36,0.18
1W7B,ARG_77,12.36,-0.15,0,0.02
4DEZ,LYS_189,10.46,-0.04,0,0
1O17,LYS_261,11.32,-1.94,1.68,1.09
3A4C,GLU_464,4.8,0.27,0,0.03
3CSR,ASP_57,3.61,-0.47,0,0.28
1GXN,TYR_443,11.19,-0.03,0.3,0.93
2WB3,LYS_334,10.37,-0.13,0,0
1XDZ,ARG_105,13.11,-1.33,1.28,0.66
2QDJ,ASP_111,2.87,-0.85,-0.38,0.31
3I4T,ARG_97,12.23,-0.33,0,0.07
2C2Y,GLU_14,3.6,0.41,-0.83,-0.48
2VAN,GLU_309,4.61,0.15,0,-0.05
3G9G,GLU_135,3.56,0.37,-1.14,-0.18
1WNH,LYS_208,10.42,-0.22,0,0.14
1ZBM,TYR_236,11.82,0.69,0.56,0.57
3P28,LYS_233,10.58,-0.23,0,0.31
2E0T,ARG_158,12.6,-0.91,0.39,0.63
1MUF,TYR_191,11.49,0,0.04,1.45
1YM5,LYS_8,11.91,-1.25,1.7,0.96
1X9G,LYS_10,10.21,-0.27,0,-0.02
1K95,HIS_142,6.57,-0.19,0,0.27
1W24,LYS_180,11.38,-0.3,0.85,0.32
1RSQ,LYS_66,10.56,-0.15,0,0.21
3V75,ARG_115,13.49,-0.28,0.6,0.67
3GFP,LYS_433,10.62,-0.11,0,0.24
1YOK,ARG_108,11.98,-0.86,0,0.33
3IDW,ASP_34,3.22,-0.86,0,0.29
3BA1,GLU_216,4.17,0.2,0,0.01
4F8A,CYS_589,11.29,-0.01,0.2,3
3VHJ,GLU_56,4.68,0.24,0,-0.06
2FBQ,ARG_113,11.93,-0.62,0,0.04
2HRZ,LYS_75,10.29,-0.26,0,0.04
1NWA,ARG_83,12.17,-0.19,0,-0.14
2D2S,GLU_557,4.79,0.23,0,0.06
1O3X,HIS_235,6.65,-0.48,0.63,0
3R2E,ARG_39,12.8,-0.09,0,0.38
1E59,TYR_193,10.38,0,0.02,0.36
1VSM,HIS_104,2.96,-3.15,0,-0.39
1LTU,ASP_34,3.45,-0.49,-0.18,0.32
3OOP,LYS_59,10.41,-0.09,0,0
3GV0,ARG_246,12.3,-0.36,0,0.16
1WYC,LYS_315,10.44,-0.06,0,0
2Q07,ARG_282,13.02,-2.38,1.37,1.53
3A4C,GLU_506,3.54,0.3,-1.02,-0.25
2BDD,LYS_132,10.36,-0.11,0,-0.03
3CIV,HIS_84,6.71,-1.26,0.85,0.61
3BA1,TYR_29,10.86,0,-0.03,0.9
3B4D,GLU_219,3.63,0.43,-0.68,-0.62
1L3K,ASP_48,2.2,-1.96,-0.09,0.44
3CXS,GLU_127,4.83,0.2,0,0.13
1I60,LYS_274,10.49,-0.14,0,0.12
3ZXY,HIS_114,4.33,-1.71,0,-0.46
4FCU,ARG_139,12.52,-0.31,0,0.32
2H8O,LYS_49,10.34,-0.27,0,0.11
2XMX,ASP_39,3.95,-0.09,-0.03,0.27
3HVM,GLU_297,3.59,0.32,-0.85,-0.38
1R2Z,GLU_207,4.83,0.34,-0.01,0
3EVN,LYS_54,10.4,-0.12,0,0.02
2PGE,LYS_173,10.2,-0.72,0,0.42
3LE4,ARG_341,12.47,-0.03,0,0
2F9F,ASP_53,3.74,-0.35,0.02,0.27
1NR1,GLU_89,5.065,0,-0.16
2D0A,TYR_20,12.65,0.12,0.4,2.13
4DIU,LYS_164,10.78,-0.13,0,0.41
3Q1C,TYR_394,13.04,0.42,0.12,2.51
1GXN,ARG_557,13.59,-0.46,0.85,0.71
2QK0,ASP_30,3.3,-0.61,-0.12,0.22
2QHT,GLU_107,5.95,1.5,0,-0.05
4FCU,HIS_24,6.6,-0.54,0.68,-0.03
2O0K,LYS_19,10.4,-0.1,0,0
2Q98,GLU_107,4.66,0.16,0,0
1SUU,ARG_626,11.83,-1.19,0.17,0.34
2I88,TYR_507,13.59,0.02,2.3,36
3EZ7,CYS_326,9.57,-0.25,0.33
4H89,GLU_25,4.45,0.43,-0.32,-0.15
2QK1,CYS_443,12.5,-0.01,0.27,3.25
3KVO,ASP_53,3.69,-0.44,0,0.34
2WB8,GLU_497,5.97,4.14,-2.29,-0.4
3EYE,LYS_137,10.27,-0.34,0,0.11
1JKS,LYS_154,10.45,-0.12,0,0.07
2D7U,GLU_79,3.41,0.24,-0.85,-0.48
3F7M,ARG_229,12.3,-0.2,0,0
1J7G,ASP_14,2.57,-1.42,-0.38,0.57
2R57,ASP_337,3.75,-0.3,-0.22,0.47
1AKO,GLU_114,3.29,0.31,-0.88,-0.65
4FH3,LYS_282,10.44,-0.13,0,0.07
2XJ4,HIS_24,3.59,-3.2,0,0.28
3H04,ARG_130,12.87,-1.41,1,0.78
2ZQ5,ARG_304,13.4,-1.34,1.61,0.64
4ACJ,ASP_767,4.23,0.2,0.23
1DVO,ARG_170,13.12,-0.33,0.39,0.56
3BA1,GLU_261,4.04,2.21,-1.61,-1.07
2O4D,TYR_15,10.26,0,0.01,0.26
4ESS,GLU_131,4.06,0.35,-0.26,-0.53
3RUX,LYS_74,10.29,-0.57,0,0.36
3G6S,CYS_220,10.69,0.42,1.28
2FBQ,HIS_125,6.41,-1.26,1.19,-0.22
3IVF,GLU_342,4.9,0.6,0,-0.39
1J85,ARG_28,12.87,-0.85,0.22,1.01
3EGN,ARG_398,12.11,-0.68,0,0.28
2A0J,LYS_74,10.31,-0.24,0,0.04
1WLY,LYS_182,10.09,-0.41,0,0
1KN3,HIS_85,4.11,-2.71,0.82,-0.5
2FPN,GLU_111,4.7,0.27,0,-0.06
4FH3,TYR_205,9.74,0,-0.41,0.16
3OBS,HIS_119,5.92,-0.63,0,0.04
2W0G,LYS_149,10.26,-0.25,0,0.01
1A8Q,LYS_261,11.34,-0.76,0.85,0.76
3ETU,LYS_350,10.64,-0.15,0,0.28
1O59,TYR_314,11.7,-0.18,0,1.88
3OKQ,LYS_576,11.11,-0.28,0.49,0.39
1XKR,GLU_176,3.39,0.19,-0.85,-0.45
2YT4,LYS_500,10.46,-0.04,0,0
3ODJ,ARG_187,12.19,-0.2,0,0.1
4DEZ,ARG_26,12.2,-0.33,0,0.03
1RHS,TYR_6,10.34,-0.72,-0.59,1.65
1C3K,ASP_5,2.53,-1.28,-0.55,0.56
1AKO,LYS_60,10.29,-0.12,0,-0.09
3T57,GLU_137,4.76,0.23,0,0.02
1ZCU,LYS_180,10.54,-0.48,0,0.52
3Q1C,LYS_374,10.47,-0.47,0.07,0.36
3IV4,TYR_37,11.94,0.11,0.55,1.29
2AD1,GLU_195,6.35,3.57,-1.78,0.06
1R15,GLU_279,4.17,0.7,-0.46,-0.57
3O59,GLU_11,4.43,0.28,-0.6,0.24
3DB9,GLU_14,4.53,0.2,0,-0.17
3BB7,LYS_140,10.57,-0.54,0.18,0.43
2G9D,ASP_50,2.59,-1.38,-0.4,0.56
3U0V,LYS_202,10.47,-0.23,0,0.19
2CXA,HIS_124,5.66,-1.55,0.72,-0.01
3CBN,GLU_156,3.31,0.56,-0.97,-0.78
2FXT,LYS_239,10.38,-0.12,0,0
1IDK,ASP_159,4.54,0,-0.03,0.77
3RE9,HIS_158,6.79,-0.95,0.85,0.39
3L7N,TYR_67,11.59,-0.29,0.48,1.4
1FHL,TYR_191,9.88,-0.37,0.02,0.23
2YX0,LYS_135,9.94,-0.64,0,0.09
2RH3,ARG_196,12.81,-0.26,0.16,0.41
1MTZ,GLU_256,4.34,0.39,0,-0.55
3M7D,GLU_175,2.94,0.43,-1.55,-0.44
4F8A,GLU_651,4.14,0.33,-0.34,-0.35
2IQT,GLU_75,2.84,0.85,-1.52,-0.98
3CXS,CYS_179,8.99,-0.28,0,0.28
3MM4,ASP_979,3.33,-0.42,-0.41,0.36
4EKU,GLU_243,3.84,1.71,-0.77,-1.61
3MIX,LYS_573,10.76,-0.12,0,0.38
2AZP,TYR_84,13.52,0.61,0.22,2.7
1ILW,LYS_32,11.45,-0.39,0.63,0.7
2W2S,ARG_117,12.23,-0.2,0,-0.06
2W2S,LYS_160,10.69,-0.12,0,0.31
3EUR,ASP_16,2.64,-0.85,-0.76,0.45
3I47,LYS_209,10.76,-0.55,0.34,0.46
3GOZ,TYR_94,10.37,0.0,19,0.18
2BAA,CYS_223,11.65,-0.45,-0.07,3.18
3ONH,LYS_551,10.42,-0.12,0,0.03
1DZF,LYS_71,10.66,-0.63,0.17,0.61
1QQE,ASP_214,3.33,-0.81,-0.11,0.44
4FCU,GLU_129,4.67,1.19,-0.47,-0.54
3BQW,ASP_94,2.42,-1.61,-0.2,0.43
2EFK,GLU_135,4.38,0.4,0,-0.52
1QQE,LYS_279,10.32,-0.31,0,0.13
3RFF,ASP_29,2.26,-1.44,-0.35,0.26
2GKG,ASP_30,3.6,-0.55,-0.25,0.61
2Y2T,HIS_90,6.24,-0.25,0.04,-0.05
3VHJ,TYR_129,10.39,0.03,0.37
2POY,HIS_251,5.18,-1.8,0.92,-0.44
2ILR,ARG_371,11.56,-1.34,0.01,0.4
1T95,GLU_198,4.67,0.21,0,-0.04
1PV5,ARG_108,11.49,-1.06,0,0.05
1R7J,GLU_8,3.57,0.29,-0.83,-0.4
1JB3,ARG_128,13.33,-0.25,0.69,0.38
3SMD,GLU_99,3.87,0.49,-0.63,-0.49
2IRM,ARG_304,12.18,-0.37,0,0.05
3RVC,GLU_97,3.57,0.78,-1.26,-0.45
2IRM,CYS_288,11.4,-0.04,-1.05,3.5
1WRU,ARG_231,12.26,-0.24,0,0
3H13,TYR_347,9.66,-0.37,-0.21,0.24
2XWS,ASP_60,3.29,-0.65,-0.17,0.3
2DFL,HIS_238,6.03,-0.47,0,-0.01
3CCY,HIS_50,6.05,-0.22,0,-0.23
3I82,TYR_65,9.88,-0.18,-0.24,0.31
1GPP,CYS_75,12.77,-0.11,0.25,3.64
3LJC,ASP_216,12.12,-0.24,0,-0.14
1Z3X,ASP_93,4.29,0.0,16,0.33
3F6F,ARG_97,10.86,-1.66,0,0.03
1IDK,ARG_308,13.3,-1.63,1.41,1.02
2E0T,ASP_125,2.63,-1.48,-0.01,0.32
3EST,CYS_26,12.11,0,0,3.11
3EAZ,GLU_147,3.63,0.15,-0.8,-0.21
2OSA,TYR_396,10.6,-0.23,0.07,0.75
1ZKZ,HIS_54,6.42,-0.22,0,0.14
1RSS,TYR_44,12.05,0.21,0.56,1.27
1J7G,GLU_107,5.11,0.61,0,0
3ZTA,TYR_74,10.55,0.02,2,0.33
2V5B,GLU_130,4.42,3.32,-2.94,-0.48
2Q99,LYS_358,10.35,-0.13,0,-0.02
2XHC,TYR_14,10.22,0,0.02,0.2
1JKS,ARG_150,12.77,-0.39,0.17,0.5
1H09,LYS_225,10.3,-0.19,0,-0.01
2Q98,GLU_145,4.63,0.13,0,0.01
1PBV,GLU_229,4.6,0.22,0,-0.13
2R4Q,ARG_256,12.28,-0.22,0,0
3RHE,ARG_84,13.31,-0.15,0.48,0.49
1F2V,ASP_59,4.03,0,0,0.23
1YOK,GLU_138,4.72,0.22,0,-1.39E-17
1RAJ,LYS_140,10.33,-0.2,0,0.03
3NR5,ARG_150,12.31,-0.58,0,0.39
1NR1,LYS_175,10.51,-0.05,0,0.07
1O5T,GLU_199,5.01,1.95,-0.71,-0.73
4F85,GLU_181,7.88,4.92,-1.6,0.06
2FD4,LYS_529,11.06,-0.28,0.69,0.15
3FK5,TYR_95,9.71,-0.7,0.2,0.21
3IL3,GLU_23,4.37,0.36,-0.62,0.14
2FPN,LYS_20,10.46,-0.17,0,0.13
1LTU,GLU_62,4.92,1.13,-1.02,0.31
1J33,GLU_220,5.13,0.43,0,0.19
1T07,ASP_71,4.18,0,-0.22,0.6
2QK1,LYS_382,10.35,-0.15,0,0
3BCY,LYS_106,10.47,-0.29,0,0.27
2F9F,TYR_133,11.09,0,0.12,0.97
2GOV,TYR_55,11.18,-0.22,0.43,0.97
1LFP,HIS_120,5.55,-0.82,0,-0.13
2FBQ,TYR_141,13.25,0,0,3.25
1MTZ,LYS_117,12.29,-0.4,1.32,0.86
1N81,CYS_46,11.85,-0.13,-0.57,3.55
3NBI,ASP_71,3.93,0,0,0.13
2PIM,GLU_14,4.62,0.12,0,0
3PM2,CYS_54,10.2,-1.56,0.2,2.55
2VGY,TYR_86,10.5,0.0,14,0.36
1NRI,LYS_39,3.72,1.06,-1.33,-0.52
4E8B,CYS_160,11.89,-0.04,-0.02,2.94
1SUU,LYS_745,10.44,-0.15,0,0.09
3LJI,GLU_175,4.96,0.63,0,-0.18
2RIS,LYS_140,10.22,-0.28,0,0.01
1R16,LYS_149,10.25,-0.4,0.0,14
3UAH,ASP_235,4.07,0,0,0.27
3M7G,GLU_237,4.65,0.1,0,0.05
3JRT,GLU_11,4.14,0.34,-0.61,-0.1
1X7F,HIS_29,6.95,-0.7,0.85,0.29
2B78,ASP_83,3.76,0,-0.33,0.29
3M3P,ASP_217,3.8,0,-0.22,0.2
1YMS,TYR_210,12.38,0,0.5,1.88
2ZCO,GLU_149,4.4,0.76,-0.67,-0.18
1ZBS,HIS_88,6.32,-0.16,0,-0.02
3F1X,GLU_47,4.33,1.3,-0.7,-0.76
3VJ8,HIS_161,6.35,-0.31,0,0.16
3EZ7,TYR_82,10.08,-0.38,0.09,0.37
3FRR,TYR_75,12.25,0.14,0.49,1.61
3M66,LYS_189,11.43,-0.23,0.77,0.38
3GW3,TYR_182,10.34,0,0,0.34
3ADO,ARG_103,12.32,-0.24,0,0.06
1VJG,ASP_59,3.02,-0.99,-0.54,0.75
2D2S,ASP_537,3.08,-0.85,-0.51,0.65
1Q8B,GLU_67,6.45,2.62,-0.63,-0.04
3B79,GLU_108,4.73,0.14,0,0.09
2Q12,LYS_124,10.41,-0.12,0,0.04
1R16,GLU_305,4.27,0.41,0,-0.65
2V5B,HIS_48,6.18,-0.36,0,0.04

1L2H,GLU_25,4.64,0.32,-0.07,-0.11
3ADO,HIS_137,6.98,-0.77,0.76,0.49
2CWY,HIS_50,5.85,-0.56,0,-0.08
3GYW,TYR_151,10.69,-0.24,0.18,0.75
1EDG,ARG_155,12.09,-0.64,0,0.24
3KEY,TYR_421,9.97,-0.62,0.28,0.32
2Z14,ARG_69,12.45,-0.17,0,0.11
3RFY,ASP_402,4.18,0,-0.06,0.43
1MJS,ARG_278,12.55,-1.08,0.53,0.58
2FC3,ARG_8,12.95,-0.37,0.08,0.73
3RLE,LYS_60,10.42,-0.08,0,0
1Z9L,GLU_82,2.76,0.35,-1.63,-0.47
1ZKZ,ASP_47,3.8,-0.12,0,0.13
2OEW,GLU_137,4.24,0.4,-0.3,-0.35
3PZ9,ARG_157,12.96,-0.71,0.04,1.14
2HRZ,GLU_267,4.09,0.58,-0.76,-0.23
1SNT,ARG_185,6.04,-0.24,0,-0.21
2YLF,LYS_187,10.36,-0.13,0,-0.01
1JKS,LYS_28,10.88,-0.35,0.42,0.31
3C2E,ARG_131,12.25,-0.33,0,0.07
3D9H,HIS_124,6.03,-0.45,0,-0.02
1JT9,GLU_102,4.62,0.15,0,-0.03
3BCY,HIS_63,6.41,-0.15,0,0.06
1KN3,ARG_141,12.41,-0.24,0,0.15
1UXO,GLU_82,3.78,1.4,-1.45,-0.65
2CE6,ARG_29,12.06,-1.23,0.39,0.41
2GKG,ASP_11,3.1,-0.93,-0.16,0.4
1R9W,LYS_292,10.12,-0.5,0,0.13
1OST,ARG_127,13.13,-0.36,0.53,0.46
3F6M,LYS_61,10.4,-0.17,0,0.06
2CN1,GLU_122,3.47,0.33,-0.68,-0.68
3ASA,CYS_383,10.9,0,0.02,1.87
2B0J,ASP_134,3.4,-0.71,-0.1,0.4
2F4Q,ARG_336,12.7,-0.42,0,0.62
1TD6,LYS_134,10.11,-0.24,0,-0.15
3I0C,GLU_135,3.61,0.42,-0.85,-0.46
2IXM,LYS_28,9.69,-0.71,0,-0.1
3F1X,TYR_226,11.54,0,0.79,0.75
2XJ4,ARG_194,13.44,-0.26,0.82,0.38
1DVO,CYS_98,9.79,0.08,0.15,0.57
1C8Y,LYS_19,8.3,-0.73,0,0.03
1AD6,GLU_539,4.62,2.2,-1.45,-0.63
1EYH,ASP_31,3.17,-0.82,-0.29,0.48
3B4D,ARG_227,12.42,-0.08,0,0
1ZCU,TYR_145,12.19,-0.85,0.48,2.56
3N2T,CYS_212,12.09,0.02,-0.06,3.13
1D7O,GLU_90,3.29,1.26,-1.66,-0.8
3PBH,TYR_148,10.22,0,0.08,0.14
1QQL,TYR_125,10.68,0.23,0.17,0.28
1NFN,GLU_59,3.46,0.54,-1.58,0
1OLR,CYS_175,13.19,0,0.36,3.83
3M7G,TYR_38,10.06,0,-0.14,0.2
1SJ8,GLU_657,4.97,0.78,0,-0.3
2OGQ,ARG_560,13.82,-0.65,0.7,1.28
1L3K,TYR_124,10.31,-0.77,0.06,1.02
3HZQ,LYS_45,10.43,-0.07,0,0
2X4J,TYR_111,10.15,0,0.06,0.1
1YM5,LYS_291,10.27,-0.29,0,0.06
3KB5,LYS_330,10.46,-0.13,0,0.1
2CN1,GLU_19,4.53,0.21,0,-0.18
2H01,ARG_149,12.72,-0.32,0,0.54
3HVM,LYS_258,10.62,-0.11,0,0.24
1SUU,ASP_762,4.03,0,0.05,0.18
3ANJ,TYR_239,10.21,0.04,0.17
2B78,ASP_309,3.78,0,-0.42,0.41
1J33,TYR_241,10.75,0,0.25,0.51
1IDK,HIS_210,4.33,-3.19,1.05,-0.02
3GEC,CYS_467,8.7,-1.42,-0.13,1.25
1MTZ,GLU_279,4.13,0.25,-0.72,0.1

1LFP,HIS_115,6.68,-0.26,0.75,-0.3
4ANN,GLU_65,3.6,0.33,-0.85,-0.38
3PP8,LYS_73,10.28,-0.28,0,0.07
1Z9L,LYS_83,10.45,-0.05,0,0
1T3J,ARG_679,12.38,-0.12,0,0
2Q07,LYS_431,10.47,-0.03,0,0
3DHN,LYS_209,10.44,-0.11,0,0.05
3L7N,GLU_73,5.53,3.8,-0.85,-1.93
3ERF,GLU_205,3.84,0.3,-0.73,-0.23
3HYQ,LYS_55,10.91,-0.73,0.85,0.27
1UW7,GLU_-7,4.99,0.5,0,-0.01
2RIS,ASP_170,2.14,-1.6,-0.45,0.4
2X4G,TYR_54,10.6,-0.58,-0.53,1.71
2B78,ASP_117,4.19,0,-0.01,0.41
2R2Y,LYS_42,10.46,-0.06,0,0.01
2BAA,HIS_121,5.57,-0.99,0,0.06
1O17,ARG_263,12.95,-0.22,0.08,0.59
3EJG,LYS_147,11.25,-1.21,0.85,1.11
1H4U,GLU_616,4.65,0.15,0,0
2IQ7,TYR_33,10.21,-0.77,-0.41,1.39
3HKX,GLU_209,5.24,1.4,0,-0.66
3CCY,ARG_87,12.06,-0.45,0,0.01
3K8J,TYR_227,11.46,0,0,1.46
1RZ2,TYR_191,10.14,0,-0.07,0.2
2XJ4,GLU_53,4.75,0.71,0,-0.45
4AF2,CYS_82,12.37,-0.59,0.42,3.54
2F9F,LYS_6,11.54,-0.33,0.85,0.51
1XKR,LYS_86,11.49,-0.83,1,0.81
2B61,GLU_38,4.05,0.32,-0.77,0
2Q99,HIS_286,6.12,-0.38,0,0
1BN6,ARG_164,10.84,-1.86,0,0.2
1L2F,GLU_96,4.66,0.33,0,-0.17
2F9F,ASP_138,3.15,-1.05,0.41
2EYI,ARG_185,12.52,-0.23,0.0,0.25
2H85,ARG_206,11.27,-1.22,0,-0.01
3TIR,LYS_29,10.36,-0.14,0,0
4DIU,TYR_127,11.07,0,0,1.07
3BQW,HIS_332,4.46,-2.2,0.08,0.09
2H85,ASP_239,2.15,-1.67,-0.43,0.45
1KN3,LYS_77,10.44,-0.06,0,0
1JKS,TYR_128,10.16,-0.03,0,0.19
3CGW,ARG_266,12.41,-0.13,0,0.04
2QVT,HIS_117,5.6,-0.36,0,-0.54
3GEC,HIS_492,6.21,-0.62,0.05,0.28
3GFP,TYR_325,12.66,-0.85,0.3,51
4GCO,ARG_232,12.45,-0.22,0.17
3P28,ASP_81,4.03,0,-0.01,0.24
2CVB,ARG_159,13.08,-0.29,0.36,0.51
3NR5,LYS_149,10.36,-0.17,0,0.03
3H9W,GLU_67,4.33,0.16,0,-0.33
2QEV,ASP_59,4.03,0,-0.04,0.27
1A8Q,LYS_245,11.87,-0.53,0.97,0.93
2QV2,LYS_53,10.6,-0.68,0,0.78
3E7P,TYR_140,10.81,0,0.21,0.6
2QK1,LYS_342,10.59,-0.08,0,0.17
4F85,GLU_260,4.81,0.31,0,0
4F8A,ASP_562,3.72,-0.25,0,0.17
3I47,GLU_136,5.53,1.82,-0.79,-0.01
1F09,LYS_301,11.14,-0.34,0.81,0.17
1NJ4,ASP_37,2.44,-1.58,-0.43,0.65
2EFK,CYS_99,10.11,-0.19,-0.43,1.74
1UAI,ASP_51,3.49,-0.54,-0.08,0.32
3HVM,GLU_97,3.1,0.81,-1.53,-0.69
2D7J,LYS_184,10.11,-0.22,0,-0.17
3LJN,ARG_120,12.03,-0.64,0,0.17
3ETV,ARG_13,11.95,-0.56,0,0.02
2CXC,ARG_56,12.32,-0.18,0,0
3CX5,ARG_118,13.01,-0.53,0.17,0.87
1RAJ,LYS_359,10.43,-0.08,0,-1.39E-17

4H86,GLU_157,3.79,2.72,-3.24,-0.18
2WZ9,LYS_92,10.01,-0.45,0,-0.04
3EOD,ASP_42,4.4,0,0.32,0.28
3L3P,GLU_411,4.51,0.08,0,-0.07
3LH5,LYS_763,10.42,-0.08,0,0
2POL,ASP_119,2.7,-1.38,-0.06,0.34
3V55,HIS_356,5.04,-1.29,0,-0.17
2C2Y,HIS_191,5.67,-0.42,0,-0.4
3CGW,ARG_91,12.51,-0.17,0,0.18
3ILC,ARG_103,12.32,-0.37,0,0.19
1R53,LYS_84,10.55,-0.11,0,0.16
1YDL,ASP_40,4.25,-0.03,0.13,0.36
1C44,ASP_77,3.88,-1.49,-0.16,1.73
3EVN,ASP_192,3.19,-0.75,-0.46,0.6
2B61,ASP_161,3.26,-0.85,-0.63,0.94
3PBH,ASP_34,3.36,-0.32,-0.61,0.48
2PLQ,LYS_160,10.34,-0.25,0,0.09
1FKM,ARG_274,12.02,-0.64,0,0.17
1LN4,GLU_42,4.07,0.34,-0.56,-0.22
2ZOM,ARG_37,11.51,-1.48,0.03,0.46
2F9F,GLU_166,3.71,0.4,-0.75,-0.43
1PBV,HIS_200,6.39,-0.7,0.82,-0.23
3P51,ASP_11,2.68,-1.25,-0.33,0.47
2GKG,ASP_72,2.14,-1.74,-0.49,0.57
2YLF,CYS_120,9.76,-0.04,-0.3,1.1
2AZL,TYR_190,10.8,-0.12,-0.49,1.41
1SQW,ASP_32,2.57,-1.4,-0.34,0.51
2Z61,LYS_269,10.64,-0.11,0,0.25
2QEV,HIS_55,6.47,-0.28,0,0.25
2D59,LYS_144,10.48,-0.02,0,0
2Q99,ARG_369,12.21,-0.28,0,-0.01
3Q2C,GLU_40,4.13,0.41,-0.23,-0.55
1K95,ASP_196,2.92,-1.57,-0.07,0.77
3EVN,LYS_137,10.43,-1.28,0.75,0.46
4H4J,GLU_53,4.68,0.16,0,0.02
2F8H,ASP_19,1.71,-2.05,-0.97,0.93
3IBT,ASP_151,4.05,-0.06,0,0.31
1SNT,LYS_183,10.11,-0.41,0,0.02
1TD6,ARG_159,12.05,-2.48,0.16,1.88
3GE9,HIS_63,6.46,-0.23,0,0.2
2Q13,ARG_287,13.13,-0.26,0.26,0.62
2NRK,LYS_159,10.6,-0.14,0,0.24
2X4G,ARG_279,12.45,-0.07,0,0.02
3CJW,ASP_398,3.88,0,-0.16,0.24
2AHE,LYS_203,11.24,-0.41,0.76,0.38
2GAS,LYS_82,10.54,-0.15,0,0.19
3BPP,TYR_126,10.22,0,0.22
3C38,CYS_264,10.9,-0.67,-0.03,2.61
1P1L,GLU_43,4.69,0.19,0,0
2CWC,HIS_144,6.55,-0.48,0.27,0.25
1LTU,CYS_60,12.23,-0.86,0.81,3.28
2XHC,ARG_228,12.59,-0.25,0,0.35
2I88,TYR_363,11.51,-0.25,0,1.76
2H2Z,LYS_90,10.57,-0.16,0,0.23
3E5T,TYR_22,10.41,0,0,0.41
3ILC,GLU_98,4.4,2.23,-1.6,-0.73
3K8J,GLU_129,4.91,0.24,0,0.17
1EDG,ASP_97,3.75,0,-0.28,0.23
2DVK,LYS_63,10.09,-0.18,0,-0.23
3GFP,ASP_416,2.66,-1.78,-0.31,0.95
3M7G,GLU_175,4.74,0.29,0,-0.06
1J85,LYS_119,10.02,-0.54,0,0.06
1PV5,CYS_134,9.87,-0.05,0.55,0.36
1E9N,HIS_66,6.49,-0.26,0,0.25
3RLN,LYS_578,11.18,-0.56,0.25,0.98
1X1E,HIS_72,5.15,-1.32,0,-0.04
3M70,TYR_92,10.65,-0.02,-0.04,0.71
1EDG,LYS_331,9.75,-0.66,0,-0.09
3CBN,GLU_160,4.59,0.25,0,-0.16

2OPJ,ARG_145,12.25,-0.39,0,0.14
2R05,LYS_208,11.34,-0.27,0.73,0.37
3HVW,ARG_277,13.43,-0.36,0.83,0.45
2FC3,GLU_61,4.65,0.2,0,-0.06
3RLN,GLU_706,3.85,0.7,-0.59,-0.75
3JZ9,LYS_484,10.39,-0.15,0,0.04
1U7U,TYR_280,10.19,0,-0.02,0.21
4FZR,LYS_108,10.31,-0.11,0,-0.07
1LZL,ASP_8,3.62,-0.64,-0.05,0.5
4ANN,ARG_125,12.44,-0.13,0,0.07
2W2S,CYS_170,9.93,-1.09,0.02,2
1O17,GLU_201,3.97,0.34,-0.48,-0.39
3I4T,GLU_169,4.51,0.01,0,0
1XAW,ARG_434,12.38,-0.14,0,0.02
3H13,GLU_301,4.08,0.4,-0.77,-0.05
3LJI,ARG_37,12.3,-0.37,0,0.17
2B0J,LYS_31,12.39,-0.23,0,-0.12
1FHL,GLU_147,4.93,0.43,0,0
1NAF,LYS_210,10.67,-0.38,0,0.56
1MD6,HIS_21,6.23,-0.29,0,0.02
2Z84,ARG_117,12.32,-0.17,0,-0.08
1EDG,LYS_213,10.48,-0.17,0,0.14
2AXO,TYR_104,14.0,0.06,0.3,94
2APL,GLU_87,4.69,0.17,0,0.02
2NMU,ASP_134,4.11,0,0.04,0.26
1JKS,GLU_235,4.67,0.19,0,-0.01
2FBQ,GLU_15,5.15,2.35,-0.97,-0.74
2P5D,ASP_14,3.12,-0.52,-0.43,0.26
1JKS,ARG_31,12.39,-0.23,0,0.12
1J7G,GLU_72,4.37,0.74,-0.84,-0.03
2V5B,ARG_135,13.03,-1.27,0.6,1.2
1R16,GLU_25,4.05,0.2,0,-0.64
1YG2,LYS_124,10.56,-0.18,0,0.24
3F7M,HIS_333,3,-3.36,0,-0.14
1TLV,TYR_236,10.15,0,0.09,0.06
3B21,GLU_124,4.85,0.26,0,0.09
1ES9,ASP_182,2.2,-1.73,-0.26,0.4
1ZBS,GLU_19,4.22,0.17,0,-0.45
3ZSL,ARG_129,13.65,-0.2,0.93,0.42
3IRA,GLU_72,4.59,0.23,0,-0.13
2Q98,GLU_121,4.24,0.31,-0.14,-0.43
1BN6,LYS_135,10.56,-0.45,0,0.51
3JRT,GLU_154,4.93,0.18,0,0.25
2IRM,ASP_37,3.66,-0.43,-0.03,0.32
4FLE,GLU_53,4.68,0.31,0,-0.13
3K8J,ARG_154,12.4,-0.19,0,0.09
1XEU,LYS_224,10.7,-0.09,0,0.29
3RUX,LYS_289,10.75,-0.32,0.08,0.5
3KT9,LYS_38,10.05,-0.1,0,-0.35
1R3D,LYS_207,10.46,-0.04,0,0
3GT0,CYS_134,10.1,-0.13,0.16,1.06
3EX9,TYR_115,10.31,0,0.06,0.25
1ZYL,GLU_254,4.59,0.5,0,-0.4
1Y2Q,ASP_29,3.96,0,0.02,0.14
2O8I,CYS_45,11.68,-0.02,0.32,2.38
2NMU,HIS_100,4.84,-0.73,0,-0.93
2V5B,GLU_245,4.77,0.3,0,-0.03
2CN1,LYS_175,10.08,-0.5,0,0.08
3E7L,LYS_296,10.69,-0.12,0,0.31
3KV0,HIS_146,5.64,-0.45,0,-0.41
1SJ8,ASP_569,3.25,-0.87,0,0.32
2QDJ,LYS_240,10.42,-0.29,0,0.21
1LPL,LYS_144,10.54,-0.12,0,0.16
1DCF,ARG_120,12.19,-0.44,0,0.13
1JB3,HIS_99,7.97,-1.05,1.7,0.82
2CIU,TYR_196,10.11,0,0,0.11
1ZYL,ARG_112,12.37,-0.3,0,0.17
2EYI,ARG_34,13.29,-0.51,0.73,0.58
3OIF,LYS_30,10.36,-0.14,0,0

1WPA,LYS_455,10.44,-0.16,0,0.09
1YH,TYR_3,12.01,0.85,0.38,0.78
3T8R,TYR_41,10.76,0,0,1.065
1JT9,LYS_130,10.44,-0.28,0,0.22
1RHS,ASP_102,3.79,0,-0.34,0.35
2W2S,GLU_141,4.73,0.77,-0.54,0
2YLF,GLU_43,4.78,0.26,0,0.02
1YR6,GLU_212,4.49,0.2,-0.22,0
3BQW,ASP_21,2.66,-1.12,-0.4,0.37
4AF2,LYS_128,10.34,-0.23,0,0.07
2W0G,ASP_229,3.21,-0.78,-0.18,0.38
2AD1,LYS_17,10.31,-0.25,0,0.06
1ZP2,CYS_189,10.69,-0.78,0.3,2.17
1LZL,LYS_66,10.69,-0.36,0,0.55
2BT8,TYR_191,10.33,0,0,0.33
1U53,LYS_44,10.38,-0.27,0,0.14
3IPZ,LYS_108,10.32,-0.33,0,0.15
1NAR,HIS_219,6.41,-0.28,0,0.19
3CCY,TYR_29,11.9,0.031,1.59
2D7J,GLU_26,4.28,0.23,-0.01,-0.44
4D8L,LYS_96,9.98,-0.23,0,-0.29
2GYZ,ARG_28,12.03,-0.32,0,-0.15
2RGY,HIS_153,6.45,-1.91,0.36,1.5
1UOH,GLU_20,4.47,0.23,0,-0.26
2EA9,TYR_102,9.79,-0.03,-0.43,0.25
3UAH,ASP_189,3.13,-1.38,-0.25,0.96
1L2F,ARG_257,13.79,-0.5,0.96,0.84
3BA1,GLU_60,3.83,0.24,-0.72,-0.19
3B7X,ASP_89,3.95,-0.22,0,0.37
4E6S,GLU_6,3.91,0.32,-0.72,-0.19
1V6T,ASP_136,3.6,-0.79,-0.12,0.71
2D2S,LYS_621,10.74,-0.28,0,0.51
2B0J,GLU_31,4.81,0.53,0,-0.22
3EVP,GLU_135,6.63,3.02,-0.85,-0.05
3GG6,ARG_123,12.53,-0.22,0,0.24
3LMF,ARG_68,12.31,-0.19,0,0.0
2CVB,LYS_144,10.61,-0.09,0,0.2
2Q98,ASP_79,3.55,-0.46,-0.14,0.35
2OSA,GLU_293,4,1.38,-0.85,-1.03
3ASA,HIS_260,7.61,-0.23,0.85,0.49
3E7P,ARG_219,12.42,-0.08,0,0
3PP8,ARG_281,12.5,-0.27,0,0.26
1WXQ,HIS_187,6.28,-0.25,0,0.03
2QDJ,ARG_272,12.13,-0.4,0,0.03
1L3K,LYS_8,10.29,-0.1,0,-0.11
1HF8,CYS_27,9.3,-0.04,-0.28,0.63
2FL4,TYR_122,12.47,0.0,0.65,1.82
1H09,HIS_60,2.76,-3.6,0.02,-0.16
1TLV,HIS_256,7.05,-0.83,0.85,0.54
1R53,ARG_345,11.99,-0.56,0,0.06
2AH5,GLU_94,5.01,0.29,0,0.22
1P4X,ASP_221,3.34,-0.94,-0.04,0.53
2JEO,ASP_179,3.64,-0.47,0,0.31
3T8R,ASP_116,3.2,-0.74,-0.38,0.53
3FHF,ASP_17,4.02,0.0,0.01,0.21
3PP8,GLU_20,4.8,0.31,0,-0.01
3RLE,GLU_145,4.66,0.13,0,0.02
1BN6,ARG_210,11.52,-1.11,0,0.12
2X4J,LYS_126,9.54,-1.09,0,0.14
3UV9,LYS_371,10.52,-0.08,0,0.11
3BB7,ASP_206,3.92,-0.68,-0.18,0.98
3ETV,GLU_334,4.55,0.28,0,-0.23
3COU,GLU_80,7.12,3.81,-1.55,0.36
3ANJ,TYR_321,11.73,0.15,0.4,1.17
1X1E,LYS_84,11.4,-0.27,0.71,0.45
1HF8,GLU_279,5.17,0.56,0,0.11
3HYQ,TYR_178,12.78,0.14,0.34,2.31
4DEZ,ARG_68,12.38,-0.12,0,0
1ZCE,GLU_129,4.52,1.09,-1.06,-0.01
1YM5,HIS_283,6.01,-0.87,0.09,0.3
3N2T,ARG_107,11.84,-1.81,0,1.15
2CVB,HIS_94,5.86,-0.96,0,0.31
1O3X,LYS_250,10.6,-0.12,0,0.22
1RAJ,HIS_389,5.59,-2.56,0.85,0.8
4D8L,ARG_166,12.14,-0.57,0,0.21
1AK1,TYR_285,11.91,0.65,0.44,0.82
3CO1,TYR_6,11.63,0.81,0.38,0.44
1OTM,ASP_50,2.78,-2.39,-0.15,1.52
2Q98,TYR_44,10.83,-0.06,-0.04,0.93
2O0K,LYS_223,10.44,-0.06,0,0
2O8P,GLU_52,4.14,2.26,-2.28,-0.35
3LJI,ARG_48,10.76,-2.43,0,0.69
2C13,GLU_43,5.27,0.6,0,0.17
3LJN,CYS_117,11.44,-0.08,0.63,1.89
1NJ4,ASP_175,2.94,-1.65,-0.69,1.48
2F19,LYS_33,5.18,-0.87,0.13,-0.59
1L2F,ARG_306,12.75,-0.3,0,0.55
1J85,LYS_58,10.62,-0.33,0,0.45
2B0J,ASP_143,3.7,-0.32,-0.64,0.85
1T3Y,LYS_102,11.2,-0.59,0.85,0.44
2H2W,LYS_96,10.49,-0.01,0,0
2ZCX,GLU_26,4.9,0.18,0,0.21
3MIX,TYR_603,10.36,0,0.19,0.16
4EKU,TYR_162,11.84,0,-0.76,2.61
1ZBM,ASP_162,4.27,0,0,0.47
1P2F,LYS_12,10.46,-0.06,0,0.03
3R2E,GLU_7,4.93,0.2,0,0.23
1XEU,GLU_73,2.24,0.62,-2.5,-0.38
1Q46,ASP_39,4.39,0,-0.53,1.11
2XWS,LYS_38,10.52,-1.67,0.85,0.84
1XTD,HIS_64,6.31,-0.19,0,0
3NBI,TYR_100,10.22,-0.07,-0.06,0.36
3IV4,GLU_12,3.19,0.61,-1.51,-0.41
3LOD,ASP_81,2.66,-1.43,-0.31,0.61
3P28,HIS_190,5.98,-0.36,0,-0.14
2GZQ,ARG_191,12.31,-0.29,0,0.1
3ASA,TYR_191,10.93,0,0.04,0.89
1NIJ,LYS_292,10.52,-0.09,0,0.11
1W24,HIS_10,3.67,-2.22,0,-0.62
2G2D,LYS_160,10,-0.38,0,-0.12
1IDK,TYR_96,10.68,0.01,0.67
4H89,HIS_85,6.04,-0.32,0,-0.14
1QYI,ARG_215,12.55,-0.47,0.07,0.45
1FKM,ASP_272,3.98,0,-0.18,0.36
1YM5,LYS_259,10.42,-0.08,0,0
4ETX,GLU_248,3.77,0.4,-0.7,-0.44
3ETV,ARG_56,12.35,-0.26,0,0.11
3UC9,HIS_18,6.01,-1.2,0,0.71
3RE9,GLU_93,4.45,0.21,0,-0.27
3M3P,HIS_120,6.13,-0.35,0,-0.02
2CYG,LYS_332,11.36,-0.37,0.85,0.38
3MTT,ARG_511,12.54,-0.3,0.11,0.22
2A4D,LYS_100,10.43,-0.07,0,0
1ZBP,ARG_190,11.52,-1.05,0,0.06
1DZF,GLU_194,4.27,2.37,-1.48,-1.13
1T3J,GLU_725,4.07,0.27,-0.71,0
3MIX,GLU_483,3.88,1.09,-0.85,-0.86
1O0X,ARG_124,12.35,-0.48,0.0,0.34
3UV9,GLU_292,4.55,0.05,0,0
3LJC,HIS_46,6.65,-0.19,0.42,-0.08
2BDV,ARG_192,13.04,-0.5,0.6,0.44
1JXS,ARG_197,12.52,-0.63,0.18,0.47
3ILC,TYR_120,12.47,0.075,1.72
3GMS,HIS_236,5.87,-1.19,0.74,-0.18
3V4G,GLU_84,4.11,0.63,-0.93,-0.09
2JKF,LYS_56,10.28,-0.38,0,0.16
1O59,ARG_317,13.32,-0.28,0.48,0.61
3PAC,ARG_125,12.43,-1.5,0.61,0.81
1HF8,TYR_138,12.28,0.85,0.55,0.89
3CRM,ASP_27,3.27,-0.85,-0.16,0.49
2QZQ,GLU_130,5.65,0.77,0,0.37
2BV9,CYS_158,13.26,-0.07,1.26,3.08
1PDB,ASP_110,2.4,-1.87,-0.21,0.69
1BN6,LYS_128,9.99,-0.42,0,-0.09
3EVZ,ARG_121,13.83,-0.31,1.12,0.52
2F9F,ASP_99,4.1,0.06,0,0.25
3BQW,ARG_73,13.51,-0.66,0.79,0.88
3UV9,ARG_298,12.38,-0.12,0,0
1PDB,GLU_161,4.73,0.23,0,0
3I4T,TYR_265,10.17,0,0.06,0.11
1FO9,GLU_135,4.6,0,1,0,0
2F24,ARG_50,12.42,-0.27,0,0.18
2C13,TYR_241,12.34,-0.03,0.56,1.81
2OEW,HIS_259,5.17,-2.17,0.68,0.16
1OXZ,ASP_171,2.92,-0.76,-0.49,0.37
2B61,ASP_222,3.58,-0.5,0.01,0.26
1YM5,GLU_39,4.31,0.22,-0.4,0
1PDB,GLU_78,4.16,0.23,-0.24,-0.33
3RLE,LYS_56,11.78,-0.32,0.85,0.74
2Q98,LYS_78,10.58,-0.39,0.04,0.43
2XMX,LYS_77,10.6,-0.23,0,0.33
1SUU,LYS_633,10.55,-0.15,0,0.2
2GAU,CYS_127,9.52,-0.08,-0.03,0.62
2QVT,LYS_58,10.13,-0.37,0,0
1JYH,LYS_45,10.41,-0.27,0,0.19
2OJQ,TYR_485,12.35,-0.28,0.42,2.2
3JRT,CYS_106,10.26,0,-0.03,1.29
4EKU,HIS_365,6.07,-0.49,0,0.06
2NYC,TYR_236,11.61,0.0,15,1.45
3OOP,LYS_17,10.35,-0.15,0,0
3CX2,LYS_195,10.32,-0.14,0,-0.04
1OGL,CYS_115,9.66,-0.25,-0.52,1.42
1ZBPLYS_179,10.91,-0.33,0,0.74
1NIJ,TYR_31,10.01,0,-0.17,0.18
2RFA,CYS_70,9.85,-0.13,0.06,0.92
4DNU,HIS_102,4.66,-1.83,0.04,-0.05
4F85,CYS_114,12.83,-0.77,1.28,3.33
3ILC,LYS_124,3.92,0.41,-0.85,-0.14
3C51,LYS_19,10.4,-0.11,0,0.02
3BPP,ARG_187,12.79,-0.2,0.01,0.48
1GQE,ASP_238,3.99,0,-0.17,0.37
3RKV,GLU_237,4.57,0.33,0,-0.26
3ZRI,LYS_18,10.47,-0.22,0,0.19
4FZN,ARG_97,13.57,-0.61,0.83,0.85
3BQW,ASP_106,3.12,-0.97,-0.05,0.34
1WYC,GLU_237,4.85,0.41,0,-0.07
4EKU,GLU_138,4.91,0.3,0,0.1
3LQE,GLU_427,4.07,2.66,-2.5,-0.59
2V4X,GLU_4,3.71,0.23,-0.75,-0.27
1S17,CYS_152,10.01,-0.1,-0.02,1.13
3T57,ARG_291,12.03,-0.52,0,0.04
3EVN,ASP_65,2.41,-1.74,-0.36,0.7
2FB6,LYS_49,10.42,-0.19,0,0.1
3QAV,LYS_29,10.24,-0.2,0,-0.05
2R51,GLU_85,4.03,0.43,-0.55,-0.35
2OKT,TYR_300,10.13,-0.85,-0.05,1.03
3FFM,GLU_67,4.66,0.09,0,0.07
2A1V,GLU_135,4.56,0.08,0,-0.02
3E7P,ARG_85,11.97,-0.56,0,0.03
3BQW,TYR_115,10.63,-0.13,0.25,0.52
2P65,ARG_154,10.64,-1.52,0,-0.34
3ZXY,ARG_273,12.12,-0.38,0,0
2VAN,LYS_167,10.36,-0.15,0,0
2A1V,ARG_109,12.72,-0.81,0.66,0.37
1EYH,ASP_115,4.25,0.26,0.18
3JZ9,LYS_447,9.83,-0.7,0,0.03
2GQV,HIS_62,6.31,-0.19,0,0
2EJB,ASP_163,4.02,0,-0.08,0.3
3M7D,ARG_249,13.8,-0.54,1.4,0.43
1PV5,GLU_170,4.62,0.12,0,0
1XTD,HIS_88,6.28,-0.32,0,0.11
2HRZ,ARG_285,13.5,-0.31,0.68,0.63
3H9W,GLU_117,5.02,0.27,0,0.25
1W7B,LYS_176,10.73,-0.88,0.85,0.26
1UAJ,GLU_203,4.47,0.2,0,-0.24
2RJD,TYR_416,11.89,0.74,0.5,0.66
2B6P,HIS_201,4.83,-1.83,0.17,-0.01
1BN6,ASP_22,3.83,0,-0.14,0.17
1R15,ARG_119,12.44,-0.35,0,0.29
1R3F,GLU_287,4.55,0.05,0,0
1X1E,ARG_164,12.45,-0.05,0,0
3Q9P,LYS_114,10.23,-0.08,0,-0.18
3ELI,ASP_23,4.49,0,-0.03,0.72
1E59,LYS_15,10.59,-0.75,-0.09,0.18
1PDB,TYR_33,12.87,0,0.12,2.75
3P51,ASP_104,4.2,0,0.03,0.36
3ILC,ASP_189,4.05,0,0,0.25
1PGV,GLU_341,3.98,1.15,-1.64,-0.03
2B02,ARG_366,12.3,-0.57,0.01,0.36
1SQH,GLU_221,4.53,0.4,0,-0.37
1IAP,HIS_58,3.58,-2.37,0,-0.56
3DZ1,ARG_90,12,-0.27,0,-0.24
4FZR,HIS_295,2.63,-2.77,0,-1.1
1JKS,GLU_107,4.29,0.28,-0.17,-0.31
3E5T,GLU_7,4.71,0.25,0,-0.04
3LD1,ASP_120,3.59,-0.75,-0.53,1.06
1HF8,LYS_227,10.35,-0.15,0,0
2F4Q,TYR_79,11.27,0,-0.7,1.98
3O7K,GLU_147,2.78,1.19,-1.61,-1.3
1NAR,ARG_239,13.47,-0.58,1.13,0.42
2Q12,LYS_119,10.57,-0.39,0,0.45
1EYH,ASP_120,3.59,-0.75,-0.53,1.06
3JRT,ARG_38,12.78,-0.26,0.36,0.18
2FL7,ARG_43,13.87,-0.47,1.46,0.38
1NAF,GLU_209,3.97,0.2,-0.7,-0.03
1X6J,GLU_31,3.57,0.61,-0.9,-0.65
1O9G,ASP_12,2.95,-1.11,0.02,0.24
3LQE,ARG_373,12.24,-0.29,0,0.03
1LTU,ARG_69,12.48,-0.2,0,0.18
3O7K,GLU_144,4.23,2.8,-2.06,-0.99
3EIZ,HIS_163,5.54,-1.03,0,0.07
3COU,GLU_160,4.53,0.17,0,-0.14
1SFE,ASP_59,2.97,-1.06,0,0.23
2B78,ASP_228,2.78,-1.14,-0.82,0.95
1NFN,HIS_140,5.67,-0.45,0,-0.38
1NRI,ARG_81,11.99,-0.51,0,0
1LFP,LYS_155,11.29,-0.5,0.69,0.6
2G5X,ASP_9,3.09,-0.88,-0.22,0.4
1LTU,ASP_267,3.96,0,0.016
4HDE,LYS_173,10.16,-0.52,0,0.19
3ELI,ARG_137,13.17,-0.29,0.62,0.34
2D59,ASP_12,2.25,-1.27,-0.68,0.4
1MML,ARG_253,11.52,-1.17,0,0.19
2B61,TYR_296,12.09,-1.55,0.3,64
3E7P,ARG_218,12.5,-0.32,0,0.32
1O6D,ASP_12,3.88,0,-0.17,0.25
3NJM,ARG_122,12.33,-0.2,0,0.03
3U0V,GLU_217,7.27,3.4,-0.7,0.06
2E3S,ARG_487,12.16,-0.6,0.0,25
1J85,LYS_70,2.96,1.14,-1.43,-1.25
2R0S,TYR_165,10.85,0,-0.04,0.9
3BQW,TYR_295,12.65,0.0,2.65
2DVK,ARG_112,13.05,-0.36,0.37,0.54
1SUU,ARG_685,12.35,-0.18,0,0.03
2Q07,ARG_486,12.59,-0.2,0,0.28
2Q34,GLU_182,4.36,0.21,-0.05,-0.3

1EDG,CYS_257,11.71,0.0,15,2,56
1F2V,ASP_5,3.95,0,0,0,15
1D2K,LYS_362,11.27,-0.33,0.69,0.41
3COC,ASP_331,3.29,-0.84,-0.2,0,52
2H2W,ARG_192,10.47,-2.95,0,0,92
2FD4,CYS_477,9.22,-1.78,0.05,1.94
2IRM,ASP_116,3.83,0,-0.29,0,32
3I82,LYS_198,10.36,-0.46,0,0,32
1OTM,LYS_45,10.37,-0.13,0,0
3ETV,ARG_100,11.17,-2.83,0.57,0.93
1TD6,LYS_58,10.44,-0.2,0,0,15
1SFE,GLU_50,5.33,1.35,-0.14,-0.38
3GEC,ARG_484,12.69,-0.21,0,0,4
2EVI,LYS_198,10.57,-0.15,0,0,22
1VSM,ARG_179,12.14,-0.36,0,0
2D59,LYS_86,9.91,-0.38,0,-0.21
3EGN,ARG_464,12.45,-0.08,0,0,03
4FH3,ASP_246,4.18,0,-0.17,0,54
2O8I,GLU_142,4.42,2.11,-1.51,-0.68
4H89,ARG_24,13.2,-0.46,0.85,0,31
4ECC,LYS_194,10.35,-0.23,0,0,08
3N2T,LYS_78,10.42,-0.08,0,0
1OST,ARG_133,12.09,-1.08,0.57,0.09
3ILC,ASP_95,1.96,-2.5,-0.74,1,4
1R2Z,LYS_216,10.44,-0.06,0,0
1R53,HIS_17,6.36,-0.14,0,0
1UW7,LYS_86,10.57,-0.82,0.85,0,05
2IIA,HIS_103,7.47,-0.69,0.85,0,81
3PP8,HIS_275,7.09,-1.21,0.85,0,94
2Z61,ASP_295,2.94,-0.52,-0.66,0,33
3EJG,LYS_62,10.45,-0.08,0,0,03
1AKO,GLU_85,4.37,0.21,0,-0.35
1YR6,GLU_79,4.67,0.29,0,-0.13
1J33,HIS_323,6.12,-0.84,0.84,-0.38
1OXZ,GLU_251,4.62,0.22,0,-0.09
3FTT,ASP_51,2.22,-2.46,-0.4,1,27
2OSA,GLU_431,4.94,0.25,0,0,2
1LTU,ASP_26,2.44,-1.68,-0.45,0,76
1S1G,LYS_377,10.63,-0.14,0,0,27
2F8H,GLU_275,4.13,1.69,-1.66,-0.39
2QDJ,GLU_97,3.7,1,-1.36,-0.44
1O6D,LYS_112,11.2,-0.45,0.75,0,4
4D8L,ARG_8,12.94,-1.04,0.98,0,49
2OEW,ARG_276,13.31,-1.7,1.34,1,18
2RJD,HIS_331,6.23,-0.27,0,0
2G5X,ARG_1,12.35,-0.92,0.46,0,31
3IOO,GLU_1132,3.51,1.3,-1.58,-0.71
3L3P,ASP_291,4.43,0,-0.01,0,64
1IAP,HIS_206,6.23,-0.27,0,0
1YTD,ARG_373,12.35,-0.29,0,0,13
1YR6,HIS_178,4.81,-1.61,0,-0.09
3PZ9,ARG_38,12.2,-0.78,0,0,48
1NIJ,CYS_64,10.78,-0.75,-0.05,2,58
3OA7,LYS_433,10.43,-0.07,0,0
1BN6,GLU_158,4.62,0.11,0,0,01
1S17,ARG_47,13.95,-0.65,1.32,0,78
1WPS,ARG_90,12.52,-0.05,0,0,08
2QVT,CYS_83,8.91,-0.9,-0.27,1,08
3M70,CYS_7,9.38,-0.71,-0.14,1,23
2P0L,LYS_160,10.39,-0.2,0,0,09
4H89,GLU_12,4.66,0.24,0,-0.09
2HRZ,HIS_326,4.73,-1.93,0,0,16
1Q5Z,ASP_556,2.55,-1.46,-0.2,0,4
1MML,CYS_90,10.68,0,0,1,68
2H2W,TYR_71,11.25,-0.65,0,14,1,78
1GXN,TYR_456,12.33,0,0,21,2,12
1JSX,LYS_4,10.18,-0.32,0,0
3EUR,HIS_82,6.78,-0.55,0.52,0,31
4GA2,GLU_9,4.65,0.25,0,-0.11
2FB6,LYS_106,10.42,-0.08,0,0
3I4T,ASP_240,3.28,-0.64,-0.09,0,21
2HRZ,ASP_108,4.51,0,-0.09,0,79
1NKD,LYS_25,10.62,-0.12,0,0,23
2H30,TYR_113,12.43,0,0.24,2,18
2GYZ,CYS_69,9.29,0,-0.01,0,3
3ETU,ARG_88,11.77,-2.74,0.83,1,18
1WPA,GLU_442,4.43,0.44,0,-0.51
1LZL,GLU_117,5.47,1.74,-0.79,0,02
3CN5,TYR_177,10.28,-0.02,0,0,3
1O9G,TYR_124,10.11,0,-0.28,0,38
3TOW,GLU_181,4.04,0.48,-0.57,-0.37
4GCO,GLU_235,4.05,0.41,-0.81,-0.05
1R3D,ARG_169,11.8,-0.72,0,0,03
4ECC,GLU_22,4.2,1.91,-1.55,-0.66
4EKU,ARG_228,12.36,-0.32,0,0,18
1FKM,ARG_316,12.93,-0.89,0.57,0,75
1S17,ARG_177,12.27,-0.23,0,0
3JSN,LYS_241,10.42,-0.1,0,0,01
1R3D,TYR_232,10.79,0,0.41,0,38
4ANN,GLU_147,4.6,0.12,0,-0.02
3H9W,GLU_44,4.0,3,-0.8,0
3LPZ,ASP_69,4.69,0,-0.06,0,95
1E55,LYS_82,9.74,-0.69,0,-0.08
2X5Y,TYR_728,11.27,0,0.59,0,68
1TLV,LYS_191,10.44,-0.21,0,0,15
3TOW,HIS_197,6.08,-0.2,0,-0.23
1QYI,ARG_299,13.1,-0.18,0.24,0,53
1NAR,ASP_137,3.02,-0.85,-0.45,0,53
1QQE,ARG_115,11.53,-1.04,0,0,08
1TWU,LYS_139,10.49,-0.01,0,0
1DZF,TYR_168,9.91,-0.05,-0.38,0,34
3BPP,TYR_89,11.08,0,0.59,0,49
2R05,TYR_275,11.04,0,0.05,0,99
1EYH,GLU_142,4.64,0.15,0,-0.01
2ZCX,ASP_48,3.52,-0.6,-0.16,0,48
3OA7,LYS_542,10.39,-0.21,0,0,1
3L3P,GLU_264,4.53,0.13,-0.06,-0.04
3A7L,ASP_55,3.35,-0.84,0,0,38
2OJQ,GLU_461,3.78,1.5,-1.67,-0.55
3FWU,ASP_12,2.04,-1.55,-0.69,0,49
3A2Z,HIS_55,6.48,-1.54,1.15,0,38
1YTD,LYS_299,10.47,-0.09,0,0,06
1YM5,GLU_33,3.61,1.47,-1.37,-0.98
1R3F,ARG_202,11.35,-2.87,0.21,1,51
4FLE,GLU_106,4.58,0.08,0,0
1WXF,HIS_204,7.49,-0.34,0.85,0,47
4FH3,GLU_84,4.61,0.27,0,-0.17
2H30,TYR_140,12.33,-0.19,0.37,2,15
1WXQ,HIS_171,5.7,-0.82,0,0,02
1SQW,ASP_152,3.9,0,-0.18,0,27
1Y0K,GLU_131,4.64,0.14,0,0
3ILC,GLU_153,6.07,1.66,0,-0.08
4ETX,TYR_345,12.44,0,0.54,1,9
3F1X,HIS_251,5.61,-0.93,0.17,-0.12
1NAR,GLU_55,4.75,0.17,0,0,09
2FPN,LYS_86,10.17,-0.33,0,0
3EVP,CYS_206,9,-1.93,0.23,1,69
1E55,ARG_191,13.93,-0.45,1.46,0,41
1Q2Y,LYS_92,10.54,-0.1,0,0,14
1L2F,LYS_156,11.2,-0.42,0.7,0,42
2XJ4,ARG_84,13.48,-0.25,0.85,0,38
3A2Z,GLU_39,4.82,0.62,0,-0.3
3ZXV,HIS_160,4.99,-1.75,0.2,0,04
1SNT,LYS_263,10.37,-0.21,0,0,07
2IN0,LYS_36,10.47,-0.08,0,0,05
2CVB,TYR_131,13.38,0,0.37,3
1Q8B,GLU_57,4.64,0.14,0,0
2D7J,ARG_21,12.28,-0.26,0,0,04
3BZT,HIS_320,6.27,-0.23,0,0
3P51,ARG_71,12.11,-0.66,0,0,27
1UCH,HIS_169,6,-2.96,0.85,1,59
3LH5,LYS_529,10.49,-0.23,0,0,22
2H30,TYR_113,12.43,0,0.24,2,18
2O8I,ASP_27,2.45,-1.37,-0.38,0,41
2X4L,ASP_207,3.64,-0.65,-0.46,0,95
4FCU,GLU_172,4.58,0.08,0,0
2YT4,LYS_614,10.55,-0.07,0,0,12
3F53,ASP_223,3.8,0,-0.17,0,18
3ADO,GLU_70,4.75,0.25,0,0
2X4G,HIS_12,6.3,-0.18,0,-0.01
2A1V,GLU_127,3.95,0.27,-0.85,0,02
3CX5,GLU_16,4.07,0.29,-0.58,-0.15
3JSN,GLU_144,5.17,1.31,-0.72,0,08
2F8H,TYR_67,10.65,0,-0.08,0,73
1R5S,GLU_142,4.25,1.04,-0.78,-0.5
1O59,ARG_177,11.85,-1.98,1,0,32
1N81,GLU_145,4.66,0.16,0,0
3P29,ARG_185,12.44,-0.44,0.02,0,36
3IOO,GLU_209,4.33,0.61,-0.75,-0.03
1X7F,LYS_326,10.91,-0.23,0,0,64
1SOX,GLU_182,4.61,0.25,0,-0.14
1WYC,HIS_9,4.13,-2.35,0,-0.02
1NIJ,GLU_291,2.71,0.5,-1.43,-0.86
3G6S,CYS_237,11.45,-0.33,0.04,2,74
1MUF,GLU_228,3.54,0.54,-0.78,-0.72
3G9B,TYR_130,12.54,-0.12,0.06,2,61
2OJQ,GLU_426,4.62,0.14,0,-0.02
3FFM,ASP_55,4.13,0,0.14,0,19
2EEY,LYS_160,10.44,-0.26,0,0,19
3BJV,LYS_40,10.58,-0.14,0,0,22
3RRQ,ARG_104,12.56,-0.21,0,0,27
3JZ9,GLU_513,4.58,0.08,0,0
2R05,LYS_82,10.42,-0.08,0,0
3ON1,ARG_69,13.04,-0.34,0.42,0,46
2ZCO,TYR_77,9.22,-0.78,-0.38,0,38
2CBE,HIS_10,6.22,-0.18,0,-0.11
3H6Q,GLU_87,4.59,0.2,0,-0.1
3E7P,LYS_186,10.55,-0.1,0,0,15
4EKU,TYR_155,13.71,0.06,-0.35,4
2PIM,ASP_78,2.29,-1.05,-0.77,0,32
2DG7,GLU_35,4.88,0.26,0,0,13
1WPS,LYS_36,11.41,-0.26,0.58,0,58
2E3S,ARG_471,12.4,-0.1,0,0
1214,TYR_87,10.31,0.04,0,0,27
1DUPLYS_16,10.45,-0.05,0,0
2JHY,LYS_99,10.44,-0.06,0,0
1O3X,GLU_251,4.46,0.22,0,-0.25
3EVZ,GLU_180,3.54,0.67,-1.5,-0.12
1L3K,GLU_11,4.36,0.21,0,-0.34
1Q4Z,LYS_74,10.26,-0.26,0,0,01
2Q99,HIS_115,6.12,-0.19,0,-0.19
1XDZ,GLU_238,4.92,0.35,0,0,07
4DBX,ARG_125,13.05,-0.31,0.43,0,44
4F8A,ASP_668,3,-0.85,-0.51,0,57
3KEY,CYS_420,9.25,-0.46,-0.01,0,72
1Q2Y,TYR_48,12.24,0.85,0.47,0,93
2OYV,TYR_35,10.59,0,0,0,59
1R3F,ARG_302,12.39,-0.36,0,0,25
2D2S,ARG_549,12.62,-0.3,0.07,0,36
1ILW,LYS_100,10.13,-0.66,0,0,29
1TWU,TYR_47,10.22,0,0,0,22
3SOA,LYS_69,10.26,-0.26,0,0,02
1W7B,TYR_188,10.12,0,-0.09,0,21
4D8L,HIS_31,0.74,-3.19,0.32,-2,9
3VJ8,ARG_149,11.86,-0.71,0,0,09
3F6F,TYR_147,10.57,0.02,1,0,36
1SJY,HIS_8,6.27,-0.21,0,-0.02
3T5B,GLU_263,4.84,0.68,-0.38,0,04
1Y0K,ARG_194,12.33,-0.31,0,0,14
2R51,LYS_67,10.65,-0.34,0,0,5
3U2A,GLU_31,3.52,0.41,-0.83,-0.54
2VAN,ASP_276,3.65,-0.19,-0.15,0,2
1ZBP,GLU_48,4.72,0.1,0,0,11
3GFP,ARG_380,12.94,-0.14,0.34,0,24
2O8P,LYS_216,9.99,-0.48,0,-0.03
3JSN,ASP_286,3.65,-0.91,-0.03,0,8
3UPD,GLU_54,4.72,1.84,-1.68,0,06
3TIR,HIS_51,5.65,-1.06,0,0,22
2W0G,ARG_235,12.13,-0.39,0,0,02
3CCY,TYR_134,10.03,-0.68,0.06,0,66
1XDZ,GLU_157,3.88,2.38,-2.43,-0.57
2VAN,LYS_113,10.57,-0.11,0,0,18
3PBH,HIS_199,7.64,-3.34,2.5,1,97
1ECC,ASP_390,2.28,-1.58,-0.47,0,53
2HRZ,ASP_66,2.79,-1.83,-0.37,1,18
1IAP,LYS_53,11.9,-0.94,1.7,0,64
2IQT,GLU_165,4.9,0.47,0,-0.06
3RUX,GLU_129,4.25,0.29,0,-0.55
1L3K,GLU_176,4.52,0.37,-0.09,-0.27
2XMZ,LYS_119,10.35,-0.22,0,0,08
1YM5,TYR_237,13.5,0,0.59,2,91
3L3P,TYR_480,10.12,0,0.05,0,07
2H80,HIS_79,5.79,-1.3,0.82,-0.23
1T3Y,ASP_55,3.38,-0.84,0.14,0,28
2D7U,LYS_306,10.43,-0.42,0,0,34
4ECC,GLU_129,4.49,0.35,0,-0.35
1O6D,GLU_75,3.23,0.34,-0.85,-0.76
2B78,LYS_53,10.63,-0.13,0,0,26
3GV0,LYS_110,10.94,-0.26,0.32,0,38
1O9G,ARG_241,12.14,-0.49,0,0,13
1NAR,GLU_213,4.51,1.49,-0.84,-0.65
2W0G,CYS_183,10.08,-1.18,0,1,2,15
2XHC,TYR_109,9.95,0,-0.19,0,14
3G9T,LYS_185,10.48,-0.11,0,0,09
2QRX,GLU_22,4.75,0.19,0,0,06
2G5X,ASP_43,2.29,-1.33,-0.6,0,42
3PBH,ASP_124,3.56,-0.26,-0.13,0,15
3F53,TYR_272,10.09,0,-0.14,0,22
3PBH,TYR_165,10.25,0,0,0,25
1ZBS,HIS_206,6.08,-0.7,0,0,28
1ZKZ,HIS_62,5.78,-0.51,0,-0.21
2GAU,HIS_152,6.35,-0.14,0,-0.01
2F9F,GLU_80,3.56,0.36,-1.32,0,02
2V4X,GLU_41,2.73,0.49,-1.44,-0.82
1HUF,ARG_49,13.05,-0.24,0.3,0,49
2B78,LYS_342,10.3,-0.31,0,0,11
3AU3,LYS_516,9.37,-1.15,0,0,02
1X04,GLU_49,4.11,0.16,-0.52,-0.04
1TD6,HIS_127,5.08,-2.23,0.72,0,09
2D8N,LYS_161,10.98,-0.47,0.33,0,63
1OTM,LYS_145,10.8,-0.24,0.2,0,35
1WXQ,GLU_328,4.22,0.33,-0.6,0
1TD6,GLU_196,5.07,2.23,-0.31,-1.35
2F4Q,LYS_90,10.41,-0.1,0,0,01
3BQW,GLU_212,2.93,0.66,-1.87,-0.36
3OKQ,LYS_589,10.99,-0.16,0.36,0,29
3L7N,ASP_69,2.98,-0.95,-0.51,0,64
2OJQ,ARG_380,12.4,-0.1,0,0,01
2ZCO,LYS_20,9.68,-0.47,0,-0.35
1OLR,ARG_73,12.38,-0.34,0,0,22
2B2H,GLU_376,3.85,1.88,-1.52,-1.02
1O59,LYS_159,10.98,-0.41,-0.11,0,03
3E7P,TYR_126,11.15,-0.11,0.17,1,1
2B61,LYS_39,10.34,-0.2,0,0,04
3BQW,ARG_117,13.09,-0.96,1.01,0,54
1RSS,HIS_122,6.5,-0.72,0.82,-0.1

3RFF,ASP_154,4.01,0,-0.08,0.3
3UC9,CYS_76,9.58,0,0.02,0.56
2O4D,TYR_80,10.31,-0.01,0,0.32
3AUF,ARG_75,12.48,-0.39,0,0.37
2BOJ,GLU_299,4.63,0.21,0,-0.08
2NSN,CYS_59,9.04,0,-0.16,0.2
2OSA,HIS_407,6.57,-0.44,0.58,-0.07
3I4T,HIS_109,6.35,-0.38,0,0.23
3GOZ,GLU_186,4.05,0.41,-0.49,-0.37
2ZOM,LYS_39,10.3,-0.2,0,0
1PBV,GLU_85,4.52,0.28,-0.17,-0.09
1JKS,LYS_276,10.27,-0.23,0,0
3DHN,GLU_39,3.33,0.38,-1.09,-0.46
2HZZ,ASP_34,3.43,-0.45,-0.26,0.35
2HO1,TYR_108,12.97,0,0.06,2.91
1FO9,LYS_397,11.19,-0.5,0.42,0.76
2IRM,ASP_195,3.83,-0.18,-0.08,0.28
2PGE,ASP_362,3.25,-0.5,-0.38,0.32
4ACJ,GLU_708,4.69,0.87,-0.28,-0.4
3BJV,GLU_96,4.7,0.2,0,0
2BLL,CYS_629,10.95,-0.09,0.19,1.86
2F8H,ASP_302,4.18,0,-0.05,0.42
4GCO,GLU_175,4.68,0.26,0,-0.08
3NBI,LYS_109,10.21,-0.29,0,0
2FPN,ARG_42,12.09,-0.44,0,0.03
2A4D,ASP_104,2.27,-1.7,-0.23,0.39
2X4J,LYS_53,10.3,-0.97,0.18,0.59
1KCM,TYR_7,12.89,0,0.28,2.61
1RZ2,LYS_252,10.91,-0.47,0.46,0.41
3A4C,LYS_534,10.35,-0.16,0,0.01
3GV0,GLU_322,3.96,0.3,-0.73,-0.1
1OIS,LYS_198,10.67,-0.12,0,0.3
4GA2,LYS_99,11.37,-0.71,0.84,0.75
4GCO,GLU_192,4.37,0.25,-0.13,-0.26
2H2W,GLU_37,5.2,1.38,-0.43,-0.25
3AU3,LYS_570,10.32,-0.69,0,0.52
3EVN,HIS_162,6.19,-0.23,0,-0.08
1T3Y,LYS_30,11.01,-0.84,0.79,0.57
2Q12,ARG_149,12.19,-0.2,0,-0.11
3BWT,LYS_573,10.41,-0.22,0,0.12
1UAJ,ASP_150,4.39,0,-0.07,0.65
2BLL,TYR_341,13.78,0.89,0.94,1.95
2DG7,ARG_68,12.28,-0.22,0,0
1SJB,CYS_732,10.31,-1.95,0.4,2.85
3CZC,ASP_33,3.47,-0.14,-0.44,0.25
1YG2,ARG_112,12.16,-0.34,0,0
2OEW,LYS_60,10.87,-0.23,0.3,0.31
3DTE,ASP_216,3.2,-0.65,-0.32,0.37
1O5J,GLU_23,4.41,0.34,0,-0.43
1X9G,GLU_93,4.87,0.31,0,0.05
1ZCE,ARG_135,13.02,-0.39,0.38,0.54
2P0L,LYS_56,10.58,-0.2,0,0.27
1YOK,ASP_135,3.47,-0.53,-0.11,0.31
3PAC,HIS_78,5.82,-0.7,0,0.02
3VHJ,LYS_45,10.13,-0.23,0,-0.13
2Q99,ASP_227,3.05,-1.49,-0.07,0.81
1WXF,LYS_274,10.29,-0.21,0,0
3RFY,ARG_259,13.47,-0.38,0.84,0.52
3UX2,CYS_66,8.39,-1.23,-0.19,0.8
2NRR,HIS_370,6.84,-0.26,0.23,0.38
4ACJ,LYS_777,10.69,-0.15,0,0.34
3GT0,CYS_34,12.27,0.59,0.68,1.99
1O3X,ARG_265,12.37,-0.13,0,0
2X5Y,LYS_760,10,-0.55,0,0.04
3OBS,HIS_115,6.42,-0.13,0,0.06
1JT9,LYS_28,10.35,-0.14,0,-0.01
4DIU,GLU_77,4.61,0.34,0,-0.23
2FM9,GLU_111,3.84,0.29,-0.67,-0.28
3V55,GLU_572,4.55,0.12,0,-0.07
3ASA,ASP_265,3.73,-0.16,-0.35,0.43
2R51,GLU_279,4.62,0.26,0,-0.14
1OXZ,ASP_272,2.63,-0.99,-0.48,0.31
3EVP,TYR_93,9.38,-0.57,-0.5,0.46
1O9G,GLU_126,4.6,0.19,0,-0.09
1RSS,LYS_63,10.8,-0.37,0.28,0.39
1T3Y,LYS_126,10.59,-0.37,0,0.46
3RFY,ARG_317,12.35,-0.15,0,0
1PZC,HIS_81,5.3,-0.87,0,-0.34
1WYC,GLU_96,4.48,1.15,-0.85,-0.33
3CIV,ASP_207,3.43,-0.39,-0.36,0.37
1AK1,LYS_190,10.43,-0.33,0,0.26
2CE6,GLU_99,4.5,0,0,0
3TMO,ARG_294,11.91,-0.81,0,0.21
1H09,LYS_3,11.35,-0.55,0.28,1.11
2H14,ARG_196,12.37,-0.8,0.02,0.65
2H14,TYR_131,10.3,0.01,0,1.19
3ETU,LYS_304,9.46,-1.06,0,0.02
3LH5,TYR_527,12.18,0.62,0.25,1.31
3HNX,ARG_17,12.53,-0.22,0,0.25
3PAC,HIS_174,6.41,-0.2,0,0.11
2INO,ARG_405,13.22,-0.35,0.75,0.33
2Q07,TYR_408,12.19,0.0,4.1,7.9
1OIS,LYS_215,10.18,-0.4,0,0.08
1LN4,ARG_91,13.39,-0.31,0.63,0.58
1PDB,GLU_30,7.46,3.55,-0.7,0.11
3CN5,LYS_142,10.41,-0.09,0,0
2Q12,TYR_168,10.29,0,1,0.2
1S7K,GLU_88,3.33,0.38,-1.45,-0.09
3GEC,CYS_242,12.42,-0.45,0.09,3.77
2RH3,LYS_184,10.53,-0.29,0,0.32
3DSH,LYS_356,10.44,-0.34,0,0.28
3RFY,LYS_133,10.5,-0.08,0,0.08
3BQW,LYS_177,10.55,-0.23,0,0.28
3C6B,ASP_275,3.68,-0.38,-0.08,0.35
4E8B,GLU_93,4.17,1.42,-1.4,-0.34
1WNH,HIS_185,6.89,-0.51,0.84,0.06
2P52,GLU_284,4.57,0.2,0,-0.13
3IOC,ASP_103,3.99,0,-0.06,0.25
3ON1,LYS_50,10.83,-0.3,0.42,0.21
1TP6,ARG_116,13.96,-0.31,1.11,0.65
1FO9,GLU_280,2.2,1.01,-2.18,-1.13
1KN3,TYR_64,10.87,-0.71,0.24,1.34
2FD4,HIS_476,6.37,-0.32,0,0.19
1WPS,ARG_181,12.39,-0.11,0,0
1ES9,GLU_40,4.44,0.38,0,-0.44
3FXH,GLU_74,6.38,3.31,-1.48,0.05
1SQW,LYS_155,9.91,-0.19,0,-0.4
1LZL,ASP_205,3.52,0,-0.6,0.32
2YWK,LYS_48,11.31,-0.41,1.22,0
2XMX,ASP_149,3.97,0,-0.1,0.26
1EV8,ASP_124,3.96,0,-0.03,0.2
4F85,CYS_211,12.52,0,-0.09,3.61
4FZR,GLU_134,4.12,2.03,-1.65,-0.75
1AD6,LYS_412,10.3,-0.2,0,0
4DBX,LYS_188,10.47,-0.08,0,0.05
1OIS,ASP_239,4.16,0,0.02,0.34
2OJQ,TYR_370,11.33,0,0.09,1.24
3T8R,LYS_101,10.26,-0.42,0,0.18
3C38,HIS_166,4.87,-1.54,0,-0.09
1XEU,GLU_35,4.51,0.16,0,-0.16
3MEW,ARG_255,12.97,-0.25,0.27,0.45
3EGN,ARG_411,12.38,-0.16,0,0.04
2E35,ASP_508,3.72,0,-0.29,0.21
2CWC,ASP_122,2.83,-0.79,-0.7,0.51
3ASA,ARG_302,12.66,-1.0,0.31,0.85
3M9A,TYR_65,10.51,0,0.32,0.2
2A4D,ARG_177,13.05,-0.14,0.31,0.38
3FK5,TYR_157,12.59,-0.59,-1.07,4.26
2R51,LYS_265,10.02,-0.49,0,0.01
3MEW,TYR_283,10.01,0,-0.91,0.91
1UW7,TYR_32,9.48,-0.52,-0.61,0.6
3V75,ARG_137,12.63,-0.12,0,0.26
1MML,GLU_69,3.58,0.29,-1.21,-0.01
3OOP,TYR_5,10.32,0,0.04,0.27
1OXZ,GLU_301,4.84,0.29,0,0.04
1LFP,LYS_57,9.88,-0.62,0,0
3A2Z,TYR_174,10.27,0,0.02,0.25
1ZBM,ASP_207,2.93,-0.79,-0.39,0.3
2V5B,ARG_192,11.18,-2.23,0.66,0.24
2FM9,CYS_190,11.11,-0.41,0.11,2.41
1RLO,LYS_113,10.39,-0.28,0.01,0.16
2F9F,ARG_163,12.77,-0.8,0.75,0.32
1PV5,HIS_70,6.01,-0.73,0,0.24
2OEW,GLU_44,4.83,0.25,0,0.08
2P65,ARG_165,12.53,-0.19,0,0.22
3RLN,GLU_701,4.62,0.12,0,0
3GW3,GLU_125,4.92,0.14,0,0.28
2POL,LYS_75,10.42,-0.15,0,0.06
3NZL,LYS_78,10.38,-0.12,0,0
2OJQ,GLU_650,6.09,2.22,-0.5,-0.13
3BWT,LYS_768,11.66,-0.7,0.95,0.89
4FH3,GLU_242,4.76,0.18,0,0.08
1AK1,TYR_248,11.09,0.37,0.72
2HXB,LYS_78,10.69,-0.32,0,0.52
3O48,LYS_70,10.34,-0.15,0,-0.01
2R51,TYR_178,12.04,0,0.2,0.4
3HYQ,GLU_78,3.81,0.3,-1.11,0.13
2EA9,ARG_17,12.35,-1.07,0.14,0.78
1JSX,LYS_203,9.18,-1.06,0,-0.25
3C01,ARG_59,12.43,-0.07,0,0
1ANU,LYS_104,11.22,-0.34,0.68,0.38
3GYW,HIS_72,6.09,-0.73,0,0.31
1P1L,GLU_13,4.34,0.16,-0.06,-0.26
2XWS,ASP_35,3,-0.8,-0.4,0.4
1BN6,GLU_181,3.43,0.84,-1.47,-0.43
4F85,GLU_194,2.93,2.1,-3,-0.68
4DIU,GLU_229,4.12,0.78,-1.37,0.21
1KCM,ARG_74,12.35,-0.15,0,0
2QK1,LYS_340,10.9,-0.2,0.15,0.45
2OJQ,ARG_702,12.48,-0.06,0,0.04
4AM1,GLU_142,3.61,0.24,-0.75,-0.38
3F5D,TYR_187,10.1,0,0,0.1
1ILW,LYS_176,10.36,-0.34,0,0.2
2YWJ,TYR_124,11.8,0.85,0.5,0.45
1WOJ,LYS_74,10,-0.17,0,-0.33
2HXB,TYR_156,10.27,0,0.27
3GOZ,LYS_285,10.32,-0.3,0,0.12
3P51,GLU_67,3.89,0.44,-0.76,-0.29
4ETX,ARG_168,12.55,-1.44,0.68,0.81
3KVO,TYR_139,11.33,0,0.02,1.32
4EVF,ARG_148,10.05,-2.46,0,0.01
2JEO,LYS_102,11.06,-0.2,0.45,0.31
1L3K,ARG_47,12.34,-0.39,0,0.23
2ILR,TYR_394,11.02,-0.79,0.02,1.8
1W24,TYR_46,10.26,0,-0.25,0.51
1Q46,TYR_12,10.26,0,-0.08,0.33
4EUG,HIS_8,5.97,-0.26,0,-0.27
1NFN,GLU_80,4.69,0.12,0,0.08
1V8E,HIS_168,3.3,-3.2,0,0
2V4X,TYR_11,12.81,0.85,0.7,1.27
3V75,ASP_39,2.53,-1.67,-0.06,0.45
3PZ9,TYR_81,10.56,-0.22,0.11,0.66
3IVF,ARG_118,12.21,-0.29,0,0
1R29,GLU_81,4.66,0.25,0,-0.09
4HDE,ASP_189,3.19,-1.42,-0.83,1.65
2IQT,LYS_3,10.3,-0.2,0,0
2HXB,LYS_60,11.31,-0.24,0.43,0.61
1RAJ,ASP_238,3.63,-0.59,0,0.41
3HKX,GLU_110,4.61,0.13,0,-0.02
3M70,LYS_2,10.47,-0.03,0,0
1S1G,ASP_403,4.14,0,0,0.34
2QK0,GLU_52,4.62,0.12,0,0
1XFK,HIS_241,6.4,-0.31,0,0.21
3IOC,HIS_285,5.63,-1.21,0,0.34
2H01,ASP_162,3.21,-0.65,-0.1,0.16
2X4L,ARG_59,12.5,-1.25,0.65,0.59
2AH5,GLU_32,4.66,0.32,0,-0.16
3V46,ARG_390,12.32,-1.17,0,0.99
2OJQ,ARG_386,12.74,-0.41,0,0.65
2YLF,ARG_194,12.51,-0.08,0,0.09
1IDK,ASP_79,4.01,0,0.01,0.19
4ACJ,GLU_645,4.36,0.15,0,-0.28
3GA2,TYR_123,10.34,0,0.34
1XTD,LYS_27,10.35,-0.15,0,0
3HVM,TYR_61,10.03,0,-0.22,0.25
1O5T,GLU_436,4.58,0.27,0,-0.19
2OHT,ARG_75,10.69,-2.58,0,0.77
2AZL,GLU_146,6.07,3.32,-0.73,-1.02
3L7N,ASP_217,2.43,-1.69,0,0.33
1LTU,LYS_94,10.18,-0.21,0,-0.11
3CS1,LYS_42,11.57,-0.26,0.85,0.48
3KB5,GLU_348,4.27,1.87,-1.55,-0.55
3UX2,TYR_41,11.89,0.66,0.51,0.72
4DBX,TYR_17,9.31,-1.45,-0.08,0.84
2WZ9,GLU_81,4.37,0.12,0,-0.25
2O8P,GLU_118,4.03,0.93,-0.79,-0.6
1K95,ARG_193,12.53,-0.27,0,0.31
3ELI,HIS_43,5.78,-0.92,0.06,0.14
3G6S,GLU_261,4.99,0.26,0,0.23
2CIU,HIS_186,4.68,-1.54,0,-0.27
1AD6,HIS_549,6.56,-1.65,0.85,0.86
2O8P,GLU_118,4.03,0.93,-0.79,-0.6
3MTT,GLU_515,4.7,0.21,0,0
3HVM,LYS_45,10.32,-0.22,0,0.04
1YTQ,LYS_17,10.57,-0.21,0,0.28
3OOP,ASP_6,4.1,0,0,0.3
2C2Y,ARG_151,13.62,-0.26,0.83,0.55
3BWT,TYR_564,10.4,0,-0.1,0.49
1I60,LYS_189,11.5,-0.29,0.7,0.59
2IF4,CYS_70,11.69,0,0.02,2.67
2D0A,ARG_222,12.08,-0.32,0,-0.09
3FNI,GLU_86,4.56,0.13,0,-0.07
1YTD,LYS_13,10.6,-0.19,0,0.29
1LN4,LYS_50,10.08,-0.24,0,-0.18
3LMF,HIS_45,6.03,-0.86,0,0.38
1U7U,LYS_306,10.75,-0.11,0,0.36
1DCF,CYS_101,10.6,-0.21,-0.02,1.83
3ANJ,LYS_5,9.91,-0.8,0,0.2
3UV9,GLU_392,5.96,2.86,-1.8,0.4
2OPI,GLU_23,4.27,0.65,-0.84,-0.04
2FBI,ARG_119,12.4,-0.1,0,0
3EIZ,ARG_44,13.35,-0.24,0.65,0.45
1TP6,ARG_120,12.51,-0.33,0,0.34
1DVO,ARG_94,12.55,-0.38,0,0.44
1G8P,GLU_243,4.54,0.18,0,-0.14
3N2T,ASP_134,3.92,0,-0.09,0.21
3QKY,ARG_179,12.23,-0.29,0,0.01
1RHS,TYR_187,12.53,0.28,2.26
3ULX,LYS_167,10.41,-0.12,0,0.03
3G9B,ARG_73,12.87,-0.55,0.5,0.42
1R53,GLU_70,4.71,0.21,0,0
1SQW,ASP_157,3.44,-0.8,-0.8,0.44
2OSA,LYS_264,10.08,-0.4,0,-0.03
2G7O,LYS_99,10.44,-0.1,0,0.05
3VHJ,TYR_47,9.29,-0.85,-0.28,0.42
3FTT,HIS_142,6.28,-0.22,0,0

4FLE, TYR_44, 10.58, 0.13, 0.44
 2CWY, ARG_82, 12.35, -0.36, 0.21
 2VGM, LYS_201, 11.33, -0.32, 0.76, 0.38
 2B78, ASP_274, 4.3, 0.0, 19.0, 3
 2CN1, LYS_260, 10.43, -0.21, 0.1, 0.13
 2H8O, GLU_95, 4.56, 2.3, -1.62, -0.63
 3U2R, ARG_126, 12.52, -0.38, 0.0, 4
 1V8E, ARG_202, 13.71, -0.64, 1.43, 0.43
 3AUF, CYS_22, 11.33, -0.02, -0.04, 2.38
 1YM5, LYS_148, 11.32, -0.32, 0.76, 0.38
 1NFN, GLU_50, 5.33, 0.56, 0.0, 27
 3T5B, ARG_142, 12.41, -0.18, 0.0, 0.08
 1R7J, GLU_48, 4.47, 0.12, 0, -0.14
 2ZCO, GLU_236, 3.46, 0.51, -1.54, -0.01
 2X4G, HIS_27, 4.59, -2.49, 0.83, -0.26
 1ZBS, ARG_194, 11.66, -0.84, 0.0
 2EYI, LYS_89, 10.12, -0.29, 0, -0.1
 3CN5, LYS_186, 10.5, -0.06, 0.0, 0.06
 1TXJ, GLU_104, 4.59, 0.13, 0, -0.04
 1QZN, GLU_20, 2.38, 0.38, -2.12, -0.38
 1P1L, GLU_69, 4.56, 0.35, 0, -0.3
 2OGQ, CYS_572, 11.68, -0.03, 0.31, 2.4
 1NAR, LYS_275, 10.31, -0.23, 0.0, 0.04
 3M7D, ARG_332, 13.7, -0.43, 0.66, 0.98
 3FRR, ARG_137, 12.9, -0.58, 0.4, 0.58
 2CXA, GLU_175, 4.78, 0.34, 0, -0.07
 3IVF, ARG_328, 13.37, -0.86, 0.76, 0.97
 2OSA, ASP_320, 3.47, -1.3, -0.62, 1.59
 1RWZ, HIS_35, 5.98, -1.46, 0.85, 0.1
 3V75, ARG_87, 13.38, -1.51, 1.36, 1.03
 4GA2, LYS_34, 10.1, -0.41, 0, 0.02
 2OYZ, ASP_24, 3.8, -0.25, -0.08, 0.33
 3EZ7, LYS_48, 10.44, -0.06, 0, 0
 1Y2Q, ARG_100, 12.73, -0.37, 0.08, 0.53
 3BWT, ASP_739, 4.77, -0.06, 0.35, 0.67
 2CBE, TYR_88, 12.3, -0.22, 0.6, 1.92
 3A2Z, TYR_30, 10.6, 0.0, 0.06, 0.54
 2X4G, TYR_338, 10.88, 0.0, 0.05, 0.83
 3ULX, ASP_50, 3.61, -0.36, -0.42, 0.59
 4ETX, GLU_428, 4.93, 0.34, 0.0, 0.09
 3KT9, HIS_88, 5.84, -0.9, 0.0, 0.25
 3ANJ, LYS_232, 10.13, -0.37, 0, 0
 1MJS, CYS_337, 9.41, 0.0, 0.01, 0.4
 3Q2C, LYS_57, 10.19, -0.28, 0, -0.03
 2CBE, LYS_159, 10.26, -0.29, 0.0, 0.05
 2ZOM, LYS_4, 10.4, -0.15, 0.0, 0.05
 3EST, TYR_117, 13.08, -0.85, 0.13, 3.8
 2F4Q, LYS_91, 9.98, -0.64, 0, 0.11
 3BPP, LYS_148, 10.6, -0.17, 0, 0.27
 3AUF, ARG_168, 12.58, -0.14, 0.0, 0.22
 2E3C, GLU_410, 4.14, 0.29, -0.41, -0.24
 1R9W, LYS_289, 10.27, -0.29, 0.0, 0.06
 1MSI, ASP_183, 3.49, -0.09, -0.49, 0.27
 2H85, LYS_319, 10.98, -0.21, 0.31, 0.38
 3EX9, ARG_20, 12.32, -0.45, 0.0, 0.27
 3IVF, LYS_89, 10.22, -0.31, 0.0, 0.03
 2OEW, ASP_100, 3.97, -0.33, 0.12, 0.37
 3RRQ, LYS_78, 10.66, -0.22, 0.0, 0.37
 1XIP, TYR_279, 11.69, -0.75, -1.59, 4.03
 1OIS, LYS_332, 10.52, -0.22, 0.0, 0.24
 4EUG, GLU_215, 4.71, 0.77, 0, -0.55
 4DNU, ASP_260, 3.21, -0.68, -0.36, 0.44
 2X4J, GLU_40, 4.06, 0.33, -0.39, -0.38
 2BV9, ARG_136, 12.38, -0.46, 0.0, 0.34
 1PNE, LYS_125, 10.27, -0.24, 0.0, 0
 3DSH, GLU_384, 5.47, 1.25, 0, -0.28
 1YM5, ARG_74, 12.27, -0.23, 0, 0
 3R87, ASP_17, 2.46, -1.6, -0.23, 0.5
 3PM2, LYS_164, 10.36, -0.14, 0, 0
 2A6B, HIS_165, 5.13, -1.37, 0, 0
 2D8N, TYR_53, 12.57, -0.12, 0.11, 2.58
 3ELI, ASP_3, 4.23, 0, -0.04, 0.47
 3GW3, LYS_359, 10.34, -0.17, 0.0, 0.02
 2OEW, LYS_164, 10.53, -0.32, 0.0, 0.34
 2BV9, LYS_25, 11.51, -0.29, 0.85, 0.45
 1SUU, LYS_770, 10.64, -0.43, 0.0, 0.57
 3JV1, GLU_137, 4.62, 0.33, -0.29, 0.09
 2H14, ASP_98, 2.26, -2.11, 0.01, 0.58
 1P1L, LYS_62, 10.61, -0.33, 0.0, 0.44
 3BCH, ARG_85, 11.84, -0.37, 0, -0.29
 1UXO, ARG_129, 11.89, -1.07, 0.09, 0.36
 3GOZ, ARG_309, 12.79, -0.33, 0.0, 0.62
 1RHS, GLU_42, 4.54, 0.17, 0, -0.13
 1Q42, ARG_15, 12.24, -0.75, 0.09, 0.4
 2XMZ, LYS_224, 10.46, -0.2, 0.0, 0.16
 4FZR, TYR_192, 12.02, -0.28, 0.01, 2.29
 3K9I, LYS_133, 11.16, -0.37, 0.36, 0.66
 1AM2, HIS_56, 6.79, -0.37, 0.63, 0.03
 2GKG, LYS_68, 9.83, -0.5, 0, -0.17
 2X4L, ASP_66, 3.91, 0.0, 0.0, 1.1
 4GA2, TYR_70, 10.86, 0.0, 0.28, 0.58
 2CVB, GLU_85, 4.49, 0.1, 0, -0.11
 3BB7, HIS_287, 6.18, -1.48, 0.85, 0.29
 1QYI, LYS_196, 10.59, -0.26, 0.02, 0.33
 1OTM, ASP_178, 2.52, -1.66, 0.0, 0.38
 3JV1, HIS_89, 6.85, -0.67, 0.62, 0.4
 1ZCU, ARG_76, 12.26, -0.4, 0.0, 0.16
 3BJV, TYR_139, 4.37, 0.27, -0.39, -0.02
 1ZCU, HIS_181, 5.49, -1.11, 0.0, 0.1
 3UV9, CYS_493, 9.77, -0.14, 0.12, 0.78
 2ZCO, GLU_121, 3.75, 0.35, -0.73, -0.38
 4GCO, CYS_200, 12.63, -0.07, 0.69, 2.99
 2A1V, ARG_14, 13.47, -0.43, 0.76, 0.63
 1P1L, ARG_21, 12.44, -0.26, 0.0, 0.21
 1OTM, LYS_230, 10.44, -0.06, 0, 0
 2WB8, ASP_789, 3.59, -0.89, -0.01, 0.69
 1PGV, ARG_367, 12.38, -0.15, 0.0, 0.03
 2F4Q, GLU_308, 3.62, 0.42, -0.96, -0.34
 4ETX, ASP_258, 3.66, -0.32, 0.0, 0.19
 2EFK, GLU_250, 4.72, 0.22, 0, 0
 1TLV, TYR_126, 13.1, -0.85, 0.39, 3.56
 1WLY, CYS_91, 12.77, 0.0, 0.41, 3.36
 3NJM, GLU_21, 4.63, 0.2, 0, -0.06
 4FZN, HIS_140, 4.62, -2.66, 0.78, 0
 3ONT, ARG_25, 13.3, -0.2, 0.33, 0.67
 1AK1, GLU_172, 3.87, 0.59, -1.4, 0.18
 1LTU, ARG_219, 11.85, -1.33, 0.0, 0.67
 1XWM, GLU_157, 4.17, 0.31, -0.23, -0.41
 2YXO, GLU_223, 4.16, 0.39, -0.76, 0.04
 2Q13, GLU_80, 4.61, 0.06, 0.0, 0.04
 1S1G, LYS_414, 10.02, -0.55, 0.0, 0.08
 2X5Y, ASP_834, 2.91, -0.84, -0.36, 0.3
 1UXO, LYS_25, 10.22, -0.24, 0, -0.04
 1W24, ASP_171, 3.49, -0.12, -0.37, 0.18
 2ZTY, ASP_58, 3.53, -0.4, -0.21, 0.33
 3Q1C, GLU_135, 4.07, 0.29, -0.32, -0.39
 2R51, LYS_163, 10.98, -0.17, 0.0, 0.65
 1RWZ, ASP_168, 3.89, 0.0, 0.0, 0.9
 3T5B, CYS_42, 12.78, 0.0, 0.19, 3.59
 1DUN, LYS_92, 10.56, -0.16, 0.0, 0.22
 3DHN, ARG_167, 12.72, -0.14, 0.0, 0.37
 4AE7, CYS_113, 8.69, -0.47, -0.18, 0.34
 3HYQ, HIS_69, 6.75, -0.88, 0.75, 0.37
 3MEW, GLU_191, 3.97, 0.51, -0.85, -0.19
 1V6T, ASP_67, 1.72, -2.31, -0.38, 0.62
 1D2K, LYS_346, 10.41, -0.11, 0.0, 0.02
 3GMS, ARG_295, 12.27, -0.27, 0.0, 0.04
 2BDD, LYS_39, 10.58, -0.17, 0.0, 0.26
 1XIP, GLU_371, 5.38, 1.05, -0.41, 0.24
 2H85, LYS_155, 10.3, -0.2, 0, 0
 1VSM, ARG_114, 12.25, -0.25, 0, 0
 1P6F, ARG_80, 13.11, -0.45, 0.58, 0.49
 3UV9, HIS_423, 6.39, -0.1, 0, -0.01
 2E3I, ARG_120, 12, -0.5, 0, 0
 3DSH, GLU_368, 4.69, 0.37, 0, -0.18
 2B0A, GLU_148, 7.45, 4.18, -1.14, -0.09
 2Q13, GLU_224, 4.63, 0.13, 0, 0
 1P6F, ASP_101, 3.05, -1.14, 0.0, 0.38
 1NIJ, ASP_253, 2.93, -0.75, -0.38, 0.27
 4ECC, ARG_195, 12.4, -0.81, 0.09, 0.63
 3VHJ, ASP_118, 4.17, 0.0, 0.07, 0.29
 1TXJ, TYR_101, 9.5, -0.81, -0.64, 0.95
 2DVK, HIS_117, 5.94, -0.34, 0, -0.21
 2F4Q, ARG_14, 13.73, -0.24, 0.55, 0.91
 3FKS, GLU_81, 3.91, 0.28, -0.69, -0.18
 2R0S, LYS_312, 10.31, -0.23, 0.0, 0.05
 3A4C, HIS_551, 5.85, -0.42, 0, -0.23
 1O9G, ARG_181, 12.51, -1.31, 0.42, 0.91
 2EA9, ARG_22, 11.69, -0.83, 0.0, 0.02
 3BZT, ASP_302, 4.02, 0.0, 0.04, 0.18
 3FVU, GLU_63, 4.96, 0.53, 0, -0.07
 3CX2, ASP_151, 3.87, -0.03, 0.0, 0.1
 1FKM, ASP_325, 3.77, 0, -0.33, 0.3
 1DUN, LYS_12, 10.38, -0.51, 0.0, 0.39
 1O9G, GLU_247, 4.65, 0.11, 0.0, 0.04
 2Q99, TYR_51, 13.96, 0.3, 3.68
 2V4U, ARG_454, 12.27, -0.46, 0.0, 0.23
 2OSA, HIS_390, 5.43, -2.16, 0.86, 0.23
 1R3D, LYS_129, 10.01, -0.55, 0.0, 0.06
 1YLN, LYS_238, 10.36, -0.16, 0.0, 0.02
 3O48, ASP_54, 3.25, -0.9, 0.0, 0.34
 4F85, HIS_235, 5.61, -2.27, 0.81, 0.56
 2WB3, ASP_356, 3.86, 0.0, 0.06
 2BDV, TYR_62, 10.75, 0, -0.03, 0.78
 3RNV, TYR_343, 9.99, 0, -0.35, 0.33
 1Y2Q, GLU_63, 4.62, 0.5, 0, -0.39
 3ULX, GLU_61, 4.89, 0.28, 0.0, 1
 1ZBS, TYR_187, 10.14, 0, -0.06, 0.21
 1J74, LYS_116, 11.23, -0.62, 0.84, 0.5
 3RLE, GLU_157, 3.07, 0.54, -1.89, -0.09
 2F9F, ASP_68, 3.9, 0, -0.02, 0.12
 2APL, LYS_7, 10.84, -0.23, 0.11, 0.46
 1WP5, ARG_240, 12.44, -0.22, 0.0, 0.17
 3I47, GLU_191, 4.05, 0.32, -0.74, -0.02
 4FH3, LYS_180, 10.37, -0.19, 0.0, 0.06
 2X5Y, GLU_732, 3.54, 0.34, -0.59, -0.7
 3GA2, GLU_101, 4.2, 0.27, -0.12, -0.45
 1V43, HIS_362, 4, -1.98, 0, -0.51
 1ZYL, TYR_276, 10.74, -0.17, -1.2, 2.1
 2GRZ, LYS_273, 9.95, -0.59, 0.0, 0.04
 2ZCX, ARG_24, 12.46, -0.28, 0.0, 0.24
 3JZN, GLU_233, 4.31, 0.26, 0, -0.45
 2FC3, GLU_10, 4.55, 0.1, 0, -0.05
 1X7F, ASP_331, 2.04, -2.1, -0.71, 1.05
 2O0K, TYR_142, 12.39, 0, -0.41, 2.81
 3B7X, ASP_49, 3.74, 0, -0.19, 0.13
 3D9H, GLU_212, 4.77, 0.25, 0.0, 0.02
 2FD4, ASP_472, 3.86, 0, -0.01, 0.07
 1MSI, ASP_227, 3.42, -0.57, -0.32, 0.5
 2Z61, TYR_202, 9.84, -0.5, -0.11, 0.45
 3PZ9, LYS_166, 11.13, -0.82, 0.85, 0.61
 3RHE, ARG_47, 11.87, -0.63, 0, 0
 4H89, GLU_42, 4.13, 0.23, -0.69, 0.08
 1CHD, GLU_235, 3.8, 1.3, -0.86, -1.13
 2FBQ, LYS_176, 10.26, -0.16, 0, -0.07
 1R6Y, HIS_15, 6.65, -0.43, 0.62, -0.04
 1GQE, ARG_10, 13.91, -0.58, 1.36, 0.62
 1D2K, ARG_75, 12.69, -0.35, 0.01, 0.53
 2WB3, LYS_373, 10.5, 0.0, 0, 0
 3ZTA, LYS_136, 10.41, -0.17, 0.0, 0.08
 2FBI, ASP_86, 3.32, -0.61, -0.22, 0.35
 3BB7, LYS_119, 12.18, -0.43, 1.1, 1.1
 3I0C, LYS_139, 10.43, -0.15, 0.0, 0.09
 3LQE, ASP_388, 3.99, -0.68, 0.0, 0.86
 1O0X, HIS_154, 6.67, -0.43, 0.37, 0.23
 2YWJ, CYS_183, 11.35, 0, -0.5, 2.83
 2Q07, ARG_480, 12.64, -0.09, 0.0, 0.23
 2P1W, CYS_197, 10.78, -0.15, 0.37, 1.55
 1I60, TYR_135, 11.59, 0.85, 0.39, 0.35
 2BLL, ASP_637, 3.83, -0.27, 0.02, 0.28
 1SNT, LYS_329, 10.56, -0.13, 0.0, 0.19
 2EFK, GLU_101, 4.54, 0.27, 0, -0.23
 1FHL, HIS_159, 6.94, -0.93, 0.85, 0.52
 2RHS, GLU_263, 10.58, 0, -0.22, 1.8
 1QQL, ASP_26, 3.1, -0.49, -0.69, 0.48
 2BLL, HIS_627, 5.91, -0.76, 0.0, 0.16
 2P52, ASP_205, 2.28, -1.8, -0.17, 0.46
 2E3S, TYR_586, 11.8, 0.0, 0.52, 1.28
 1SJ8, GLU_538, 4.49, 0.28, 0, -0.29
 2GQV, ARG_31, 13.4, -0.24, 0.83, 0.31
 3R2E, GLU_113, 3.39, 0.39, -1.15, -0.36
 1O0X, ARG_130, 13.09, -0.35, 0.37, 0.58
 1HF8, ASP_153, 3.9, 0.0, 0.0, 1
 4F85, HIS_195, 3.29, -3.55, 0.16, 0.19
 1O5T, TYR_100, 11.99, -1.44, 0.06, 3.37
 2OBI, GLU_88, 3.77, 0.21, -0.9, -0.04
 4EZB, GLU_54, 4.78, 0.32, 0, -0.04
 4ETX, ASP_227, 3.78, -1, 0.0, 0.98
 2W1R, CYS_77, 12.43, -0.33, 0.24, 3.51
 1YTD, ASP_11, 2.05, -1.7, -0.55, 0.5
 2NMU, TYR_93, 10.17, 0.0, 0.08, 0.09
 3HVM, GLU_23, 13.5, 3.2, 1.6, -1.35, -0.01
 1FKM, ASP_609, 3.88, 0, -0.11, 0.19
 3MTT, ARG_478, 12.23, -0.29, 0.0, 0.02
 3LQE, ASP_385, 3.68, -0.1, -0.25, 0.24
 3LH5, LYS_753, 10.42, -0.12, 0.0, 0.03
 3G59, HIS_75, 6.19, -0.37, 0.0, 0.06
 1X7F, ARG_28, 12.55, 5.3, 2.16, -1.35, -0.03
 2PLQ, LYS_125, 10.53, -0.14, 0.0, 0.17
 3ILC, ASP_193, 4.2, 0.0, 0.14, 0.26
 2VGM, ASP_327, 3.8, 0, -0.43, 0.41
 2O8I, GLU_164, 4.78, 0.21, 0.0, 0.08
 1JB3, ARG_100, 12.26, -0.24, 0.0, 0
 1UAJ, ARG_121, 13.58, -0.23, 0.81, 0.49
 2G7O, ASP_108, 3.94, 0, -0.07, 0.2
 4DNU, ASP_156, 3.74, -0.61, 0.02, 0.53
 3PZ9, ARG_53, 13.12, -0.41, 0.71, 0.31
 2EYI, LYS_31, 10.56, -0.15, 0.0, 0.21
 2CIU, CYS_128, 10.51, -0.11, 0.2, 1.43
 2F4Q, ASP_53, 3.7, -0.55, -0.38, 0.51
 1R16, CYS_154, 11.07, -0.07, -0.43, 2.57
 3LQE, LYS_349, 10.45, -0.05, 0, 0
 4EUG, ARG_80, 12.93, -0.87, 0.77, 0.52
 1YG2, ASP_15, 3.31, -0.85, -0.02, 0.38
 4AM1, ARG_330, 10.05, -2.55, 0.0, 1
 3JV1, GLU_113, 4.57, 0.07, 0, 0
 1ZBP, GLU_132, 4.9, 0.18, 0.0, 0.22
 3VJ8, ARG_317, 12.27, -0.23, 0, 0
 1IDK, HIS_168, 6.67, -1.95, 1.03, 1.09
 1ZBS, GLU_184, 3.76, 0.22, -0.46, -0.49
 3CAX, ARG_383, 11.1, -1.55, 0.0, 0.16
 2EYI, LYS_162, 10.46, -0.04, 0, 0
 3EX9, LYS_25, 10.28, -0.26, 0.0, 0.04
 1OLR, TYR_154, 9.74, -0.22, -0.38, 0.35
 2O0K, ASP_183, 3.91, 0, -0.16, 0.26
 3M7G, ARG_241, 12.53, -0.05, 0.0, 0.08

2POY,ARG_292,12.33,-0.24,0,0.07
 2V4U,GLU_475,4.53,0.26,0,-0.23
 1T95,LYS_12,10.48,-0.05,0,0.02
 1L2H,LYS_27,10.04,-0.53,0,0.07
 2G9D,ASP_232,3.95,-0.1,-0.11,0.35
 4EZB,GLU_194,4.06,0.51,-0.85,-0.1
 1ZHV,ASP_42,3.95,0,-0.08,0.23
 1NAR,ASP_215,4.72,0,-0.01,0.92
 3HVM,HIS_20,4.01,-2.24,0.14,-0.4
 3FTT,ASP_18,3.61,-0.78,0.02,0.57
 1G8P,ARG_260,11.55,-1.31,0,0.36
 1Q2Y,LYS_7,10.54,-0.22,0,0.25
 2B78,HIS_282,5.91,-0.4,0,-0.19
 3G59,TYR_228,10.69,0,0.28,0.41
 2FZ4,GLU_26,4.22,0.37,-0.48,-0.17
 1R15,LYS_266,10.44,-0.06,0,0
 2GVZ,ARG_57,12.43,-0.07,0,0
 2I1A,ASP_40,3.58,-0.4,0,0.18
 3M70,ASP_83,3.83,0,-0.14,0.17
 1L3K,GLU_9,3.81,0.38,-0.81,-0.26
 1D2K,ASP_62,3.84,-0.36,-0.08,0.48
 1WXF,GLU_21,4.44,0.24,-0.3
 2V5B,GLU_136,4.05,0.24,-0.48,-0.2
 3LD1,GLU_320,4.09,0.23,-0.31,-0.32
 2EFK,LYS_44,10.42,-0.08,0,0
 1MTZ,GLU_54,4.63,0.29,0,-0.16
 1WXQ,HIS_326,6.16,-0.23,0,-0.11
 4FH3,ARG_359,12.45,-0.29,0,0.24
 2FL4,ARG_13,12.25,-0.39,0,0.14
 3H13,LYS_436,10.52,-0.07,0,0.08
 2VGM,GLU_360,5.19,0.3,0.14,0.25
 2XWS,HIS_16,6.6,-0.24,0.17,0.17
 2CYG,GLU_275,4.05,0.33,-0.77,0
 4ACJ,LYS_711,10.79,-0.36,0.28,0.37
 3V55,GLU_397,5.76,1.44,0,-0.2
 3LH5,ASP_699,3.96,0,-0.17,0.33
 1KCM,GLU_86,5.23,1.39,-0.23,-0.43
 1UCH,ASP_142,3.34,-0.53,-0.17,0.24
 2A0J,GLU_6,4.71,0.21,0,0
 2OKT,HIS_309,6.07,-0.22,0,-0.22
 1160,LYS_44,10.51,-0.14,0,0.15
 2XJ4,ARG_219,12.2,-0.41,0,0.1
 1UXO,CYS_74,13.2,-0.07,0.4,0.28
 2VAN,HIS_134,6.25,-0.39,0.37,-0.23
 2NRK,TYR_8,10.91,0,-0.07,0.97
 4ESS,GLU_153,4.3,0.34,-0.4,-0.14
 1V6T,TYR_75,11.49,0.53,0.47,0.49
 1D0T,ARG_37,12.29,-0.29,0,0.08
 1AT0,ASP_303,3.98,0,-0.1,0.28
 3C38,ARG_67,11.44,-1.36,0,0.3
 1SQW,GLU_176,5.02,0.08,0.44,0
 3EZ7,TYR_325,10.5,0,0.21,0.29
 2D7J,HIS_67,6.81,-0.43,0.19,0.54
 1RWZ,HIS_214,4.53,-1.42,0,-0.56
 1R2Z,GLU_211,4.48,0.19,0,-0.2
 2NRK,LYS_158,11.38,-0.28,0.64,0.52
 1K95,LYS_184,10.12,-0.46,0,0.07
 2HRZ,GLU_287,3.98,0.33,-0.52,-0.34
 1K95,ARG_154,12.31,-0.19,0,0
 2CIU,GLU_191,4.47,0.14,0,-0.18
 3NBI,TYR_170,10.42,0,0.05,0.37
 3UPD,ARG_59,12.1,-0.46,0,0.07
 2XMZ,ASP_72,2.56,-2.5,-0.43,1.69
 3CIV,ASP_193,1.96,-1.92,-0.59,0.68
 2ROS,HIS_89,6.04,-0.46,0,0
 2V4X,GLU_75,4.91,0.19,0,0.22
 1AIL,GLU_66,4.59,0.23,0,-0.14
 4EVF,CYS_137,10.76,-0.76,0.43,2.09
 2YT4,LYS_673,10.18,-0.37,0,0.05
 1CHD,HIS_256,6.08,-1.13,0.38,0.32
 2EYI,GLU_70,4.39,0.94,-0.78,-0.27
 3ZSL,HIS_223,5.07,-1.64,0.34,-0.13
 2CL3,ASP_57,3.32,-0.79,-0.79,1.09
 1O5J,GLU_60,2.8,0.49,-1.7,-0.49
 4ESS,LYS_28,11.4,-0.44,0.85,0.49
 1LFP,ARG_106,12.35,-0.44,0,0.28
 3GMS,ASP_223,4.28,-0.09,-0.11,0.68
 2FG1,TYR_50,13.19,-0.29,0.79,2.7
 3GYW,ARG_83,12.58,-0.36,0.05,0.4
 4D8L,ASP_82,3.4,-0.76,-0.16,0.51
 3M7G,LYS_47,10.47,-0.05,0,0.02
 2APL,TYR_67,11.13,0,0.06,1.07
 1O6D,ASP_94,3.12,-0.84,-0.4,0.55
 2B0J,TYR_267,10.97,0,0,0.97
 2E0T,ARG_204,12.27,-0.23,0,0
 3GW3,LYS_231,10.09,-0.41,0,0
 1X7F,GLU_201,6.05,1.51,0,0.04
 3GYW,HIS_115,6.32,-0.24,0,0.05
 3L3P,GLU_278,4.01,0.56,-0.57,-0.48
 2ILR,CYS_422,9.73,0,-0.05,0.78
 2AXO,HIS_201,4.14,-2.73,0.77,-0.4
 1T3J,CYS_681,9.36,0,0.36
 1GPP,TYR_431,10.96,0,0.56,0.4
 3RJK,GLU_252,4.14,0.32,0,-0.67
 1S7K,GLU_102,4.34,0.23,-0.25,-0.14
 2X4J,GLU_117,5.88,1.34,0,0.04
 3G9G,LYS_227,10.58,-0.3,0.38
 1UAJ,HIS_201,6.45,-0.16,0.08,0.02
 1OXZ,GLU_279,4.7,0.38,-0.01,-0.18
 2RIK,ARG_40,12.33,-0.08,0,-0.1
 1X04,ASP_126,1.92,-1.74,-0.62,0.49
 2PP6,GLU_18,4.61,0.11,0,0
 1YW5,ARG_15,13.16,-1.4,0.91,1.15
 3EVN,ASP_105,4.02,0,-0.02,0.23
 1JT9,GLU_241,4.78,0.23,0,0.06
 4EVF,HIS_264,5.89,-0.26,0,-0.35
 3AU3,HIS_408,6.83,-0.28,0.43,0.18
 1PV5,CYS_260,9.97,-0.32,0.61,0.69
 1JKS,GLU_62,3.1,0.47,-1.27,-0.6
 3N2T,ASP_295,4.01,0,-0.35,0.56
 3GEC,ARG_494,12.27,-0.53,0,0.3
 2BDV,GLU_189,4.05,0.22,-0.44,-0.22
 3LPZ,HIS_177,6.61,-0.3,0,0.41
 1R3F,ARG_220,12.44,-0.35,0.02,0.26
 2OBI,ASP_111,3.75,0,-0.16,0.11
 4EF5,GLU_336,4.29,2.23,-1.94,-0.51
 1WYC,GLU_128,4.89,0.63,0,-0.24
 1D0T,ASP_174,3.72,-0.85,-0.1,0.88
 1PBV,LYS_244,10.11,-0.4,0,0.02
 4FH3,LYS_144,11.05,-0.52,0.44,0.63
 2FM9,GLU_122,4.31,0.82,-0.72,-0.3
 1NFN,ARG_32,13.87,-0.45,1.4,0.42
 3BQW,GLU_238,3.42,0.91,-1.78,-0.21
 1JKS,GLU_81,3.09,1.27,-2.03,-0.64
 3LJN,TYR_273,11.3,-0.04,-0.21,1.55
 1X9G,TYR_60,10.1,0,0,0.1
 1UOH,TYR_15,10.12,0,-0.1,0.23
 2G9D,ARG_264,13.26,-0.93,1.12,0.58
 1NRI,ASP_23,4.13,0,0.03,0.3
 3G9T,GLU_57,4.21,1.65,-1.39,-0.55
 1S17,ASP_215,3.99,0,-0.03,0.22
 3VJ8,ARG_360,12.93,-0.38,0.25,0.56
 4AE7,TYR_129,11.56,-1.98,0.14,3.41
 3A7L,HIS_31,6.44,-0.79,0.38,0.36
 1LTU,GLU_65,4.69,0.31,0,-0.12
 3HKX,CYS_220,11.08,-0.16,0.17,2.06
 1O17,LYS_143,10.71,-0.22,0.04,0.38
 2P0Y,HIS_313,5.07,-2.27,0.83,0.01
 2EEY,LYS_21,9.6,-0.58,0,-0.33
 2YWJ,ASP_96,2.22,-1.69,-0.39,0.5
 2P52,LYS_98,10.42,-0.08,0,0
 4ETX,ARG_172,11.17,-0.72,0,-0.6
 2OPJ,ARG_118,11.59,-1.06,0,0.15
 3BWT,ASP_776,4.39,0,-0.03,0.62
 3ZRI,HIS_-2,7.07,-0.2,0.76,0
 3HVM,GLU_31,3.93,0.63,-0.85,-0.36
 1AT0,LYS_352,10.44,-0.07,0,0.01
 3GG6,ARG_111,12.63,-0.52,0.36,0.29
 2EEY,ASP_53,3.4,-0.79,0,0.39
 1PVT,GLU_166,4.66,0.21,0,-0.07
 1Q42,LYS_73,11.46,-0.27,0.85,0.38
 2QVT,ARG_116,12.06,-0.3,0,-0.13
 3L3P,GLU_481,5.08,0.32,0,0.27
 2WOZ,GLU_527,4.68,0.18,0,0
 2BV9,GLU_284,3.27,0.2,-0.78,-0.65
 4ECC,LYS_204,10.48,-0.11,0,0.09
 3O16,ASP_216,3.4,-0.68,-0.07,0.35
 3TOW,ARG_61,12.48,-0.11,0,0.09
 2POL,ARG_264,12.44,-0.23,0,0.17
 1LZL,ASP_22,3.48,-0.67,-0.11,0.46
 2X4L,ASP_109,2.78,-0.85,-0.62,0.45
 1RKA,HIS_35,6.14,-0.26,0,-0.1
 1JT9,ARG_119,12.7,-0.24,0,0.45
 3MTT,GLU_473,4.21,0.32,-0.3,-0.31
 2O0K,CYS_125,13.06,0,0.41,3.65
 1YG2,TYR_111,11.8,0,0.29,1.5
 3EVN,LYS_15,10.2,-0.25,0,-0.05
 2NRK,GLU_76,3.15,0.36,-1.19,-0.52
 2VGM,GLU_91,4.7,0.14,0,0.05
 2IRM,HIS_131,6.39,-0.11,0,0
 1Z3X,LYS_109,10.39,-0.15,0,0.04
 3M66,GLU_218,4.61,1.12,-0.66,-0.34
 3B7X,LYS_60,10.57,-0.13,0,0.2
 3RFF,GLU_146,3.49,0.31,-0.93,-0.39
 1H4U,TYR_531,10.57,0,0.14,0.43
 2FZ4,ASP_48,2.03,-1.75,-0.71,0.69
 3F6M,ARG_76,13.93,-0.78,1.26,0.95
 3AU3,CYS_661,11.5,0,0.2,5
 3IU5,LYS_77,10.28,-0.14,0,-0.07
 2FG1,TYR_75,10.35,0,0,0.35
 3UV9,ARG_320,13.69,-0.26,1.45,0
 1V43,GLU_347,4.56,0.09,0,-0.04
 1MML,GLU_233,4.73,0.26,0,-0.03
 1R2Z,ASP_188,3.6,-0.45,-0.21,0.46
 2Q13,HIS_100,5.67,-1.04,0.21,0
 2XJ4,GLU_83,3.41,0.48,-1.19,-0.38
 3K9I,GLU_142,4.56,0.06,0,0
 1OST,LYS_253,11.06,-0.66,0.7,0.52
 3MX,ASP_544,4.02,0,0,0.22
 2ZCX,ARG_211,12.03,-0.31,0,-0.17
 3ULX,ARG_138,12.76,-1.38,0.76,0.89
 3T57,GLU_282,3.91,0.27,-0.87,0.01
 1SNT,TYR_377,11.39,-0.16,0.31,1.24
 2IRM,LYS_19,10.37,-0.17,0,0.04
 3Q6L,LYS_10,10.69,-0.35,0.16,0.38
 2YLF,GLU_227,4.84,0.52,-0.27,0.09
 2OEW,TYR_39,12.16,0.54,0.81,0.81
 2D7U,GLU_30,3.91,0.28,-0.85,-0.02
 1PVT,ASP_52,3.94,0,0,0.15
 1PZC,GLU_62,3.91,0.57,-0.82,-0.34
 1L2H,ASP_86,3.31,-0.84,-0.01,0.36
 3EZH,GLU_23,4.67,0.17,0,0
 3M16,LYS_8,12.07,-0.74,1.47,0.84
 3ZTA,GLU_61,4.65,0.9,-0.57,-0.17
 3CNU,ASP_81,2.04,-2.28,0,0.52
 1SIG,ARG_281,12.78,-0.37,0.23,0.42
 4FZR,GLU_37,4.77,0.27,0,0
 1O5J,CYS_29,9.19,-0.24,-0.39,0.82
 1VJG,ARG_193,12.49,-0.12,0,0.11
 2AZL,LYS_103,10.45,-0.05,0,0
 3VJ8,TYR_220,13.06,-0.08,0.31,2.85
 1R7J,TYR_28,10.16,0,0,0.01
 3EVP,GLU_164,4.64,0.14,0,0
 3CIV,ARG_170,13.28,-1.32,1.38,0.72
 4FCU,ASP_240,1.8,-2.18,-0.46,0.64
 3IVF,ASP_341,2.32,-1.69,-0.43,0.63
 1LN4,LYS_80,11.39,-0.34,0.85,0.38
 1XKR,ARG_94,12.58,-0.19,0,0.26
 1RSS,ASP_126,2.13,-1.7,-0.87,0.9
 3BA1,LYS_267,10.36,-0.14,0,0
 2E3C,ASP_196,2.97,-0.85,-0.38,0.4
 2FPN,GLU_114,4.82,0.41,0,-0.1
 2H14,ASP_302,3.31,-1.47,0.05,0.94
 3IU5,ASP_130,3.75,0,-0.19,0.14
 3TOW,LYS_120,10.6,-0.08,0,0.18
 2O0K,ARG_84,12.43,-0.1,0,0.04
 1UAJ,LYS_238,10.37,-0.09,0,-0.04
 3ONH,TYR_469,12.3,0,0.15,2.13
 1P2F,ASP_185,3.99,-0.77,-0.44,0.81
 1QOH,GLU_177,4.58,-0.23,0,-0.16
 3BJV,LYS_109,10.41,-0.09,0,0
 3V55,TYR_434,12.77,0,0.4,2.37
 3PM2,ASP_83,3.74,0,-0.36,0.3
 2IRM,ARG_216,12.84,-1.84,1.48,0.7
 3HQX,ARG_79,13.41,-0.27,0.8,0.38
 2O8P,GLU_77,4.7,0.2,0,0
 1DCF,CYS_32,11.31,0,0.02,2.29
 3ON1,GLU_24,4.07,0.24,-0.37,-0.31
 2EYI,HIS_247,5.56,-1.76,0.79,0.04
 2BLL,GLU_552,3.41,0.83,-1.67,-0.25
 3PBH,HIS_110,3.8,-2.6,0.03,-0.13
 3A2Z,LYS_131,4.58,-3.56,0.85,0.79
 2Q12,ASP_157,3.76,0,-0.21,0.17
 3FTT,HIS_120,6.46,-0.24,0,0.2
 1J8B,GLU_90,4.57,0.34,0,-0.26
 1WRU,GLU_197,4.98,0.21,0,0.27
 2VAN,ASP_318,3.44,-0.82,0.0,0.46
 3BWT,LYS_796,10.73,-0.12,0,0.35
 1P4X,GLU_182,4.66,0.13,0,0.03
 1YW5,HIS_156,2.99,-2.97,0,-0.54
 3L0D,GLU_98,4.25,1.93,-1.39,-0.79
 2P0L,GLU_216,3.66,0.3,-0.85,-0.28
 1GVP,ARG_21,12.44,-0.06,0,0
 2OYZ,GLU_80,5.14,0.39,0.09,0.17
 1O0X,GLU_134,4.08,0.53,-0.37,-0.58
 3B7X,ASP_73,3.6,-0.87,0,0.68
 1NWA,CYS_13,11.77,-1.21,1.13,2.84
 2BAA,LYS_54,10.33,-0.34,0,0.16
 2X4G,GLU_96,4.63,0.13,0,0
 2D7U,HIS_83,6.2,-0.35,0,0.05
 1PNE,ARG_135,12.07,-0.96,0,0.53
 3LJI,HIS_178,5.18,-1.61,0,0.3
 3BWT,GLU_599,4.17,0.97,-1.27,-0.03
 1RHS,GLU_46,3.55,1.1,-1.41,-0.63
 2QHT,ARG_186,12.33,-0.25,0,0.09
 3B21,GLU_86,4.31,0.74,-0.78,-0.15
 3H04,TYR_6,10.01,-0.32,-0.03,0.35
 3NBI,TYR_85,11.14,0,0,1.14
 3IL3,GLU_199,4.58,0.08,0,0
 3IRA,GLU_8,5.49,0.83,0,0.17
 3F5D,HIS_115,5.98,-1.1,0.57,0.01
 2HRZ,LYS_41,10.13,-0.54,0,0.17
 1RSS,LYS_131,11.56,-0.33,0.85,0.53
 4E8B,GLU_90,4.68,0.1,0,0.08
 1Q2Y,LYS_13,11.49,-0.24,0.85,0.38
 1N81,LYS_121,9.56,-0.56,0,-0.38

3BZT,LYS_255,10.33,-0.39,0,0.22
4DNU,ARG_217,12.68,-0.26,0,0.44
2WB8,HIS_525,6.33,-0.2,0,0.03
1R3D,LYS_252,10.41,-0.09,0,0
1AD6,CYS_438,10.05,-0.02,0.45,0.63
3CAX,LYS_153,10.29,-0.15,0,-0.05
2Q07,ARG_399,12.67,-0.29,0,0.46
1WXF,GLU_119,3.96,0.58,-0.66,-0.46
3US6,GLU_36,4.58,0.08,0,0
3GE9,GLU_210,5.76,1.12,0,0.14
1Z9L,GLU_113,3.38,0.44,-1.22,-0.34
2GKG,LYS_94,10.28,-0.2,0,-0.02
3I82,HIS_75,7.07,-0.22,0.79,0.01
1QVI,TYR_242,10.42,0.02,0.39
2YWJ,GLU_114,4.71,0.26,0,-0.07
3OA7,TYR_572,10.13,0.09,0,0.04
1Z3X,GLU_13,4.06,0.33,-0.81,0.04
3HKX,ARG_17,12.47,-0.03,0,0
1H09,ARG_110,13.17,-0.37,0.59,0.45
3CRM,ARG_59,12.83,-0.29,0.08,0.54
2XMZ,HIS_103,7.53,-0.31,0.85,0.49
2E3S,LYS_470,10.3,-0.35,0.15
3HVV,ASP_294,4.37,0.16,0.41
1SJ8,ARG_692,13.35,-0.23,0.67,0.41
2F9F,ARG_21,12.22,-0.42,0,0.13
3M66,ASP_197,3.88,0,-0.13,0.2
2YX0,ARG_90,11.41,-1.34,0,0.24
2A6B,ASP_186,4.07,-0.83,0.07,1.02
3DTE,ARG_253,12.75,-0.2,0,0.45
1WXF,ARG_134,13.76,-0.38,0.79,0.85
1KCM,TYR_155,10.14,-0.26,-0.36,0.77
1SIG,ASP_360,3.47,-0.33,-0.44,0.44
3CXS,LYS_166,10.3,-0.22,0,0.02
1EQ6,LYS_144,10.4,-0.1,0,0
3DZ1,ARG_154,12.2,-0.45,0,0.16
3M16,ARG_124,12.64,-0.3,0.05,0.38
3M7D,ARG_76,13.86,-1.3,0.88,1.77
1EDG,ARG_358,12.64,-0.25,0.01,0.38
1SQH,GLU_105,5.09,1.55,-0.8,-0.16
4AM1,TYR_134,11.61,0.44,0.19,0.99
2FPN,GLU_178,4.76,0.12,0,0.14
3NOK,ARG_27,12.46,-0.04,0,0
1P2F,LYS_4,10.37,-0.19,0,0.06
2CXC,GLU_79,3.97,0.24,-0.57,-0.2
1YTD,ARG_24,12.41,-0.19,0,0.1
1O3X,LYS_226,10.65,-0.11,0,0.26
3GOZ,ASP_69,3.36,-0.34,-0.32,0.22
2QEV,TYR_47,10.56,0.14,0.13,0.28
3EJC,ARG_116,12.76,-0.19,0.02,0.42
4GCO,ARG_225,12.39,-0.13,0,0.02
1A8Q,ASP_137,3.22,-0.91,-0.05,0.38
1ZCU,HIS_241,5.92,-0.49,0,-0.09
3DTE,ASP_101,3.95,0,-0.05,0.2
1AK1,ASP_95,3.97,-0.68,0.17,0.69
3PBH,HIS_239,4.81,-1.71,0,0.01
2RJD,TYR_319,13.76,0.85,1.03,1.88
3ETU,LYS_214,10.27,-0.41,0,0.18
1YTD,ARG_98,13.41,-0.3,0.66,0.55
1V43,ASP_359,3.34,-0.37,-0.54,0.45
1XTZ,ARG_219,12.85,-0.26,0,0.61
3O16,GLU_24,4.8,0.24,0,0.06
1W7B,LYS_49,10.48,-0.02,0,0
1T6L,LYS_237,10.28,-0.21,0,-0.02
3HVV,LYS_282,9.99,-0.56,0,0.06
3EX9,ARG_67,12.66,-0.47,0.32,0.3
2EJX,ARG_128,12.35,-0.2,0,0.05
1PGV,TYR_378,9.88,-0.17,-0.1,0.15
3FK5,ASP_200,3.81,0,-0.24,0.24
1O6D,LYS_71,10.12,-0.47,0,0.08
2O8P,GLU_147,4.5,0,0,0
2FXT,LYS_278,10.22,-0.3,0,0.02
2G7O,HIS_93,6.42,-0.23,0,0.14
3SMD,TYR_100,12.63,0.57,0.75,1.32
4FCU,GLU_40,4.63,0.13,0,0
2YT4,GLU_512,4.74,1.39,-0.66,-0.49
2ZCX,GLU_85,3.44,0.33,-0.76,-0.63
1NIJ,GLU_167,4.55,0.13,0,-0.08
1DVO,GLU_158,2.7,0.46,-1.84,-0.42
2P5D,GLU_29,3.08,0.38,-1.18,-0.62
1RWZ,LYS_147,10.32,-0.18,0,0
1WXQ,LYS_197,10.28,-0.15,0,-0.08
3K9I,ARG_85,12.16,-0.46,0,0.12
3N2T,LYS_240,10.5,-0.05,0,0.05
3L7N,LYS_63,10.46,-0.04,0,0
1AM2,CYS_79,12.01,0,-0.02,3.02
2IDC,GLU_88,3.81,1.01,-1.07,-0.64
1LTU,ASP_275,3.2,-0.81,-0.17,0.37
3P2F,CYS_67,12.07,0,-0.56,3.61
2OBI,GLU_65,4.54,0.08,0,-0.04
4DVD,ASP_83,3.7,-0.21,-0.37,0.46
3M16,ARG_120,13.25,-0.37,0.75,0.38
1XIP,LYS_332,11.11,-0.4,0.5,0.51
2CBE,LYS_112,9.97,-0.49,0,-0.03
2ATR,GLU_106,4.62,0.12,0,0
3BA1,GLU_266,4.64,0.14,0,0
2O4D,ASP_116,3.72,-0.91,0.38,0.46
2AXO,TYR_178,12.67,-0.03,0.63,2.07
1ES9,GLU_56,4.85,1.7,-0.8,-0.56
1D2K,LYS_117,9.84,-0.64,0,-0.02
3ANJ,LYS_62,10.31,-0.19,0,0
3RAZ,GLU_145,3.81,0.31,-0.82,-0.18
3IU5,GLU_63,4.46,0.09,0,-0.14
3EVP,ASP_110,3.68,0,-0.37,0.25
3AUF,CYS_85,12.77,-0.27,0.19,3.85
2EHG,TYR_35,10.8,0.01,0.79
1DOV,GLU_170,4.77,0.34,-0.05,-0.02
2NRK,GLU_7,3.7,0.33,-0.74,-0.38
3H13,LYS_474,11.27,-0.32,0.6,0.5
2Q07,ARG_276,12.43,-0.07,0,0
1QQE,LYS_136,11.35,-0.66,0.59,0.92
1YR6,TYR_204,10.12,0,-0.06,0.18
1Q46,GLU_151,4.5,0.25,0,-0.25
3ULX,TYR_31,11.35,0.01,1.34
2NRR,ARG_362,13.67,-1.02,1.29,0.9
3ODJ,HIS_60,3.54,-2.45,0.07,-0.57
1G8P,LYS_265,10.35,-0.18,0,0.02
2FGG,GLU_50,4.86,0.21,0.06,0.1
1QQE,ARG_268,12.59,-0.1,0,0.19
2VGY,GLU_159,4.58,0.08,0,0
1YLN,TYR_179,11.91,0.41,1.51
2B6P,TYR_177,10.38,0,0.38
2Q13,HIS_59,6.73,-0.25,0.32,0.16
3EX9,LYS_40,10.41,-0.09,0,0
3G9T,ASP_211,3.14,-0.8,-0.19,0.34
3H9W,ASP_111,2.08,-2.28,-0.01,0.56
3V1Q,ARG_647,12.51,-0.27,0,0.29
3CAN,LYS_29,10.65,-0.23,0,0.37
2PWQ,GLU_47,3.93,0.3,-0.71,-0.16
2JEO,ARG_149,12.1,-0.84,0.01,0.42
2NYC,GLU_237,5.43,0.76,0,0.16
3JV1,LYS_153,10.56,-0.06,0,0.12
1L2F,ASP_337,3.12,-0.7,-0.58,0.6
2V4U,LYS_319,10.42,-0.11,0,0.04
3PZ9,CYS_201,12.14,-0.28,0.52,2.88
2BCF,ARG_238,12.56,-0.41,0.03,0.44
3RNV,HIS_454,7.12,-0.32,0.74,0.2
1K9S,ARG_172,12.51,-0.44,0,0.45
3TRE,TYR_74,10.71,-0.81,0.32,1.21
1MIX,HIS_255,5.31,-0.95,0,-0.24
3HVV,ASP_191,3.16,-0.58,-0.53,0.47
1YMS,GLU_211,5.52,2.55,-1.03,-0.5
3T5B,GLU_92,4.66,0.37,-0.16,-0.05
3CAN,TYR_98,12.58,0,-0.06,2.64
3U2R,ARG_93,12.01,-0.24,0,-0.25
2O0K,LYS_51,10.66,-0.13,0,0.29
3F5D,GLU_158,3.65,1.16,-1.61,-0.39
4DBX,TYR_177,13.12,-0.85,0.69,3.28
2BDD,LYS_121,10.66,-0.17,0.33,0
1LTU,TYR_210,10.46,-0.14,0.02,0.58
4ANN,HIS_54,7.2,-0.42,0.85,0.27
3OIP,LYS_198,10.49,-0.12,0,0.12
1V6T,ARG_126,12.94,-0.36,0.38,0.41
2PIM,ASP_46,3.97,0,0,0.17
2IRM,ARG_219,12.22,-0.28,0,0
1T9S,LYS_71,10.56,-0.13,0,0.19
3ANJ,TYR_82,10.34,0,-0.16,0.49
1X9G,CYS_87,10.94,-1.74,0.09,3.59
3BWT,ASP_683,4.27,-0.58,-0.16,1.2
3M16,GLU_154,4.53,3.74,-3.25,-0.46
3GS3,ASP_201,3.89,-0.79,-0.65,1.54
3U0V,GLU_108,3.65,1.76,-1.61,-1.01
2POL,LYS_268,10.35,-0.14,0,-0.02
2POY,ARG_333,12.38,-0.12,0,0
2FD5,GLU_122,4.78,0.22,0,0.05
3LD1,ARG_300,12.89,-0.28,0.31,0.36
3ZRI,HIS_5,6.62,-0.2,0.32,0
3JZN,GLU_394,3.97,0.15,-0.85,0.17
1OLR,ASP_27,3.3,-0.63,-0.24,0.36
3P51,GLU_123,4.57,0.1,0,-0.03
2FM9,LYS_77,10.68,-0.15,0,0.33
2ZOW,GLU_44,3.85,0.38,-0.73,-0.31
2RIK,ASP_266,2.78,-0.74,-0.53,0.25
2IQT,GLU_176,3.83,3.79,-0.6,-3.84
3R87,TYR_58,9.82,0,-0.34,0.15
2CXC,LYS_114,10.8,-0.23,0.17,0.36
1SJA,ASP_54,3.85,0,-0.08,0.13
2EJB,CYS_90,12.92,0,0.17,3.75
1WYC,HIS_373,5.98,-0.38,0,-0.14
2NSN,GLU_106,4.71,0.21,0,0
1ILW,TYR_103,11.33,-0.82,0.86,1.29
3TOW,LYS_115,10.36,-0.37,0,0.22
3ASA,LYS_2,10.47,-0.03,0,0
1J7G,LYS_44,10.53,-0.18,0,0.21
3K79,ASP_76,3.82,0,-0.27,0.29
2FXT,TYR_274,11.12,0,0.12
1NAF,GLU_279,4.79,0.29,0,-0.01
2R51,LYS_182,10.28,-0.48,0,0.26
2HRZ,LYS_37,10.52,-0.29,0,0.31
1NIJ,ARG_278,13.39,-0.27,0.75,0.41
3JRT,GLU_39,4.04,0.27,-0.57,-0.16
1WXX,LYS_259,10.31,-0.19,0,0
3RHE,TYR_104,11.73,0.77,0.41,0.54
2CN1,GLU_133,4.5,0.15,0,-0.15
1P2F,LYS_169,10.38,-0.21,0,0.09
1QQH,LYS_162,10.57,-0.44,0,0.51
3ASA,ARG_22,11.97,-0.95,0.1,0.33
2OGQ,TYR_421,10.03,0,-0.18,0.21
3GS3,ARG_83,12.95,-0.8,0.67,0.58
2ZQ5,ASP_9,3.65,0,-0.45,0.3
2V5B,LYS_85,10.14,-0.31,0,-0.05
2HP7,GLU_177,4.7,1.05,-0.85,0
3CX2,HIS_225,6.38,-0.6,0.27,0.21
1DVO,GLU_45,4.69,0.19,0,0
3DTE,ASP_42,3.91,0,0,0.11
2YWX,CYS_3,11.09,-0.13,-0.07,2.29
2FZ4,GLU_229,4.92,0.15,0.1,0.18
1U53,LYS_92,10.32,-0.57,0,0.39
2Z14,GLU_80,4.79,0.28,0,0.02
1EDG,LYS_94,10.56,-0.23,0,0.29
2CE6,LYS_17,10.1,-0.36,0,-0.04
1RKA,ARG_74,11.98,-0.68,0,0.16
2V4U,LYS_39,10.39,-0.14,0,0.04
2GZQ,GLU_141,3.28,0.43,-1.06,-0.59
2F8H,GLU_13,4.83,0.28,0,0.05
3COU,ASP_63,3.53,-0.74,-0.02,0.48
3G9G,LYS_131,11.37,-0.26,0.5,0.63
1XTZ,HIS_261,6.17,-0.26,0.02,-0.08
1GPP,ASP_116,1.95,-1.76,-0.63,0.55
2EFK,GLU_108,4.6,0.25,0,-0.16
3CGW,GLU_79,4.38,0.19,-0.31,0
2POL,LYS_243,10.27,-0.23,0,0
4ECC,LYS_9,10.87,-0.28,0.21,0.44
3V46,LYS_385,10.26,-0.26,0,0.1
1GPP,ASP_116,1.95,-1.76,-0.63,0.55
1YTD,TYR_72,10.59,-0.3,-0.15,1.04
2E3S,LYS_581,10.54,-0.17,0,0.22
3ILC,GLU_184,4.6,0.1,0,0
2RIS,GLU_45,3.77,0.28,-0.95,-0.07
1JT9,GLU_259,3.32,1.48,-2.1,-0.56
1UB3,GLU_338,4.62,0.22,-0.04,-0.21
2O8I,LYS_120,10.36,-0.14,0,0
1AK1,LYS_5,10.14,-0.37,0,0.01
1PGV,GLU_287,4.88,0.25,0,0.13
3CBN,CYS_117,12.06,0,-0.05,3.12
1X7F,TYR_161,11.43,-0.23,0.79,0.86
1U3Y,GLU_338,4.62,0.22,-0.04,-0.06
2Q98,ARG_125,12.44,-0.19,0,0.12
4E9E,ARG_546,13.29,-0.69,0.83,0.65
2B61,CYS_46,12.68,0,0.3,0.68
3G9G,CYS_202,10.78,-0.05,-0.12,1.95
1RL0,TYR_229,11.79,0.8,0.41,0.58
4EVF,ARG_83,13.47,-0.45,0.74,0.68
3N2T,GLU_304,4.56,0.12,0,-0.06
3I4T,TYR_146,11.97,0.09,0.45,1.43
1QYI,LYS_170,10.25,-0.21,0,-0.04
1Z9L,ASP_101,3.38,-0.75,0,0.33
1X1E,GLU_178,3.87,0.39,-0.57,-0.46
3RFY,TYR_283,13.28,-0.13,0.26,3.14
1W24,TYR_165,10.98,0.09,0.89
3ASA,HIS_190,6.48,-0.2,0,0.17
2F4Q,TYR_150,9.27,-0.5,-0.64,0.41
2FL4,TYR_102,9.88,-0.58,-0.31,0.77
2Q5X,ARG_779,11.99,-0.74,0,0.24
2ZCO,LYS_113,10.29,-0.37,0,0.16
3FHF,ARG_87,12.55,-0.19,0,0.24
3UPD,LYS_253,10.24,-0.26,0,0
3GT0,TYR_178,10.09,0,0.09
1MTZ,LYS_53,10.55,-0.13,0,0.17
3BCY,LYS_78,10.63,-0.15,0,0.27
1O6D,ARG_72,13.89,-0.53,1.35,0.57
1P2F,ARG_113,13.12,-1.46,0.83,1.26
2VGM,LYS_193,11.06,-0.29,0.27,0.59
3ON1,ASP_43,2.42,-1.59,-0.36,0.57
2I88,ASP_459,3.58,-0.51,-0.13,0.42
1O5T,ARG_298,12.51,-0.1,0.1,0.12
4DBX,LYS_280,10.37,-0.2,0.06
4ETX,ARG_161,11.73,-1.09,0,0.32
157K,ASP_137,2.89,-0.7,-0.65,0.44
2AZP,HIS_101,6.4,-0.37,0,0.26
1OGL,HIS_83,3.74,-2.3,0.2,-0.66
4F3J,HIS_135,5.44,-1.06,0,0
3BF6,LYS_28,10.62,-0.14,0,0.26
1LN4,LYS_89,10.47,-0.03,0,0
3K8J,GLU_131,4.37,0.12,0,-0.25
4E8B,CYS_21,9.58,-1.04,0.32,1.3
4EVF,GLU_109,4.33,0.24,0,-0.4

4F85,ASP_166,4.08,0,0.1,0.18
 1U3Y,TYR_348,10.68,-0.01,0.3,0.4
 3K9J,ASP_140,3.9,0,0,0.1
 3A7L,GLU_89,4.19,0.39,-0.81,0.11
 3M70,HIS_109,4.93,-1.43,0.2,-0.35
 1OTM,ASP_112,3.57,-0.76,-0.01,0.55
 2HRZ,LYS_279,10.43,-0.13,0,0.07
 3CX2,LYS_218,10.5,-0.11,0,0.11
 4FD6,TYR_113,9.95,-0.36,-0.19,0.5
 1BGF,HIS_100,6.26,-0.42,0.11,0.07
 2Q98,GLU_120,5.57,1.22,0,-0.16
 1WPA,HIS_499,6.33,-0.42,0,0.25
 1X7F,GLU_320,3.43,2.39,-2.3,-1.16
 1UOH,CYS_11,11.52,-0.46,0.43,2.55
 2PGX,GLU_117,6.18,2.78,-1.18,0.1
 2P5D,GLU_70,3.91,0.21,-0.79,-0.01
 3Q6L,ARG_107,11.43,-2.46,0.1.39
 2R51,HIS_173,7.39,-0.4,0.85,0.44
 4D8L,LYS_129,11.28,-0.25,0.5,0.53
 1XTZ,LYS_137,10.52,-0.36,0.11,0.27
 1HUFLYS_114,11.17,-0.67,0.85,0.48
 1SI7,LYS_81,10.5,0,0,0
 3I4T,ASP_41,3.91,0,-0.08,0.19
 1XTZ,ARG_172,13.41,-0.27,0.78,0.4
 2WB8,ASP_720,3.53,-0.46,-0.27,0.46
 2RGY,GLU_110,4.2,1.57,-1.37,-0.5
 4D8L,HIS_65,6.52,-0.62,0.75,-0.1
 1JYH,GLU_31,4.49,0.29,0,-0.3
 3H9W,GLU_115,4.78,0.11,0,0.17
 2JKF,ASP_109,3.71,-0.55,0.19,0.27
 1XAW,LYS_494,10.02,-0.31,0,-0.18
 3UAH,TYR_299,10.97,-0.77,0.01,1.72
 1J74,CYS_69,12.9,-0.02,0.41,3.51
 1KCM,TYR_94,13.1,-0.05,0.83,2.33
 3G59,ARG_99,12.84,-0.39,0.42,0.31
 3U2R,ASP_107,3.82,0,-0.13,0.15
 1FO9,TYR_130,10.35,0,-0.12,0.48
 2ZCO,GLU_242,3.97,1.43,-1.45,-0.51
 3O16,HIS_107,3.86,-2.75,0,0.11
 2IIA,CYS_34,9.12,-0.55,0.1,0.57
 3UAH,TYR_397,10.44,0,-0.29,0.73
 1R15,GLU_207,4.2,0.32,-0.21,-0.41
 3V3T,GLU_220,4.91,0.32,0,0.09
 2FPN,ARG_56,13.44,-0.32,0.43,0.82
 3JZ9,GLU_452,4.63,0.16,0,-0.03
 2FM9,ASP_170,3.95,0.3,-0.85,0
 1MIX,LYS_318,10.38,-0.12,0,0
 1QQH,ASP_122,2.91,-1.51,0,0.62
 1XFK,HIS_83,5.62,-1.3,0.37,0.05
 1BKB,GLU_122,4.92,0.23,0,0.19
 2B02,ARG_430,12.5,-0.5,0.1,0.4
 2P5D,ASP_55,3.81,0,-0.12,0.13
 1ZBM,LYS_87,11.35,-0.41,0.79,0.47
 3PM2,ASP_159,3.77,0,-0.36,0.32
 3VHJ,TYR_131,10.27,-0.83,0.49,0.61
 4ACJ,ASP_739,3.06,-0.79,-0.32,0.37
 200K,TYR_132,10.04,0,-0.09,0.13
 1XDZ,GLU_129,4.37,1.63,-1.46,-0.31
 1GSZ,LYS_191,10.28,-0.22,0,0
 1GXN,GLU_551,4.77,0.32,0,-0.05
 1ZHV,HIS_132,6.34,-0.2,0.04,0
 1OIS,ASP_171,3.07,-0.67,-0.6,0.53
 1DVO,LYS_39,10.42,-0.08,0,0
 1YM5,GLU_171,4.81,0.13,0,0.18
 2V81,ASP_54,4.05,0,0.01,0.24
 2OBI,LYS_118,10.4,-0.43,0,0.33
 3CCY,TYR_79,10.39,0,0.19,0.2
 2G3A,ARG_112,12.11,-0.28,0,-0.11
 3U2A,ASP_24,4.07,0,-0.23,0.49
 1OGL,GLU_250,4.07,0.68,-0.53,-0.59
 2XHC,ARG_107,12.51,-0.2,0,0.2
 3BWT,TYR_676,10.24,0,0,0.24
 1SUU,ARG_776,12.7,-1.01,0.61,0.59
 2BLL,GLU_575,3.88,0.36,-0.6,-0.38
 2AXO,TYR_199,12.44,0,0.81,1.63
 1MTZ,HIS_35,3.89,-3.59,0.33,0.64
 3U2R,LYS_114,10.4,-0.12,0,0.02
 1ZBM,ARG_224,13.42,-0.28,0.55,0.64
 2I6I,CYS_96,8.94,-2.76,-0.29,2.98
 1XTZ,ARG_189,13.48,-1.76,1.66,1.08
 1YTD,ARG_254,12.03,-0.52,0,0.04
 4F3J,ASP_203,2.63,-1.64,-0.37,0.85
 2D0A,HIS_152,5.74,-1.28,0.52,0
 1R3F,GLU_296,3.82,0.38,-0.74,-0.32
 3FTT,CYS_178,10.25,-0.56,-0.02,1.82
 1JKS,GLU_70,4.23,0.92,-0.85,-0.33
 2B0J,GLU_222,4.86,0.18,0,0.19
 1QZN,GLU_131,4.89,0.56,0,-0.17
 2EHG,ARG_129,12.75,-0.36,0.01,0.6
 2AXO,ASP_186,2.87,-0.75,-0.38,0.2
 3P28,LYS_218,10.6,-0.09,0,0.18
 2GS5,HIS_42,5.98,-0.6,0,0.08
 1TR9,ASP_171,2.46,-1.68,-0.16,0.5
 1Q8B,ARG_61,12.21,-0.42,0,0.13
 1TD6,TYR_258,10.72,-0.27,0.08,0.92
 3G9T,ASP_130,4.01,0,-0.09,0.3
 1DUP,LYS_77,10.31,-0.16,0,-0.03
 3DTE,TYR_58,10.81,0.07,0.74
 1EV8,ASP_40,4.15,0,0.02,0.33
 1R9W,LYS_259,10.65,-0.17,0,0.32
 1AK1,LYS_274,10.88,-0.34,0.32,0.4
 3E5T,LYS_182,10.13,-0.68,0,0.32
 2FD5,HIS_127,3.68,-2.32,0,-0.49
 2R51,LYS_55,10.45,-0.05,0,0
 1OIS,HIS_331,7.42,-0.45,0.85,0.51
 2P1W,LYS_31,10.44,-0.06,0,0
 2PGX,LYS_80,10.32,-0.18,0,0
 4FLE,TYR_153,9.72,-0.38,-0.1,0.21
 2E35,HIS_453,6.05,-0.53,0.09,-0.01
 4H4J,LYS_153,10.96,-0.29,0.41,0.34
 1XDZ,GLU_49,4.42,0.34,0,-0.42
 2WB3,ASP_374,4.28,0,0.31,0.17
 2CXCLYS_126,11.77,-0.71,1.28,0.69
 1Y0K,GLU_55,4.54,0.11,0,-0.07
 3PZ9,ASP_378,1.96,-2.43,-0.69,1.27
 4GCO,GLU_245,4.25,0.12,-0.38,0.01
 3HUE,GLU_69,5.03,0.81,0,-0.28
 1NRI,GLU_187,4.91,0.88,-0.42,-0.05
 1CBY,GLU_120,4.44,0.16,0,-0.22
 1ZBM,ARG_126,13.22,-0.26,0.5,0.48
 4FZNCYS_59,12.34,0.01,3.12
 2V4U,ARG_376,13.71,-0.87,1.29,0.77
 1V43,ASP_324,3.89,0,-0.35,0.45
 1GPP,LYS_173,10.37,-0.08,0,-0.04
 1Q8B,GLU_41,3.43,0.35,-0.85,-0.57
 1DOV,LYS_178,10.44,-0.11,0,0.05
 2OB5,ASP_69,3.3,-0.84,-0.38,0.73
 1WYC,GLU_310,3.87,0.23,-0.67,-0.19
 2QRX,TYR_16,9.43,-0.68,-0.17,0.27
 3I4T,GLU_138,4.58,0.08,0,0
 3E7P,GLU_131,4.43,0.44,-0.31,-0.2
 1MJS,HIS_248,6.1,-0.4,0,0
 1G8P,ARG_299,11.75,-0.83,0,0.08
 3LJN,TYR_202,9.97,-0.04,-0.35,0.36
 3B21,GLU_89,2.99,0.49,-1.58,-0.42
 1BN6,ARG_215,11.84,-1.22,0,0.55
 4FCU,GLU_208,3.08,1.14,-2.39,-0.16
 1KN3,LYS_62,10.57,-0.24,0,0.3
 1JYH,LYS_108,10.61,-0.16,0,0.27
 1OST,LYS_366,10.44,-0.06,0,0
 3JSN,ARG_212,11.39,-1.23,0,0.12
 2FPN,GLU_57,4.48,0.16,0,-0.18
 3ONT,ASP_71,2.26,-1.62,-0.45,0.53
 1PBV,GLU_95,4.74,0.31,0,-0.06
 1YR6,LYS_93,10.65,-1.19,0.83,0.5
 3CGW,HIS_96,3.02,-2.67,0,-0.81
 1T3Y,GLU_8,4.67,0.08,0,0.09
 1S1Y,GLU_23,4.47,0.17,0,-0.2
 1W7B,ARG_68,10.06,-3.04,0,0.6
 2X4G,CYS_59,10.16,0.04,1.12
 3DHN,HIS_223,6.26,-0.26,0,0.02
 1QVI,LYS_95,10.35,-0.47,0.32
 1NAR,LYS_153,10.64,-0.27,0,0.42
 3ULX,ARG_62,12.3,-0.35,0,0.15
 2Q99,ARG_372,12.3,-0.39,0,0.2
 3C2E,CYS_54,12.81,-1.63,1.31,4.13
 3JZN,TYR_148,11.39,-0.09,0.27,1.21
 1A8Q,ARG_111,13.16,-0.57,0.74,0.49
 2IIA,TYR_15,11.84,0.85,0.51,0.48
 3HKX,ASP_194,3.99,0,0.19
 2UOV,GLU_98,10.42,-0.74,0.2,0.47
 2QRX,ARG_63,13.19,-0.49,0.66,0.53
 2HNG,GLU_27,3.33,0.78,-1.56,-0.39
 2JHY,LYS_141,11.23,-0.58,0.85,0.45
 2WZ9,ARG_27,13.57,-0.23,0.92,0.38
 4H86,ASP_13,3.87,0,-0.06,0.14
 1S1Y,LYS_152,10.53,-0.37,0,0.4
 3L3P,LYS_465,10.14,-0.43,0,0.07
 3OBS,LYS_36,10.44,-0.1,0,0.05
 2DG7,ARG_127,13.01,-0.23,0.35,0.4
 2XJ4,ARG_187,11.39,-0.79,0,-0.33
 2I88,TYR_478,12.52,0.11,2.42
 3UOV,GLU_89,3.96,2.79,-2.01,-1.32
 2OKT,CYS_31,13.69,-0.06,0.68,4.07
 3CIV,TYR_134,12.49,-1.06,0.64,2.91
 2F8H,TYR_326,11.29,-0.05,0.09,1.24
 4E8B,GLU_68,3.69,0.16,-0.74,-0.23
 2VGM,ASP_294,4.02,0.07,0.15
 3EY,ARG_87,13.96,-0.74,1.65,0.54
 2WOZ,ARG_388,10.3,-2.64,0,0.44
 4DNU,ASP_51,1.85,-1.9,-0.59,0.55
 2F24,GLU_74,4.63,0.13,0,0
 1D0T,HIS_136,5.62,-0.69,0.02,-0.21
 2OKT,HIS_28,6.19,-0.53,0,0.21
 3UUV,LYS_485,10.49,-0.11,0,0.11
 2RGY,TYR_337,13.33,0.84,0.66,1.84
 2XHC,ASP_303,3.36,-0.74,-0.18,0.49
 3F1X,LYS_274,10.67,-0.08,0,0.25
 2GZQ,GLU_40,4.23,0.36,-0.58,-0.05
 1O17,ARG_146,13.12,-0.25,0.48,0.39
 3RVC,GLU_142,4.51,0.44,-0.04,-0.39
 1XDZ,LYS_104,10.39,-0.11,0,0
 2ZQ5,GLU_225,3.17,0.4,-1.54,-0.19
 2YLF,GLU_55,3.77,0.85,-1.35,-0.22
 1WYC,HIS_375,6.01,-1.8,0.61,0.7
 2HP7,GLU_91,3.54,0.34,-1.3,0
 3HGQ,ASP_56,3.99,-0.13,-0.25,0.56
 2X4L,GLU_155,3.89,0.32,-0.81,-0.12
 1XEU,CYS_258,9.59,0.15,0.44
 3LJN,TYR_148,10.6,0,0.15,0.45
 2NRR,GLU_345,4.34,0.43,-0.69,0.1
 3DB9,ASP_12,3.51,-0.34,-0.22,0.27
 2FL4,LYS_88,10.15,-0.25,0,-0.1
 2CXLYS_17,11.27,-0.43,0.82,0.38
 4DND,GLU_87,4.83,0.2,0,0.14
 3E5T,GLU_203,4.72,0.26,0,-0.04
 3E7Z,ARG_351,13.44,-0.37,0.39,0.92
 1FO9,LYS_401,10.51,-0.07,0,0.08
 4E8B,GLU_187,4.7,0.2,0,0
 4F3J,CYS_145,10.42,-0.88,0.15,2.13
 2APL,GLU_89,4.27,0.46,-0.71,0.02
 1Q42,HIS_91,6.4,-0.19,0,0.09
 1Y2Q,LYS_72,10.33,-0.23,0,0.06
 2H2W,LYS_26,10.49,-0.01,0,0
 3LJN,HIS_210,4.46,-2.07,0,0.03
 3US6,LYS_120,10.25,-0.18,0,-0.06
 1YR6,ASP_75,3.39,-0.85,-0.37,0.81
 2B0A,ARG_56,12.21,-0.31,0,0.02
 1SIG,ASP_189,3.7,-0.3,-0.13,0.32
 1RZ2,GLU_158,4.78,0.24,0,0.04
 3U4K,TYR_64,10.94,0.11,0.83
 2QK1,GLU_554,4.14,0.38,-0.25,-0.49
 3G9G,GLU_186,5.49,0.92,-0.11,0.19
 3NRK,HIS_98,4.74,-1.86,0,0.1
 1GVP,ASP_36,3.22,-0.72,-0.17,0.31
 2PLQ,ARG_295,12.51,-0.09,0,0.1
 3V55,ASP_697,3.8,-0.18,0,0.18
 3JZN,GLU_392,4.71,0.24,0,-0.02
 3MIX,GLU_322,4.79,0.3,0,-0.01
 1L2F,GLU_268,4.88,3.52,-2.2,-0.95
 3BQW,ASP_74,3.91,0,-0.02,0.12
 2DFL,TYR_177,11.12,0.47,0.11,0.54
 3K8J,LYS_120,10.66,-0.11,0,0.27
 3GFP,ASP_468,4.25,-0.18,0.28,0.34
 1QYI,GLU_378,3.84,0.42,-0.94,-0.13
 1LN4,GLU_69,4.7,0.19,0,0.02
 2VGM,CYS_155,11.37,-0.09,-0.01,2.47
 3Q1C,GLU_118,4.41,0.66,0,-0.76
 1SNT,HIS_200,6.47,-0.6,0,0.57
 1RLO,ARG_252,12.97,-0.31,0.34,0.44
 1J8B,ASP_65,3.27,-0.76,0,0.23
 3F5D,LYS_177,10.34,-0.25,0,0.08
 2B0J,LYS_226,10.19,-0.75,0,0.45
 1W7B,LYS_286,11.17,-0.63,0.85,0.46
 1U53,TYR_170,13.31,0,0.12,3.2
 2W0G,LYS_173,11.36,-0.18,0.65,0.39
 3UV9,ASP_440,4.13,0.04,0.29
 3M7G,GLU_18,4.08,0.84,-0.54,-0.72
 1YLN,HIS_215,5.72,-0.32,0,-0.46
 3A7L,GLU_126,4.65,0.17,0,-0.02
 3NR5,LYS_97,10.44,-0.06,0,0
 2Z0M,LYS_86,9.97,-0.5,0,-0.03
 2AZL,ARG_286,11.99,-0.51,0,0
 1WXF,GLU_22,13.85,1.39,-0.8,-1.24
 3ADO,GLU_293,4.58,0.08,0,0
 3M7D,ARG_42,12.98,-0.62,0.6,0.51
 2IDC,ARG_137,11.64,-2.51,0.16,1.5
 2BAA,LYS_20,10.38,-0.12,0,0
 2E3H,GLU_240,4.9,0.28,0,0.12
 3PBH,ARG_116,13.09,-0.33,0.37,0.55
 2VGM,GLU_137,4.66,0.41,0,-0.25
 2VAN,GLU_165,3.97,0.65,-0.82,-0.37
 2Z84,TYR_178,10.5,0.05,0.44
 350A,LYS_52,10.94,-0.64,0.48,0.6
 1WXF,ARG_82,13.6,-0.54,0.95,0.69
 2JEO,GLU_51,4.68,0.12,0,0.04
 2E35,LYS_590,10.67,-0.29,0.47
 1WLY,LYS_316,11.32,-0.45,0.85,0.42
 2CYG,ARG_252,12.13,-0.38,0,0
 2BLL,HIS_363,5.57,-1.14,0.22,-0.01
 4FD6,ARG_134,13.44,-2.01,0.83,2.12
 2HNG,GLU_95,3.12,0.48,-1.48,-0.38
 1BN6,CYS_273,10.96,0,-0.22,2.18
 3PZ9,GLU_388,3.3,0.5,-1.32,-0.39
 2Q13,ARG_72,12.47,-0.03,0,0
 2FZP,ARG_190,12.96,-0.55,0.22,0.79

2HXB,GLU_93,3.52,0.64,-1.63,0
 2IF4,GLU_261,3.69,0.26,-0.7,-0.37
 2RIK,GLU_138,3.19,0.49,-1.52,-0.27
 1GXN,ARG_625,14,-0.91,1.51,0.89
 4ETX,CYS_236,12.07,0,-0.34,3.11
 3AU3,CYS_575,11.27,0,0.15,2.12
 2YYO,TYR_30,10.99,0,0.06,0.93
 2ZCX,ARG_155,13.12,-0.47,0.71,0.39
 3T5B,HIS_176,4,-3.28,0.79,0
 1U53,LYS_14,10.48,-0.35,0,0.33
 2Z84,ARG_128,11.7,-1.08,0,0.29
 2WOZ,ARG_485,10.94,-2.83,0.54,0.72
 3CIV,GLU_231,3.1,3.85,-2.44,-2.81
 2PGX,ASP_199,2.82,-1.09,-0.41,0.52
 3QAV,HIS_144,6.49,-0.43,0,0.42
 3JZ9,HIS_376,5.27,-0.88,0,-0.35
 2CL3,GLU_119,4.1,0.29,-0.49,-0.19
 3IRA,GLU_32,4.69,0.17,0,0.01
 2OEW,LYS_234,10.63,-0.19,0.05,0.28
 3M70,ASP_144,4.09,0,0.02,0.28
 2ATR,TYR_126,10.48,0,0.19,0.28
 3JRT,TYR_89,11.99,0,0.29,1.69
 2X4G,ASP_323,3.69,-0.09,-0.4,0.39
 3CO1,TYR_71,11.2,0.05,0.52,0.63
 1KCM,GLU_28,4.9,0.85,0,-0.44
 3HOX,LYS_68,10.42,-0.33,0,0.25
 3CSV,LYS_217,11.2,-0.36,0.85,0.21
 1P2F,LYS_163,10.39,-0.12,0,0.01
 2NSN,ASP_42,3.49,-0.7,0,0.39
 3CCY,TYR_194,10,0,-0.08,0.07
 1J33,ARG_189,12.2,-0.29,0,-0.02
 1MD6,ASP_127,3.38,-0.85,-0.08,0.51
 4FZR,CYS_9,10.72,-0.13,0.37,1.48
 1R6Y,GLU_86,3.93,0.28,-0.85,0
 3GW3,GLU_314,4.92,0.32,0,0.09
 2Z84,GLU_130,4.28,0.66,-0.54,-0.34
 3UC9,ASP_177,3.83,0,-0.16,0.19
 3T8R,ARG_50,13.35,-0.37,0.58,0.64
 1O9G,GLU_117,4.63,0.15,0,-0.02
 3ZSL,ARG_169,12.47,-0.66,0.37,0.26
 1SUU,GLU_709,4.54,0.07,0,-0.04
 3TRE,CYS_113,10.44,0,0.07,1.37
 1QYI,HIS_88,4.02,-2.66,0,0.18
 3R87,CYS_74,11.52,-0.08,0.22,2.38
 3CBN,ARG_29,12.24,-0.32,0,0.06
 3UAH,HIS_382,7.05,-1.83,1.26,1.12
 1MUF,GLU_138,4.8,0.34,-0.58,0.55
 2Q13,ARG_314,13.44,-0.16,0.74,0.36
 3CS1,GLU_115,3.96,0.37,-0.53,-0.37
 1JSX,GLU_89,3.18,0.68,-1.59,-0.41
 1WLJ,LYS_294,11.27,-0.46,0.7,0.53
 3COU,ARG_50,12.26,-1.12,0.39,0.5
 1ZP2,TYR_34,10.54,0,0.24,0.3
 3ETV,LYS_161,10.45,-0.05,0,0
 2X4L,TYR_130,12.5,0,0,2.5
 3IRA,LYS_36,10.62,-0.11,0,0.23
 2ZQ5,ARG_144,12.51,-0.17,0,0.17
 2R0S,ASP_71,3.1,-0.52,-0.41,0.22
 2CVB,GLU_104,4.45,0.69,-0.61,-0.14
 3H9W,GLU_129,3.2,0.39,-1.36,-0.34
 3LH5,TYR_633,13.9,0,0.01,3.88
 3FTT,LYS_4,11.36,-0.47,0.78,0.55
 1EQ6,ASP_149,4.12,0,0.04,0.28
 2O8I,GLU_75,4.69,0.19,0,0
 2NRR,LYS_357,10.57,-0.04,0,0.11
 2A6B,ASP_156,3.82,0,-0.11,0.13
 3GOZ,LYS_130,10.08,-0.47,0,0.05
 3BB7,ARG_171,12.31,-0.22,0,0.04
 4H4J,ASP_28,3.18,-0.73,-0.32,0.43
 3M7D,ARG_206,13.45,-0.4,0.78,0.57
 4FD6,ARG_10,12.62,-0.28,0.04,0.36
 3UX2,GLU_68,4.2,0.29,-0.55,-0.03
 3PZ9,ARG_364,13.78,-0.36,0.75,0.9
 2A0J,ARG_24,12.61,-0.23,0,0.34
 1RHS,TYR_107,13.28,0,-0.09,3.38
 4EVF,TYR_114,11.72,-0.09,0.12,1.7
 2RIK,GLU_135,4.77,0.27,0,0
 1UCH,TYR_35,10.82,0.24,0.34,0.24
 1X8F,GLU_245,4.76,0.14,0,0.11
 2OPJ,CYS_93,10.35,-0.26,-0.32,1.94
 2YWJ,TYR_58,9.54,0,-0.72,0.27
 3LPZ,ARG_197,12.15,-0.38,0,0.04
 3CGW,GLU_25,4.99,0.36,0,0.13
 1QQE,LYS_281,10.37,-0.28,0,0.14
 3RJX,LYS_137,11.44,-0.24,0.72,0.45
 2INO,LYS_89,10.48,-0.13,0,0.1
 2Q5X,ARG_850,13.29,-0.58,0.67,0.7
 3GA2,ARG_177,12.82,-1.55,0.56,1.33
 1X6J,ARG_81,12.36,-0.25,0,0.11
 2W2S,LYS_77,10.4,-0.11,0,0.01
 1A8Q,ASP_65,3.58,-0.33,-0.19,0.29
 1H09,LYS_288,10.24,-0.42,0,0.16
 3LJN,ARG_25,12.23,-0.29,0,0.02
 2OHT,ARG_101,13.09,-0.17,0.44,0.32
 2FBQ,LYS_50,10.31,-0.18,0,-0.01
 3JZ9,GLU_524,2.66,0.75,-2.32,-0.27
 2F19,GLU_70,4.54,0.15,0,-0.11
 4EF5,GLU_249,3.84,0.39,-0.67,-0.38
 3BPV,ARG_96,12.28,-0.3,0,0.08
 1BYI,CYS_151,9.99,-0.86,-0.01,1.86
 3K1H,LYS_76,10.08,-0.45,0,0.03
 2D7U,LYS_142,10.53,-0.11,0,0.14
 1XKR,ASP_97,3.58,0,-0.37,0.16
 1LTU,GLU_71,3.67,0.18,-0.63,-0.38
 2P1W,TYR_61,12.19,0,0.16,2.02
 1YG2,HIS_89,6.39,-0.1,0,-0.01
 2B0A,LYS_95,10.49,-0.18,0,0.16
 3BWT,ARG_674,12.67,-0.32,0.18,0.31
 2WOZ,GLU_321,5.01,0.16,0,0.35
 4DNU,TYR_194,11.08,0.02,0.88
 3FFM,GLU_28,4.7,0.41,0,-0.2
 1O5T,LYS_256,10.42,-0.08,0,0
 2PGX,ARG_208,12.21,-0.52,0,0.22
 2B61,ASP_10,3.07,-1.06,0,0.33
 3FNI,GLU_137,3.13,0.49,-1.4,-0.45
 2CWC,ASP_146,3.54,-0.27,-0.27,0.28
 2WOZ,LYS_570,10.85,-0.8,0.61,0.54
 4DNU,LYS_16,10.35,-0.15,0,0
 1NJ4,HIS_151,4.94,-1.45,0,-0.1
 3T5B,GLU_266,4.46,0.08,0,-0.12
 3G59,GLU_242,4.63,0.13,0,0
 3AU3,ARG_549,11.8,-0.7,0,0
 3V46,ASP_372,3.85,-1.44,-0.41,1.9
 3B4D,HIS_211,6.35,-0.09,0,-0.06
 4AM1,ASP_238,3.79,-0.84,-0.15,0.99
 1RAJ,ASP_339,4.39,0,0.19,0.41
 3RE9,ARG_91,12.75,-0.47,0.03,0.68
 1YB2,TYR_253,10.44,-0.08,-0.04,0.56
 2A6B,ASP_197,1.49,-2.3,-0.72,0.69
 3ANJ,LYS_89,10.47,-0.44,0,0.4
 2E3C,GLU_271,4.52,0.35,-0.31,-0.02
 3MIX,GLU_345,4.61,1.76,-0.85,-0.82
 1FQI,HIS_315,5.93,-0.42,0,-0.15
 3J5N,ARG_301,11.95,-0.55,0,0
 3JV1,ASP_214,3.71,-0.95,-0.34,1.2
 2H01,LYS_29,10,-0.7,0,0.2
 3NBI,LYS_105,10.33,-0.17,0,0
 1O0X,ARG_199,12.27,-0.23,0,0
 3DZ1,GLU_6,4.57,0.37,-0.33,0.03
 1XEU,ARG_128,12.39,-0.16,0,0.04
 2HP7,ASP_79,4.04,-0.1,0,0.34
 2FBQ,ASP_88,3.26,-1,-0.11,0.57
 2XHC,LYS_219,10.3,-0.52,0,0.32
 2YLF,ASP_198,3.14,-1.06,-0.2,0.6
 1YOK,CYS_34,13.24,-0.09,0.25,4.08
 1MJS,GLU_360,4.66,0.22,-0.05,-0.01
 3J5N,ASP_223,2.85,-1.61,0,0.66
 3AU3,ASP_605,4.32,0,-0.3,0.82
 3EGN,TYR_413,11.92,0,0,1.92
 3T5B,ARG_365,13.01,-0.85,0.62,0.74
 1VJG,CYS_12,11.94,0,-0.16,3.11
 2GYZ,ARG_74,12.31,-0.22,0,0.03
 2B78,HIS_164,6.66,-0.87,0.62,0.41
 3V55,GLU_549,4.23,0.54,-0.38,-0.42
 2ZTY,LYS_178,11.68,-0.6,-0.33,2.62
 3TIR,ARG_225,12.61,-0.48,0.08,0.51
 2RGY,ARG_223,13.83,-3.45,0.06,4.73
 3H9W,HIS_94,5.8,-0.65,0,-0.05
 1XVD,LYS_143,10.85,-0.23,0.16,0.42
 2QD2,HIS_192,6.14,-0.39,0,0.03
 3ERF,TYR_131,10.38,0,-0.21,0.59
 2NRK,GLU_58,4.69,0.22,0,-0.02
 3CS1,TYR_127,11.27,-0.37,0.26,1.4
 2BOJ,ARG_268,13.2,-0.28,0.56,0.41
 1PBV,ASP_131,3.74,-0.2,-0.75,0.89
 3G9G,LYS_16,11.36,-0.38,0.85,0.38
 3RJZ,LYS_200,10.62,-0.23,0,0.34
 2EYI,ASP_199,3.11,-0.6,-0.43,0.34
 1MTZ,GLU_4,8.33,3.33,0,0.49
 1DZF,GLU_34,4.61,0.48,0,-0.36
 2Q34,ARG_252,12.45,-0.2,0,0.15
 1WPA,GLU_452,5.2,0.33,0,0.36
 2CWW,TYR_17,10.5,0,-0.46,0.96
 2OB5,TYR_118,10.66,-0.2,-0.12,0.96
 3F7M,GLU_154,3.88,0.6,-0.45,-0.78
 3GA2,GLU_55,4.71,0.37,-0.05,-0.1
 3M70,HIS_27,5.79,-1.56,0.83,0.02
 2F19,HIS_11,5.74,-0.39,0,-0.37
 1QQL,ARG_11,12.64,-0.21,0,0.35
 2DVK,LYS_116,10.34,-0.16,0,0
 2C2Y,ARG_223,12.59,-0.46,0.23,0.32
 2H2W,ASP_175,3.87,0,-0.09,0.17
 3MTT,ASP_455,4.04,-0.06,-0.19,0.48
 3ZXY,GLU_71,4.52,0.1,0,-0.08
 2BAA,TYR_222,12.62,-0.85,-0.48,3.95
 1XAW,ASP_518,2.25,-1.57,-0.53,0.55
 3BB7,TYR_270,10.32,-0.03,-0.2,0.56
 3M70,ARG_284,12.81,-0.34,0.08,0.56
 3G6S,LYS_122,10,-0.29,0,-0.21
 1JSX,HIS_198,6.23,-0.6,0.28,0.05
 1JT9,HIS_90,5.26,-1.42,0,0.18
 3V46,GLU_261,4.49,0.27,0,-0.28
 3LD1,LYS_43,10.36,-0.12,0,-0.02
 2RGY,GLU_262,4.65,0.24,0,-0.1
 1X9G,LYS_62,10.43,-0.07,0,0
 3U56,TYR_13,10.38,-0.27,-0.34,0.99
 2BV9,ARG_124,12.26,-0.26,0,0.02
 1YM5,ASP_289,2.86,-0.85,-0.48,0.38
 3B21,GLU_105,4.65,0.15,0,0
 2D8N,LYS_170,10.81,-0.15,0,0.45
 1FQI,ARG_403,13.57,-0.2,0.9,0.38
 3CSV,LYS_358,10.54,-0.17,0,0.2
 2V5B,HIS_123,4.61,-1.46,0,-0.42
 3N2T,ASP_230,1.92,-2.17,-0.4,0.68
 3LJC,LYS_219,10.07,-0.44,0,0.02
 4EKU,CYS_89,12.8,0.7,3.1
 2XMZ,HIS_180,5.78,-0.63,0,-0.1
 2V81,GLU_71,4.12,0.33,-0.53,-0.19
 1U53,LYS_32,10.2,-0.42,0,0.11
 3C6B,LYS_5,10.21,-0.22,0,-0.06
 4HDE,ASP_46,2.8,-0.85,-0.53,0.39
 2Q07,ASP_259,2.55,-1.34,-0.43,0.53
 2XMZ,HIS_168,6.25,-0.24,0,-0.01
 1U7U,ASP_319,3.83,0,-0.14,0.17
 2PGE,ARG_201,10.84,-1.69,0,0.03
 2O8P,TYR_186,10.59,-0.85,-0.15,1.59
 2D59,ASP_121,4.04,0,-0.01,0.25
 1ZBM,GLU_242,3.92,0.13,-0.71,0
 1P4X,ARG_21,12.97,-1.17,1,0.64
 3LH5,GLU_526,4.53,0.33,0,-0.3
 2XJ4,GLU_12,4.56,0.96,-0.52,-0.38
 2RGY,ASP_188,3.58,-0.89,-0.17,0.84
 3A7L,GLU_12,4.72,0.37,0,-0.16
 1TLV,LYS_100,4.17,-2.34,0,0.01
 3HZQ,LYS_92,10.45,-0.05,0,0
 2YWJ,GLU_116,3.61,0.34,-0.85,-0.38
 2HNG,ASP_120,3.91,0,0,0.11
 1PDB,LYS_98,10.62,-0.21,0,0.33
 1UAJ,GLU_126,5.13,1.32,0,-0.69
 2W1R,ASP_143,2.87,-0.84,-0.43,0.35
 3CS1,GLU_151,3.98,0.81,-1.55,0.23
 3RLE,ARG_130,12.05,-0.37,0,-0.09
 1YB2,TYR_160,9.96,-1.26,0.07,1.15
 3M66,TYR_377,13.31,0,0,3.31
 1TLV,TYR_94,9.42,-0.85,-0.26,0.54
 2E3C,TYR_272,9.95,-0.17,-0.39,0.53
 3F1X,ASP_34,3.77,-0.22,-0.29,0.49
 1CHD,GLU_169,4.61,0.16,0,-0.04
 1P4X,GLU_135,5.3,1.08,-0.47,0.17
 3S0A,ASP_117,3.91,0,-0.55,0.66
 1JT9,GLU_246,4.78,0.26,0,0.02
 1MUF,TYR_98,10.41,0,0,0.41
 1Y2Q,GLU_14,3.83,0.37,-0.49,-0.55
 4ETX,ARG_199,12.49,-0.16,0,0.15
 1YTD,GLU_315,4.67,0.2,0,-0.03
 1K9S,ASP_134,3.96,0,0,0.16
 2BOJ,GLU_328,4.61,0.11,0,0
 2OJQ,TYR_150,10.16,-0.62,0,0.28
 1L2F,LYS_20,10.64,-0.34,0,0.49
 3GYW,ARG_108,13.01,-0.66,0.52,0.65
 1Z9L,ASP_116,4.2,-0.07,-0.15,0.62
 3KEY,LYS_457,10.4,-0.12,0,0.03
 3A7L,GLU_128,4.2,0.5,-0.38,-0.42
 1NFN,ARG_145,10.87,-1.24,0,-0.39
 3BWT,ARG_879,12.35,-0.56,0.05,0.37
 2Z0M,CYS_191,10.73,0.6,0.22,0.91
 2E3C,LYS_438,10.17,-0.48,0,0.15
 1S7K,TYR_161,10.28,0,0.07,0.21
 3PM2,GLU_113,4.83,0.33,0,0
 1YTD,GLU_256,3.41,0.5,-0.97,-0.62
 2PLQ,LYS_92,10.9,-0.3,0.33,0.37
 3EGN,ARG_421,11.58,-0.84,0,-0.07
 2B0J,GLU_70,4.51,0.14,0,-0.13
 2H85,GLU_170,4.58,0.08,0,0
 1KN3,TYR_176,11.29,0.04,1.26
 3HVW,GLU_271,4.44,0.29,0,-0.36
 1160,HIS_58,6.81,-0.6,0.7,0.22
 2F19,ASP_99,3.82,-0.4,-0.02,0.44
 2Z84,TYR_209,10.22,-1.03,5.55E-17,1.25
 2W2S,LYS_187,11.22,-0.65,0.42,0.95
 2H85,HIS_242,6.58,-0.21,0,0.28
 3B21,GLU_120,3.69,0.29,-0.71,-0.39
 2H85,ASP_260,3.77,0,-0.31,0.29
 2PLQ,LYS_268,10.41,-0.18,0,0.09
 1R3D,ARG_40,12.3,-0.2,0,0
 3ANJ,CYS_124,12.72,-0.7,0.36,4.07

3EVP,ARG_280,13.28,-0.31,0.62,0.47
 1NAR,ARG_135,12.52,-0.42,0,0.44
 1YOK,ASP_28,3.18,-0.57,-0.5,0.46
 2FD4,ASP_501,3.9,-0.13,-0.13,0.37
 3CGW,ARG_62,12.58,-0.21,0,0.29
 1OXZ,LYS_198,10.4,-0.11,0,0.02
 3IRA,LYS_142,11.52,-0.33,0.85,0.5
 1C44,GLU_17,4.8,0.37,0,-0.07
 2A1V,LYS_117,10.4,-0.46,0.25,0.11
 1T3Y,LYS_118,8.34,-1.78,0,-0.38
 1SIG,ARG_285,12.39,-0.09,0,-0.02
 2R57,ASP_324,3.55,-1.62,-0.11,1.49
 2DVK,GLU_132,4.13,0.58,-0.62,-0.34
 3ZTA,LYS_117,11.15,-0.27,0.53,0.38
 1MSI,TYR_133,10.39,0,0.18,0.21
 3MEW,HIS_203,6.4,-0.85,0.24,0.51
 3M7D,LYS_248,9.71,-0.52,0,-0.27
 2BV9,ARG_244,12.23,-0.27,0,0
 2G9D,ARG_39,11.7,-0.98,0,0.17
 2OSA,ARG_428,12.54,-1.17,0.72,0.49
 2BDD,TYR_138,10.1,0,0.03,0.06
 2RJD,CYS_403,12.01,0.51,0.6,1.89
 3JSN,CYS_109,12.4,0,0.11,3.29
 4E9E,TYR_523,12.42,-0.2,0.81,1.81
 3HUE,GLU_7,3.73,0.49,-1.23,-0.04
 1MML,LYS_257,10.32,-0.2,0,0.02
 2OJQ,LYS_541,10.34,-0.16,0,0
 3ONT,ARG_38,12.69,-0.29,0,0.49
 1PVT,LYS_199,10.87,-0.2,0,0.57
 4DIU,ARG_174,12.66,-0.37,0,0.52
 2D59,ARG_114,12.95,-0.19,0.26,0.38
 3EJG,ASP_29,3.11,-0.93,-0.17,0.41
 1MD6,LYS_95,10.83,-0.26,0,0.6
 2E3C,GLU_357,4.64,0.11,0,0.03
 3RFY,ASP_171,3.81,0,-0.14,0.15
 2AH5,HIS_150,5.71,-0.89,0,0.1
 1Q46,GLU_37,5.71,3.16,-1.57,-0.38
 3LPZ,ARG_230,12.28,-1.15,0.37,0.57
 2VAN,GLU_129,4.55,0.26,0,-0.22
 3DZ1,ASP_186,2.76,-1.45,-0.16,0.56
 2AZP,GLU_270,4.2,0.72,-0.33,-0.69
 2BLL,HIS_372,6.15,-0.46,0,0.1
 3C38,ASP_241,3.22,-0.85,-0.32,0.59
 4ANN,LYS_187,10.43,-0.19,0,0.12
 2B0J,LYS_300,10.61,-0.24,0.04,0.31
 1LTU,ASP_75,3.96,0,-0.06,0.22
 3K8J,GLU_215,4.01,1.51,-1.51,-0.49
 3AUF,ARG_46,11.63,-1.09,0,0.21
 2PIM,ARG_108,12.32,-0.17,0,0.05
 2BCF,CYS_102,10.64,-0.26,0.72,1.18
 2C13,CYS_273,13.26,-0.95,2.1,3.11
 2WB8,LYS_584,10.33,-0.17,0,0
 3EOD,TYR_125,10.48,0,0.1,0.37
 4FZR,ARG_349,12.78,-0.21,0.03,0.45
 1OST,LYS_450,10.38,-0.11,0,-0.01
 2H2Z,GLU_270,4.65,0.47,-0.31,-0.01
 1EYH,ARG_139,13.37,-0.39,0.71,0.54
 1P6F,GLU_87,4.52,0.33,0,-0.31
 1UAJ,HIS_28,6.16,-0.25,0,-0.09
 1XWM,TYR_123,13.96,-0.01,-0.09,4.07
 3KT9,ARG_42,12.32,-0.18,0,0
 1T07,TYR_31,9.95,-0.02,-0.37,0.34
 1CBY,LYS_79,10.49,-0.34,0,0.34
 1ES5,HIS_135,6.37,-0.18,0,0.05
 3V55,ASP_645,3.96,0,-0.23,0.4
 3F5D,LYS_146,11.32,-0.39,0.85,0.36
 4E2B,LYS_134,10.41,-0.35,0,0.26
 3I4T,ARG_153,11.01,-1.6,0,0.11
 2RGY,HIS_189,3.07,-2.93,0.18,-0.67
 2B61,ASP_205,4.66,0,0.09,0.78
 1JKS,ASP_10,4.28,0,0.04,0.44
 1ZBS,ASP_235,2.84,-1.13,-0.38,0.56
 3N0K,TYR_56,9.94,-0.79,-0.15,0.88
 1VSM,ARG_70,12.28,-0.56,0,0.34
 2H30,ASP_106,3.27,-0.84,-0.05,0.36
 2E3C,ARG_217,12.56,-0.17,0,0.23
 3O48,ASP_57,4.72,-0.02,0.3,0.65
 3UAH,ARG_448,11.96,-0.83,0,0.3
 2PGE,HIS_235,6.09,-0.27,0,-0.14
 1R9W,CYS_240,10.07,-0.15,-0.1,1.32
 1J74,ARG_45,13.39,-0.34,0.34,0.9
 1WRU,LYS_287,10.55,-0.3,0,0.35
 2ZCO,LYS_13,10.16,-0.18,0,-0.17
 3F6F,GLU_111,4.52,0.37,0,-0.35
 3M16,ARG_308,12.66,-0.58,0.21,0.53
 2ILR,LYS_525,10.46,-0.04,0,0
 1LZL,ARG_314,12.22,-0.26,0,-0.03
 1EDG,ARG_30,11.72,-0.79,0,0.01
 3CBN,GLU_54,4.51,0.01,0,0
 2P1W,ARG_227,12.57,-0.22,0,0.29
 1DOV,ASP_143,3.52,-0.67,-0.21,0.61
 2G5X,LYS_44,11.43,-0.3,0.85,0.38
 1HF8,GLU_232,4.62,0.24,0,-0.12
 2E3C,CYS_348,12.27,0.0,1.3,1.7
 3BA1,ARG_92,13.12,-0.46,0.66,0.42
 3BQW,ARG_19,13.38,-0.35,0.57,0.66
 3U2R,GLU_102,4.46,0.29,0,-0.33
 3CO1,ASP_123,3.91,0,0,0.11
 3FNI,ARG_123,13.53,-0.33,0.8,0.56
 2GYZ,ARG_8,11.71,-0.47,0,-0.32
 4F8A,LYS_673,10.74,-0.22,0,0.46
 1YB2,ARG_225,12.36,-0.14,0,0
 1OIS,HIS_196,5.73,-0.62,0,-0.15
 1L2H,TYR_90,11.38,0.61,-0.02,0.79
 1NJ4,GLU_318,4.56,0.27,0,-0.21
 1HF8,GLU_51,4.09,0.22,-0.06,-0.02
 2IXM,GLU_270,4.64,0.15,0,-0.02
 3N0K,ASP_53,3.85,0,-0.1,0.16
 2FXT,CYS_369,11.87,-0.01,0.07,2.81
 3RFY,ASP_284,3.99,-0.61,-0.22,1.01
 2EEY,HIS_77,6.48,-0.8,0.78,0
 2OGQ,ASP_537,1.79,-2.48,-0.62,1.08
 3ANJ,TYR_266,10.42,0,0,0.42
 1R3F,LYS_33,10.25,-0.25,0,-0.01
 3DTE,ARG_242,12.75,-0.41,0.1,0.57
 2CWY,ARG_90,12.29,-0.23,0,0.03
 1F2V,GLU_15,4.92,0.27,0,0.15
 1RF6,TYR_221,12.25,0.05,0.14,2.05
 2RFA,TYR_89,10.04,0,-0.26,0.31
 3JRT,LYS_6,10.32,-0.19,0,0.01
 2F4Q,ASP_269,3.75,0,-0.39,0.35
 1MTZ,HIS_255,6.21,-0.64,0.25,0.1
 3DSH,ARG_301,13.27,-0.4,0.77,0.4
 1WXQ,GLU_383,4.65,0.15,0,0
 2CBE,GLU_236,4.1,0.3,-0.62,-0.07
 2NMM,ARG_141,12.5,-0.93,0.55,0.38
 1R16,HIS_300,5.7,-0.66,0.08,-0.22
 1TJE,ARG_110,13.47,-0.25,0.81,0.41
 1YTQ,ASP_91,2.66,-1.03,-0.6,0.5
 3LD1,ARG_228,12.36,-0.25,0,0.1
 1BN6,GLU_109,4.58,0.11,0,-0.03
 2XJ4,ARG_125,12.06,-0.84,0,0.4
 3ODJ,GLU_31,4.2,0.41,-0.82,0.12
 2G2D,HIS_150,5.93,-0.4,0,-0.16
 2A4D,GLU_144,4.83,0.42,0,-0.09
 1R2Z,ASP_218,3.83,0,-0.09,0.13
 2XWS,GLU_52,3.33,0.54,-1.32,-0.39
 1YR6,TYR_28,12.06,0.84,0.54,0.67
 1TJE,LYS_200,10.44,-0.06,0,0
 3LJC,GLU_7,4.48,0.24,0,-0.25
 2A6B,LYS_19,11.44,-0.24,0.79,0.38
 3EUR,LYS_103,10.37,-0.15,0,0.02
 3JSN,LYS_121,11.13,-0.5,0.49,0.64
 2Q99,ARG_9,11.75,-2.47,0,1.72
 2F9F,ARG_27,12.82,-0.83,0.68,0.46
 1SIG,LYS_289,10.35,-0.17,0,0.02
 1NWA,ASP_143,3.22,-0.78,-0.53,0.73
 2A1V,TYR_83,10.3,0,0.08,0.22
 3IL3,ARG_43,12.29,-0.84,0,0.63
 2C2Y,ARG_281,12.53,-0.11,0,0.14
 3HNX,ARG_81,12.31,-0.32,0,0.13
 2FXT,TYR_338,10.48,0.0,1,0.38
 1LN4,HIS_16,6.12,-0.13,0,-0.25
 1XIP,HIS_95,6.05,-0.93,0.49,-0.01
 3LJC,ASP_18,3.78,0,-0.3,0.28
 3C38,LYS_80,10.47,-0.12,0,0.09
 1VSM,TYR_194,10.27,0.0,13,0.15
 3V46,LYS_304,10.91,-0.15,0.13,0.44
 3RJZ,ARG_107,13.21,-0.3,0.59,0.41
 3T8R,ARG_68,12.32,-0.19,0,0.01
 2G5X,HIS_211,6.34,-0.91,0.57,0.18
 2PIM,ARG_103,12.49,-0.53,0.27,0.23
 4DNU,ASP_34,4.16,0,-0.01,0.37
 4F8A,ARG_591,12.74,-0.27,0,0.52
 2H8O,GLU_308,3.78,0.45,-0.61,-0.56
 3FFM,ASP_68,2.4,-1.6,-0.43,0.64
 4EVF,ARG_132,13.35,-0.32,0.75,0.42
 1JT9,GLU_83,4.44,0.22,0,-0.28
 3VJ8,GLU_83,6.72,2.83,-0.51,-0.11
 3I47,GLU_83,4.72,0.2,0,0.03
 1UXO,ASP_168,4.14,0.0,0.16,0.19
 3Q6L,GLU_110,4.88,0.34,0,0.05
 3GFP,GLU_471,4.75,0.31,0,-0.05
 4ETY,TYR_399,12.83,-0.24,0.28,2.79
 3HBY,ARG_62,12.34,-0.16,0,0
 1MHN,ASP_117,3.55,-0.66,0,0.41
 1R29,GLU_41,4.78,0.33,0,-0.06
 1OST,ARG_141,13.02,-1.27,0.92,0.88
 3GA2,LYS_235,10.39,-0.11,0,0
 2YWX,HIS_64,6.12,-0.38,0,0
 3H04,GLU_226,4.35,0.43,-0.68,0.11
 1MTZ,GLU_27,3.71,0.71,-0.77,-0.73
 2JEO,GLU_41,5.01,0.52,0,-0.01
 1CHD,LYS_157,9.47,-0.82,0,-0.21
 1L2F,GLU_228,2.48,0.82,-2,-0.84
 3U2R,ASP_75,3.42,-0.6,0,0.22
 1R53,LYS_141,11,-0.78,0.85,0.43
 3DHM,GLU_63,3.63,0.27,-0.76,-0.38
 1VJG,GLU_174,3.95,1.2,-1.67,-0.08
 1L2F,LYS_37,10.09,-0.18,0,-0.22
 3I4T,LYS_44,10.55,-0.08,0,0.13
 2QZQ,LYS_143,9.58,-0.63,0,-0.29
 1MUF,ASP_194,2.92,-1.86,-0.5,1.49
 2HRZ,TYR_173,11.62,0.41,0,1.21
 1TWU,GLU_40,3.91,0.23,-0.55,-0.28
 3RNV,GLU_403,4.64,0.12,0,0.02
 2OJQ,GLU_511,4.67,0.17,0,0
 2POY,LYS_79,9.46,-0.85,0,-0.19
 1ILW,GLU_56,3.05,0.48,-1.55,-0.38
 2QK1,LYS_360,10.62,-0.2,0,0.32
 1IDK,TYR_209,12.38,0.69,0.85,0.84
 2C13,GLU_22,5,0.27,0,0.23
 3DSH,LYS_333,10.3,-0.14,0,-0.07
 3FHF,GLU_76,4.1,0.23,-0.44,-0.18
 3T57,GLU_203,5.42,0.79,0,0.15
 2Q13,ARG_146,12.46,-0.14,0,0.1
 4F8A,LYS_574,10.08,-0.19,0,-0.23
 3HQX,GLU_51,4.55,0.17,0,-0.11
 1X9G,ARG_3,12.43,-0.11,0,0.04
 3N2T,ASP_35,3.82,-0.85,-0.43,1.3
 3UPD,HIS_-21,5.61,-0.51,0,-0.38
 2ZTY,LYS_156,10.29,-0.21,0,0
 3GE9,GLU_115,4.1,0.29,-0.24,-0.46
 2APL,TYR_75,11.1,0,0.4,0.7
 1Q46,TYR_126,13.96,0.37,3.59
 3BWT,HIS_688,5.37,-0.93,0,-0.2
 3M7G,ARG_42,12.57,-0.1,0,0.17
 1AKO,LYS_255,10.18,-0.2,0,-0.12
 1WYC,ASP_150,3.32,-0.8,0,0.33
 4YCU,ASP_126,4.07,0.03,0.22
 1FTQ,TYR_186,13.34,0.0,51,2.83
 2H8O,TYR_316,12.34,0.85,0.26,1.24
 1O9G,HIS_23,4.22,-1.59,0.29,-0.96
 2GQV,LYS_32,9.99,-0.51,0,0
 2NRR,GLU_467,4.75,0.28,0,-0.03
 3LJC,ARG_8,12.56,-0.1,0,0.17
 3PU6,GLU_115,4.73,0.22,0,0.01
 2CL3,HIS_164,6.38,-0.12,0,0
 3KV0,HIS_147,5.28,-1.31,0,0.09
 1T95,ARG_35,12.8,-0.84,0.3,0.85
 1BKR,TYR_105,10.42,0,-0.09,0.5
 2P4D,TYR_140,10.21,0,0.21
 1Y2Q,TYR_102,9.8,-0.37,-0.62,0.79
 2W0G,LYS_276,10.26,-0.24,0,0
 4DNU,HIS_235,3.31,-3.21,0.02,0
 3GV0,ARG_146,12.46,-0.24,0,0.2
 1Q2Y,LYS_139,10.76,-0.53,0,0.79
 2EJX,TYR_74,13.32,0.0,19.3,14
 3I0C,ARG_312,13.12,-0.56,0.73,0.46
 1DTO,CYS_5,9.54,-0.02,-0.01,0.57
 1UAJ,GLU_202,3.37,0.42,-0.9,-0.64
 2OB5,LYS_60,10.45,-0.2,0,0.15
 1XAW,LYS_496,10.5,-0.27,0,0.27
 3GW3,ASP_327,3.8,-0.48,-0.21,0.68
 3EGN,GLU_148,2.52,1.31,-2.33,-0.96
 1QZN,LYS_171,10.45,-0.05,0,0
 2R2Y,ASP_63,3.02,-1.3,-0.07,0.59
 3M70,TYR_8,10.98,-0.85,0.29,1.54
 1WXQ,ARG_65,13.02,-0.62,0.46,0.69
 3IL3,ASP_236,3.37,-0.83,-0.05,0.45
 3H6Q,ASP_61,3.35,-0.52,-0.05,0.12
 2PGE,CYS_194,10.77,0,0.01,1.77
 3JSN,ARG_250,13.17,-1.53,1.21,0.98
 1EYH,ARG_72,12.09,-0.52,0,0.12
 3M66,GLU_268,5.29,0.97,0,-0.18
 3ERF,TYR_22,11.26,0.51,0.0,0.74
 3EJG,GLU_1,12.27,1.02,-2.54,-0.72
 1XDZ,GLU_23,4.92,0.24,0,0.19
 3BWT,ASP_707,4.02,-0.64,0.05,0.82
 1MTZ,ASP_227,3.75,-0.15,-0.2,0.31
 3I47,ASP_242,3.91,0,-0.01,0.12
 3C6B,ASP_239,2.18,-1.66,-0.5,0.54
 2RH3,GLU_149,5.14,0.57,0,0.08
 2H2W,GLU_129,3.47,0.55,-1.01,-0.57
 3MIX,GLU_540,4.82,0.28,0,0.04
 2OJQ,ARG_649,11.48,-1.57,0,0.55
 1XDZ,HIS_125,6.73,-0.42,0.48,0.18
 2CL3,LYS_50,9.52,-1.02,0,0.24
 3M7D,ARG_288,12.68,-0.2,0.13,0.3
 1PV5,HIS_193,5.64,-2.15,0.51,0.79
 1AM2,ARG_26,12.44,-0.06,0,0
 1W24,LYS_81,10.36,-0.47,0,0.32
 1ZBS,LYS_258,10.42,-0.16,0,0.08
 1W7B,GLU_156,3.73,0.6,-0.85,-0.53
 3CNU,ASP_13,3.98,0,-0.12,0.3
 2RFA,HIS_227,6.44,-0.06,0,0

2G2D,LYS_86,10.42,-0.08,0,0
 3M7D,GLU_74,4.15,1.22,-0.69,-0.88
 2B3M,LYS_7,10.46,-0.04,0,0
 3EVZ,TYR_223,12.82,-0.01,0.04,2.78
 1TD6,GLU_284,3.89,1.16,-0.85,-0.93
 2B61,GLU_259,4.4,0.23,0,-0.33
 3BPV,ARG_110,12.58,-0.36,0.06,0.39
 1RL0,TYR_34,11.04,-0.9,0.15,1.8
 4F85,HIS_156,5.99,-0.41,0,-0.09
 2YT4,ASP_496,4.63,0,-0.17,0.99
 3GOZ,HIS_300,6.16,-0.26,0,-0.09
 1L3K,TYR_62,13.09,0,0.21,2.87
 3RE9,LYS_108,11.45,-0.55,0.85,0.66
 1OST,LYS_369,10.05,-0.23,0,-0.23
 1J33,GLU_195,4.49,0.18,0,-0.19
 3G53,GLU_47,4.55,0.23,0,-0.19
 2ILR,ASP_338,3.34,-0.73,-0.3,0.56
 1K95,ASP_102,2.82,-1.72,-0.31,1.06
 3HUE,TYR_183,10.32,0.09,0.22
 2EA9,GLU_67,4.31,0.7,-0.83,-0.06
 3FRR,ASP_93,3.7,-0.49,-0.01,0.4
 3R87,ASP_114,2.02,-2.16,-0.38,0.76
 2BLL,ASP_384,3.28,-0.82,-0.68,0.98
 1H09,ARG_172,13.06,-1.82,0.84,1.53
 1NAR,TYR_44,13.42,0.84,2.59
 1J74,GLU_75,4.68,0.29,0,-0.11
 3K8J,LYS_157,10.3,-0.23,0,0.04
 2OEW,LYS_350,10.45,-0.06,0,0.01
 3IDW,HIS_60,5.68,-0.67,0,-0.15
 3VJ8,LYS_318,10.28,-0.21,0,-0.01
 3R2E,GLU_73,3.85,0.32,-0.9,-0.08
 2QV2,LYS_45,11.42,-0.22,0.65,0.49
 1SQH,GLU_264,4.42,2.78,-1.56,-1.3
 3RNV,GLU_341,4.6,0.19,0,-0.09
 3V3T,ARG_267,12.57,-0.34,0.17,0.24
 2WB8,LYS_470,10.46,-0.04,0,0.01
 3M70,LYS_277,10.46,-0.38,0.0.34
 3PZ9,ARG_145,12.48,-0.73,0.22,0.5
 1Q46,ARG_56,12.45,-0.11,0,0.06
 1YR6,GLU_83,3.52,0.54,-0.85,-0.68
 1EV8,ARG_126,12.49,-0.06,0,0.04
 2EFK,GLU_285,4.64,0.14,0,0
 2O4D,LYS_23,10.35,-0.15,0,0
 2P65,ARG_40,12.2,-0.3,0,0
 3HKX,LYS_140,10.32,-0.23,0,0.05
 2B61,LYS_125,10.85,-0.94,0.85,0.44
 1X8F,LYS_162,10.05,-0.45,0,0
 4EUG,ASP_55,4.04,0,-0.12,0.37
 1MUF,HIS_192,6.2,-0.5,0.0.19
 1NWA,GLU_70,3.35,1.72,-2.13,-0.74
 2CL3,HIS_89,6.63,-0.21,0.01,0.32
 3O7K,GLU_166,4.75,0.31,0,-0.07
 1GQE,ARG_159,11.12,-2.67,0.19,1.1
 2EFK,GLU_142,4.05,0.26,0,-0.7
 1DUP,GLU_42,4.71,0.18,0,0.03
 3ERF,TYR_165,9.92,-0.69,-0.6,1.21
 3ETV,GLU_148,4.55,0.09,0,-0.04
 2QV2,ASP_258,3.29,-0.62,-0.31,0.42
 3EVZ,CYS_105,11.68,0.23,0.45,2
 1FQI,ARG_310,12.84,-0.88,0.76,0.45
 3P28,HIS_217,6.25,-0.28,0,0.04
 3H8Y,HIS_79,6.25,-0.25,0,0
 2IN0,ARG_88,12.33,-0.23,0,0.07
 2IRM,LYS_49,10.38,-0.62,0,0.49
 1OST,CYS_309,13.19,0.04,7,3.72
 1UCH,ASP_38,3.88,-0.19,-0.02,0.3
 1L2F,LYS_82,10.43,-0.1,0,0.02
 2Q12,ARG_121,13.94,-0.46,1.38,0.52
 3D9H,ASP_32,3.87,0,0,0.07
 1LTU,LYS_161,10.85,-0.24,0.31,0.28
 3ZXV,ARG_107,12.07,-0.43,0,0
 1FKM,LYS_452,10.29,-0.18,0,-0.03
 1YM5,GLU_203,4.56,0.06,0,0
 3A2Z,LYS_142,10.82,-0.4,0.73,0
 1YG2,GLU_43,5.02,0.78,0,-0.26
 4GCO,LYS_149,10.72,-0.25,0,0.47
 1XTZ,ASP_250,2.53,-1.57,0,0.3
 4ECC,GLU_101,3.47,0.3,-1.28,-0.05
 3BQW,TYR_86,12.11,-0.92,0.28,2.75
 2CVB,ARG_178,13.85,-0.87,0.84,1.38
 3C6B,CYS_10,10.39,0.02,9,1.1
 3M9A,TYR_81,12.21,0.77,0.45,0.98
 1T3Y,GLU_119,5.15,0.38,0,0.27
 3ODJ,LYS_185,10.15,-0.2,0,-0.16
 3B21,ASP_194,4.05,0.03,0.22
 2FZ4,ASP_96,3.8,0,-0.21,0.21
 1W24,HIS_86,7.21,-3.02,0.85,2.88
 3M70,GLU_242,4.85,0.16,0,0.2
 3CSV,GLU_59,4.52,0.1,0,-0.08
 3LQE,ARG_523,12.5,-0.25,0,0.25
 1QYI,GLU_303,4.71,0.23,0,-0.02
 1TD6,HIS_46,5.99,-0.29,0,-0.21
 3NBI,LYS_50,10.46,-0.14,0,0.1
 3NBI,GLU_11,4.91,0.46,0,-0.05
 2G70,GLU_88,4.28,0.19,-0.26,-0.14
 3ELI,HIS_73,5.83,-0.66,0,-0.01
 1XAW,GLU_473,4.19,0.34,-0.65,0
 3AUF,ARG_183,12.56,-0.54,0.17,0.44
 1Z9L,CYS_41,10.35,0,-0.03,1.39
 3FK5,ARG_28,12.72,-0.49,0.37,0.33
 1EQ6,GLU_65,5.36,1.33,-0.78,0.3
 1R5Q,LYS_33,11.54,-0.21,0.74,0.51
 2O0K,GLU_29,4.46,0.21,0,-0.25
 2R51,HIS_150,3.47,-2.05,0,-0.98
 2CL3,ASP_203,3.95,0,0,0.15
 1PDB,GLU_62,4.49,0.12,0,-0.14
 4F3J,LYS_222,10.47,-0.07,0,0.04
 3BA1,CYS_120,9.78,-0.06,1.39E-17,0.84
 1RZ2,GLU_80,4.84,1.23,-0.85,-0.04
 1UXO,ASP_49,4.02,0,-0.07,0.29
 1LN4,LYS_8,10.94,-0.34,0.19,0.6
 1TXD,GLU_785,4.48,2.06,-1.49,-0.59
 4E9E,ARG_497,12.79,-0.29,0.24,0.34
 3Q9P,LYS_141,10.54,-0.13,0,0.17
 1T3Y,ARG_91,12.09,-0.47,0,0.06
 3T57,GLU_104,4.76,0.19,0,0.07
 2IIA,HIS_44,6.37,-0.28,0,0.15
 1ZP2,CYS_214,11.96,0,-0.12,3.09
 2OPJ,ARG_259,11.57,-1.25,0,0.31
 1BYI,ARG_60,12.1,-0.43,0,0.04
 1T95,GLU_52,4.99,0.2,0,0.28
 2Q5X,HIS_776,5.96,-0.89,0.71,-0.36
 2HNG,ASP_66,3.82,0,-0.13,0.15
 2QDJ,GLU_53,4.68,1.09,-0.54,-0.37
 3HNX,GLU_34,4.05,0.35,-0.54,-0.26
 1RIS,CYS_56,11.83,-0.02,0.2,2.64
 3CX2,LYS_246,10.43,-0.15,0,0.09
 3CGW,GLU_157,4.58,0.23,0,-0.16
 2BLL,ASP_631,2.29,-1.4,-0.48,0.37
 1X7F,LYS_153,10.56,-0.12,0,0.18
 3TMO,HIS_318,6.3,-0.2,0,0
 1X91,ARG_148,12.37,-0.13,0,0
 4HDE,ASP_121,2.65,-1.41,-0.24,0.49
 1WNH,ASP_174,3.99,0,-0.02,0.2
 2V5B,ASP_79,3.93,0,0,0.13
 3SMD,ARG_11,12.27,-0.71,0,0.49
 1SUU,GLU_599,4.07,0.69,-0.65,-0.46
 2AH5,HIS_124,6.2,-0.41,0.03,0.08
 4FZR,GLU_152,4.61,1.22,-0.47,-0.62
 4FZR,GLU_332,4.95,0.76,0,-0.31
 3CAX,GLU_308,3.67,0.25,-0.7,-0.38
 4DNU,ARG_354,13.03,-0.62,0.69,0.46
 1LPL,GLU_141,4.59,0.15,0,-0.06
 2YX0,ARG_296,12.73,-0.37,0,0.59
 2F8H,ARG_248,11.41,-1.05,0,-0.04
 1S17,ARG_321,13.03,-0.66,0.84,0.35
 3JSN,TYR_18,11.86,0.85,0.6,0.41
 1AD6,LYS_427,9.92,-0.55,0,-0.03
 3CCY,ARG_19,12.84,-0.31,0.1,0.55
 2CN1,HIS_57,4.21,-2.32,0.3,-0.27
 2CN1,TYR_212,12.59,0,0.2,59
 2POL,GLU_39,5.07,1.2,-0.59,-0.04
 3MTT,LYS_503,11.15,-0.19,0.49,0.35
 3HVM,CYS_278,12.07,0.03,5,2.71
 2P52,TYR_231,13.35,0.03,3,32
 2G9D,ARG_333,12.4,-0.1,0,0
 3UAH,LYS_279,10.43,-0.16,0,0.09
 3LJC,LYS_89,10.26,-0.24,0,0
 2X4L,LYS_203,10.99,-0.61,0.65,0.45
 1NIJ,ASP_283,3.66,-0.44,0.06,0.24
 3P28,ASP_69,3.22,-0.82,0,0.24
 2IXM,HIS_248,6.98,-0.85,0.85,0.48
 1O17,GLU_64,4.54,0.15,0,-0.12
 2R57,LYS_192,10.47,-0.14,0,0.1
 3CNU,GLU_99,3.96,0.34,-0.85,-0.03
 2PWQ,ASP_114,4.03,0,0,0.23
 2Q13,GLU_364,3.73,0.4,-0.67,-0.5
 3JRT,GLU_9,3.73,0.44,-0.85,-0.36
 2PWQ,HIS_76,3.76,-3.33,0.6,0
 2GEN,ARG_6,12.91,-0.3,0.26,0.45
 3KEY,TYR_407,10.67,-0.07,-0.48,1.22
 2R4Q,ARG_257,12.79,-0.4,0.33,0.35
 3HVM,HIS_319,6.77,-1.28,0.81,0.74
 1YTD,ARG_242,12.39,-0.15,0,0.05
 2PSU,ARG_173,12.66,-0.56,0.14,0.58
 2CID,ARG_30,12.76,-0.15,0.03,0.38
 3A0X,LYS_673,11.27,-0.29,0.34,0.71
 2H2W,GLU_51,5.68,3.55,-1.7,-0.67
 2G2R,CYS_235,9.28,0,0,0.28
 2PP6,ASP_37,3.66,-0.25,-0.21,0.32
 1MIX,LYS_256,10.32,-0.18,0,0
 3IBT,ASP_69,4.2,0.04,0.36
 2O0K,GLU_255,5.36,2.5,-0.85,-0.79
 2CN1,HIS_203,7.33,-0.37,0.85,0.34
 3GFP,LYS_312,10.64,-0.1,0.0,0.24
 3HVV,ASP_236,3.91,-0.05,-0.03,0.18
 1UCH,ASP_109,3.77,0,-0.12,3.02
 2EEY,ASP_85,3.55,-0.5,-0.02,0.27
 3V75,GLU_52,3.34,0.48,-0.98,-0.66
 1Q46,HIS_4,6.52,-0.27,0,0.29
 3G9T,GLU_15,4.4,0.2,0,-0.31
 1L2F,LYS_300,10.42,-0.11,0,0.02
 3EVN,ASP_161,2.54,-1.38,-0.48,0.59
 3I0C,ARG_241,12.56,-0.3,0,0.34
 4ANN,TYR_49,10.16,0,-0.14,0.3
 1J74,GLU_59,4.07,0.34,-0.63,-0.14
 2JEO,CYS_199,12.11,-0.02,-0.33,3.46
 3GM5,ARG_81,12.22,-0.28,0,0
 3K8U,HIS_5,6.03,-0.09,0,-0.38
 2WB3,TYR_290,10.18,0,0.06,0.12
 1EQ6,LYS_101,11.47,-0.34,0.85,0.46
 2BLL,CYS_536,12.27,0,0.1,3.18
 2YYO,GLU_164,4.05,0.21,-0.67,0.01
 1V6T,ASP_151,3.73,0,-0.39,0.33
 1DGT,LYS_168,12.07,-0.47,1.7,0.34
 3UPD,LYS_35,11.25,-0.87,0.85,0.77
 2AHE,LYS_85,10.36,-0.37,0,0.23
 3EZ7,CYS_220,10.94,0.01,1.93
 2QEV,GLU_7,6.11,2.37,-0.5,-0.25
 3DTE,ARG_226,12.4,-0.1,0,0.01
 1QZN,LYS_42,10.13,-0.76,0,0.39
 2CBE,ASP_72,4.02,-1.05,0.03,1.24
 3LJC,ASP_245,3.83,0,0,0.03
 3O7K,CYS_22,10.76,-0.08,-0.11,1.95
 2QOP,GLU_67,5.77,2.97,-0.65,-1.04
 3FK5,LYS_71,9.95,-0.71,0,0.16
 2AXO,ASP_205,3.34,-0.95,-0.49,0.99
 2H14,LYS_46,10.41,-0.15,0,0.06
 2FL7,TYR_69,11.69,-0.67,0.67,1.7
 1DIO,ASP_23,3.97,0,-0.05,0.22
 3M7D,ASP_229,2.14,-1.73,-0.46,0.53
 2DVK,LYS_162,10.45,-0.16,0,0.1
 1UOH,ASP_37,2.52,-2.7,-0.29,1.69
 1DUN,TYR_4,11.73,0.85,0.38,0.5
 3ODJ,LYS_188,10.33,-0.17,0,0
 2AZL,ASP_110,3.88,0,-0.34,0.42
 1WNH,GLU_177,4.28,0.9,-0.56,-0.55
 2ZQ5,HIS_334,6.16,-0.72,0.41,-0.03
 1RHS,GLU_222,8.2,3.73,0,-0.03
 1R53,ARG_165,12.33,-1.57,0.76,0.64
 3D9H,TYR_156,10.36,0,0,0.36
 3OAT,ARG_462,12.92,-0.29,0.21,0.5
 2QOP,LYS_188,10.46,-0.42,-0.0,0.23
 2QRX,HIS_173,6.42,-0.16,0,0.08
 1RLO,LYS_129,10.28,-0.14,0,-0.07
 3QKY,GLU_266,4.63,0.34,0,-0.21
 3DHN,LYS_51,9.63,-0.52,0,-0.35
 3EVP,HIS_183,6.64,-0.29,0.32,0.11
 2IIA,LYS_8,9.32,0,-0.08,0.4
 3OOP,GLU_126,4.65,0.28,-0.13,0
 3JSN,GLU_100,4.69,0.28,0,-0.09
 3P2F,ARG_25,12.35,-0.44,0,0.3
 1SQH,ARG_134,12.73,-0.65,0.44,0.45
 1E59,HIS_170,4.86,-1.09,0,-0.55
 3A4C,ARG_481,12.5,-0.05,0,0.06
 1AKO,LYS_24,12.12,-0.98,1.7,0.9
 1WLJ,LYS_22,11.45,-0.28,0.85,0.38
 2DVK,GLU_48,4.76,0.35,0,-0.09
 3EJC,TYR_160,13.41,0.06,2,2.78
 3TMO,TYR_329,10.01,0,-0.23,0.25
 2Q34,ARG_192,12.07,-0.8,0.0.37
 2AHE,GLU_229,3.07,1.15,-2.07,-0.5
 2FM9,LYS_68,10.43,-0.08,0,0.02
 3V46,HIS_319,6.19,-0.26,0,-0.05
 3H13,ARG_397,12.73,-0.21,0.06,0.39
 2NSN,GLU_28,4.54,0.21,0,-0.17
 2PPN,ASP_37,3.03,-1.6,-0.33,1.16
 1ZBP,TYR_64,10.33,0,0.19,0.14
 4DEZ,ARG_21,12.62,-0.32,0,0.43
 2G3A,GLU_70,4.57,0.07,0,0
 1D2K,CYS_189,12.37,-0.09,-0.11,3.57
 2I88,ASP_350,4.15,-0.03,0.11,0.27
 2AH5,LYS_76,10.33,-0.46,0,0.29
 2ZQ5,ASP_240,2.6,-1.68,-0.49,0.98
 3EZ7,GLU_382,4.58,0.35,0,-0.27
 3BB7,ASP_277,3.23,-1.32,-0.35,1.1
 1X8F,ASP_123,3.95,0,-0.02,0.16
 3RFY,GLU_381,7.02,2.37,0,0.15
 3F53,TYR_259,11.0,0.12,0.88
 1N81,ARG_131,13.27,-0.8,0.7,0.88
 3G59,GLU_15,4.91,0.3,0,0.11
 3V3T,LYS_44,10.46,-0.18,0,0.13
 2WOZ,ASP_457,3.89,-0.13,-0.04,0.27
 1R7J,GLU_15,2.79,0.8,-2,-0.5
 1TXJ,LYS_100,10.48,-0.09,0,0.06
 3L3P,CYS_337,8.19,-0.78,-0.44,0.42

1V43,ARG_122,12.41,-1.15,0.36,0.7
2P1W,LYS_142,9.89,-1.54,0.28,0.65
3P28,GLU_226,4.75,0.26,0,-0.01
3B7X,GLU_136,4.74,0.7,-0.22,-0.23
3QKY,TYR_118,10.4,-0.09,-0.37,0.86
1WXQ,ARG_237,12.39,-0.17,0,0.06
2H30,ASP_151,3.09,-1.08,-0.04,0.41
1XEU,ARG_130,12.29,-0.27,0,0.07
2DG7,TYR_44,13.21,0,0.35,2.85
2R57,ASP_356,4.48,-0.46,-0.06,1.21
1YTD,ARG_37,12.15,-0.28,0,-0.07
2E3I,ASP_93,2.44,-1.49,-0.42,0.55
3I47,ASP_66,3.24,-1.05,-0.18,0.66
2AD1,LYS_9,10.15,-1.35,0,0.0
2E3C,TYR_242,11.24,0,0.19,1.06
1LFP,LYS_71,9.76,-0.28,0,-0.45
2O8I,HIS_125,6.03,-0.22,0,-0.24
3RNV,ASP_384,4.19,-0.12,-0.05,0.55
1WPA,CYS_500,10.16,0,0.06,1.1
3P29,TYR_45,12.14,-0.85,0.78,2.2
3UPD,TYR_77,10.43,0,-0.2,0.63
2Z84,ARG_215,12.15,-0.47,0,0.12
3O48,LYS_111,10.44,-0.06,0,0
3CE7,LYS_34,10.5,0,0,0
3TMO,LYS_205,10.22,-0.27,0,-0.01
2CVB,ARG_22,13.61,-1.01,1.29,0.83
2D7U,GLU_291,4.95,0.19,0,0.26
1YOY,GLU_62,3.98,0.22,-0.72,-0.02
2NMU,GLU_135,3.85,0.35,-0.8,-0.19
2FGG,GLU_81,4.7,0.2,0,0
1RI6,HIS_18,4.71,-1.83,0,0.04
3PP8,LYS_244,10.98,-0.88,0.85,0.51
2AHE,HIS_111,7.09,-0.4,0.79,0.19
2A1V,GLU_69,4.48,0.22,0,-0.24
4F8A,CYS_619,12.08,-0.54,0.18,3.44
2OKT,ASP_74,3.47,-0.64,-0.09,0.41
3LJN,GLU_170,4.98,1.39,-0.68,-0.24
3BA1,ARG_23,13.92,-0.49,1.06,0.86
2IF4,GLU_135,4.63,0.14,0,-0.01
3RKV,LYS_197,10.44,-0.15,0,0.09
1L2F,LYS_330,10.89,-0.59,0.77,0.21
3GMS,ARG_142,12.31,-0.19,0,0
2XJ4,GLU_200,3.95,0.36,-0.36,-0.55
2A6B,GLU_187,2.7,1.68,-3.21,-0.27
2BDV,ARG_175,12.07,-0.6,0,0.17
2EEY,LYS_149,9.99,-0.73,0,0.21
2R51,TYR_253,10.49,0,0.03,0.45
2YWX,TYR_137,11.31,0,0.62,0.69
3B7H,LYS_46,10.47,-0.03,0,0
1NIJ,CYS_118,9.7,0,0.09,0.61
1KCM,TYR_58,11.1,0,0.04,1.06
4EKU,TYR_118,12.9,0,0.79,2.11
3ONH,ASP_518,3.87,-0.05,0,0.12
2HRZ,ARG_307,11.34,-1.23,0,0.05
2B3M,CYS_49,9.7,0,-0.12,0.83
4EVF,ARG_151,13.84,-1.46,1.43,1.37
2OKT,TYR_301,13.34,-0.03,1.07,2.29
4DEZ,GLU_168,4.28,0.68,-0.59,-0.3
3M9A,ASP_85,3.94,0,0.14
3SMD,GLU_131,4.0,2,-0.7,0
3LOE,ASP_440,4.06,0,0,0.26
3L0D,GLU_70,4.59,0.13,0,-0.04
3B21,HIS_110,6.1,-0.38,0,-0.03
1F2V,ASP_102,2.67,-1.35,-0.38,0.6
3ELI,CYS_106,10.23,0.4,0.34,0.49
1WXF,TYR_206,10.53,0,0.08,0.45
2B0J,ASP_310,2.84,-1.55,-0.03,0.63
1X9G,ARG_126,11.85,-0.92,0,0.28
2Q13,LYS_152,10.47,-0.03,0,0
4DBX,ASP_206,2.78,-1.24,-0.24,0.46
1AK1,TYR_271,10.23,0,0.03,0.2
3FS3,LYS_199,10.05,-0.14,0,-0.32
1J8B,GLU_32,4.02,0.48,-0.32,-0.65
1QYI,LYS_189,10.6,-0.1,0,0.21
2IN0,ARG_26,12.25,-0.25,0,0
2FL4,CYS_91,11.67,0,-0.03,2.7
2O8P,TYR_39,10.35,0,0.12,0.23
3GE9,GLU_202,4.54,0.16,0,-0.11
1L2F,ASP_176,3.26,-0.81,-0.3,0.58
1ZYL,ARG_284,10.74,-3.5,0.7,1.05
1XIP,ARG_119,12.58,-0.11,0,0.19
2CVB,ASP_113,11.89,-0.69,0,0.09
3PP8,GLU_50,4.29,0.29,-0.47,-0.03
1EQ6,GLU_182,2.59,1.33,-2.68,-0.56
4ETX,ARG_435,12.43,-0.07,0,0
1S7K,HIS_167,6.99,-0.43,0.5,0.43
3K8J,TYR_225,12.08,0,0.06,2.02
2G3A,TYR_98,10.84,0,0.08,0.76
1Y2Q,GLU_87,4.76,0.17,0,0.09
2P0Y,TYR_271,10.35,0,0,0.35
2IXM,GLU_117,4.66,0.42,0,-0.26
3BCY,GLU_26,4.68,0.15,0,0.02
2F9F,LYS_147,10.61,-0.24,0,0.35
1O59,ARG_56,12.67,-0.27,0,0.44
3M3P,ARG_216,12.47,-0.21,0,0.19
1FHL,ASP_84,3.79,-1.56,0,1.55
2B0J,LYS_341,10.45,-0.21,0,0.15
2R57,ASP_204,3.93,0,-0.15,0.28
1S17,GLU_252,3.8,0.38,-0.71,-0.36
1Y0K,ARG_12,12.32,-0.27,0,0.09
3I82,TYR_185,11.81,0,0.52,1.29
2B6P,HIS_61,6.73,-0.31,0.54,0
3CO1,ASP_26,4.04,0,-0.01,0.25
3CIV,LYS_89,10.32,-0.43,0,0.25
2VGY,ARG_146,12.53,-0.48,0.02,0.5
3UAH,LYS_287,10.31,-0.28,0,0.09
2Z61,ASP_238,3.91,-0.19,0.04,0.26
3RLE,ASP_51,4.14,0,0.03,0.31
2G9D,LYS_299,10.41,-0.13,0,0.03
2AZL,GLU_143,4.97,0.98,0,-0.5
1ZB5,GLU_110,3.21,0.41,-1.53,-0.17
2AHS,TYR_130,11.18,0,0.05,1.12
1YTD,LYS_317,10.18,-0.25,0,-0.08
2Z61,LYS_74,10.33,-0.45,0,0.27
2YX0,GLU_186,4.92,0.32,0,0.09
2P65,ARG_150,13.61,-0.34,1.07,0.38
2O8P,ASP_101,4.01,0,-0.1,0.31
2YWK,ARG_22,12.34,-0.26,0,0.1
1X8F,LYS_91,11.08,-0.7,0.51,0.76
2D7J,LYS_63,11.42,-0.31,0.8,0.43
2F4Q,ASP_208,2.59,-1.66,0,0.44
3C6B,LYS_200,12.35,-0.96,1.52,1.28
3RLN,ASP_709,2.24,-2.58,-0.11,1.12
2HRZ,LYS_101,11.06,-0.25,0.4,0.41
4EKU,CYS_246,11.69,-0.06,0.07,2.68
1TUL,ARG_38,12.45,-0.05,0,0
2FL7,ARG_194,12.37,-0.3,0,0.17
3PU6,LYS_140,10.14,-0.36,0,0
3I4T,LYS_52,11.25,-0.21,0.59,0.38
3BPV,ARG_128,12.34,-0.17,0,0
2D0A,GLU_274,3.92,0.32,-0.33,-0.57
2CYG,TYR_218,12.22,0.15,2,0.08
1NAR,GLU_24,4.94,0.43,0,0
3LPZ,HIS_132,5.21,-2.09,0.81,-0.01
1FQI,TYR_404,12.16,-0.85,0.27,2.74
1WLY,GLU_208,4.82,0.28,0,0.04
2GEN,ARG_164,12.31,-0.36,0,0.17
3BB7,HIS_176,6.92,-0.88,0.85,0.45
2BQO,ASP_135,4.08,0.06,0.23
1EQ6,LYS_208,11.33,-0.37,0.85,0.35
1MN3,ARG_409,13.31,-0.33,0.71,0.43
2WB3,GLU_271,3.42,0.5,-1.58,0
1N81,ASP_111,4.06,0,-0.04,0.3
3VHJ,ASP_81,2.46,-1.64,-0.03,0.33
2FZ4,HIS_123,5.69,-0.69,0.06,-0.19
2ILR,GLU_430,4.71,0.14,0,0.07
3UAH,ASP_294,4.18,0,0,0.38
3N2T,HIS_130,2.65,-2.56,0,-1.29
3LJN,GLU_228,4.63,0.16,0,-0.03
2VC8,ARG_55,13.39,-0.16,0.66,0.39
1FQI,CYS_332,12.57,0.07,3.51
2CXA,ASP_54,3.48,-0.7,0,0.38
3RAZ,ARG_57,12.1,-0.42,0,0.02
1J33,GLU_4,4.63,0.13,0,0
3IU5,HIS_51,6.76,-0.43,0.58,0.1
1VSM,LYS_184,10.31,-0.26,0,0.07
1OIS,ARG_279,12.89,-0.51,0.37,0.52
2Q13,GLU_125,4.85,0.52,0,-0.18
3GS9,HIS_170,7.3,-0.43,0.85,0.37
1GQE,HIS_214,6.8,-0.44,0.41,0.33
1MIX,HIS_228,4.36,-2.29,0.14
3RZJ,TYR_19,11.47,0.25,0.23,1
1Q2Y,TYR_114,12.79,0.19,2.6
2PGX,ASP_7,2.44,-1.83,0,0.47
3B7X,ASP_54,4.01,0,0,0.21
1O6D,GLU_108,3.58,0.23,-0.75,-0.4
3M7G,GLU_202,4.23,0.4,-0.43,-0.24
2EYI,LYS_103,10.33,-0.54,0.36
2QRX,GLU_118,3.84,0.36,-0.81,-0.2
2X4J,LYS_136,11.39,-0.48,0.84,0.53
3CN5,LYS_33,10.54,-0.17,0,0.21
2R57,TYR_286,11.23,0.04,8,0.75
1XTD,TYR_100,9.94,-0.74,0.11,0.57
2AHE,GLU_20,4.51,0.84,-0.85,0.02
3HYQ,ARG_124,12.66,-0.74,0.02,0.87
3DTE,CYS_175,12.15,0,-0.07,3.22
1X8F,CYS_38,12.11,0,0.07,3.04
1OTM,LYS_217,10.68,-0.16,0,0.34
1JB3,ASP_29,1.31,-2.5,-0.71,0.72
3U4K,TYR_29,10.33,0,0,0.33
3EX9,LYS_69,11.08,-0.14,0.34,0.37
2AZL,GLU_182,4.91,0.32,0,0.09
2Z0W,ARG_16,12.47,-0.03,0,0
1RAJ,TYR_313,10.82,-0.8,0.42,1.2
1SBX,CYS_150,10.17,-0.17,0.04,1.31
1F2V,HIS_43,5.25,-1.05,0,-0.2
1SUU,GLU_661,4.81,1.38,-0.9,-0.17
2FBQ,LYS_151,10.44,-0.06,0,0
4H4J,TYR_144,10.29,0,-0.04,0.32
2CBE,ARG_254,11.13,-1.96,0,0.6
3L7N,ASP_44,3.75,0,-0.3,0.25
1WXF,GLU_259,4.58,1.47,-0.41,-0.98
2YWJ,HIS_15,6.22,-2.25,0.49,1.49
3O48,HIS_106,6.01,-0.24,0,-0.25
4FZN,ARG_37,12.43,-0.07,0,0
3UAH,LYS_428,10.29,-0.35,0.14
2B6P,ARG_187,10.17,-3.21,0,0.87
3M7G,GLU_215,3.91,2.49,-0.93,-2.14
2QZQ,ASP_88,3.48,-0.74,-0.15,0.56
2IRM,HIS_329,6.15,-0.26,0,-0.1
4E6S,ARG_4,12.49,-0.1,0,0.09
3CQ1,LYS_95,10.68,-0.14,0,0.32
3GE9,GLU_233,4.82,0.25,0,0.07
1R6Y,ARG_9,12.47,-0.25,0,0.23
1FKM,CYS_428,13.22,0,-0.04,4.26
4FZR,ASP_164,3.75,-0.6,-0.09,0.63
2X4L,ASP_193,3.96,0,-0.02,0.18
2F4Q,ASP_70,1.91,-2.28,-0.19,0.58
3RUX,GLU_93,3.88,0.21,-0.83,0
2Q99,GLU_263,4.51,0.11,0,-0.1
4FH3,TYR_178,13.21,-0.81,0.01,4
2B61,ARG_350,12.16,-1.19,0.08,0.77
3A7L,GLU_19,2.9,0.54,-1.41,-0.72
1XIP,CYS_93,12.81,0.64,3.17
1XKR,ASP_163,4.33,-0.28,0.01,0.78
3FS3,ARG_82,10.97,-2.11,0,0.58
3A0X,LYS_625,9.99,-0.59,0,0.08
3G9T,ARG_158,12.92,-0.9,0.75,0.56
1YM5,GLU_30,4.49,0.12,0,-0.13
2FC3,LYS_74,10.43,-0.07,0,0
3EX9,ARG_159,12.46,-0.04,0,0
1NAR,GLU_46,4.55,0.05,0,0
2FM9,ASP_64,3.94,0,-0.23,0.37
1SQW,GLU_8,2.36,0.92,-2.65,-0.4
2EFK,GLU_88,3.96,0.6,-0.73,-0.41
3Q1C,ASP_268,3.79,0,-0.14,0.13
1XB5,TYR_64,11.29,0,0.22,1.06
3UAH,TYR_499,10.42,-0.01,0.08,0.35
1O5T,ASP_205,3.91,0,0,0.11
1ZBM,HIS_58,4.51,-2.23,0.69,-0.45
3H04,ASP_54,2.97,-0.79,-0.38,0.35
1NJ4,ARG_174,13.38,-0.87,0.8,0.94
1KZL,LYS_68,10.43,-0.07,0,0
3RLE,HIS_132,7.32,-0.38,0.85,0.35
2V81,ASP_19,2.82,-1.3,-0.02,0.34
1WYC,GLU_74,5.13,0.48,0,0.15
1RZ2,ASP_88,4.25,0.14,0.31
3RJK,ARG_304,11.8,-0.54,0,-0.16
2NRR,TYR_396,9.93,-0.83,-1.02,1.77
2W0G,LYS_224,10.4,-0.43,0,0.34
1J33,ARG_10,12.41,-0.25,0,0.17
3DB9,GLU_135,4.74,0.23,0,0.01
2IDC,ASP_77,4.38,0.33,0.25
2C2Y,CYS_91,11.17,-0.16,-0.43,2.77
2V5B,ARG_221,12.59,-0.22,0,0.32
1O5T,GLU_385,4.32,0.28,-0.45,-0.01
3I47,GLU_225,4.57,0.07,0,0
2OJQ,GLU_453,4.65,0.33,0,-0.18
3BA1,ARG_249,13.94,-0.55,1.19,0.8
1QQH,LYS_71,10.45,-0.26,0,0.22
2Q99,ARG_221,12.59,-0.09,0,-0.06
2D2S,ARG_551,12.31,-0.32,0,0.12
1RZ2,ARG_243,12.15,-1.3,0,0.95
2P0Y,CYS_227,12.37,-0.91,0.45,3.84
1UXO,ASP_147,3.18,-0.63,-0.41,0.42
1QQH,ARG_156,13.67,-0.44,1.2,0.42
1WXQ,LYS_375,10.42,-0.08,0,0
1XAW,LYS_462,10.85,-0.13,0.05,0.44
1MHN,CYS_98,11.17,0.26,1.91
1SJV,ASP_89,3.25,-0.93,0,0.38
3JV1,GLU_74,4.58,0.08,0,0
3G9B,LYS_123,10.9,-0.22,0.63
2YWX,GLU_139,3.24,0.33,-0.83,-0.76
2CN1,LYS_121,10.53,-0.11,0,0.15
3M7D,HIS_200,4.68,-2.57,0.85,-0.1
3CGW,ARG_155,12.49,-0.16,0,0.15
2Q12,ARG_20,12.31,-0.27,0,0.08
3EVP,ARG_81,13.03,-0.27,0.33,0.47
2NSN,GLU_81,4.03,0.23,-0.71,0.01
2CVB,LYS_176,10.21,-0.84,0.04,0.51
3U0V,CYS_98,11.16,-0.3,-0.1,2.56
2GKG,GLU_23,3.83,0.43,-0.83,-0.26
1R3D,ARG_142,12.46,-0.55,0.59,0.32
2B78,LYS_92,10.45,-0.07,0,0.01
3CAX,ASP_332,2.32,-1.49,-0.44,0.45
1MUF,GLU_254,4.77,0.25,0,0.02

2B0A,CYS_122,12.75,0.002,3.73
 3QAV,ARG_177,11.81,-0.76,0.006
 3LPZ,ARG_84,12.85,-0.29,0.39,0.25
 3RFF,GLU_56,2.32,0.62,-2.08,-0.72
 1UW7,GLU_3,4.63,0.13,0,0
 2VGM,ASP_38,3.83,0,-0.24,0.26
 1OLR,ARG_97,12.11,-0.7,0.04,0.27
 2AD1,GLU_84,6.32,4.33,-2.52,0
 2ROS,HIS_265,4.56,-1.94,0,0
 1X7F,TYR_289,11.92,0.3,0.29,1.34
 1OLR,TYR_132,9.95,0,-0.18,0.13
 2BT8,CYS_182,9.52,-0.21,0.12,0.62
 3N2T,ASP_322,2.93,-1.14,0,0.27
 3JV1,GLU_100,4.87,0.54,0,-0.17
 1R3F,GLU_300,5.13,0.26,-0.08,0.45
 3E7P,LYS_142,10.67,-0.21,0,0.39
 3F5D,GLU_30,4.6,0.08,0,0.03
 3CAX,LYS_463,10.42,-0.09,0,0.02
 3A4C,GLU_468,4.62,0.14,0,-0.02
 1TXD,ASP_914,3.94,0,-0.08,0.22
 3TMO,LYS_219,10.78,-0.32,0.41,0.2
 3IDW,CYS_12,11.67,0.08,2.59
 1TP6,LYS_52,9.85,-0.72,0,0.07
 3HVV,ARG_265,12.4,-0.16,0,0.07
 2O8P,GLU_93,4.63,0.13,0,0
 4H86,GLU_129,4.11,0.62,-0.75,-0.26
 2XHC,TYR_173,11.51,0.03,7.114
 1ZYL,TYR_252,13.67,-0.09,0.23,3.53
 2RIK,LYS_37,11.03,-0.76,0.76,0.53
 3GE9,LYS_164,10.52,-0.12,0,0.14
 1YTD,TYR_156,11.06,0.35,1.42
 1XTZ,HIS_222,4.59,-1.42,0,-0.5
 3EJG,GLU_155,4.01,1.25,-1.68,-0.06
 1PV5,HIS_90,6.37,-0.42,0,0.3
 3M7D,ASP_75,3.21,-0.89,-0.15,0.45
 1LTU,ASP_3,3.18,-0.89,0,0.26
 1UOH,TYR_160,10.16,0.06,0.11
 1SBX,ARG_132,12.47,-0.13,0,0.1
 3IDW,GLU_33,4.68,0.29,0,-0.12
 2VGM,GLU_302,5.38,0.82,-0.11,0.16
 1E5S,TYR_258,10.44,0.04,0.39
 3AOX,ARG_627,12.72,-0.23,0,0.45
 3DB9,ASP_218,2.9,-1.43,0,0.53
 4E6S,LYS_46,10.67,-0.09,0,0.26
 1YB2,ARG_65,12.65,-0.59,0,0.73
 2Q34,LYS_235,10.57,-0.18,0,0.24
 1Y2Q,LYS_16,10.63,-0.1,0,0.23
 2CXK,GLU_73,3.6,0.67,-1.47,-0.09
 1AK1,GLU_145,4.68,0.46,0,-0.28
 1WJG,HIS_37,5.33,-1.85,0.52,0.17
 2ATR,ARG_136,12.28,-0.22,0,0
 3CSV,GLU_290,4.89,0.76,0,-0.37
 2RIK,GLU_154,4.46,0.44,-0.09,-0.39
 1W24,LYS_23,10.07,-0.47,0,0.04
 2AD1,GLU_157,4.07,0.34,-0.82,0.05
 2ZOM,GLU_19,2.96,1.25,-2.3,-0.49
 4ACJ,ASP_749,4.24,0,0.23,0.21
 3OBS,LYS_101,10.43,-0.11,0,0.03
 1NFN,GLU_70,3.1,0.48,-1.37,-0.5
 3MTT,GLU_555,4.51,0.21,0,-0.2
 3DZ1,ASP_294,3.01,-1,-0.45,0.63
 4DNU,GLU_170,3.96,0.17,-0.34,-0.37
 3LJC,TYR_22,12.92,0.05,2.88
 3DTE,ASP_132,3.15,-0.57,-0.53,0.44
 2BDV,LYS_188,10.05,-0.57,0,0.12
 2B02,GLU_390,2.89,0.52,-1.68,-0.45
 1JB3,HIS_53,6.46,-0.21,0,0.17
 2ZQ5,GLU_38,3.26,0.42,-1.52,-0.13
 3NR5,GLU_55,4.57,0.61,0,-0.56
 2OEW,ARG_70,11.67,-0.97,0,0.14
 3Q1C,CYS_325,10.51,-0.03,-0.25,1.78
 2D2S,ASP_677,2.47,-0.86,-0.69,0.23
 2QOP,ARG_13,12.33,-0.54,0,0.37
 2Z84,HIS_24,6.42,-0.08,0,0
 1DZF,LYS_171,10.44,-0.06,0,0
 1RHS,ARG_158,11.87,-0.65,0,0.02
 3GA2,GLU_225,4.09,0.65,-0.55,-0.51
 3BCH,LYS_166,10.31,-0.12,0,-0.07
 2E3S,ARG_405,11.76,-1.08,0,0.34
 3CS1,GLU_32,4.3,0.21,-0.1,-0.31
 4GCO,LYS_171,10.32,-0.17,0,-0.01
 1ES9,ARG_198,12.67,-0.37,0,0.54
 3IOO,ARG_148,11.99,-0.7,0,0.2
 3RNV,TYR_390,9.99,0,-0.14,0.14
 3CGW,GLU_84,4.06,0.96,-1.03,-0.37
 2C13,GLU_265,3.67,2.58,-2.26,-1.15
 4ETX,TYR_354,9.81,-0.01,-0.48,0.3
 3CO1,HIS_18,6.55,-0.17,0,0.21
 1RHS,ARG_205,12.36,-0.3,0,0.16
 1TXJ,LYS_2,12.63,-0.39,1.32,1.2
 1O17,GLU_97,4.84,0.23,0,0.11
 1SYJ,ARG_14,12.23,-0.38,0,0.11
 1C3K,GLU_75,4.14,0.21,-0.71,0.14
 1PGV,CYS_227,10.22,-0.07,-0.09,1.39
 2BDV,GLU_77,3.74,0.23,-0.52,-0.47
 1ZBS,GLU_129,4.71,0.16,0,0.04
 3NOK,ASP_26,3.75,-0.02,-0.19,0.16
 1S17,ASP_314,2.65,-1.64,-0.08,0.57
 1N81,LYS_200,10.47,-0.23,0,0.2
 2QED,TYR_114,5.57,2.79,-0.81,-0.91
 3ZRI,ARG_3,12.53,-0.11,0,0.16
 3IV4,TYR_53,10.21,-0.45,-0.2,0.85
 2AZL,GLU_237,4.66,0.4,-0.22,-0.02
 2CWC,ARG_133,11.49,-2.87,0.02,1.84
 3M7G,ARG_172,12.67,-0.28,0,0.46
 1RAJ,CYS_418,10.66,-0.8,0.2,46
 1RSS,ARG_78,12.28,-0.22,0,0
 2Q98,TYR_96,9.7,-0.52,0.06,0.17
 3Q1C,ASP_46,3.68,0,-0.34,0.21
 4DEZ,TYR_164,10.45,0,-0.07,0.53
 1JSX,LYS_100,10.27,-0.11,0,-0.12
 1X9G,LYS_143,10.19,-0.1,0,-0.22
 3EVN,GLU_123,6.08,5.6,-2.01,-2.01
 2FM9,LYS_228,10.64,-0.2,0,0.34
 1LZL,ARG_52,12.21,-0.48,0,0.18
 3ETU,GLU_297,4.58,0.18,0,-0.1
 3M70,GLU_247,4.4,0.27,0,-0.37
 3GG6,GLU_56,4.91,0.38,0,0.03
 1SQW,CYS_153,10.63,0,-0.12,1.75
 3GV0,ASP_222,3.77,-0.15,-0.04,0.17
 1WP5,LYS_243,10.47,-0.03,0,0
 3U0V,HIS_184,6.62,-0.71,0.42,0.42
 2Q07,ARG_343,13.56,-0.3,0.76,0.61
 3RUX,TYR_207,11.27,0.02,9.98
 1O0X,ARG_178,12.4,-0.27,0,0.17
 1TWU,TYR_112,10.24,0,0.24
 2EYL,ARG_232,12.42,-0.34,0,0.26
 3JV1,GLU_216,4.3,0.61,-0.79,-0.02
 350A,GLU_20,4.94,0.4,0,0.04
 2YXO,GLU_99,4.67,0.18,0,-0.01
 1R53,GLU_171,4.89,0.13,0,0.27
 1EW4,ARG_8,12.56,-0.12,0,0.18
 3EAZ,TYR_145,10.98,0.37,0.61
 4FH3,GLU_284,3.94,0.22,-0.32,-0.46
 3QAV,GLU_79,4.88,2.59,-1.49,-0.72
 1NWA,ASP_87,4.16,-0.85,-0.13,1.34
 3KB5,LYS_389,10.27,-0.15,0,-0.09
 1LPL,GLU_228,4.54,0.04,0,0
 3P28,GLU_224,4.71,0.22,0,0
 3NOK,GLU_116,4.67,0.11,0,0.06
 3GA2,ASP_111,3.3,-1.42,-0.22,1.15
 1T6L,ARG_28,12.36,-0.48,0.19,0.14
 1NUJ,ASP_79,3.39,-2.02,-0.36,1.98
 1ILW,GLU_161,4.46,0.19,-0.29,0.06
 3LJN,GLU_121,4.52,0.02,0,0
 1R53,LYS_212,10.44,-0.06,0,0
 1NFN,ARG_158,13.32,-0.34,0.69,0.46
 1YTD,LYS_202,10.4,-0.14,0,0.04
 1RI6,ASP_263,1.98,-2.21,-0.05,0.44
 3CAX,LYS_437,11.27,-0.31,0.43,0.65
 2P65,GLU_109,4.5,0,0,0
 1LR,ARG_343,12.11,-0.4,0,0.01
 1NWA,CYS_154,10.01,-0.54,0.21,1.34
 3IOO,GLU_145,4.26,0.31,-0.52,-0.03
 2INO,ARG_7,12.68,-0.34,0.03,0.49
 1H09,LYS_250,10.48,-0.18,0,0.17
 2ZQ5,ARG_7,12.73,-0.14,0,0.37
 3M16,GLU_78,4.5,0.62,-0.42,-0.2
 1YB2,LYS_199,10.29,-0.21,0,0.01
 3U56,GLU_54,4.6,0.28,0,-0.18
 3LMO,LYS_91,10.5,-0.3,0.01,0.29
 2YXO,LYS_259,10.31,-0.29,0,0.09
 3LOD,ARG_102,12.59,-0.4,0.49
 1SNT,ASP_131,1.18,-3.06,-0.31,0.76
 4GA2,ARG_120,12.08,-0.6,0,0.18
 1X91,LYS_65,9.98,-0.31,0,-0.21
 1YTQ,GLU_62,3.36,0.54,-1.3,-0.38
 1QSZ,ASP_540,4.12,0.08,0.24
 2EDM,LYS_198,10.4,-0.1,0,0
 1EV8,HIS_255,6,-0.53,0.5,-0.47
 3I4T,LYS_75,10.35,-0.23,0,0.08
 1MJS,CYS_393,11.55,-0.67,-0.09,3.33
 3EJC,HIS_164,6.76,-0.08,0,0.35
 2D7J,ASP_7,3.86,-0.77,-0.13,0.97
 2H30,LYS_42,10.41,-0.14,0,0.05
 2GAU,GLU_24,4.69,0.11,0,0.08
 1O59,ARG_240,12.19,-0.19,0,-0.13
 3BZT,ASP_344,4.58,0.23,0.34,0.21
 1QQE,TYR_66,11.6,0.05,9.1,01
 3O7K,HIS_42,6.29,-0.16,0,-0.05
 2R4Q,LYS_204,11.18,-0.62,0.85,0.45
 2F8H,ARG_353,12.5,-0.18,0,0.18
 1JSX,ASP_18,3.8,-0.13,0,0.13
 2B2H,ARG_111,9.78,-3.38,0,0.67
 3EVN,GLU_147,4.68,0.17,0,0.01
 2VAN,GLU_329,4.54,0.27,0,-0.25
 1HF8,ARG_139,12.27,-0.23,0,0
 4FH3,TYR_366,10.17,-0.03,-0.09,0.29
 3RE9,GLU_104,4.6,0.14,0,-0.05
 2P65,ARG_17,12.27,-0.33,0,0.1
 3A7L,ASP_68,4.38,0.26,0.32
 3JZN,ARG_169,12.97,-0.42,0.16,0.74
 3G9T,ASP_248,3.48,-1.31,-0.41,1.4
 4ANN,GLU_43,3.82,0.38,-0.76,-0.31
 3UPD,GLU_300,8.36,4.83,-1.51,0.54
 3A4C,HIS_550,6.22,-0.21,0,-0.07
 2E1H,LYS_277,10.15,-0.27,0,-0.08
 3H13,HIS_287,6.38,-0.15,0,0.03
 3CSR,ARG_147,12.69,-2.46,0.63,2.03
 3JZ9,LYS_385,10.68,-0.08,0,0.26
 2FZP,ARG_270,13.88,-0.17,1.17,0.38
 2W2S,GLU_195,4.61,0.09,0,0.02
 4F8A,TYR_666,10.16,0.04,0.12
 3G9T,GLU_23,4.32,0.25,0,-0.43
 2P5D,GLU_139,4.74,0.31,0,-0.07
 3HVV,ARG_268,12.67,-0.16,0,0.33
 2VAN,LYS_220,10.43,-0.1,0,0.03
 2QZQ,HIS_110,4.61,-1.36,0.01,-0.54
 3UPD,HIS_18,5.99,-0.14,0,-0.37
 4FCU,ASP_89,3.44,-0.77,0.12,0.29
 1MUF,TYR_123,11.79,0.04,1.1,1.65
 2OBI,ASP_165,2.16,-1.7,-0.6,0.66
 3U4K,LYS_106,10.42,-0.08,0,0
 2YXO,CYS_58,9.2,-1.82,-1.17,3.19
 3QAV,ASP_65,3.83,0,-0.07,0.1
 1RI6,GLU_197,3.78,2.55,-0.64,-2.64
 1X1E,ASP_56,4.02,0,-0.22,0.44
 3ASA,LYS_236,9.43,-0.75,0,-0.32
 1SQW,ASP_87,4.29,0.0,0.49
 2OBI,LYS_127,10.32,-0.16,-0.02
 3RLN,GLU_739,4.99,0.58,0,-0.09
 2OBI,ASP_30,3.53,-0.36,-0.32,0.41
 1ZCU,TYR_186,12.58,0.83,0.52,1.24
 3NOK,ASP_75,2.8,-1.72,-0.26,0.99
 3H9W,ARG_63,11.45,-1.34,0,0.3
 1DZF,LYS_24,10.11,-0.47,0,0.08
 3GEC,HIS_493,3.12,-3.15,0,-0.22
 1S7K,LYS_133,10.17,-0.41,0,0.07
 1R9W,TYR_329,10.05,0,-0.2,0.25
 3CS1,LYS_178,11.24,-0.24,0.59,0.38
 2P4D,LYS_53,10.27,-0.24,0,0.01
 3M7G,HIS_246,5.65,-1.67,0.83,-0.02
 3TOW,LYS_144,11.4,-0.47,0.85,0.52
 1ZYL,GLU_267,4.63,1.36,-0.62,-0.61
 2AD1,ARG_289,12.45,-0.05,0,0
 1QSZ,LYS_586,10.3,-0.35,0,0.17
 1XTD,GLU_144,4.79,0.27,0,0.03
 1O0X,HIS_174,3.43,-2.43,0,-0.64
 1V43,GLU_63,5.21,1.01,0,-0.31
 2GZQ,GLU_67,4.54,0.09,0,-0.06
 1XEU,LYS_120,10.07,-0.27,0,-0.16
 2GZR,ARG_97,12.05,-0.6,0,0.14
 3T5B,ARG_337,12.95,-0.42,0.72,0.17
 2H30,HIS_36,6.24,-0.15,0,-0.1
 1I60,TYR_100,12.47,0.05,8.19
 1DZF,ASP_182,3.52,-0.96,-0.24,0.91
 2OKT,ASP_227,3.44,-0.69,-0.02,0.34
 4F85,GLU_150,4.51,0.29,0,-0.28
 2YXO,GLU_138,2.55,0.87,-1.5,-1.33
 4ETX,GLU_363,5.18,1.01,0,-0.34
 1TD6,ASP_59,2.92,-1.25,-0.06,0.44
 1PGV,ARG_230,13.93,-0.39,1.16,0.65
 1R29,GLU_115,4.84,0.23,0,0.11
 3GFP,LYS_454,10.57,-0.11,0,0.19
 1WRU,ARG_330,12.96,-0.55,0.31,0.7
 1R5S,LYS_138,10.14,-0.9,0.53
 3MTT,ARG_539,12.32,-0.45,0,0.27
 4EKU,LYS_334,10.73,-0.32,0.09,0.46
 1MD6,GLU_86,4.67,0.23,0,-0.07
 2QVT,TYR_42,9.66,-0.67,-0.11,0.43
 1FO9,GLU_104,4.55,0.05,0,0
 3BZT,LYS_254,10.53,-0.12,0.15
 3PP8,HIS_267,6.56,-0.82,0.85,0.03
 1AM2,ASP_158,2.94,-1.17,-0.48,0.78
 350A,ASP_30,3.7,-0.59,0.05,0.44
 3IL3,GLU_218,4.56,0.86,-0.65,-0.16
 1XFK,LYS_60,10.29,-0.1,0,-0.11
 1T95,GLU_197,3.42,0.44,-1.52,0
 3COU,HIS_133,6.11,-0.39,0,0
 2B61,ARG_260,10.67,-1.66,0,-0.16
 1UAJ,ASP_44,2.07,-2.09,-0.23,0.61
 1Q46,HIS_139,4.66,-1.64,0,-0.19
 1AIL,ARG_19,12.81,-0.76,0.64,0.42
 1T3J,HIS_735,6.79,-0.19,0.49,0
 3VJ8,TYR_139,12.87,0.83,0.49,1.56
 3Q6L,GLU_117,4.16,0.43,-0.25,-0.52

1T3J,GLU_723,4.64,0.14,0,0
1GQE,LYS_302,10.61,-0.21,0,0.32
3RLE,ARG_21,12.26,-0.32,0,0.08
3BB7,ASP_261,2.76,-1.29,-0.07,0.32
2RCY,HIS_167,6.44,-1.16,1.04,0.06
3GFP,LYS_443,10.46,-0.04,0,0
2IRM,HIS_194,6.89,-0.16,0.51,0.04
1F09,ARG_380,13.34,-0.26,0.77,0.33
3VHJ,LYS_63,11.32,-0.41,0.85,0.38
1QYI,CYS_18,12.66,-1.07,1.98,2.75
2IF4,ASP_87,3.02,-1.05,-1.13,1.41
2YWX,GLU_44,3.53,0.26,-0.85,-0.38
1ES9,GLU_60,4.56,0.15,0,-0.1
2RIK,HIS_171,6.1,-0.36,0,-0.05
2C2Y,ASP_68,4.13,0,-0.58,0.91
1SUU,GLU_590,4.54,0.25,0,-0.21
2GEN,GLU_140,4.81,0.31,0,0
3ULX,ARG_109,12.38,-0.14,0,0.02
4GA2,GLU_102,5.25,1.05,0,-0.29
1OGL,ARG_267,14,-1.11,1.23,1.37
2Q34,HIS_240,4.51,-2.19,0.83,-0.63
3RLN,LYS_762,11.61,-0.47,0.83,0.76
3I47,ASP_84,4.49,-0.83,0.04,1.48
2B0J,GLU_83,4.86,0.17,0,0.2
3JSN,GLU_88,3.71,0.31,-0.85,-0.25
3CIV,ASP_271,3.83,0,-0.18,0.21
1SJJ,ARG_75,12.59,-0.32,0,0.41
2RJD,GLU_429,4.77,0.17,0,0.11
1N81,ASP_59,3.29,-0.74,-0.37,0.6
2XHC,GLU_16,4.34,0.52,-0.15,-0.53
1OOX,GLU_59,10.08,-0.42,0,0
2OJQ,GLU_547,4.59,0.09,0,0
1MIX,LYS_295,10.41,-0.92,0.47,0.35
1XFK,HIS_288,5.77,-0.32,0,-0.42
2AZL,GLU_12,4.11,0.99,-0.79,-0.58
4DNU,LYS_225,10.79,-0.22,0,0.52
2JKF,ARG_108,12.32,-0.41,0,0.23
1RWZ,ASP_209,5.04,-0.58,0.17,1.65
2YX0,LYS_30,10.37,-0.39,0,0.26
3GEC,GLU_472,4.49,0.37,0,-0.39
2RJD,ASP_418,3.94,-0.18,0,0.32
1F09,LYS_126,10.78,-0.29,0,0.57
1QQE,LYS_159,10.01,-0.89,0,0.4
2XHC,LYS_185,10.22,-0.17,0,-0.11
2NRK,ASP_64,2.01,-2.28,-0.45,0.94
1WXF,ARG_123,13.58,-0.29,0.89,0.48
2ZTY,GLU_93,4.75,0.14,0,0.12
1BKB,GLU_77,3.76,0.28,-0.74,-0.29
3FRR,TYR_173,10.40,-0.16,0.57
2R2Y,LYS_62,10.65,-0.25,0,0.4
1ILW,LYS_41,10.47,-0.19,0,0.16
2EFK,LYS_253,10.42,-0.08,0,0
3QAV,LYS_42,10.28,-0.22,0,0
2GZR,ARG_225,13.14,-0.94,0.71,0.87
2RJD,CYS_390,11.43,-0.89,-0.42,3.73
2GEN,ARG_172,12.46,-0.04,0,0
2CXA,ARG_161,12.31,-0.3,0,0.11
1WRU,GLU_34,4.38,0.56,-0.55,-0.13
3MTT,ARG_508,12.83,-0.35,0,0.68
1ANU,TYR_21,10.36,0.02,0.33
2P52,TYR_100,10.19,0,-0.02,0.22
1PBV,LYS_108,9.66,-0.89,0,0.05
1R9W,CYS_311,9.02,-0.37,-0.29,0.68
1SJJ,GLU_32,2.88,1.1,-2.01,-0.71
4FZR,ARG_214,11.96,-1.07,0.02,0.51
2IRM,TYR_366,10.43,0.31,0.12
3LPZ,LYS_150,10.53,-0.14,0,0.17
1R7J,LYS_23,10.66,-0.43,0,0.59
3O16,ARG_59,11.63,-1.01,0,0.14
3CRM,ARG_93,11.95,-0.22,0,-0.33
3EJC,ARG_118,13.31,-0.33,0.82,0.31
2GAU,ASP_30,2.9,-0.98,-0.52,0.6
1DTO,ASP_31,1.43,-2.08,-1.36,1.07
1QYI,GLU_102,4.6,0.33,0,-0.23
2OKT,LYS_65,12.3,-0.9,1.7,1.01
3H5T,GLU_342,4.62,0.18,0,-0.06
1JKS,ARG_263,12.36,-3.24,1.57,1.53
3GE9,GLU_33,5.44,2.12,-1.25,0.06
3G9T,LYS_11,10.5,-0.12,0,0.13
2O8P,ASP_66,4.12,0,-0.13,0.45
3DZ1,LYS_269,11.63,-0.4,0.74,0.78
3FFM,ASP_128,3.52,-0.58,0,0.3
1OXZ,ARG_258,12.18,-0.37,0,0.04
1QQE,CYS_140,10.98,0,-0.63,2.61
4EZB,GLU_188,4.7,0.17,0,0.04
2ZTY,LYS_19,10.54,-0.12,0,0.16
3L7N,GLU_12,7.92,3.34,0,0.09
2W2S,CYS_62,9.81,0,-0.12,0.69
3CIV,ARG_320,12.62,-0.09,0,0.21
4FZN,ASP_235,3.45,-0.71,-0.12,0.49
3V75,ASP_15,4.18,0,-0.02,0.4
3C2E,ARG_194,13.38,-0.54,0.75,0.66
2G55,ASP_57,3.78,0,-0.18,0.16
2VGM,ASP_274,4.06,0,-0.09,0.35
3R2E,LYS_106,10.44,-0.1,0,0.05
3CIV,GLU_221,4.85,0.35,0,1.39E-17
1T3J,GLU_694,2.98,0.34,-1.19,-0.67
1R16,ARG_318,13.77,-0.47,1.15,0.6
3LJN,GLU_111,4.15,0.19,-0.53,0
4DNU,GLU_158,4.84,0.13,0,0.21
1ES9,ARG_153,13.55,-0.35,0.88,0.51
1NAR,HIS_173,6.61,-1.09,0.89,0.3
3CCY,LYS_93,11.81,-0.44,0.98,0.76
2OEW,GLU_119,5.01,4.29,-2.2,-1.59
1G5Z,LYS_115,9.93,-0.34,0,-0.23
2POL,LYS_152,10.31,-0.19,0,0
2OJQ,LYS_699,10.47,-0.59,0,0.56
1YM5,TYR_278,11.97,-0.19,-0.43,2.59
3ZRI,HIS_-3,6.26,-0.24,0,0
2X4G,GLU_256,3.79,0.44,-0.77,-0.37
2D0A,TYR_247,10.55,0.26,0.29
3CJW,HIS_306,6.2,-0.22,0,-0.08
3LD1,GLU_267,4.29,0.64,-0.13,-0.72
3N0K,ASP_54,2.91,-0.81,-0.39,0.32
1D2K,HIS_92,6.76,-0.78,0.77,0.27
4DIU,GLU_208,4.77,0.24,0,0.03
3RRQ,HIS_107,6.01,-0.55,0,0.06
3HKX,ARG_22,13.06,-0.68,0.84,0.4
2YYO,HIS_69,6.58,-0.53,0.34,0.26
2Q99,ASP_220,1.84,-1.7,-0.68,0.42
3ZRI,ARG_126,13.06,-0.3,0.45,0.41
3ULX,LYS_102,10.36,-0.25,0,0.11
2H2Z,GLU_55,4.67,0.11,0,0.06
2Q99,GLU_172,4.24,1.29,-1.35,-0.21
1BKR,ASP_81,3.34,-0.72,-0.14,0.39
2Q99,ARG_18,12.56,-2.7,1.23,1.53
1IAP,ASP_133,3.48,-0.19,-0.44,0.31
1G8P,ARG_296,12.02,-0.7,0,0.22
1UCH,LYS_21,10.42,-0.13,0,0.05
1YOY,ASP_49,3.31,-0.82,0,0.33
2WOZ,ARG_532,12.67,-2.2,1.65,0.72
2R57,ARG_236,13.03,-0.47,0.79,0.22
2FZ4,GLU_30,4.29,0.48,-0.15,-0.56
1TXJ,ASP_64,3.87,0,0,0.07
2X4L,ARG_174,11.81,-1.11,0,0.41
3AUF,GLU_159,3.53,0.19,-0.81,-0.34
2R0S,ASP_220,3.44,-0.63,0,0.26
2B0J,LYS_109,10.15,-0.11,0,-0.24
3I0C,GLU_322,5.68,3.96,-1.74,-1.05
2IXM,TYR_251,10.72,-0.63,-0.25,1.6
1MTZ,LYS_98,10.14,-0.4,0,0.04
3BWT,ARG_651,12.24,-0.68,0,0.42
1ANU,ARG_100,12.57,-0.27,0,0.35
3F6M,LYS_132,11.04,-0.79,0.85,0.47
2D0A,LYS_56,10.45,-0.05,0,0
1NIJ,GLU_205,3.3,0.69,-1.29,-0.58
3PBH,ARG_54,12.24,-0.32,0,0.07
3H5T,ASP_186,3.76,-0.38,-0.03,0.37
3MIX,ARG_628,12.29,-0.32,0,0.11
2H8S,LYS_64,10.22,-0.35,0,0.06
2HZ2,ASP_263,3.57,-0.73,0,0.5
2CBE,LYS_257,11.2,-0.39,0.71,0.38
2FD5,GLU_81,3.67,0.26,-1.1,0.02
3T5B,ARG_11,11.56,-1.32,0,0.38
3ETU,CYS_80,11.78,0,0,1.2.68
1ZCU,GLU_51,4.67,0.32,0,-0.14
3EGN,LYS_466,10.37,-0.31,0,0.18
1H09,LYS_246,10.47,-0.31,0,0.29
2B0J,ARG_24,12.37,-1.76,0.47,1.15
2R0S,ASP_75,2.81,-0.75,-0.46,0.23
3MEW,GLU_173,3.96,0.41,-0.06,-0.89
1PVT,ASP_190,4.27,0,-0.18,0.65
2P5D,ARG_84,12.43,-0.07,0,0
3IBT,ARG_242,12.65,-0.36,0.04,0.47
1RAJ,GLU_247,4.43,0.25,0,-0.31
3PM2,LYS_7,10.32,-0.21,0,0.03
4DBX,ASP_7,3.91,0,-0.05,0.16
2H8S,TYR_230,10.56,0.02,0.54
3QKY,ARG_239,13,-0.74,0.77,0.46
3RE9,HIS_92,5.78,-0.69,0,-0.02
3RFY,LYS_202,11.75,-0.41,0.81,0.85
1TXD,CYS_784,10.11,0.38,0.12,0.6
1TP6,ASP_113,3.94,0,-0.03,0.16
3RVC,LYS_108,10.1,-0.22,0,-0.18
1MTZ,HIS_292,5.98,-0.73,0,0.21
3T5B,ARG_56,11.51,-1.25,0,0.27
1PVT,GLU_40,4.64,0.2,0,-0.06
3CXS,ARG_116,12.2,-0.82,0.27,0.25
2EJX,ARG_134,13.79,-1.01,1.4,0.9
1ESS,TYR_23,11.77,0.16,1.61
4FZN,LYS_215,10.05,-0.39,0,-0.07
1QQH,CYS_128,9.6,-0.24,-0.03,0.87
4DNU,ARG_346,13.4,-0.33,0.6,0.63
2D7J,CYS_148,13.23,-0.52,2.2.75
1ZKZ,LYS_78,10.63,-0.11,0,0.24
1G8P,ARG_231,13,-0.66,0.54,0.62
1UXO,HIS_59,6.22,-0.28,0,0
2VAN,HIS_135,5.12,-1.14,0,-0.24
4DEZ,ARG_178,12.25,-0.35,0,0.1
2Q98,GLU_118,3.66,0.5,-1.27,-0.07
1RL0,GLU_177,4.56,3.41,-1.18,-2.17
1YW5,LYS_59,10.39,-0.13,0,0.03
2YLF,HIS_206,6.59,-1.22,0.85,0.46
1XEU,ASP_111,3.01,-1.31,0,0.52
3EOD,GLU_89,4.58,0.08,0,0
4DVD,TYR_69,11.42,0.05,1.37
3MTT,LYS_564,10.75,-0.3,0,0.56
3CAX,ARG_193,12.17,-0.77,0,0.44
1YOY,GLU_78,5.11,0.84,0,-0.23
1UAJ,GLU_188,4.57,0.07,0,0
3CRM,TYR_270,10.83,0,0.32,0.52
2CN1,LYS_73,10.7,-0.25,0,0.46
2F4Q,ARG_286,11.88,-0.69,0,0.07
3DZ1,TYR_295,9.75,-0.15,-0.29,0.19
2AD1,LYS_148,9.45,-0.62,0,-0.42
1CHD,HIS_248,6.55,-0.83,0.82,0.07
2X4G,HIS_132,5.74,-0.56,0,-0.2
3B4D,CYS_195,10.25,0,0,1.25
15QH,ASP_19,3.14,-1.26,-0.41,1.02
2DG7,GLU_116,4.53,0.2,0,-0.18
3RFY,GLU_279,5.19,0.67,0,0.04
1LTU,ASP_154,4.54,0,0.07,0.66
4EZB,LYS_116,10.64,-0.16,0,0.3
1HF8,LYS_163,10.13,-0.39,0,0.02
3BA1,TYR_185,10.69,0,0.11,0.57
2NYC,LYS_279,10.32,-0.23,0,0.05
1J8B,GLU_19,4.75,0.25,0,0
1P4X,ASP_226,4.22,0,0.17,0.24
3GFP,GLU_353,3.84,0.24,-0.46,-0.45
3F5D,LYS_5,10.43,-0.28,0,0.21
3DSH,GLU_274,3.63,0.25,-1.12,0
3ON1,ARG_74,12.41,-0.09,0,0
1IDK,TYR_85,10.09,0,0,0.09
2GZQ,LYS_14,10.28,-0.17,0,-0.06
2AZL,HIS_80,6.81,-0.91,0.68,0.54
3MIX,GLU_328,3.75,0.22,-0.77,-0.2
1UAJ,HIS_200,6.39,-0.2,0.0,1
3ODJ,TYR_43,10.47,0,0.37,0.1
3FKS,ARG_225,12.37,-0.15,0,0.02
15JY,LYS_33,10.24,-0.42,0,0.17
3P28,LYS_158,10.37,-0.13,0,0
2XWS,LYS_45,10.25,-0.08,0,-0.17
2CWC,HIS_281,5.71,-0.88,0,0.09
3H5T,ASP_50,3.96,0,-0.16,0.31
2AH5,LYS_118,10.36,-0.15,0,0.01
1O17,ASP_66,2.12,-2.33,-0.39,1.04
3GOZ,LYS_246,10.5,0,0
1WB8,TYR_139,11.25,0.01,13.1.12
1EW4,TYR_69,10.37,-0.35,0.16,0.56
1WLJ,ARG_34,13.11,-0.48,0.62,0.48
1PBV,ARG_212,12.44,-0.12,0,0.06
3A7L,GLU_34,4.45,0.21,-0.15,-0.11
1P6F,LYS_22,10.57,-0.14,0,0.2
1R2Z,TYR_104,10.26,0,-0.08,0.34
2BV9,GLU_21,3.46,0.19,-0.85,-0.38
2CWY,ARG_89,13.19,-0.6,0.73,0.56
3NJM,ASP_28,2.7,-1.67,0,0.57
1LPL,TYR_207,10.53,0.21,0.32
4F3J,ARG_127,12.6,-0.17,0,0.28
3LQE,HIS_270,5.71,-1.21,0,0.41
2R0S,TYR_225,11.76,0,0.18,1.58
3GEC,LYS_390,10.46,-0.07,0,0.04
2FM9,ASP_212,4.45,0,-0.06,0.71
3HVW,ASP_329,3.5,-0.6,0,0.3
4E9E,CYS_549,12.46,0.08,3.38
3BWT,HIS_648,5.65,-0.71,0,-0.14
3M7D,ARG_267,13.34,0.19,-0.39,0.81,0.87
3Q2C,GLU_34,4.72,0.27,0,-0.05
2G5X,LYS_98,10.03,-0.46,0,-0.02
4EUG,GLU_95,4.65,1.72,-1.56,-0.01
2X4G,ASP_78,3.44,-0.74,-0.13,0.5
2G3A,ASP_44,3.87,0,0.07
3M9A,GLU_16,4.1,0.18,-0.41,-0.17
3B79,GLU_90,4.56,0.43,-0.42,0.06
2GAU,GLU_207,3.38,0.55,-1.14,-0.52
4FZR,GLU_381,3.78,0.4,-0.74,-0.38
1ZKZ,ASP_19,4.17,-0.02,0.13,0.27
1FQJ,GLU_294,4.71,0.26,0,-0.06
4H4J,LYS_175,10.18,-0.29,0,-0.02
2QVT,LYS_93,10.1,-0.19,0,-0.21
2GEN,LYS_7,10.3,-0.21,0,0
3EST,ASP_151,2.79,-0.84,-0.49,0.31
3G9T,ASP_42,3.97,0,0.07,0.1
4FZN,GLU_115,4.22,0.41,-0.08,-0.61
1J8S,TYR_150,10.37,0,-0.05,0.41
2CWC,ARG_85,12.51,-0.33,0,0.33

1Q5Z,ARG_656,13.98,-0.56,1.6,0.44
 1OST,TYR_212,11.46,0.064,0.82
 1L3K,HIS_119,6.46,-0.35,0.0,3
 2PGX,TYR_245,11.78,0.0,13,1.66
 3O7K,ARG_97,13.66,-0.32,1.1,0.38
 2BDD,GLU_59,4.66,0.58,0,-0.42
 2Z14,TYR_44,10.93,0,-0.06,1
 1SQH,GLU_51,4.5,0.18,0,-0.18
 1OXZ,LYS_210,11.41,-0.43,0.62,0.71
 2ZOM,ARG_10,12.49,-0.35,0.0,34
 3F53,GLU_61,4.77,0.27,0,0
 1L2F,GLU_202,4.41,0.59,-0.64,-0.04
 1V8E,LYS_19,10.39,-0.22,0.0,12
 1O9G,GLU_9,4.57,0.1,0,-0.03
 2CXA,LYS_79,10.32,-0.21,0.0,0.03
 2POY,HIS_244,4.9,-2.71,0.83,0.28
 3PM2,GLU_148,4.85,0.29,0,0.07
 2RJD,HIS_502,3.62,-3.87,0.85,0.15
 4EUG,HIS_108,5.75,-1.43,0.68,0
 1T95,LYS_56,12.51,-0.62,1.65,0.98
 1OST,GLU_455,4.19,0.28,-0.78,0.19
 3F53,ASP_55,3.43,-0.17,-0.59,0.4
 2WZ9,GLU_23,4.73,0.24,0,1.04E-17
 4AM1,GLU_147,3.83,0.27,-0.84,-0.11
 2P5D,LYS_23,10.10,-0.25,0.0,26
 1DOV,ASP_159,3.87,0,-0.24,0.3
 2QV2,ARG_285,12.03,-0.65,0.0,18
 2Q98,GLU_161,2.91,0.39,-1.48,-0.5
 2CXA,TYR_87,10.8,0,-0.03,0.83
 3T5B,ASP_123,3.93,0,0,0.13
 1ZCU,LYS_228,10.59,-0.12,0.0,21
 2OJQ,LYS_614,10.48,-0.2,0.0,18
 4E6S,ASP_76,3.35,-0.71,-0.12,0.38
 3RE9,HIS_228,6.27,-0.35,0.0,12
 2R51,GLU_169,4.57,0.07,0,0
 2JHY,GLU_109,4.85,0.19,0.0,16
 4DNU,LYS_372,9.89,-0.33,0,-0.27
 2F8H,HIS_212,6.37,-0.13,0,0
 3MIX,ASP_363,3.87,0,-0.19,0.27
 1U3Y,ASP_254,3.45,-0.97,-0.06,0.69
 1QQE,GLU_6,3.86,0.32,-0.41,-0.55
 4E6S,ARG_39,12.18,-0.32,0,0
 2AZL,GLU_121,4.54,0.24,0,-0.2
 2RFA,GLU_184,4.61,0.32,0,-0.21
 3IBT,LYS_84,11.93,-0.68,1.23,0.88
 1X6J,ASP_21,3.21,-0.83,-0.31,0.55
 3M7G,GLU_194,3.76,0.25,-0.63,-0.36
 1RZ2,LYS_129,11.26,-0.28,0.66,0.38
 2OOK,LYS_70,10.63,-0.23,0.32,0.05
 1BKR,LYS_93,10.46,-0.08,0.0,0.05
 2D2S,GLU_541,3.93,0.38,-0.85,-0.1
 2CBE,ARG_182,13.97,-0.3,1.24,0.54
 2HNG,TYR_112,10.65,0.0,42,0.23
 3JRT,TYR_71,11.89,0.85,0.4,0.63
 1OST,ARG_448,12.63,-0.47,0.07,0.53
 2FBI,ASP_108,2.96,-0.68,-0.45,0.29
 2GEN,ASP_161,3.94,0,-0.09,0.25
 2IQT,GLU_93,4.77,0.22,0,0.04
 2E3S,GLU_589,4.58,0.16,0,-0.08
 2POY,ASP_237,3.95,-0.1,-0.06,0.32
 3H13,ARG_432,12.18,-0.57,0.0,25
 3ASA,ASP_87,3.96,0,-0.21,0.38
 2RFA,GLU_249,5.05,0.56,0,0
 1UAJ,GLU_129,3.23,0.91,-1.63,-0.55
 2CIU,LYS_190,10.32,-0.28,0,0.1
 1NJ4,ASP_16,3.14,-0.65,-0.4,0.4
 3B21,LYS_207,10.24,-0.24,0,-0.02
 4FLE,GLU_135,4.12,0.54,-0.84,-0.07
 3FFM,GLU_144,4.05,0.42,-0.58,-0.29
 1R53,ARG_191,10.99,-1.88,0.23,0.13
 1Q46,LYS_145,10.66,-0.19,0,0.35
 2HP7,GLU_225,4.87,0.26,0,0.1
 4ANN,HIS_73,6.28,-0.34,0,0.12
 1H4U,ARG_580,12.59,-0.15,0.0,24
 1TXD,GLU_878,4.41,0.27,0,-0.37
 3LJC,GLU_118,4.5,0,0,0
 3GMS,HIS_268,5.9,-0.43,0,-0.17
 1A8Q,LYS_156,10.53,-0.21,0,0.24
 2B0J,LYS_151,10,-0.42,0,-0.09
 1JB3,GLU_13,3.94,0.34,-0.51,-0.39
 1S17,ARG_141,12.63,-0.45,0.09,0.5
 3ZTA,GLU_49,4.79,0.26,0.0,0.04
 2Q12,GLU_80,4.61,0.11,0,0
 3N2T,TYR_59,11.29,-0.58,-0.77,2.64
 1UOH,GLU_127,4.56,0.3,-0.22,-0.01
 2W2S,GLU_149,4.36,0.47,-0.56,-0.04
 3IU5,ASP_83,4.02,0,0,0.22
 1RR2,TYR_94,12.26,-0.72,0.16,2.83
 1NRI,LYS_239,10.06,-0.2,0,-0.24
 3RFY,ARG_108,12.1,-2.28,0.14,1.74
 1Q2Y,LYS_88,10.29,-0.16,0,-0.04
 1FQI,GLU_330,4.36,1.1,-0.76,-0.47
 3MIX,TYR_418,10.22,0.0,11,0.11
 3VJ8,LYS_358,10.5,-0.33,0,0.33
 1MHN,ASP_140,3.59,-0.51,0.0,3
 2R57,ASP_178,4.13,0.0,15,0.18
 1Q8B,TYR_54,10.34,0.0,0.05,0.29
 1GPP,LYS_53,11.06,-0.28,0.58,0.26
 1XTZ,ARG_101,12.39,-0.11,0,0
 2A4D,LYS_184,10.57,-0.13,0,0.2
 1WYC,GLU_143,3.23,0.68,-1.39,-0.56
 1PGV,LYS_388,10.45,-0.05,0,0
 3F53,LYS_70,10.59,-0.24,0.33,0
 2YLF,CYS_203,12.64,-0.14,0.04,3.74
 3COU,GLU_173,3.7,0.65,-0.81,-0.63
 2B0J,ASP_77,3.67,-0.22,0,-0.11,0.2
 3ONH,ASP_532,3.98,-0.07,-0.07,0.32
 3C5V,GLU_75,4.57,0.12,0,-0.05
 2GOV,GLU_58,4.01,0.27,-0.76,0
 2B0A,TYR_90,11.36,0.0,51,0.85
 1RLO,ASP_228,3.37,-0.22,-0.56,0.35
 3DSH,HIS_233,6.21,-0.29,0,0
 2E3C,ASP_433,3.8,0,-0.3,0.3
 1LTU,ASP_252,4,0,-0.21,0.41
 1DVO,LYS_176,9.84,-0.66,0,0
 3CGW,LYS_291,11.38,-0.43,0.83,0.47
 2V4X,GLU_94,4.85,0.32,0,0.03
 1S17,ASP_32,3.75,-0.48,-0.24,0.66
 3BCY,LYS_110,10.27,-0.42,0.0,19
 2FBQ,LYS_34,10.37,-0.32,0,0.19
 1PSW,GLU_337,4.28,0.22,-0.39,-0.06
 1OGL,ASP_223,2.7,-1.17,-0.78,0.85
 1V43,GLU_12,3.66,0.34,-0.76,-0.42
 3CCY,CYS_74,11.54,-0.01,-0.09,2.64
 1BGF,ARG_87,13.03,-0.37,0.59,0.31
 1G5Z,LYS_122,10.59,-0.3,0,0.39
 2WOZ,TYR_545,12.12,0.0,17,1.95
 3M9A,ASP_71,4.25,0.0,0.09,0.36
 1R3F,TYR_68,10.59,-0.43,-0.29,1.3
 1ANU,GLU_115,4.79,0.14,0.0,14
 2H14,TYR_252,12.71,0.0,0.07,2.64
 1YDL,HIS_42,6.55,-0.38,0,0.43
 2POY,CYS_296,11.16,-0.07,-0.03,2.26
 1PVT,ARG_68,12.22,-0.26,0,-0.02
 3AU3,ARG_657,13.06,-0.31,0.51,0.36
 1ZBS,ARG_128,13.04,-0.25,0.2,0.6
 2V1L,HIS_10,6.24,-0.26,0,0
 2FZP,TYR_275,13.83,0.0,51,3.32
 4FZR,LYS_247,11.46,-0.27,0.85,0.38
 2PGX,LYS_213,10.31,-0.19,0,0.01
 1WP5,GLU_227,4.61,0.11,0,0
 1PDB,LYS_155,10.84,-0.3,0.17,0.48
 3AU3,TYR_622,11.79,0.66,0.38,0.75
 2APL,LYS_2,10.5,0,0,0
 1OOX,LYS_69,10.34,-0.16,0,0
 1FKM,TYR_412,12.32,0.0,0.08,2.24
 3ULX,TYR_94,10.51,-0.01,-0.09,0.61
 2POY,TYR_131,10.77,0.0,0.06,0.72
 3HNX,ASP_91,3.95,0,-0.22,0.38
 2C13,ARG_44,12.35,-0.28,0.0,12
 1TLV,LYS_143,10.83,-0.49,0.12,0.7
 3AU3,ASP_459,2.64,-1.11,-0.49,0.44
 4DNU,HIS_183,2.55,-3.07,0.16,-1.03
 3ONH,LYS_440,10.45,-0.1,0,0.05
 3EVP,HIS_112,5.17,-2.08,0.84,-0.1
 1A8Q,TYR_67,12.01,-0.85,0.35,2.51
 3EVZ,LYS_215,11,-0.63,0.51,0.63
 3ASA,GLU_323,4.18,0.53,0,-0.85
 3ASA,TYR_301,12.02,0.0,49,1.54
 4DIU,LYS_7,10.16,-0.34,0,0
 4HDE,ASP_135,2.8,-1.36,-0.02,0.37
 3H5T,HIS_307,6.42,-0.15,0.0,0.06
 3LH5,ARG_690,12.68,-0.19,0.0,36
 1SQH,GLU_108,3.49,0.39,-0.85,-0.54
 3BCH,ARG_63,12.21,-0.29,0,0
 1R53,GLU_182,4.62,0.1,0,0.01
 1YTD,GLU_370,4.68,0.09,0,0.09
 3OIP,HIS_208,6,-1.5,0.92,0.09
 1QQE,GLU_101,4.46,1.08,-0.59,-0.54
 3N2T,ASP_168,2.95,-0.83,-0.48,0.46
 3OIP,LYS_215,10.45,-0.11,0,0.05
 1RI6,CYS_216,11.05,-0.73,0.9,1.88
 2VGM,ASP_180,3.69,-0.48,0,0.37
 2F4Q,GLU_257,4.82,0.33,0,0
 1T95,TYR_32,11.68,0.85,0.37,0.46
 3LMT,TYR_22,10.26,0,-0.04,0.3
 3IL3,ASP_260,2.53,-1.54,0,0.27
 1LZL,ASP_25,3.95,-0.36,0.13,0.38
 1XFK,ARG_14,13.52,-0.17,0.75,0.43
 2RFA,HIS_185,6.82,-0.53,0.8,0.06
 1ZP2,LYS_210,10.32,-0.34,0.0,17
 4AM1,HIS_227,3.91,-3.23,0.64,0
 1ZCE,LYS_45,10.66,-0.2,0.0,36
 2EFK,GLU_283,4.56,0.06,0,0
 1QQE,GLU_262,4.57,0.22,0,-0.15
 2NRR,LYS_397,10.98,-0.13,0.23,0.37
 1T07,CYS_7,7.58,-3.05,-0.13,1.76
 2D7U,LYS_111,12.01,-0.5,0.87,1.14
 4H89,ASP_13,3.74,-0.11,-0.12,0.17
 2POY,ARG_65,12.13,-0.37,0,0
 2OEW,ASP_328,4.12,0.0,0.09,0.23
 1UW7,ASP_26,3.86,-0.38,0.04,0.4
 3RVC,GLU_152,4.36,0.23,-0.34,-0.03
 1WPA,ARG_429,12.96,-0.43,0.15,0.74
 4H4J,HIS_111,4.2,-2.61,0.66,-0.35
 2GEN,GLU_69,3.87,0.26,-0.57,-0.32
 1R3F,GLU_157,3.74,0.29,-0.53,-0.52
 2Q13,LYS_270,10.38,-0.12,0,0
 1E5S,LYS_25,9.81,-0.72,0,0.02
 2V81,CYS_81,11.16,-0.75,0.1,2.81
 2G5X,ARG_56,12.26,-0.25,0,0.01
 3BQW,GLU_152,3.96,0.61,-0.59,-0.55
 2H2Z,ASP_153,4.08,-0.76,-0.2,1.24
 3E7P,GLU_33,3.09,0.66,-1.62,-0.45
 2F17,ASP_60,2.69,-1.98,-0.01,0.89
 2F4Q,CYS_270,12.14,0,-0.02,3.17
 3G59,GLU_34,5.02,0.52,0,0
 1W7B,LYS_313,10.49,-0.24,0,0.23
 3M7G,GLU_74,4.58,1.22,-0.3,-0.84
 1TD6,LYS_254,11.31,-0.5,0.85,0.46
 4H86,LYS_7,11.05,-0.36,0.53,0.38
 3O48,ASP_5,2.77,-0.82,-0.38,0.18
 4EVF,TYR_173,10.93,-0.35,-0.21,1.49
 3TIR,LYS_196,10.66,-0.67,0.16,0.67
 2QV2,CYS_212,10.74,-0.39,0.1,2.03
 1R3F,GLU_61,4.37,0.57,-0.23,-0.47
 3V55,HIS_681,6.06,-0.27,0,-0.17
 3IV4,GLU_59,4.94,0.41,0,0.03
 3G9T,GLU_34,3.65,0.92,-1.6,-0.17
 3LJC,LYS_147,10.35,-0.12,0,-0.04
 1JKS,CYS_30,11.16,-0.13,0.08,2.2
 2CVB,LYS_78,10.78,-0.21,0,0.48
 3RJK,TYR_69,11.93,0.0,56,1.35
 1RHS,TYR_164,10.76,0.0,0.03,0.73
 1H09,TYR_41,9.68,-0.85,-0.09,0.63
 1YLN,HIS_214,6.32,-0.17,0,-0.01
 2Z61,ASP_81,3.97,0,-0.17,0.34
 3R2E,ARG_68,12.29,-0.21,0,0
 3EVP,HIS_94,2.14,-3.6,0.71,-1.47
 3FRR,ASP_42,3.8,-0.01,-0.37,0.38
 3PP8,GLU_256,4.02,1.72,-1.54,-0.65
 2G9D,LYS_171,10.23,-0.34,0,0.07
 2FL7,LYS_42,10.31,-0.19,0,0
 3UPD,TYR_255,11.44,0.0,27,1.17
 2X5Y,HIS_734,6.25,-0.31,0,0.06
 1DTO,GLU_142,3.81,0.13,-0.82,0
 3TIR,HIS_90,5.9,-0.72,0.0,12
 1JKS,LYS_86,10.19,-0.07,0,-0.14
 3REF,GLU_91,4.18,0.89,-0.94,-0.27
 4D8L,ARG_242,11.54,-1.58,0.0,63
 2WOZ,ASP_415,3.12,-1.16,-0.48,0.97
 3DB9,ARG_163,12.79,-0.59,0.45,0.43
 2Z61,LYS_53,10.85,-0.17,0,0.52
 1BKR,ASP_47,1.91,-1.92,0.48,0.51
 3ONH,ASP_493,4,-0.13,0.03,0.31
 1ZKZ,LYS_53,10.45,-0.05,0,0
 2W1R,ASP_92,3.83,0,-0.29,0.32
 1ZCE,ARG_38,11.86,-0.6,0,-0.04
 2G2D,GLU_152,4.61,0.11,0,0
 3HOX,GLU_95,4.76,0.44,0,-0.18
 1WXQ,ASP_202,2.86,-1.48,0,0.53
 3GYW,LYS_81,10.36,-0.14,0,0
 2G9D,ASP_243,5.36,-0.09,-0.23,1.89
 2WOZ,GLU_559,4.59,0.09,0,0
 1CBY,TYR_169,12.79,-0.31,0.04,3.06
 1P6F,GLU_36,3.19,0.68,-1.29,-0.71
 2Q98,ARG_192,11.95,-0.59,0.0,0.04
 2OSA,TYR_346,13.73,0.0,28,3.45
 1SJK,GLU_56,3.74,0.66,-1,-0.41
 3ZTA,HIS_75,6.65,-0.17,0,0.33
 2IF4,TYR_221,12.09,0.85,0.65,0.59
 3G59,GLU_282,4.5,0,0,0
 3CO1,TYR_124,13.17,0.62,0.63,1.93
 1W24,GLU_71,3.39,0.37,-0.91,-0.57
 1WYC,ARG_182,13.42,-1.06,1.44,0.54
 4EZB,GLU_11,4.55,0.13,0,-0.07
 1OXZ,GLU_275,4.58,0.08,0,0
 1CHD,TYR_226,11.54,-0.84,0.14,2.23
 2RIK,LYS_131,11.02,-0.76,0.66,0.62
 2Z61,LYS_80,10.44,-0.51,0,0.45
 1ZBP,CYS_42,12.64,0.0,16,3.47
 2POL,ASP_249,4.27,0,0,0.48
 2OJQ,GLU_527,4.6,0.1,0,0
 1RI6,ARG_250,9.87,-3.2,0.45,0.11
 4FLE,GLU_35,3.76,0.34,-0.64,-0.44
 1WXF,TYR_174,10.04,0,-0.28,0.32

3M7D,ARG_187,12.27,-0.34,0,0.12
2QZQ,CYS_122,12.44,-0.07,3.5
2AH5,ASP_109,3.4,-0.55,-0.5,0.65
2Z84,ARG_185,12.38,-0.42,0,0.3
2O4D,GLU_119,2.77,0.68,-1.93,-0.48
2R2Y,TYR_22,10.12,-0.15,-0.15,0.42
3B7X,ASP_69,3.6,-0.37,0,0.17
2CXK,ASP_113,4.05,-0.24,0.03,0.46
3GFPLYS_341,10.33,-0.17,0,0
1QQE,GLU_146,5.44,0.66,0,0.28
2BLL,GLU_579,5.02,0.46,-0.07,0.13
1PGV,GLU_259,4.55,0.18,0,-0.13
1J33,GLU_43,4.13,0.28,0,-0.65
3KB5,GLU_407,4.19,0.25,-0.16,-0.39
3AU3,LYS_455,10.92,-0.17,0,1.048
1T95,ARG_106,12.11,-0.7,0,0.31
2PGE,ASP_144,2.75,-0.86,-0.5,0.32
1RHS,ARG_175,11.69,-0.97,0,0.16
2G2D,ARG_91,12.55,-0.98,0.55,0.48
3TIR,CYS_192,10.15,-0.22,-0.26,1.63
1X04,LYS_34,10.53,-0.2,0,0.23
2QZQ,LYS_40,10.59,-0.37,0,0.47
1JB3,ARG_43,12.41,-0.22,0,0.13
1SBX,ARG_96,12.71,-0.14,0,0.35
3BJG,LYS_54,10.4,-0.08,0,0.07
3LQE,GLU_338,4.59,0.35,0,-0.25
3RKV,HIS_260,6.85,-0.29,0,0.64
1ES9,HIS_28,6.12,-0.38,0,0
1NRI,GLU_120,5.29,0.73,0,0.06
4H89,GLU_129,3.81,0.32,-0.82,-0.19
3M7G,ARG_37,12.28,-0.6,0,0.38
1WP5,HIS_320,6.44,-0.11,0,0.05
1GQE,GLU_93,4.68,0.14,0,0.05
4ESS,GLU_102,4.68,0.37,0,-0.19
3ERF,ASP_157,3.32,-0.32,-0.52,0.36
1V43,ARG_182,12.91,-1.13,0.78,0.75
4F3J,GLU_112,4.06,0.26,-0.69,-0.02
3F5D,LYS_80,9.68,-0.44,0,-0.38
3I00,GLU_197,5.33,3.76,-1.8,-1.14
1HUF,LYS_53,10.75,-0.22,0,0.47
2OJQ,LYS_640,10.37,-0.1,0,-0.03
1ZHV,GLU_43,4.69,0.31,0,-0.12
3C5V,ASP_65,4.03,-0.82,-0.37,1.42
1OGL,LYS_109,10.84,-1.09,0.85,0.58
2RIK,LYS_226,10.48,-0.04,0,0.02
3AU3,GLU_538,3.13,0.81,-1.92,-0.25
1MD6,CYS_69,10.79,-0.85,0,2.64
2HRZ,LYS_127,10.56,-0.34,0,0.4
3V46,ARG_310,11.93,-1.09,0.03,0.49
2YT4,CYS_657,9.84,-0.85,0.02,1.67
1XIP,LYS_48,10.26,-0.56,0,0.31
1GPP,TYR_179,10.02,-0.17,-0.2,0.39
1YIB,ASP_209,3.9,0,-0.16,0.26
3M7G,TYR_5,9.25,-0.78,-0.82,0.85
3CBN,GLU_74,4.56,0.22,0,-0.16
3COU,GLU_79,4.53,0.7,-0.39,-0.28
1X91,ASP_9,2.9,-0.89,-0.38,0.37
2R51,GLU_157,4.48,0.38,0,-0.39
1OTM,HIS_151,6.62,-0.68,0,0.8
3G9T,ARG_14,12.19,-0.46,0,0.15
2P5D,ARG_93,11.41,-1.64,0,0.55
1WRU,TYR_150,10.9,0,-0.07,0.97
2QDJ,TYR_321,13.24,-0.79,1,3.03
3QAV,LYS_159,10.25,-0.25,0,0
3JRT,LYS_2,10.4,-0.17,0,0.06
2OKT,LYS_140,10.38,-0.26,0,0.13
2B61,LYS_293,10.19,-0.37,0,0.06
2Z84,TYR_55,12.35,-0.79,0.27,2.87
3RJZ,TYR_150,10.2,0,0,0.2

1R5S,GLU_146,4.86,0.23,0,0.12
2AZP,HIS_217,6.43,-0.18,0,0.1
3MIX,LYS_579,10.5,-0.22,0,0.22
2IRM,ARG_104,12.65,-0.34,0.09,0.4
3KVO,GLU_176,4.66,0.14,0,0.02
1ZBM,TYR_152,10.68,-0.04,0.22,0.5
2GZQ,LYS_60,10.58,-0.26,0.01,0.33
4HDE,GLU_195,2.94,0.36,-1.36,-0.55
1Y0K,ARG_166,12.38,-0.2,0,0.08
2RIK,LYS_224,11.25,-0.79,0.85,0.69
3EST,LYS_136,10.28,-0.3,0,0.08
3N2T,LYS_75,11.34,-0.39,0.85,0.38
3LJC,ARG_214,12.41,-0.26,0,0.17
1R5Q,HIS_57,4.97,-1.73,0,0.2
2Q13,GLU_10,4.63,0.16,0,-0.03
3QAV,TYR_118,11.47,0.55,0.39,0.53
2XWS,LYS_100,11.19,-0.35,0.55,0.49
2ZQ5,HIS_117,4.95,-2.52,0.78,0.19
3I4T,GLU_12,4.5,0.53,-0.69,0.16
3ERF,ARG_154,12.54,-0.11,0,0.14
3BB7,ASP_184,3.3,-0.79,-0.09,0.38
1UXO,HIS_128,5.22,-0.87,0,-0.41
3PZ9,TYR_332,12.28,-0.82,-0.62,3.72
2W0G,CYS_194,11.31,-0.94,0.03,3.22
1YM5,LYS_16,10.46,-0.09,0,0.04
3AUF,ARG_48,12.38,-0.35,0,0.23
1O0X,LYS_23,10.54,-0.27,0,0.3
3HYQ,ARG_83,13.11,-1.11,0.82,0.9
2FBI,GLU_48,4.8,0.3,0,0
3V75,HIS_57,5.7,-0.61,0,-0.18
1LPL,LYS_175,10.39,-0.15,0,0.04
2NRR,ARG_395,12.03,-0.74,0,0.26
2PGE,ARG_36,12.47,-0.51,0,0.49
1MML,TYR_146,11.15,0.23,0.92
3V3T,GLU_300,4.97,0.19,0,0.27
3M7G,ARG_76,13.7,-1.5,0.73,1.98
2OEW,ASP_59,3.78,-0.24,-0.39,0.61
2V1L,GLU_27,4.68,0.21,0,-0.02
1AD6,TYR_446,13.69,0.2,3.48
3EZ7,LYS_375,9.97,-0.31,0,-0.22
2JHY,LYS_105,10.47,-0.2,0,0.17
3H6Q,GLU_14,4.7,0.29,0,-0.09
1M5I,LYS_167,10.39,-0.12,0,0.01
3AUF,GLU_74,4.57,0.15,0,-0.08
2YX0,ARG_56,12.59,-0.22,0,0.31
1YTQ,GLU_105,4.86,0.28,0,0.07
2H2Z,GLU_166,3.84,0.36,-0.69,-0.33
2B61,ARG_295,13.64,-0.5,0.78,0.86
4FZR,ARG_2,12.51,-0.45,0,0.46
1WLJ,LYS_188,10.58,-0.16,0,0.23
1MIX,CYS_336,10.4,-0.69,0.37,1.72
3U0V,CYS_174,13.88,0.95,3.93
1MJS,TYR_296,11.6,0.85,0.13,0.61
4DIU,ASP_236,3.91,-1.04,-0.49,1.64
2RGY,ARG_238,12.49,-0.86,0.48,0.37
1RHS,GLU_285,4.07,0.28,-0.7,-0.01
3M9A,LYS_79,10.59,-0.32,0.26,0.15
1ZBM,GLU_135,4.03,0.39,-0.5,-0.37
2Z0W,ASP_53,2.57,-1.59,0,0.36
1UCH,ASP_198,2.92,-0.63,-0.7,0.45
1JSX,GLU_126,4.59,0.12,0,-0.04
1X04,GLU_97,4.41,0.2,0,-0.29
1Z9L,LYS_17,10.35,-0.51,0,0.36
1MTZ,LYS_157,11.06,-0.5,0.85,0.21
2R57,ARG_238,13.92,-0.49,1.42,0.48
1SUU,LYS_577,10.57,-0.14,0,0.21
3M16,LYS_71,10.12,-0.38,0,0.3
1OXZ,LYS_206,10.39,-0.32,0,0.22
2V5B,ARG_193,13.58,-0.34,1,0.42

2Q13,GLU_69,3.99,0.28,-0.58,-0.21
2OGQ,ASP_371,2.42,-1.08,-0.48,0.17
2FBI,ARG_89,12.91,-0.25,0,0.66
3CE7,GLU_68,4.38,0.67,-0.85,0.05
1X7F,ASP_291,3.72,0,-0.3,0.21
3J5N,GLU_238,4.49,1.25,-1.42,0.17
2AOJ,GLU_141,3.23,0.42,-1.66,-0.03
3BPV,HIS_58,6.27,-0.26,0,0.03
2PPN,TYR_82,11.02,0.11,0.91
1FQI,TYR_401,11.84,0.18,1.66
3BPP,GLU_134,4.67,0.31,0,-0.14
1L2F,GLU_124,4.7,0.18,0,0.02
3F6M,HIS_125,6.89,-0.19,0.13,0.45
2H2W,GLU_206,4.51,0.01,0,0
4AM1,GLU_335,5.31,3.15,-1.55,-0.79
1OST,TYR_316,10.41,0.0,1.0,31
3C5V,GLU_124,3.82,0.44,-0.97,-0.14
2EA9,LYS_46,10.48,-0.07,0,0.05
3IVF,GLU_182,3.93,0.81,-1.17,-0.21
3BA1,LYS_25,10.29,-0.21,0,0
2PLQ,HIS_3,6.61,-0.73,0.83,0.01
2D25,ASP_736,2.85,-0.96,-0.38,0.4
1SFE,HIS_147,4.31,-3.05,0.85,0.01
1TR9,GLU_19,4.66,0.13,0,0.03
1R6Y,HIS_80,5.45,-1.05,0,0
2EDM,LYS_119,10.15,-1.14,0.43,0.35
2Z0M,ASP_260,3.71,-0.17,-0.27,0.35
2FD5,GLU_57,3.44,0.85,-1.49,-0.42
3ETU,LYS_331,10.98,-0.15,0.25,0.38
1OST,LYS_277,10.67,-0.38,0,0.55
2ZCO,TYR_131,11.76,-0.19,0.48,1.48
3H04,GLU_241,4.81,0.84,-0.14,-0.39
2E3H,LYS_238,10.46,-0.04,0,0
3ANJ,ARG_356,11.71,-0.99,0,0.2
3H04,GLU_80,4.96,0.38,0,0.07
3LH5,ARG_762,12.18,-0.46,0,0.14
3E0H,LYS_96,10.72,-0.24,0,0.45
1O0X,CYS_73,13.37,-0.94,1.57,3.74
2RJD,ARG_478,13.04,-0.97,0.41,1.11
1ZP2,CYS_87,11.53,0.22,2.31
1LN4,LYS_48,9.86,-0.62,0,-0.01
2QV2,GLU_153,4.76,0.26,0,0
3Q56,ASP_35,3.3,-0.89,0.39
1SIG,ARG_436,12.61,-0.41,0.21,0.3
3NBI,TYR_151,9.91,0,-0.24,0.15
2OEW,LYS_239,10.75,-0.11,0,0.35
3LPZ,LYS_157,10.62,-0.15,0,0.28
2Q07,TYR_398,10.79,0,-0.08,0.88
2AHE,GLU_183,4.53,0.26,0,-0.24
2HRZ,GLU_320,3.41,0.52,-1.23,-0.38
2EFK,ASP_144,2.86,-0.85,-0.73,0.64
3G53,ARG_174,12.85,-0.66,0.64,0.37
2BDV,GLU_53,3.9,0.39,-0.64,-0.35
1SQH,ASP_169,3.93,0,0,0.13
3DTE,LYS_190,10.31,-0.18,0,-0.01
2RGY,GLU_251,4.13,0.33,-0.91,0.21
1LN4,GLU_45,2.31,1.21,-3.13,-0.28
3DB9,CYS_65,12.24,0.0,13.3,11
3GYW,CYS_133,11.37,-0.01,-0.25,2.63
3NOK,ARG_135,12.16,-0.34,0,0
2F9F,ARG_60,13.42,-0.22,0.8,0.34
3PBH,TYR_177,10.58,0.26,0.31
3KB5,ARG_369,12.59,-0.49,0,0.58
3KB5,GLU_315,4.87,0.76,0,-0.39
3V55,LYS_648,10.41,-0.31,0,0.22
3UPD,LYS_43,10.47,-0.25,0,0.22
1DZF,ASP_84,4.24,0,-0.37,0.8
1YM5,GLU_142,3.54,0.99,-1.57,-0.38
2CVB,ARG_116,12.13,-0.57,0,0.19

1A8Q,ARG_151,12.08,-0.49,0,0.08
1EV8,HIS_32,5.36,-1.05,0,-0.08
2AHE,LYS_212,10.44,-0.06,0,0
3RKV,ASP_239,2.84,-1.69,-0.56,1.29
2FG1,LYS_7,10.44,-0.07,0,0.02
1YG2,ARG_161,11.95,-0.69,0,0.14
1JT9,ARG_2,13.2,-1.08,1.25,0.53
3ETU,GLU_146,4.46,0.23,0,-0.27
3G9G,ASP_145,3.99,0,-0.08,0.28
3R2E,GLU_77,3.23,0.51,-1.41,-0.37
3RFF,CYS_6,12.21,0,-0.03,3.24
2ZCO,ARG_158,13.57,-0.89,0.84,1.13
3IVF,LYS_256,10.39,-0.14,0,0.02
1O9G,ARG_158,12.49,-0.06,0,0.04
3PBH,LYS_62,10.43,-0.07,0,0
2B0J,HIS_88,5.24,-2.16,0.81,0.09
2YYO,CYS_109,13.12,0,0,4.12
1BKV,ARG_49,12.51,-0.25,0,0.27
2QEV,GLU_31,4.16,0.36,-0.69,0
1YLN,GLU_87,4.01,0.33,-0.63,-0.19
2X4L,GLU_188,4.77,0.3,0,-0.02
4HDE,ASP_54,3.53,-0.99,-0.24,0.95
3COU,ASP_132,4.5,-0.42,0.03,1.09
4H89,ASP_64,2.66,-1.57,-0.14,0.57
3EVZ,GLU_118,2.86,0.49,-1.47,-0.65
2OBS,ARG_114,12.99,-0.25,0.2,0.54
2CL3,LYS_73,10.56,-0.3,0,0.35
3DHN,ASP_54,2.67,-1.38,-0.07,0.32
1BKR,HIS_89,6.45,-0.2,0,0.16
3CS1,ARG_154,12.52,-0.33,0,0.35
1ZKZ,LYS_30,10.48,-0.06,0,0.04
1ESS,ARG_320,6.44,-0.11,0,0.05
2RGY,LYS_207,10.25,-0.15,0,-0.1
3FFM,GLU_109,4.59,0.09,0,0
2ZCX,ASP_99,3.83,0,-0.34,0.38
1TD6,LYS_187,11.16,-0.2,0.52,0.34
1DXO,ARG_165,13.14,-0.32,0.42,0.53
1XKR,GLU_170,4.45,0.23,0,-0.28
3GEC,ASP_529,3.46,0,-0.68,0.35
1SQW,HIS_112,5.7,-0.66,0,-0.14
2BDD,LYS_118,10.76,-0.21,0,0.47
1OIS,GLU_274,4.01,0.27,-0.37,-0.39
1Y0K,GLU_3,4.53,0.17,0,-0.13
1VG,GLU_190,4.09,0.83,-1.31,0.06
2BLL,GLU_576,4.3,0.3,-0.56,0.07
1UXO,ARG_87,12.54,-0.12,0,0.15
3H13,LYS_462,10.52,-0.28,0,0.29
1U3Y,ARG_332,11.82,-0.63,0,-0.05
3DHN,HIS_191,6.62,-0.68,0.47,0.34
3L7N,LYS_168,9.99,-1.01,0,0.05
1QQE,LYS_168,11.47,-1.02,0.77,1.23
3LH5,GLU_541,4.56,2.03,-1.37,-0.61
2AZP,CYS_88,13.14,-0.64,1.03,3.75
2OKT,GLU_84,4.75,0.3,0,-0.06
1XEU,LYS_206,10.47,-0.09,0,0.06
3GYW,LYS_93,10.5,-0.08,0,0.08
1WXQ,GLU_135,3.55,2.19,-1.88,-1.27
2DVK,LYS_87,9.4,-1.01,0,-0.09
1FHL,ASP_125,3.68,0,-0.3,0.17
3ELI,ARG_64,12.32,-0.25,0,0.07
3G53,GLU_267,4.69,0.13,0,0.06
1TR9,LYS_226,10.35,-0.21,0,0.06
1YB2,ARG_254,12.4,-0.2,0,0.1
1WP5,ARG_130,12.43,-0.08,0,0.01
3A2Z,TYR_52,11.3,0,0.23,1.08
3LH5,GLU_581,4.61,0.32,0,-0.21
3LMO,TYR_74,11.59,0.42,0.31,0.86
1ATO,HIS_329,13.57,-2.76,0.78,-0.82
2HRZ,ASP_172,3.08,-0.59,-0.51,0.37

4E6S,GLU_79,5.13,0.3,0.0,33
1H09,TYR_93,13.58,-0.05,0.95,2.67
3V3T,TYR_73,11.68,0,-0.05,1.73
2PWQ,TYR_129,10.9,0,0.1,0.8
1UW7,LYS_84,11.27,-0.36,0.75,0.38
1WRU,ARG_269,12.14,-0.52,0,0.17
2V4X,ASP_65,4.43,0,0.16,0.47
1T3Y,LYS_131,8.86,-1.78,0,0.13
1AKO,TYR_215,10.83,-0.83,-0.12,1.77
2JEO,GLU_147,4.5,0.2,0,-0.2
1R3D,GLU_82,4.6,0.11,0,-0.01
1Y0K,HIS_186,6.09,-0.4,0,-0.01
216I,GLU_27,2.52,0.39,-1.7,-0.67
3JRT,LYS_95,10.56,-0.17,0,0.23
1GVP,TYR_34,10.2,0,-0.04,0.24
3RJX,HIS_45,6,-1.68,0.85,0.33
3IPZ,LYS_159,10.53,-0.19,0,0.22
2A1V,ARG_72,12.39,-0.35,0,0.24
1ZCE,ASP_93,2.37,-1.52,-0.38,0.47
1R3F,GLU_120,4.58,0,0.8,0
2CXC,LYS_134,10.01,-0.58,0,0.09
2FZP,ARG_279,12.1,-0.67,0,0.26
3EZ7,GLU_393,4.74,0.19,0,0.04
1X1E,TYR_91,10.05,0,-0.18,0.23
1J74,GLU_20,4.25,0.3,-0.23,-0.33
1ES9,LYS_95,10.59,-0.18,0,0.26
3G9G,GLU_158,4.82,0.3,0,0.02
3IVF,ARG_35,12.43,-0.33,0.06,0.2
3VJ8,GLU_343,3.61,0.41,-0.85,-0.44
2GZQ,ARG_57,12.38,-0.12,0,0
2X5Y,TYR_740,11.09,0.06,1.02
2ZTY,TYR_113,11.43,0,0.13
1PVT,ASP_200,3.65,-0.8,-0.31,0.95
3I0C,GLU_203,3.82,0.31,-0.79,-0.19
1HF8,ASP_61,3.91,0,-0.2,0.31
2ZQ5,HIS_235,2.27,-3.67,0.23,-0.8
3CGW,ARG_281,12.26,-0.55,0,0.31
2RIK,ASP_165,4.21,0.0,0.15,0.25
1CHD,LYS_232,11.47,-0.31,0.85,0.43
2BT8,ARG_299,12.43,-0.32,0,0.24
4DBX,ARG_66,12.12,-0.38,0,0
3TOW,ASP_121,3.61,-0.8,0.17,0.45
1LTU,ARG_231,12.23,-0.27,0,0
3TOW,HIS_194,6.11,-0.25,0,-0.15
3BA1,CYS_86,11.29,-0.01,0.23,2.07
2Q13,TYR_203,10.46,0,0,0.46
1YG2,ARG_123,13.07,-0.38,0.31,0.65
2C2Y,HIS_254,5.49,-1.02,0,0.01
2IXM,ARG_106,11.98,-0.52,0,0
4FLE,HIS_173,6.15,-1.66,0.85,0.47
3JZN,ARG_269,12.03,-0.47,0,0
2X4L,TYR_282,11.67,0.33,0.05,1.29
2F4Q,HIS_80,6.21,-1.03,0.23,0.51
1ZBM,LYS_258,11.28,-0.29,0.63,0.43
1YTD,TYR_105,11.08,0,0,1.08
3V46,TYR_307,9.79,-0.04,-0.46,0.27
3IL3,TYR_11,12.45,0.85,0.73,0.87
2GKG,LYS_76,11.13,-0.21,0.41,0.44
3LH5,ASP_678,3.95,0,0,0.15
1FO9,TYR_223,13.83,0,-0.39,4.21
3CIV,ARG_185,13.33,-1.1,0.76,1.17
2R57,ASP_341,4.02,0,0.08,0.15
3MEW,TYR_190,10.89,-0.82,-0.04,1.76
3PZ9,GLU_270,4.52,0.09,0,-0.07
2CIU,TYR_141,12.34,0.82,0.43,1.1
2O0K,ASP_296,4.09,0,-0.01,0.29
3BZT,GLU_307,3.58,0.32,-0.96,-0.28
2FL4,ARG_64,12.4,-0.24,0,0.14
2B3M,ASP_71,4.1,0,0.14,0.15
3J3N,HIS_150,3.7,-1.98,0,-0.82
1U3Y,GLU_265,4.76,0.32,0,-0.08
1MUF,ASP_101,4,-0.05,0.09,0.16
3QKY,GLU_126,4.62,0.18,0,-0.07
3EVN,HIS_51,6.23,-0.2,0,-0.07
3M66,LYS_211,10.27,-0.23,0,0
2ZQ5,TYR_307,12.37,0.83,0.47,1.07
2OJQ,GLU_672,4.37,0.2,0,-0.33
3OA7,GLU_7,3.82,0.45,-0.81,-0.31
2CWY,ARG_91,13.81,-0.28,0.85,0.74
2IN0,HIS_17,5.68,-0.85,0,0.03
2V81,ASP_58,3.91,0,0,0.11
2WSZ,LYS_67,9.91,-0.86,0,0.27
3CSR,LYS_7,10.55,-0.15,0,0.19
3ODJ,TYR_23,10.11,-0.65,0.09,0.67
2Q12,ARG_237,12.4,-0.1,0,0
2B6P,ARG_196,12.36,-0.14,0,0
2FC3,LYS_34,10.08,-0.34,0,-0.08
4DND,GLU_30,4.55,0.15,0,-0.09
2H14,TYR_75,10.69,-0.31,0.34,0.66
4EKU,GLU_325,4.27,0.17,-0.08,-0.32
3EZ7,ASP_383,4.14,0,-0.01,0.35
2FD5,CYS_104,10.31,-1.65,-1.01,3.97
3I4T,GLU_46,3.2,0.52,-1.44,-0.38
1J95,LYS_225,9.99,-0.22,0,-0.3
1D0A,ASP_124,3.12,-0.89,-0.15,0.35
3H9W,GLU_37,4.16,0.31,-0.33,-0.32
3ELI,ASP_41,3.81,-0.09,-0.06,0.16
2F8H,ASP_134,2.29,-1.27,-0.69,0.45
2A6B,HIS_71,6.34,-0.38,0.24,-0.01
1AD6,GLU_440,4.53,0.36,-0.45,0.13
2RIS,GLU_19,4.81,0.63,0,-0.33
1X04,GLU_184,4.72,0.19,0,0.03
3M3P,HIS_140,5.92,-2.94,1.59,0.77
1T3J,HIS_690,6.6,-0.25,0,0.34
3BA1,GLU_259,3.96,1.13,-1.24,-0.43
1XAW,GLU_470,3.68,0.31,-1.14,0
3UPD,ARG_6,12.36,-0.17,0,0.03
3DZ1,HIS_240,7.5,-0.61,0.88,0.71
3IVF,GLU_189,3.43,1.06,-1.51,-0.62
2B78,ASP_261,3.14,-0.83,-0.06,0.23
2Q34,ARG_38,12.46,-0.39,0,0.34
1BGF,LYS_13,10.63,-0.13,0,0.25
2OYZ,GLU_74,4.64,0.16,0,-0.01
2CI3,LYS_246,11.3,-0.21,0.58,0.43
3B21,GLU_154,4.64,0.09,0,0.05
1T95,HIS_141,6.38,-0.25,0,0.14
3GMS,ARG_185,13.3,-0.14,0.62,0.32
1ZBS,GLU_93,4.99,0.83,0,-0.35
2EJB,ASP_68,2.56,-1.65,-0.1,0.51
2O8P,LYS_208,10.5,-0.09,0,0.09
1G8P,ARG_126,12.47,-0.29,0,0.26
1AT0,LYS_372,10.36,-0.16,0,0.02
2B6P,GLU_257,4.58,0.08,0,0
3DHN,ASP_86,2.31,-1.49,0,0
1WYC,CYS_332,12.22,-0.25,0.12,3.36
2Q34,GLU_90,3.7,0.5,-0.81,-0.48
3V55,LYS_404,10.63,-0.11,0,0.23
4FH3,ARG_137,12.45,-0.3,0,0.24
1RKA,GLU_29,3.81,0.34,-1.02,0
1W7B,CYS_335,11.76,-0.3,-0.4,3.47
1WJG,ARG_124,13.92,-0.37,1.16,0.62
1XEU,LYS_273,11.15,-0.76,0.85,0.56
4DVD,ASP_148,3.95,0,0,0.15
1ZBM,HIS_1,6.25,-0.3,0,0.05
2B3M,TYR_44,11.18,-0.02,-0.49,1.69
2VGM,GLU_149,4.66,0.16,0,0
3VHJ,LYS_159,9.9,-0.58,0,-0.02
2Z61,TYR_224,12.2,0.04,2.16
3KVO,ARG_75,13.85,-0.47,1.21,0.63
2O8I,GLU_6,4.06,0.31,-0.28,-0.47
1OXZ,GLU_230,4.65,0.15,0,0
2NRK,ASP_147,3.95,0,-0.01,0.16
2VGM,HIS_235,6.34,-0.21,0,0.04
3Q9P,ASP_115,3.96,0,-0.05,0.21
2YX0,GLU_249,5.07,0.65,0,-0.08
3PZ9,ASP_135,3.42,-0.77,-0.34,0.73
3GW3,ARG_41,11.92,-0.39,0,-0.19
1TR9,HIS_207,6.8,-1.47,0.85,0.92
3F6F,GLU_195,4.74,0.3,0,-0.05
3ASA,LYS_331,10.21,-0.65,0,0.36
3M7G,ASP_49,4.16,0,0,0.36
2PP6,ARG_81,12.17,-0.33,0,0
2G55,GLU_151,4.68,0.25,0,-0.06
1Z3X,ARG_169,12.01,-0.49,0,0
3VJ8,GLU_193,5.56,2.68,-1.65,0.03
2AD1,HIS_268,6.64,-0.64,0.5,0.28
4H86,GLU_82,4.41,0.13,0,-0.22
2H34,LYS_143,10.49,-0.42,0,0.42
1GXN,CYS_510,10.28,-2.64,0.24,3.67
2CE6,ARG_43,12.44,-0.06,0,0
3EOD,ASP_104,3.67,-0.63,-0.26,0.77
1XDZ,LYS_228,10.42,-0.08,0,0
1O17,ASP_223,3.63,0,-0.45,0.29
3JZ9,ASP_354,3.37,-0.77,-0.43,0.76
3EVN,ARG_232,12.29,-0.17,0,-0.04
2YYO,CYS_29,11.83,-0.03,0.06,2.79
1P4X,ASP_212,3.22,-0.64,-0.31,0.37
1H4U,ARG_411,12.36,-0.31,0,0.17
2QK0,GLU_85,3.87,0.32,-0.57,-0.38
2G5X,LYS_30,11.38,-0.43,0.85,0.45
2EYI,ARG_86,13.34,-0.45,0.75,0.53
3AUF,TYR_62,10.28,0,-0.08,0.37
2HRZ,GLU_310,4.71,0.25,0,-0.04
3DSH,ASP_294,3.77,0,-0.24,0.21
2HNG,GLU_294,6.7,0.13,0.04,0
1QYI,LYS_2,10.16,-0.29,0,-0.05
1OIS,GLU_268,4.71,0.29,0,-0.08
4DBX,GLU_243,4.44,0.09,0,-0.16
1ES9,ASP_36,3.83,0,-0.32,0.35
2CXA,ARG_227,12.63,-0.94,0.61,0.46
2R57,GLU_256,4.9,0.89,0,-0.5
3CAX,GLU_278,6.59,3.7,-0.54,-1.07
1Z9L,LYS_107,10.43,-0.07,0,0
3CCY,LYS_55,9.59,-1.03,0,0.12
2ZQ5,ARG_179,11.97,-2.65,0.2,12
1WRU,LYS_328,11.17,-0.44,0.51,0.6
2OEW,GLU_144,4.47,0.21,0,-0.23
1QYI,GLU_15,6.18,1.3,0,0.39
2IN0,ARG_410,12.33,-0.3,0,0.13
3A2Z,GLU_170,4.61,0.18,0,-0.06
1PBV,HIS_133,3.79,-2.64,0,-0.07
2Q12,TYR_68,10.41,0,0.14,0.27
3ZSL,HIS_208,6.88,-0.69,0.85,0.22
3ETU,GLU_283,4.49,0.47,-0.16,-0.32
2X4J,ARG_100,12.76,-0.37,0,0.62
2EFK,LYS_110,11.1,-0.79,0.85,0.54
2GZQ,ARG_131,13.22,-1.97,1.67,1.02
3ANJ,TYR_51,12.87,-0.94,0.27,3.53
2PG6,ARG_22,12.55,-0.31,0,0.36
3VJ8,ARG_185,12.61,-1.1,0.78,0.42
1V6T,ARG_195,11.53,-1.37,0,0.39
1O9G,HIS_6,5.95,-0.73,0.07,0.1
3ULX,GLU_29,4.49,0.45,0,-0.47
2ZOM,TYR_185,10.4,-0.23,-0.23,0.87
1PVT,TYR_205,13.17,0.31,0.64,2.22
4FZR,GLU_61,4.44,0.35,-0.39,-0.02
1O0X,TYR_116,11.6,0,-0.31,1.91
3EVP,ASP_275,3.94,0,0,0.14
2O0K,CYS_158,12.27,0,-0.06,3.33
3M7G,ARG_131,11.76,-1.44,0.24,0.47
3ZSL,LYS_226,10.35,-0.23,0,0.08
1YR6,TYR_129,11.67,-0.42,0.2,1
3RHE,CYS_120,9.78,0,0.18,0.6
3DSH,ASP_429,4.07,0,0.01,0.25
3UPD,LYS_288,10.45,-0.29,0,0.24
1EDG,LYS_64,11.36,-0.43,0.71,0.58
1WJG,HIS_14,6,-0.38,0,-0.12
3ADO,GLU_83,4.75,0.19,0,0.06
4EUG,ARG_195,12.42,-0.08,0,0
3K8J,GLU_122,4.72,0.22,0,0
4E9E,GLU_559,4.12,0.2,-0.22,-0.37
2WB8,LYS_575,10.37,-0.13,0,0
1RHS,HIS_2,5.08,-0.83,0,-0.58
2FD4,ASP_465,2.4,-1.9,-0.3,0.8
3QAV,CYS_223,9.53,0.02,0.3,0.31
3IL3,LYS_200,10.54,-0.18,0,0.22
3M3P,HIS_250,7.1,-0.25,0.85,0
2IXM,GLU_202,5.03,0.42,0,0.11
1FHL,ASP_322,4.67,0,-0.21,1.07
2G7O,TYR_102,10.22,0,-0.02,0.24
3U2R,GLU_144,4.62,0.12,0,0
2IF4,ASP_185,4.18,0,-0.15,0.54
2R2D,TYR_175,12.98,0.85,0.5,1.64
2GAU,GLU_94,4.68,0.22,0,-0.04
3EVP,ASP_194,4.26,0,-0.09,0.55
3FRR,LYS_118,11.26,-0.32,0.68,0.39
2HXB,ARG_160,13.05,-0.51,0.6,0.46
1OXZ,ARG_191,12.61,-0.19,0.29,0
3FS3,LYS_40,10.12,-0.38,0,0
3MIX,HIS_496,6.48,-0.22,0,0.21
3IUS,ARG_146,13.3,-0.31,0.61,0.5
1XWM,ASP_156,4.24,0,-0.07,0.51
2F8H,ARG_91,12.14,-0.36,0,0
3FHF,GLU_107,3.87,0.83,-0.85,-0.61
2P65,LYS_108,10.5,0,0,0
2CBE,ASP_180,2.24,-2,-0.43,0.87
4HDE,TYR_163,10.84,-0.85,-0.12,1.81
1NIJ,ARG_172,11.63,-1.52,0.26,0.4
2P5D,LYS_77,10.24,-0.22,0,-0.05
2Q13,LYS_173,10.47,-0.14,0,0.1
3BB7,GLU_123,4.47,0.25,0,-0.28
3EJG,LYS_70,10.71,-0.12,0,0.32
1RHS,TYR_261,11.33,-0.09,-0.66,2.08
2ZCX,ARG_33,13.19,-1.06,0.79,0.96
1GXN,ARG_483,12.1,-0.51,0,0.11
2ZQ5,HIS_183,5.04,-2.77,0.81,0.48
2RJD,HIS_447,5.89,-1.54,0.84,0.1
2HRZ,LYS_123,10.56,-0.09,0,0.15
4FD6,LYS_110,11.36,-0.52,0.85,0.53
4GCO,TYR_234,11.79,0.04,1.37
1P1L,GLU_51,3.28,1.12,-2.26,-0.08
2ZQ5,ARG_62,12.02,-0.55,0,0.04
1XFK,LYS_66,11.2,-0.94,0.85,0.79
1T95,ARG_201,12.47,-0.03,0,0
3U0V,TYR_210,10.27,0.0,12,0.14
2CYG,TYR_116,13.33,0.57,0.04,2.72
2HP7,GLU_193,4.61,1.55,-1.44,0
3I82,ARG_67,14,-0.2,0.83,0.87
2CYG,TYR_284,13.28,-0.85,0.03,4.1
2BDD,LYS_49,10.42,-0.22,0,0.13
1MML,GLU_35,3.081,-2.14,-0.18
2P52,CYS_235,9.57,-1.7,-0.2,2.48
3R87,LYS_87,11.64,-0.39,0.8,0.74
1Q46,ARG_135,12.53,-0.35,0,0.38
1SIG,LYS_264,9.78,-0.92,0,0.21
1EV8,ASP_205,3.47,-0.4,-0.58,0.64

3ETV,LYS_242,10.45,-0.08,0,0.02
 3EX9,GLU_47,3.74,0.35,-1.05,-0.05
 2GZR,ARG_68,12.02,-0.52,0,0.04
 1EV8,LYS_233,10.46,-0.36,0,0.32
 1L3K,LYS_179,10.94,-0.65,0.58,0.52
 3HZQ,LYS_54,10.44,-0.06,0,0
 2BDV,TYR_119,10.19,0,-0.2,0.39
 3H5T,GLU_285,4.7,0.66,-0.03,-0.43
 1FKM,CYS_579,12.92,0,0.17,3.75
 2E3S,HIS_365,5.4,-0.7,0,-0.4
 2IF4,LYS_79,10.35,-0.21,0,0.06
 2V4X,CYS_77,12.58,0,-0.11,3.68
 3R2E,LYS_27,10.34,-0.22,0,0.06
 1NJ4,LYS_59,10.35,-0.29,0,0.15
 1KCM,GLU_257,4.84,0.18,0,0.16
 3P2F,ARG_136,12.78,-0.54,0.23,0.58
 2OOK,TYR_237,10.85,0,0,0.85
 2RJD,GLU_456,5.29,3.77,-2.92,-0.06
 2R2Y,GLU_25,4.65,0.33,0,-0.19
 2EJB,GLU_112,3.77,0.59,-0.85,-0.46
 1P6F,LYS_7,10.44,-0.26,0,0.2
 1PDB,GLU_123,5.58,1.1,-0.21,0.19
 3M7D,GLU_266,5.19,0.26,0.06,0.36
 1UOH,LYS_203,10.48,-0.1,0,0.08
 3VHJ,HIS_108,6.81,-1.02,0.85,0.48
 2XMZ,ASP_76,3.13,-0.58,-0.42,0.34
 3JZ9,ASP_415,4.04,0,-0.16,0.4
 1V43,ASP_73,3.82,0,-0.12,0.13
 4DND,LYS_103,11.33,-0.37,0.84,0.37
 2ILR,ASP_432,3.97,0,0,0.17
 3GOZ,ARG_146,12.98,-1.22,0.95,0.75
 3VHJ,LYS_162,11.29,-0.33,0.85,0.26
 1XTZ,HIS_182,6.28,-0.23,0,0.01
 3LMO,LYS_54,10.53,-0.16,0,0.19
 3I4T,HIS_158,5.34,-2.15,0.85,0.13
 1W24,TYR_163,10.22,-0.14,-0.02,0.39
 1LZL,HIS_290,6.27,-3.12,0.85,2.03
 3KEY,LYS_370,11.23,-0.2,0.37,0.56
 1TP6,HIS_10,6.27,-0.85,0.61,0.01
 1EV8,CYS_161,12.6,0,0,0.36
 3I0C,ASP_183,4.06,0,-0.02,0.28
 1QSZ,ASP_578,2.89,-1.09,-0.18,0.37
 3GW3,ASP_29,3.77,0,-0.28,0.18
 2H30,LYS_105,10.44,-0.16,0,0.1
 1T6L,LYS_158,10.5,-0.16,0,0.16
 4AM1,ASP_62,1.8,-2.08,-0.39,0.47
 1XDZ,GLU_4,4.65,0.28,-0.3,0.17
 1NAR,GLU_150,4.6,0.24,0,-0.15
 3VJ8,GLU_202,4.97,0.22,0,0.25
 1EV8,ASP_198,4.05,0,-0.35,0.6
 2VGY,GLU_152,4.69,0.19,0,0
 3RFY,ASP_292,3.03,-0.6,-0.77,0.61
 1XDZ,HIS_93,5.81,-0.78,0.19,-0.1
 2NYC,HIS_293,6.08,-0.34,0,-0.08
 2J8A,ASP_257,2.71,-0.95,-0.43,0.29
 1Q2Y,ARG_120,12.43,-0.1,0,0.03
 1BKB,GLU_110,4.32,1,-0.72,-0.46
 1RWZ,TYR_106,10.97,0,-0.04,1.01
 1T07,GLU_12,4.57,0.27,0,-0.19
 3A0X,LYS_701,10.17,-0.41,0,0.09
 3B87,TYR_168,9.58,-0.85,-0.31,0.74
 2EYI,ASP_217,4.07,-0.12,-0.52,0.91
 1MD6,ARG_131,12.82,-0.31,0.29,0.35
 2OB5,ARG_40,12.29,-0.41,0,0.2
 2B0J,GLU_137,4.06,0.37,-0.85,0.05
 2YWX,GLU_128,4.61,0.07,0,0.04
 3O16,ARG_222,13.46,-0.31,0.82,0.45
 3C38,TYR_187,11.15,-0.82,-0.31,2.28
 2HXB,GLU_145,4.28,1.11,-0.8,-0.52
 2PLQ,TYR_194,9.32,-0.85,-0.33,0.5
 2V4U,GLU_408,4.48,2.72,-1.98,-0.75
 4EUG,GLU_157,3.47,0.51,-1,-0.54
 3OIF,TYR_139,11.26,0,0.16,1.1
 3GMS,GLU_252,3.74,0.35,-0.73,-0.38
 3OBS,TYR_32,10.98,0,0,0.98
 2PGE,ARG_137,13.91,-0.33,1.22,0.53
 2RGY,ASP_178,4.11,-0.01,0.13,0.19
 2E3C,ASP_279,2.82,-1.34,0,0.36
 4H4J,LYS_234,10.69,-0.18,0,0.38
 2YX0,GLU_183,4.35,1.8,-1.16,-0.79
 1YR6,CYS_207,11.22,0.15,0.47,1.6
 1TD6,GLU_230,5.69,1.21,0,-0.02
 3GYW,LYS_51,10.64,-0.12,0,0.27
 1SIG,ARG_441,12.81,-0.25,0,0.55
 3LJN,GLU_37,4.34,0.26,-0.13,-0.28
 1PGV,CYS_262,11.45,-0.05,0.57,1.94
 1XDZ,LYS_38,10.02,-0.57,0,0.1
 3L3P,ASP_452,3.75,-0.5,-0.42,0.87
 3LJC,LYS_82,10.62,-0.11,0,0.24
 2XHC,LYS_150,10.13,-0.28,0,-0.09
 1X1E,ARG_168,12.93,-0.8,0.82,0.41
 2BLL,GLU_446,7.39,4.35,-1.67,0.2
 1C3K,CYS_40,11.41,0,0.05,2.36
 3ONT,ASP_18,4.05,0.02,0.22
 3V5S,GLU_704,4.75,0.19,0,0.06
 3GW3,ARG_365,11.2,-1.51,0,0.22
 4H86,LYS_102,10.18,-0.38,0,0.06
 3ETU,LYS_286,10.75,-0.24,0.16,0.32
 2YX0,LYS_304,10.25,-0.5,0,0.25
 3EGN,LYS_481,10.15,-0.23,0,-0.13
 3ZRI,HIS_33,5.99,-1.13,0.69,-0.06
 2P1W,HIS_81,6.31,-0.42,0.05,0.19
 4AE7,GLU_75,4.46,0.2,0,-0.24
 3RNV,LYS_412,10.54,-0.06,0,0.11
 3EJG,HIS_97,6.43,-0.14,0,0.07
 1EQ6,LYS_119,10.43,-0.14,0,0.07
 4E8B,ARG_146,12.39,-0.39,0,0.28
 3JSN,ASP_13,3.97,0,-0.1,0.26
 3CCY,GLU_18,4.5,0.19,0,-0.19
 1D2K,TYR_93,12.92,-0.03,1.01,1.93
 1RI6,TYR_8,12.95,-0.15,0.1,3.01
 2P65,LYS_20,10.37,-0.12,0,-0.01
 3BWT,HIS_732,5.51,-0.93,0,-0.06
 4D8L,GLU_109,4.62,0.1,0,0.03
 2W0Z,LYS_426,10.41,-0.13,0,0.03
 4EKU,LYS_223,10.44,-0.06,0,0
 1Q42,GLU_161,3.44,0.51,-0.85,-0.71
 2R2Y,ASP_41,1.76,-2.21,-0.57,0.74
 4E9E,GLU_483,4.3,0.32,-0.18,-0.34
 2CBE,HIS_4,5.98,-0.45,0,-0.07
 2D0A,ARG_164,12.35,-0.23,0,0.07
 1S7K,HIS_54,6.03,-0.47,0,0
 1AK1,TYR_196,13.48,0.11,3.38
 3UC9,TYR_57,10.87,0,-0.2,1.08
 3TMO,LYS_210,10.46,-0.11,0,0.07
 1BKR,LYS_55,10.31,-0.16,0,-0.03
 2CBE,HIS_107,5.67,-3.48,0.85,1.8
 2IIA,GLU_46,4.65,0.32,0,-0.17
 1Y0K,HIS_136,6.57,-0.9,0.87,0.09
 2PGX,GLU_26,4.65,0.24,0,-0.08
 3GMS,ASP_307,4.04,0,-0.03,0.27
 4AF2,LYS_48,10.55,-1.41,0.85,0.61
 3HUE,ASP_91,3.33,-0.66,-0.29,0.48
 4F3J,ARG_103,12.44,-0.06,0,0
 3BA1,ARG_215,13.05,-0.32,0.49,0.38
 1RWZ,LYS_98,11.41,-0.34,0.49,0.77
 1RAJ,TYR_195,10.41,0,0,0.41
 3BCY,HIS_122,6.46,-0.95,0.57,0.34
 4FD6,LYS_92,10.04,-0.47,0,0.02
 1XIP,ASP_238,3.85,-0.19,0,0.23
 4FCU,HIS_176,6.26,-0.85,0.42,0.18
 3V46,GLU_386,5.29,1.29,0,-0.49
 3A2Z,ASP_96,3.35,-0.44,-0.27,0.26
 1Q8B,GLU_60,4.51,0.19,0,-0.18
 3V46,TYR_378,11.81,0.83,0.47,0.51
 3PZ9,HIS_151,6.33,-0.51,0,0.34
 2FD5,LYS_51,9.79,-1.02,0,0.32
 1WYC,GLU_297,3.69,0.35,-0.77,-0.4
 3ASA,ARG_186,13.11,-0.3,0.57,0.34
 1ILW,ARG_38,12.46,-0.33,0,0.3
 3OBS,GLU_24,5.46,1.97,-1.42,0.42
 4AE7,LYS_78,10.59,-0.14,0,0.24
 2B2H,LYS_173,10.21,-0.56,0,0.28
 2QHT,GLU_40,4.7,1.25,-0.85,-0.2
 2IXM,ARG_293,12.24,-0.26,0,0
 3MTT,GLU_499,4.67,0.2,0,-0.03
 3FNI,HIS_155,6.23,-0.2,0,-0.07
 1R3F,TYR_156,10.83,0.38,0.46
 2NRK,ARG_90,13.91,-0.34,1.19,0.55
 2VGM,LYS_337,10.56,-0.16,0,0.22
 1ZBP,ASP_225,3.87,0,-0.21,0.29
 3HVM,CYS_324,13.45,-1.67,2.8,3.32
 3I4T,GLU_32,5.47,2.42,-0.6,-0.86
 1UJ8,ASP_42,3.24,-0.59,-0.38,0.41
 2IXM,HIS_230,4.88,-1.41,0,-0.22
 1QYI,GLU_100,4.19,0.51,-0.87,0.04
 3FGM,GLU_137,4.62,0.12,0,0
 3RLN,GLU_729,4.3,0.29,-0.38,-0.11
 2X4G,ARG_131,12.05,-0.56,0.0,11
 3FK5,HIS_18,7.26,-0.37,0.85,0.28
 1WLY,GLU_101,4.47,0.82,-0.47,-0.39
 1DZF,ARG_7,12.31,-0.19,0,0
 4DND,ARG_11,12,-0.41,0,-0.09
 3G9T,LYS_8,10.35,-0.2,0,0.05
 2BDD,HIS_126,7.02,-0.44,0.85,0.09
 1O6D,ASP_87,2.97,-0.85,-0.38,0.4
 2OEW,LYS_312,10.16,-0.41,0,0.07
 3ZTA,HIS_99,6.57,-0.16,0.23,0
 4FZr,ARG_106,12.46,-0.21,0,0.17
 3EVP,TYR_95,10.27,0,-0.02,0.29
 1CBY,GLU_78,4.69,0.19,0,0
 2NRK,GLU_123,4.64,0.17,0,-0.03
 4EKU,GLU_113,4.01,0.65,-1.12,-0.02
 1SIG,ARG_150,12.41,-0.28,0,0.18
 1ZCU,LYS_96,9.63,-0.92,0,0.05
 3Q6L,LYS_38,10.18,-0.23,0,-0.08
 1WXQ,ASP_327,3.82,0,-0.17,0.2
 3P2F,ASP_59,2.94,-1.4,-0.06,0.6
 1R7J,LYS_55,10.46,-0.04,0,0
 3GMS,LYS_10,10.41,-0.09,0,0
 2AD1,LYS_198,10.57,-0.32,0,0.38
 2O4D,GLU_6,4.65,0.15,0,0
 3P51,ARG_22,13.02,-0.31,0.03,0.8
 2YX0,GLU_26,3.72,0.34,-0.55,-0.57
 1QYI,LYS_62,10.42,-0.13,0,0.05
 1ANU,TYR_88,10.71,0,0.4,0.3
 3LH5,GLU_788,4.27,0.26,-0.46,-0.03
 3BJV,TYR_54,10.05,-0.03,0.08
 3BB7,GLU_214,4.1,0.14,-0.18,-0.35
 2F4Q,ARG_97,12.46,-1.12,0.22,0.86
 1SJY,GLU_115,4.77,0.17,0,0.1
 3BQE,GLU_323,4.66,1.74,-1.3,-0.29
 2ZCO,HIS_116,6.25,-0.27,0,0.02
 2B61,TYR_329,10.44,-0.08,-0.14,0.66
 2QDQ,LYS_153,10.36,-0.26,0,0.12
 3CE7,ARG_48,12.55,-0.28,0,0.33
 3G9B,CYS_58,9.93,-1.47,0.25,2.15
 3EZ7,LYS_29,10.84,-0.34,0.68,0
 2WB8,ASP_597,3.05,-0.65,-0.38,0.28
 2D0A,ARG_27,12.43,-0.07,0,0
 1A8Q,ASP_157,3.38,-0.72,-0.09,0.39
 4ECC,LYS_188,10.67,-0.19,0,0.35
 2OJQ,LYS_486,10.52,-0.14,0,0.16
 1BN6,GLU_287,4.36,3.64,-2.49,-1.31
 4EVF,ASP_167,3.92,0,-0.05,0.18
 3ZXY,HIS_58,7.21,-2.18,0.85,2.03
 2ATR,TYR_115,11.38,0,0,1.38
 1R3F,ARG_306,13.28,-0.53,0.74,0.57
 1AKO,CYS_177,12.17,0.47,0.05,2.64
 2OGQ,GLU_555,3.68,0.35,-1.11,-0.06
 2GAU,LYS_132,10.23,-0.12,0,-0.15
 3H6Q,LYS_48,10.38,-0.21,0,0.1
 4EKU,CYS_120,9.28,0,0.05,0.23
 3MIX,GLU_557,6.23,3.07,-1.33
 3DB9,ASP_210,2.82,-1.2,0,0.23
 2BCF,TYR_223,12.18,0.17,0.11,1.9
 2PGX,ARG_188,13.23,-0.26,0.53,0.46
 1LN4,LYS_19,10.45,-0.05,0,0
 1S17,LYS_67,10.5,0,0,0
 3CIV,ASP_116,3.64,-0.33,0,0.18
 4DVD,TYR_34,10.28,0,-0.1,0.38
 1RZ2,ASP_38,3.76,-0.36,-0.1,0.43
 3Q9P,HIS_124,6.85,-0.15,0.63,0.08
 3L7N,TYR_36,10.42,0,0,0.42
 3CAX,ARG_211,13.7,-1.68,1.56,1.31
 1RAJ,LYS_395,10.72,-0.1,0,0.32
 1K95,TYR_167,12.0,0.49,1.52
 2CL3,LYS_189,10.4,-0.1,0,0
 1ZP2,TYR_139,12.79,-1.14,0.08,3.86
 1WYC,ASP_357,3.64,-0.84,-0.3,0.98
 1C3K,ASP_52,4.25,0,0.27,0.18
 2RGY,CYS_336,11.06,0,-0.14,2.2
 3N2T,TYR_246,11.18,0,-0.16,1.35
 1SQH,CYS_164,9.28,0,-0.08,0.35
 15QP,ARG_16,12.98,-0.15,0.17,0.45
 1R3F,ARG_116,12.29,-0.67,0.21,0.25
 2E3C,ARG_275,12.67,-0.66,0.41,0.42
 1YTD,ARG_251,12.36,-0.31,0,0.16
 1XTZ,LYS_40,10.33,-0.17,0,-6.94E-18
 3CBN,HIS_165,6.31,-0.32,0,0.1
 2RJD,TYR_396,12.36,0.69,-0.09,1.75
 2H2Z,LYS_100,10.47,-0.18,0,0.14
 1WYC,HIS_309,6.48,-0.37,0,0.35
 1PSW,GLU_111,3.96,0.28,-0.74,-0.08
 3RJX,ARG_295,11.86,-2.53,0.29,1.61
 1YTO,ARG_187,13.54,-0.35,0.78,0.61
 2QHT,ARG_97,12.45,-0.05,0,0
 1R15,TYR_91,10.68,0,-0.26,0.94
 2X5Y,LYS_829,10.3,-0.22,0,0.03
 1KCM,HIS_60,5.1,-0.86,0,-0.54
 1NFN,ARG_61,12.84,-0.32,0,0.67
 2OKT,LYS_78,10.19,-0.41,0,0.09
 2W0Z,TYR_587,10.28,-0.15,0.05,0.38
 3T5B,LYS_235,10.59,-0.12,0,0.21
 3DHN,LYS_3,10.5,0,0,0
 2G3A,GLU_14,4.23,0.17,-0.32,-0.13
 1T3Y,ARG_11,12.33,-0.27,0,0.1
 2E0T,ARG_196,12.33,-0.17,0,0
 1AK1,LYS_81,10.71,-0.24,0,0.44
 1WP5,ASP_143,2.8,-1.14,-0.11,0.26
 2FM9,LYS_129,10.4,-0.1,0,0
 1L2F,GLU_214,3.48,0.73,-1.45,-0.3
 3JSN,TYR_22,10.2,0,0.13,0.07
 3IRA,GLU_151,4.89,0.23,0,0.17
 3OOP,ARG_87,12.47,-0.03,0,0
 2XHC,ARG_338,11.85,-1.05,0,0.39

1CHD,HIS_190,5.07,-2.27,0.85,-0.01
4DNU,HIS_131,3.42,-3.14,0.2,-0.14
3ZXY,HIS_177,6.73,-0.16,0,0.4
2CN1,LYS_141,10.38,-0.39,0,0.27
3ANJ,LYS_142,11.25,-0.49,0.84,0.39
1TLV,GLU_135,4.99,0.44,0,0.05
1SI7,GLU_275,4.55,4.32,-2.74,-1.52
1YM5,TYR_141,12.2,-0.82,0.04,2.98
1T3Y,TYR_149,6.3,-1.33,-0.41,1.38
3EX9,ARG_160,12.35,-0.16,0,0.01
2WB3,ASP_300,3.83,-0.21,0,0.24
1TLV,ASP_65,4.02,0,0,0.22
1A8Q,TYR_103,11.59,-0.18,-0.29,2.06
2ZCX,GLU_92,4.57,0.13,0,-0.06
4F8A,ASP_642,4.18,-0.8,-0.02,1.2
3R1X,GLU_130,4.7,0.83,-0.67,0.05
2GAU,GLU_25,3.84,0.77,-1.42,-0.01
3CE7,LYS_37,10.48,-0.05,0,0.04
2VGM,TYR_374,10.24,0,-0.18,0.42
2H2W,LYS_99,10.49,-0.01,0,0
3BPV,LYS_129,10.2,-0.13,0,-0.18
3K9I,LYS_92,10.65,-0.26,0,0.41
2V5B,ASP_202,2.87,-1.24,-0.08,0.4
1M5I,GLU_225,3.78,0.36,-0.74,-0.35
2P0L,GLU_98,4.42,0.61,-0.71,0.03
1W24,GLU_120,5.33,1.34,-0.08,-0.43
3T5B,HIS_170,6.12,-0.4,0,0.02
2CVB,HIS_148,7.67,-0.56,0.85,0.88
1YG2,ASP_20,2.57,-1.53,-0.11,0.41
3EZ7,TYR_109,10.62,0.03,0,0.6
3FFM,ARG_94,12.18,-0.54,0,0.22
2X4G,TYR_127,9.91,-0.69,-0.88,1.48
2VAN,CYS_178,12.6,-0.48,0.31,3.76
1GXN,GLU_402,4.16,1,-0.76,-0.58
2B78,LYS_3,10.42,-0.78,0.18,0.53
1MD6,ARG_102,12.33,-0.25,0,0.07
3B21,ASP_59,3.8,-0.14,0,0.14
3QKY,TYR_197,10.74,0,-0.33,1.07
2PGE,CYS_255,12.04,-0.02,0.06,3
3M66,LYS_321,10.16,-0.18,0,-0.15
1V6T,LYS_77,10.68,-0.16,0,0.35
1ZBM,LYS_2,10.71,-0.16,0,0.37
2B0A,HIS_44,2.93,-3.1,0.84,-1.31
3QKY,HIS_31,5.87,-0.46,0,-0.18
3V75,ASP_213,4.13,0,0.04,0.28
1SUU,ASP_660,3.32,-0.44,-0.34,0.3
1ZCU,TYR_223,11.15,0,0.29,0.86
3EJC,ASP_135,2.29,-2.11,-0.64,1.25
2ZTY,GLU_24,3.53,0.6,-1.49,-0.1
2O4D,ASP_13,3.91,0,0,0.11
3ADO,GLU_93,5.52,4.33,-2.52,-0.78
2PIM,GLU_34,4.54,0.05,0,-0.02
3H6Q,CYS_105,10.19,-0.81,-0.16,2.16
2ZQ5,TYR_36,11.34,-0.03,-0.73,2.1
1IDK,ARG_176,12.24,-2.07,0.28,1.53
1XDZ,GLU_5,3.94,0.44,-0.84,-0.16
2I1A,ARG_61,12.61,-0.13,0,0.24
1VJG,TYR_43,11.3,0.56,0.38,0.36
1YR6,GLU_120,4.65,0.32,0,-0.17
1OXZ,ARG_260,12.45,-0.36,0,0.3
1W7B,HIS_94,6.36,-0.65,0.06,0.46
2Q13,LYS_192,10.8,-0.88,0.59,0.58
3FRR,ARG_53,13.91,-0.79,0.76,1.45
2ZQ5,ASP_32,4.18,-0.82,-0.05,1.25
1OST,GLU_151,4.05,0.75,-0.83,-0.38
2ZOM,ARG_70,12.78,-0.18,0,0.47
1LN4,GLU_36,4.75,0.26,0,-0.01
3BCH,LYS_52,10.35,-0.15,0,0.02
2E3C,ASP_414,3.8,0,-0.18,0.18
1SUU,ASP_543,3.8,0,0,0
3J5N,LYS_207,12.11,-0.45,1.31,0.76
2BAA,ASP_235,3.9,-0.78,0,0.88
1SIG,LYS_236,10.36,-0.08,0,-0.06
3G59,CYS_95,12.21,-0.13,0.19,3.15
3T1R,LYS_17,10.44,-0.06,0,0
1ZBS,LYS_21,10.41,-0.15,0,0.06
1SIG,GLU_219,4.7,0.16,0,0.04
1R15,ARG_165,13.09,-0.27,0.22,0.64
1IDK,ARG_127,12.13,-0.52,0,0.15
3K1H,GLU_134,4.54,0.72,-0.22,-0.47
3N2T,LYS_307,10.61,-0.07,0,0.1
3GMS,GLU_99,4.54,1.08,-0.85,-0.2
2D7U,ASP_95,3.92,0,-0.16,0.28
1ZBP,LYS_76,10.29,-0.19,0,-0.02
3M3P,TYR_141,12.85,0.85,0.65,1.34
3PZ9,ASP_360,2.45,-1.7,-0.78,1.13
2R15,GLU_166,3.82,1.31,-1.92,-0.08
1DUN,HIS_108,6.3,-0.2,0,0
2P0L,HIS_69,6.2,-0.35,0,0.05
2X4J,LYS_80,10.49,-0.07,0,0.06
2OJQ,GLU_570,4.5,0.7,0,-0.7
2W0G,GLU_257,3.48,0.4,-0.85,-0.57
4DEZ,CYS_140,11.44,-0.01,-0.13,2.59
4EF5,TYR_164,10.55,0,-0.13,0.68
2IDC,GLU_121,4.6,0.1,0,0
1A8Q,ARG_233,13,-0.31,0.45,0.37
3BPV,HIS_28,6.22,-0.35,0.05,0.02
2V4U,GLU_438,3.73,1.47,-1.09,-1.14
1KCM,GLU_132,3.72,0.26,-0.85,-0.19
3KBS,ARG_404,12.43,-0.07,0,0
3R1X,LYS_266,10.7,-0.22,0,0.42
3FXH,GLU_39,4.84,0.39,0,-0.04
1V43,LYS_366,11.5,-0.29,0.85,0.44
3N0K,TYR_59,10.76,0.02,0.1,0.55
2YX0,HIS_83,3.38,-3.12,0,0
2WOZ,ASP_304,3.88,-0.12,-0.37,0.56
3PZ9,HIS_283,5.53,-0.86,0,-0.1
2H8O,CYS_119,13.8,0.04,1.32,3.46
1WXF,GLU_124,4.23,0.17,-0.42,-0.02
2EA9,GLU_30,4.06,0.25,-0.32,-0.37
1VSM,GLU_133,4.35,0.22,0,-0.38
3EUR,GLU_45,4.39,0.22,-0.35,0.02
1RKA,ASP_202,3.08,-0.85,-0.53,0.65
2P52,HIS_165,5.65,-0.67,0.39,-0.58
2H2W,ASP_97,3.98,0,0,0.18
4H4J,GLU_169,3.66,1.68,-2.45,-0.06
2GEN,HIS_53,4.51,-1.94,0,-0.04
3K1H,GLU_123,4.82,0.25,0,0.07
1O17,GLU_83,5.13,4,-0.82,-0.02
3ETU,LYS_99,10.42,-0.08,0,0
3PBH,TYR_94,10.51,0,0.21,0.3
1PSW,ASP_211,3.95,0,-0.03,0.18
2RFA,GLU_93,3.25,0.31,-1.56,0
1GVPHIS_64,6.16,-0.3,0,-0.04
2G7O,GLU_111,5.02,0.24,0,0.28
4DIU,LYS_143,12.41,-0.7,1.59,1.02
1C3K,TYR_56,11.84,0.85,0.58,0.4
3L3P,ARG_292,13.44,-0.29,0.78,0.45
2W0G,ASP_169,2.76,-0.85,-0.46,0.26
2CN1,ARG_253,13.21,-1.09,0.54,1.26
4FCU,CYS_128,11.62,0.05,2.57
3JZN,ASP_155,3,-1.23,-0.2,0.64
3LMO,ASP_6,3.28,-0.54,-0.32,0.34
3BWT,ASP_586,3.09,-0.6,-0.35,0.23
3GW3,GLU_48,4.65,0.12,0,0.03
1OIS,GLU_264,4.18,0.36,-0.07,-0.62
1UAJ,GLU_185,4.74,0.24,0,0
1XEU,LYS_296,10.53,-0.1,0,0.13
3M7D,ARG_283,13.8,-0.29,1.2,0.38
3CJW,GLU_347,4.62,0.63,0,-0.51
2QEV,TYR_58,10.48,0,0.25,0.23
3I82,TYR_160,10.37,0.02,0.1,0.17
3GA2,LYS_75,11.19,-0.38,0.55,0.51
2OPJ,ARG_15,12.38,-0.22,0,0.1
2OJQ,GLU_565,4.6,0.65,-0.33,-0.22
3COU,ASP_31,3.49,-0.83,-0.23,0.75
1FQI,ASP_306,1.41,-3.19,-0.67,1.46
2VGM,GLU_232,4.79,0.29,0,1.73E-18
3GE9,ARG_41,13.25,-0.51,0.66,0.6
2EFK,ARG_139,12.82,-0.29,0,0.6
1X7F,HIS_58,5.87,-0.78,0,0.14
3DSH,TYR_266,10.73,0,0.06,0.67
2OYZ,LYS_4,10.59,-0.17,0,0.26
3E7P,LYS_212,10.38,-0.12,0,0
1GQE,CYS_274,11.1,-0.76,0.1,2.76
2D0A,ARG_246,11.83,-1.15,0.22,0.28
1MTZ,ARG_252,12.58,-0.35,0,0.43
1Q46,GLU_123,3.92,0.32,-0.19,-0.71
1WNH,ARG_115,12.46,-0.06,0,0.02
1LZL,GLU_187,6.91,2.38,0,0.04
3BA1,CYS_122,9.62,-0.02,-0.02,0.67
2GZQ,GLU_8,4.64,0.17,0,-0.03
1SBX,ARG_100,13.36,-0.36,0.71,0.51
2OQ7,LYS_449,9.01,-1.5,0,0
3F53,HIS_72,5.98,-0.76,0,0.24
3IL3,ASP_184,2.91,-1.67,0,0.78
3O7K,GLU_59,3.65,0.37,-1.2,-0.02
3ETV,LYS_213,10.6,-0.16,0,0.26
1LZL,ASP_231,2.36,-1.81,-0.16,0.54
1GQE,ASP_71,3.59,-0.85,-0.18,0.82
2H2W,TYR_151,11.97,0.85,0.24,0.88
3Q1C,GLU_316,4.56,0.06,0,0
3S0A,LYS_99,10.07,-0.57,0,0.14
2B2H,LYS_243,10.4,-0.1,0,0
1U7U,TYR_207,9.97,0,-0.22,0.2
3N0K,CYS_60,11.57,-0.63,-0.52,3.73
3T57,GLU_300,4.84,0.16,0,0.17
2PPN,CYS_22,11.29,0,0.12,2.16
1XIP,ASP_6,3.92,0,-0.02,0.15
1PVT,TYR_57,10.07,-1.07,-0.03,1.17
1MD6,ASP_103,2.94,-0.81,-0.39,0.34
1TLV,ASP_261,2.57,-1.46,-0.27,0.51
2X4G,CYS_157,9.75,0,-0.26,1.01
1CHD,GLU_218,4.35,1.73,-1.56,-0.33
2XJ4,ARG_185,11.97,-1.34,0.09,0.73
3A0X,ARG_616,13.66,-0.23,0.92,0.47
2A4D,GLU_151,4.31,0.38,-0.51,-0.07
2Q13,GLU_223,4.63,0.13,0,0
3RKV,ARG_333,12.43,-0.07,0,0
3VHJ,ARG_69,12.47,-0.26,0,0.22
2GZQ,ASP_26,2.91,-0.78,-0.38,0.28
3C6B,TYR_78,10.28,-0.48,-0.15,0.91
1TXJ,GLU_12,5.05,0.6,0,-0.05
1Z9L,TYR_52,13.72,0.77,0.43,2.52
1WP5,GLU_174,4.22,0.66,-0.84,-0.1
3N0K,LYS_51,10.61,-0.28,0,0.38
3V55,LYS_661,10.46,-0.06,0,0.02
3IBT,ARG_146,11.62,-1.31,0,0.42
2G9D,ASP_272,3.85,0,-0.12,0.16
4E9E,HIS_561,6.03,-0.24,0,-0.23
2H14,LYS_78,9.08,-0.36,0,-1.07
3N2T,ASP_4,3.61,-0.72,-0.4,0.93
2B6P,GLU_3,4.55,0.16,0,-0.11
2Q13,GLU_53,4.65,0.15,0,0
2QOPLYS_6,10.91,-0.25,0.66,0
3G9G,ARG_5,12.57,-0.43,0.51
1JYH,GLU_61,4.58,0.08,0,0
2BQQ,LYS_112,10.31,-0.35,0,0.16
4DEZ,GLU_102,3.75,1.09,-1.52,-0.33
1RAJ,GLU_254,4.66,0.17,0,-0.01
2Q12,LYS_130,11.35,-0.56,0.83,0.57
3US6,CYS_115,11.21,-0.02,0.14,2.1
1SI7,CYS_109,11.05,-0.36,0.1,2.3
1XEU,LYS_57,10.18,-0.35,0,0.04
1PV5,GLU_179,4.94,0.33,0,0.1
1UOH,HIS_144,4.94,-2.67,0.81,0.3
3V4G,ARG_110,12.45,-0.12,0,0.07
2H2W,GLU_122,4.63,0.12,0,0.01
1WPA,GLU_472,4.57,0.07,0,0
2RIK,GLU_93,3.84,0.28,-0.52,-0.42
3BQW,GLU_137,6.45,5.01,-3.06,0
3C5V,GLU_209,4.99,0.28,0,0.21
2IXM,LYS_63,11.47,-0.51,0.63,0.85
3AUF,GLU_174,7.28,2.8,0,-0.02
3M3P,GLU_126,3.89,0.49,-0.78,-0.32
2XMX,GLU_35,4.64,0.13,0,0.01
2ZTY,LYS_176,9.79,-0.49,0,-0.22
3GV0,LYS_186,10.35,-0.22,0,0.07
2PLQ,ARG_176,11.38,-1.19,0,0.07
1R15,LYS_75,10.88,-0.17,0.19,0.35
3KEY,ASP_397,4.08,-0.67,-0.16,1.12
1NFN,LYS_146,10.24,-0.13,0,-0.13
3G9G,GLU_117,4.47,0.4,-0.17,-0.26
1DVO,ASP_89,3.69,0,-0.3,0.18
3ILC,GLU_179,5.14,1.66,-0.98,-0.03
1G5Z,LYS_136,11.15,-0.76,0.57,0.85
3K1H,GLU_81,4.44,0.27,-0.27,-0.06
1D2K,HIS_54,4.4,-2.18,0,0.07
2SA,ARG_445,12.14,-0.34,0,-0.02
1DOV,TYR_222,10.41,0,0.06,0.35
3EX9,GLU_103,3.6,0.32,-0.86,-0.35
2IF4,TYR_67,12.75,0.05,6.2,1.9
4AE7,TYR_215,10.42,0,-0.06,0.47
2D25,LYS_740,11.01,-1.44,0.85,1.09
2YT4,GLU_502,4.69,0.18,0,0.01
1KW4,ASP_34,3.95,0,-0.05,0.2
1NAR,ASP_203,3.02,-0.69,-0.35,0.26
1RHS,LYS_223,9.99,-0.7,0,0.19
2EYI,LYS_121,10.44,-0.13,0,0.07
3HVV,GLU_257,4.63,0.13,0,0
3PAC,ARG_94,12.5,-0.28,0,0.28
1FQI,ASP_386,3.75,-0.44,-0.38,0.76
2GZR,GLU_305,4.4,0.45,-0.63,0.08
3AU3,GLU_468,4.32,0.24,0,-0.42
2B61,TYR_171,12.32,0.36,0.52,1.45
3LH5,GLU_756,4.41,0.25,0,-0.33
2Q12,LYS_173,10.53,-0.18,0,0.21
2RIK,ARG_105,13.05,-1.08,0.77,0.86
1ZBP,ASP_115,3.32,-0.85,-0.03,0.4
2IQT,GLU_83,4.63,0.28,0,-0.14
3TIR,ARG_185,12.24,-0.41,0,0.16
3CO1,GLU_13,3.55,0.12,-1.06,-0.01
2DFL,ARG_284,13.42,-2.13,1.51,1.54
2QDJ,HIS_281,5.25,-1.33,0.45,-0.37
2BAA,ASP_135,3.19,-0.98,-0.02,0.4
1YLN,LYS_75,10.49,-0.11,0,0.09
1RAJ,LYS_220,10.2,-0.3,0,0
3HVM,HIS_202,11.69,-3.08,2.45,6.32
3DSH,ARG_432,12.41,-0.59,0,0
2VAN,LYS_206,10.48,-0.24,0,0.22
2HP7,ARG_119,12.19,-0.81,0,0.49
2OEW,ASP_143,3.67,0,-0.43,0.3
1UXO,GLU_124,4.36,0.23,-0.34,-0.02
2FBQ,ARG_179,12.22,-0.32,0,0.05
1K95,ASP_104,3.93,0,-0.05,0.17
3V4G,ARG_48,12.23,-0.27,0,0

2POL,GLU_4,4.62,0.15,-0.21,0.18
 3N2T,ASP_223,3.75,-0.29,0,0.24
 3EJG,ASP_50,3.74,-0.74,-0.37,1.05
 1T95,LYS_105,9.83,-1.34,0.26,0.4
 3EVN,ASP_274,3.92,0,0,0.12
 3LMF,GLU_89,4.45,0.31,0,-0.36
 2P65,LYS_104,10.39,-0.22,0,0.11
 3H5T,ASP_101,3.91,0,0,0.11
 2X4G,ARG_237,11.19,-2.72,0.42,1
 2X4J,TYR_123,10.51,0,0.17,0.34
 2ZOM,LYS_97,10.41,-0.22,0,0.14
 1LFP,LYS_220,9.95,-0.55,0,0
 3CBN,HIS_40,6.27,-0.64,0.2,0.21
 1V8E,ARG_114,12.54,-0.24,0.03,0.25
 1X6J,LYS_40,10.36,-0.45,0,0.31
 1SJJ,ARG_24,12.77,-0.24,0.14,0.37
 3IL3,ASP_72,3.29,-0.64,-0.21,0.34
 3UC9,HIS_176,4.11,-2.52,0,0.13
 2OSA,ASP_433,3.57,-0.43,0,0.2
 1WYC,TYR_81,10.3,0.05,0,0.25
 1L2F,GLU_46,4.96,0.47,0,-0.01
 1OIS,ASP_276,2.77,-1.52,-0.02,0.5
 3NOK,LYS_32,10.01,-0.71,0,0.23
 1SNT,CYS_125,12.18,0.03,0.28
 3BQW,ASP_175,4.03,0,0,0.23
 4ETX,ARG_256,12.52,-0.14,0,0.16
 2XMZ,ARG_187,12.68,-0.79,0.46,0.51
 1KW4,ASP_38,4.21,0,0.1,0.31
 3TIR,ARG_141,12.69,-0.94,0.8,0.33
 2Q98,GLU_131,4.87,0.84,-0.45,-0.03
 1OTM,LYS_89,10.55,-0.2,0.24
 2BT8,ASP_259,2.79,-1.4,-0.08,0.47
 1FKM,TYR_629,9.86,-0.04,-0.37,0.27
 2D7J,HIS_82,3.51,-3.26,0.27,0
 2G7O,GLU_118,4.34,0.4,-0.56,0
 1O17,GLU_259,4.6,0.33,0,-0.23
 1WPS,HIS_323,6.39,-0.12,0,0.01
 2ZOM,HIS_203,6.9,-0.42,0.52,0.29
 4FZR,CYS_286,11.36,0,-0.09,2.44
 4E8B,ARG_220,12.34,-0.16,0,0
 1WNH,TYR_23,11.39,-0.8,0.27,1.92
 3BPV,ASP_118,3.84,0,-0.11,0.14
 1P4X,HIS_45,4.93,-1.38,0,-0.19
 3RFY,LYS_138,10.43,-0.06,0,-0.01
 3CIV,GLU_159,3.93,0.37,-0.56,-0.37
 2EDM,ASP_86,2.85,-1.11,-0.12,0.29
 1XFK,TYR_88,11.63,-0.04,0.31,1.35
 1P4X,GLU_250,4.5,0.33,0,-0.34
 1SQW,GLU_14,3.99,0.34,-0.37,-0.48
 2RIK,LYS_32,10.39,-0.21,0,0.1
 2PPN,LYS_44,10.31,-0.09,0,-0.1
 1YLN,ARG_136,11.94,-0.24,0,-0.32
 1TD6,LYS_110,10.51,-0.15,0,0.16
 1GPP,TYR_101,10.35,0,0,0.35
 1QVI,TYR_361,11.51,0,0.49,1.01
 2X4G,ARG_33,12.22,-0.52,0,0.24
 2IIA,LYS_70,10.14,-0.36,0,0
 2BCF,LYS_262,10.43,-0.07,0,0
 2JHY,LYS_135,9.97,-0.21,0,-0.31
 1XFK,ARG_25,12.94,-0.46,0.76,0.15
 2G55,ASP_104,3.92,0,0,0.12
 2OEW,ASP_321,3.71,-0.54,-0.02,0.46
 2ZCX,GLU_127,4.34,0.28,-0.44,0
 2HZZ,ASP_48,2.82,-1.35,-0.1,0.47
 1WOU,GLU_109,4.01,0.34,-0.8,-0.03
 2BDD,TYR_83,12.83,0.86,1.98
 1LPL,ASP_215,4.68,0,-0.03,0.91
 3FHF,TYR_199,10.28,0,-0.07,0.36
 1SNT,GLU_323,4.54,0.1,0,-0.06
 3EGN,ARG_391,12.71,-0.2,0.09,0.32
 2NSN,ARG_69,12.52,-0.33,0.08,0.27
 3QAV,CYS_75,11.62,-0.07,-0.95,3.65
 4DEZ,ASP_24,2.87,-1.03,-0.43,0.53
 1E55,TYR_63,13.58,0.8,0.39,2.38
 4FZR,GLU_269,4.57,0.07,0,0
 3DHN,ARG_123,12.02,-0.67,0,0.18
 3ANJ,ASP_45,3.78,0,-0.26,0.24
 3IRA,ASP_63,2.78,-1.35,-0.38,0.71
 2EFK,CYS_248,9.64,-0.54,0.1,1.07
 1XFK,LYS_290,10.34,-0.3,0,0.14
 1SNT,CYS_164,11.43,-1.88,0.16,4.14
 1MUF,CYS_318,12.22,-0.15,0.12,3.24
 1X8F,LYS_154,9.42,-0.76,0,-0.31
 3GW3,ASP_54,3.57,-0.5,-0.12,0.39
 1D2K,ASP_301,3.71,-0.03,-0.27,0.22
 2QRX,ARG_28,12.15,-0.26,0,-0.08
 3IOC,HIS_301,6.25,-0.82,0,0.57
 1U53,LYS_63,12.44,-0.55,1.61,0.88
 3BWT,ASP_750,3.88,-0.03,-0.34,0.44
 2B6P,CYS_144,10.62,-0.08,-0.05,1.75
 3E5T,LYS_44,10.43,-0.14,0,0.07
 3ANJ,LYS_287,9.64,-0.83,0,-0.03
 2FC3,GLU_44,4.53,0.29,0,-0.26
 3LQC,CYS_451,12.33,-0.95,0.04,4.23
 3NJM,ASP_70,2.3,-2.43,0,0.92
 4EZB,ARG_225,12.48,-0.53,0.03,0.49
 3CGW,GLU_263,4.96,0.29,0,0.18
 2IF4,LYS_50,11.22,-0.32,0.43,0.6
 1T6L,HIS_131,6.4,-0.1,0,0
 3ADO,ASP_170,3.15,-0.64,-0.32,0.31
 1GXN,TYR_494,13.81,0,0.38,3.44
 3C2E,ARG_166,10.96,-1.37,0,-0.17
 1I60,GLU_21,4.68,0.25,0,-0.07
 3G9G,ARG_90,12.4,-0.17,0,0.07
 3FK5,ARG_319,13.28,-0.82,0.83,0.77
 3V75,LYS_81,10.97,-0.75,0.64,0.59
 1PSW,TYR_169,10.25,-0.04,0,0.29
 1YTD,ASP_101,3.94,-0.5,-0.3,0.93
 3BQW,LYS_88,10.69,-0.4,0.15,0.44
 3R87,HIS_6,7.14,-0.4,0.85,0.19
 1X1E,GLU_88,4.73,0.29,0,-0.06
 3NF1,TYR_179,7.8,-0.41,-0.08,0.27
 3RFY,LYS_315,10.42,-0.08,0,0
 3FHF,ARG_136,13.51,-3.36,1.08,3.29
 1S17,ARG_136,13.83,-0.45,1.29,0.49
 3T57,LYS_327,10.16,-0.55,0,0.2
 1WPA,LYS_496,11.43,-0.3,0.47,0.75
 3LPZ,GLU_18,4.5,0.21,0,-0.21
 2FBI,ARG_5,12.46,-0.04,0,0
 2EYI,LYS_214,11.03,-0.16,0.3,0.39
 3IVF,CYS_286,11.17,0,-0.05,2.23
 2R4Q,ASP_190,3.96,0,-0.1,0.26
 2YLF,GLU_145,4.32,0.3,-0.5,0.01
 3FS3,LYS_59,10.53,-0.23,0,0.26
 1H09,TYR_176,12.43,0,0.24,3
 3RLN,HIS_601,3.25,-2.94,0.78,-1.08
 3P2F,GLU_29,4.04,0.42,-0.4,-0.48
 3LH5,ARG_544,13.63,-0.31,0.75,0.69
 2O0K,GLU_351,4.43,0.42,0,-0.49
 1R3F,ASP_238,3.19,-1.55,-0.46,1.4
 3K8J,LYS_74,9.79,-0.47,0,-0.24
 1MD6,GLU_111,4.54,0.87,-0.82,-0.01
 3DSH,GLU_222,3.86,0.39,-0.37,-0.65
 1ZCE,CYS_68,10.42,-0.11,0.09,1.45
 3G65,CYS_31,10.78,-0.12,0.05,1.85
 1SQW,LYS_78,10.35,-0.13,0,0.1
 2R51,ARG_294,12.96,-2.24,1.45,1.25
 3RFY,ASP_242,3.36,-0.84,-0.41,0.8
 3ERF,ARG_171,12.56,-0.16,0,0.22
 3CGW,LYS_212,10.94,-0.28,0.04,0.68
 2AHE,GLU_83,4.46,0.16,0,-0.2
 3C6B,GLU_255,4.7,0.28,0,-0.08
 3F5D,LYS_140,10.4,-0.12,0,0.02
 3IU5,LYS_102,10.33,-0.17,0,0
 2XHC,LYS_300,10.54,-0.05,0,0.09
 2FXT,GLU_334,4.71,0.21,0,0
 2EYI,GLU_142,3.27,0.38,-1.23,-0.38
 1F09,LYS_284,9.61,-0.74,0,-0.14
 1PVT,LYS_96,10.19,-0.4,0,0.08
 4DIU,GLU_109,4.59,0.99,-0.73,-0.16
 1P2F,CYS_62,11.86,0,0.05,2.81
 3V3T,TYR_72,10.25,0,0,0.25
 2CIU,ASP_130,1.52,-2.43,-0.56,0.72
 2ATR,ARG_80,12.35,-0.15,0,0
 3EX9,ASP_88,4.14,0,0.12,0.22
 2FB6,TYR_26,9.09,-1.36,-0.01,0.47
 4FH3,ASP_59,3.59,0,-0.36,0.17
 2RGY,ASP_229,3.71,0,-0.48,0.38
 1G8PLYS_130,10.45,-0.05,0,0
 3IOC,ARG_161,12.37,-0.13,0,0
 1Y2Q,GLU_12,3.61,0.36,-0.6,-0.65
 2BLL,GLU_366,4.78,0.28,0,0
 3IVF,CYS_243,12.43,0.17,3.26
 1FKM,LYS_257,10.04,-0.26,0,-0.19
 2CE6,TYR_69,11.96,0.67,0.24,1.05
 1O9G,ARG_229,11.62,-0.88,0,0
 2I88,ASP_408,3,-1.1,-0.05,0.35
 2AXO,ASP_139,3.72,0,-0.4,0.32
 1Q42,TYR_172,10.37,0.12,0.25
 3MTT,GLU_512,4.46,0.35,0,-0.39
 1NIJ,ARG_317,12.55,-0.32,0,0.37
 3ETV,LYS_163,10.42,-0.12,0,0.03
 2YT4,HIS_517,6.07,-0.32,0,-0.11
 2NSN,GLU_84,4.69,0.33,0,-0.14
 1R29,TYR_91,11.87,-0.74,-0.13,2.75
 2POY,ASP_146,3.47,-0.36,-0.15,0.18
 3CNU,CYS_51,10.21,-0.64,0.12,1.74
 1PV5,GLU_185,4.69,0.53,0,-0.35
 1BN6,GLU_154,4.51,0.13,0,-0.11
 4DND,LYS_77,10.35,-0.15,0,0
 2AXO,LYS_127,10.33,-0.17,0,0
 2ILR,GLU_279,4.63,0.13,0,0
 2H85,ASP_267,2.59,-1.61,-1.06,1.46
 3ON1,ASP_54,3.4,-0.42,-0.24,0.27
 2QEV,LYS_99,10.33,-0.19,0,0.02
 1TR9,ARG_34,12.76,-0.92,0.59,0.58
 2WOZ,GLU_572,3.66,0.38,-0.61,-0.61
 2GYZ,HIS_43,6.63,-0.22,0.17,0.18
 2G9D,GLU_71,5.78,2.07,-0.87,0.08
 1Q8B,LYS_89,10.57,-0.15,0,0.22
 1ZBM,HIS_33,4.35,-1.53,0,-0.62
 3OKQ,ASP_662,4.04,0,0,0.24
 3QKY,ARG_168,13.01,-0.39,0.24,0.66
 1QYI,GLU_28,5.66,3.65,-0.93,-1.57
 1Q8B,LYS_36,10.93,-0.61,0.62,0.42
 4F8A,LYS_650,10.26,-0.26,0,0.02
 2QV2,LYS_156,10.28,-0.22,0,0
 1O6D,HIS_21,5.99,-0.37,0,-0.14
 2WZ9,GLU_14,4.5,0,0,0
 2PIM,ARG_93,12.26,-0.24,0,0
 1O0X,GLU_123,4.08,0.34,-0.61,-0.15
 1R7J,LYS_72,10.45,-0.12,0,0.07
 3LH5,ARG_715,12.1,-0.43,0,0.03
 2JHY,ARG_180,11.9,-1.02,0,0.41
 2D8N,CYS_39,10.41,0,0.14,1.27
 3GV0,ASP_157,3.94,0,0,0.14
 3QKY,GLU_255,4.71,0.18,0,0.04
 1J74,ARG_124,13.28,-0.42,0.69,0.51
 3TOW,ARG_142,12.29,-0.21,0,0
 3E7P,ASP_117,4.1,-0.75,-0.38,1.42
 3ETU,LYS_59,10.49,-0.11,0,0.1
 1EQ6,ASP_213,2.61,-1.56,0,0.37
 2CWC,ARG_10,12.15,-0.92,0.01,0.57
 1ZBS,TYR_231,12.07,-1.18,0.77,2.48
 3K9I,TYR_77,10.71,0,0.03,0.69
 1NWA,HIS_155,4.47,-2.79,0.84,-0.08
 3F5D,GLU_165,4.79,0.41,0,-0.11
 1SQW,HIS_82,4.73,-1.23,0,-0.54
 1XTD,ASP_122,3.67,-0.51,0.18,0.2
 2B78,LYS_311,5.69,-0.77,0.6,-0.65
 2DFL,LYS_81,10.2,-0.3,0,0
 1X04,ASP_110,4.75,0,0.09,0.87
 1Q46,LYS_77,10.52,-0.2,0.0,0.23
 1H09,CYS_45,9.82,-0.21,0,1.03
 2YX0,ARG_233,12.3,-0.31,0,0.11
 1FKM,LYS_608,10.46,-0.17,0,0.12
 2VGM,ASP_380,3.9,-0.41,0.09,0.41
 1MJS,HIS_288,7.11,-0.3,0.83,0.07
 2HZZ,CYS_117,12.17,0.07,3.11
 1AKO,ARG_267,12.43,-0.07,0,0
 1V6T,HIS_62,4.58,-3.55,0.78,0.85
 3M7G,HIS_260,6.88,-0.94,0.77,0.56
 2APL,TYR_127,11.39,-0.32,0.34,1.38
 1UOH,GLU_204,4.48,0.19,0,-0.21
 2YYO,TYR_65,11.15,-1.84,0.29,2.71
 3GA2,HIS_237,6.63,-0.21,0,0.34
 2QDJ,LYS_80,10.54,-0.17,0,0.21
 3MEW,CYS_243,10.09,-0.22,0.17,1.15
 3FS3,ASP_119,3.16,-0.56,-0.28,0.2
 1YTQ,ARG_88,12.52,-0.19,0,0.21
 4GCO,GLU_226,4.45,0.24,0,-0.29
 1FHL,TYR_111,11.75,0.85,0.38,0.52
 2OKT,LYS_200,10.64,-0.26,0,0.39
 3BKZ,GLU_327,4.79,0.1,0,0.18
 2E3I,GLU_79,4.61,0.11,0,0
 1PBV,LYS_78,10.5,-0.19,0,0.2
 1SNT,LYS_262,10.31,-0.19,0,0
 1WLY,HIS_299,5.66,-0.59,0,-0.25
 1YIB,ARG_222,12.47,-0.22,0,0.2
 3C5V,GLU_140,4.67,0.19,0,-0.01
 3F7M,HIS_176,4.01,-3.01,0.81,-0.28
 1WJG,TYR_45,10.15,-0.02,0.16
 1HUF,HIS_62,5.59,-0.86,0.1,-0.15
 3LD1,LYS_66,10.16,-0.3,0,-0.04
 1T95,ASP_67,3.81,0,-0.15,0.16
 1X9G,ASP_141,3.72,0,-0.4,0.32
 2ZCO,TYR_192,10.75,0.16,0.6,0.58
 3M7G,ARG_14,12.88,-0.3,0.25,0.43
 3AU3,GLU_418,4.69,0.21,0,-0.02
 3NR5,TYR_144,12.66,0.11,1.05,1.49
 2E3I,LYS_98,10.31,-0.19,0,0
 1WLY,GLU_184,2.84,0.37,-1.39,-0.63
 1RSS,LYS_36,10.35,-0.15,0,0
 2YWX,LYS_85,10.46,-0.08,0,0.04
 1ZBM,GLU_121,4.7,0.82,-0.21,-0.41
 2OJQ,ASP_579,3.16,-0.85,-0.04,0.26
 1OQL,ARG_88,13.24,-0.47,0.57,0.64
 3ETV,ASP_123,3.7,0,-0.3,0.19
 1MIX,CYS_243,12.49,0.14,3.35
 3ERF,LYS_59,10.11,-0.68,0,0.29
 1PBV,GLU_211,4.44,0.23,0,-0.29
 1RWZ,TYR_59,12.39,-0.01,0.17,2.23
 2IIA,GLU_31,4.01,1.29,-1.63,-0.16
 3DZ1,HIS_254,5.24,-1.19,0,-0.07
 3T5B,ASP_333,4.19,0,-0.06,0.45
 1UAJ,ASP_69,3.58,-0.5,-0.55,0.83

1L3K,LYS_144,10.44,-0.06,0,0
1YOK,HIS_127,6.24,-0.23,0,-0.02
1ILW,LYS_28,10.82,-0.15,0,0.47
3RAZ,ASP_150,2.94,-0.77,-0.45,0.36
4EQU,ASP_211,4.26,-0.29,-0.07,0.83
3CCY,ARG_105,12.05,-0.78,0,0.32
3AOX,HIS_729,5.82,-1.99,0.78,0.53
2YLF,ARG_79,12.66,-0.49,0,0.64
1EV8,HIS_51,6.11,-0.24,0,-0.14
1PNE,ASP_75,2.82,-1.98,-0.53,1.52
3TMO,ARG_331,12.64,-0.1,0,0.23
3LPZ,ARG_204,12.05,-0.64,0,0.2
2XJ4,ARG_46,12.43,-1.17,0,1.1
1TP6,LYS_62,10.2,-0.3,0,0
4ETX,TYR_327,10.29,-0.68,-1.31,2.27
3DTE,ASP_152,3.92,0,-0.28,0.39
3R87,TYR_23,10.25,0,0.03,0.21
3US6,TYR_123,12.75,0,0.45,2.3
2O8I,GLU_53,4.37,0.41,-0.17,-0.36
4H4J,TYR_98,13.21,0.78,0,1.5,2.29
2JKF,LYS_73,11.09,-0.33,0.55,0.37
2E3I,LYS_127,10.45,-0.05,0,0
2Y2T,CYS_31,10.92,0.19,0.38,1.35
1XDZ,GLU_12,4.51,0.21,0,-0.2
1P1L,GLU_24,4.47,0.19,0,-0.23
1GXN,ARG_610,13.53,-0.39,1,17,0.24
2G9D,ARG_159,11.3,-1.29,0,0.08
3PBH,ASP_159,3.62,-1.32,-0.08,1.21
3Q1C,GLU_258,4.41,0.29,0,-0.39
3BJV,ASP_78,3.67,-1.18,-0.26,1.31
3G6S,LYS_1,10.35,-0.22,0,0.06
3KEY,GLU_409,5.51,1.08,0,-0.08
1OST,GLU_451,4.75,0.22,0,0.03
2PWQ,GLU_10,5.19,3.33,-2.17,-0.47
3BQW,GLU_320,4.34,0.33,-0.32,-0.17
1WP5,GLU_192,4.55,0.05,0,0
4EQU,GLU_263,3.56,2.04,-1.27,-2.07
1RZ2,HIS_140,6.63,-2.06,1.59,0.61
3ELI,GLU_130,4.95,0.37,0,0.08
3LJI,ASP_132,3.85,0,-0.09,0.14
3GFP,ASP_374,4.21,0,0.13,0.29
2E0T,HIS_171,5.34,-1.02,0,-0.13
1V6T,ARG_15,12.44,-0.06,0,0
1MN3,ASP_444,4.11,0,-0.05,0.35
2WOZ,ASP_458,2.64,-1.28,-0.34,0.46
1UJ8,GLU_21,3.56,1.12,-1.5,-0.56
3Q9P,GLU_160,4.4,0.22,-0.32,0
1SJ8,ASP_537,3.51,0,-0.6,0.31
3LE4,CYS_352,9.73,0.56,0,0.17
2B78,LYS_214,10.52,-0.17,0,0.2
3OBS,TYR_110,11.65,0.81,0.38,0.46
3OIP,ASP_104,3.96,0,-0.01,0.16
3IVF,TYR_26,10.65,0.12,0.28,0.25
1JB3,TYR_94,10.28,0,0,0.28
2O8P,GLU_204,4.41,0.26,0,-0.36
1JT9,GLU_117,5.02,1.47,-0.84,-0.1
2D7U,ASP_137,3.33,-0.19,-0.67,0.39
3DB9,ARG_24,13.64,-0.36,0.79,0.72
2BAA,GLU_89,3.66,1.01,-1.69,-0.16
1QQE,CYS_260,11.3,-0.01,-0.04,2.35
3GV0,ARG_212,13.14,-0.3,0.59,0.34
3G6S,TYR_207,12.21,0.54,0.82,0.84
2XMZ,ARG_128,12.27,-0.37,0,0.14
3UV9,TYR_448,10.91,0,0.15,0.75
1RKA,GLU_147,4.01,0.35,-0.82,-0.02
3BWT,LYS_655,11.63,-0.46,0.69,0.89
2DG7,ARG_119,12.4,-0.27,0,0.17
2R57,ARG_352,12.48,-0.04,0,0.02
3EYE,HIS_111,6.25,-0.41,0.2,-0.04
3B79,LYS_35,10.58,-0.23,0,0.32
2D2S,LYS_669,10.57,-0.24,0,0.31
1YOY,GLU_147,4.55,0.37,0,-0.32
2W0G,GLU_255,4.68,0.27,0,-0.08
4FZR,GLU_244,3.53,0.26,-0.85,-0.38
3U4K,LYS_74,10.6,-0.3,0.04,0.36
200K,GLU_198,4.91,0.56,0,-0.14
3EGN,GLU_414,4.61,0.12,0,0
3MIX,GLU_475,4.36,0.44,-0.12,-0.47
2D0A,ARG_207,12.66,-0.63,0.34,0.43
1D2K,LYS_229,11.56,-0.33,0.85,0.54
2IXM,GLU_29,4.51,0.65,0,-0.64
1AKO,LYS_141,10.4,-0.16,0,0.07
3ULX,TYR_165,10.78,0,-0.06,0.84
1SJV,TYR_83,10.84,-0.68,-0.77,2.3
3RXX,TYR_209,10.3,0.02,0.27
1EDG,ARG_333,12.18,-1.67,0.62,0.72
3MTT,GLU_534,4.58,0.33,0,-0.25
3DZ1,ARG_270,13.21,-1.6,1.37,0.94
1SNT,ARG_208,11.47,-1.11,0,0.08
3Q1C,ARG_94,13.22,-1.05,1.1,0.66
1QQE,LYS_23,10.49,-0.08,0,0.07
2W0Z,CYS_324,10.83,0,0.06,1.78
3CXZ,ARG_160,12.53,-0.36,0,0.4
1X8F,HIS_246,6.37,-0.13,0,0
3A7L,TYR_121,12.22,-0.85,0.41,2.66
3CAN,ARG_90,13.04,-0.43,0.52,0.45
2VAN,LYS_131,10.85,-0.17,0.03,0.48
1RWZ,GLU_94,4.64,0.14,0,0.01
3HNX,GLU_68,2.96,0.58,-1.52,-0.59
1OIS,GLU_228,4.08,0.27,-0.41,-0.29
3BB7,LYS_285,10.5,-0.19,0,0.2
1SBX,LYS_179,11.07,-0.51,0.58,0.5
1JT9,LYS_64,10.55,-0.14,0,0.19
3C5V,LYS_121,10.33,-0.2,0,0.03
3ETV,CYS_92,11.86,0.05,2.81
4ANN,ARG_67,12.45,-0.05,0,0
3H9W,ASP_125,2.84,-1.64,-0.09,0.78
1AKO,GLU_182,3.16,0.88,-1.8,-0.42
2P4D,ARG_160,12.52,-0.32,0.01,0.34
2P5D,ASP_2,3.75,0,-0.18,0.13
1YR6,LYS_138,10.69,-0.43,0.23,0.39
1KCM,HIS_64,7.2,-0.52,0.85,0.37
2WB3,HIS_281,6.48,-0.36,0.07,0.26
3M70,LYS_41,10.74,-0.14,0,0.39
1PNE,TYR_139,10.16,0,-0.06,0.21
1DTO,HIS_187,6.46,-0.47,0,0.43
2F8H,ASP_50,3.41,-0.67,-0.09,0.37
2VAN,HIS_197,6.64,-1.11,0.85,0.4
3COU,ARG_149,12.39,-0.11,0,0
2R4Q,LYS_197,10.46,-0.06,0,0.03
1TJE,LYS_213,10.79,-0.23,0,0.53
3G9T,TYR_216,11.88,0.63,0.33,0.92
2WB8,ARG_644,12.86,-0.45,0.23,0.58
3MTT,ARG_554,12.34,-0.15,0,-0.01
1BKR,HIS_25,6.22,-0.28,0,0
1L2F,LYS_94,10.35,-0.37,0,0.22
3ANJ,ASP_192,3.26,-0.81,-0.14,0.41
2OB5,GLU_132,2.12,1.15,-3.12,-0.42
1RSS,LYS_48,10.53,-0.2,0,0.23
1Q4Z,ASP_153,3.16,-0.93,-0.39,0.69
2OBI,LYS_31,10.39,-0.61,0,0.51
1R53,GLU_150,4.44,0.58,-0.19,-0.46
3PZ9,LYS_391,10.4,-0.11,0,0
3GW3,ARG_292,10.4,-1.84,0,-0.26
1RI6,GLU_79,3.82,0.34,-0.72,-0.3
1NIJ,TYR_183,10.24,0,-0.23,0.47
1Y0K,GLU_68,4.46,2.72,-1.7,-1.07
1XWM,ARG_78,12.34,-0.31,0.04,0.11
3F6F,GLU_203,3.55,0.33,-0.85,-0.43
3L3P,ASP_365,4.07,0,0,0.27
3F6F,ASP_173,3.47,-0.33,-0.37,0.36
2QVO,TYR_35,11.17,0.27,0.38,0.53
1MML,TYR_109,10.89,0,0.19,0.7
3GYW,LYS_47,10.33,-0.17,0,0
2AD1,ARG_73,11.98,-1.12,0.18,0.42
4GA2,LYS_133,10.42,-0.28,0,0.2
1MIX,ASP_201,2.96,-0.82,-0.39,0.37
1L3K,ARG_82,12.35,-0.16,0,0
1A8Q,ASP_7,3.83,0,-0.36,0.39
2JEO,LYS_192,11.6,-0.29,0.82,0.56
1O17,CYS_123,11.93,-0.57,0.02,3.48
1UAJ,LYS_235,10.57,-0.12,0,0.2
1FQI,LYS_406,10.33,-0.12,0,-0.05
4EF5,TYR_240,10.08,0.03,0.04
1VJG,TYR_158,13.62,-0.99,0.83,3.8
1RI5,ARG_108,12.28,-0.22,0,0
2WOZ,ARG_586,12.82,-0.2,0.15,0.38
3C5V,GLU_54,4.52,0.25,0,-0.24
3C6B,HIS_19,4.88,-1.81,0,0.19
2CYG,GLU_45,3.6,0.33,-0.85,-0.38
2W1R,ASP_80,4.25,0,0.17,0.27
1RI6,GLU_171,4.79,0.55,-0.05,-0.22
2QX8,LYS_124,11.04,-0.28,0.13,0.69
2ZCX,GLU_77,4.38,1.3,-0.74,-0.69
1BN6,LYS_274,10.51,-0.19,0,0.19
3V4G,LYS_52,10.3,-0.21,0,0.01
4H86,ASP_3,3.1,-0.53,-0.38,0.21
2OSA,ARG_295,12.6,-1.25,0.79,0.56
2P1W,GLU_128,4.79,0.27,0,0.02
4EQU,CYS_352,11.93,0.26,2.66
2ILR,ARG_524,12.33,-0.17,0,0
2R2Y,LYS_123,10.75,-0.19,0,0.45
2HRZ,ARG_111,13.42,-0.24,0.48,0.68
2YWX,TYR_146,10.35,0.13,0.22
1ZBM,ARG_193,13.73,-0.37,0.91,0.69
3V75,ARG_144,13.18,-0.81,0.81,0.68
1DOV,ARG_98,13.49,-0.26,0.62,0.62
1GPP,GLU_422,3.75,0.68,-0.58,-0.85
1YB2,HIS_32,6.2,-0.33,0,0.02
1K95,LYS_165,10.16,-0.25,0,-0.1
2EFK,ASP_161,3.39,-0.81,0.04,0.35
3U4K,LYS_78,10.59,-0.17,0,0.26
1T6L,ASP_134,3.85,0,-0.14,0.19
2CW4,ASP_7,3.64,-0.27,-0.08,0.18
1UAJ,ASP_40,4.12,0,-0.1,0.43
1AK1,TYR_267,10.75,-0.25,0.31,0.69
2QK0,ARG_93,11.98,-0.52,0,0
3QKY,ARG_163,11.92,-0.88,0,0.29
3L3P,ASP_269,3.48,-0.62,-0.05,0.35
3K9J,CYS_76,9.95,-0.01,0.14,0.82
2CL3,TYR_40,10.75,0,0.27,0.49
2AHE,LYS_106,10.44,-0.17,0,0.11
2PIM,ARG_29,13.46,-0.19,0.77,0.39
3IL3,GLU_285,4.53,1.82,-1.27,-0.52
3EVP,LYS_298,10.88,-0.34,0.25,0.47
2I88,GLU_361,4.62,0.16,0,-0.03
2BCF,ARG_247,13.69,-0.47,1,0.66
1YTQ,GLU_69,4.47,0.45,-0.44,-0.04
4FZT,GLU_115,4.54,4.1,-2.11,-1.95
2ZOW,TYR_61,9.62,-1.19,0,0.81
4FH3,HIS_170,4.89,-1.26,0,-0.36
1DOV,LYS_99,10.58,-0.14,0,0.22
1FKM,HIS_575,4.23,-2.99,0.72,0
3FFH,ARG_116,13.84,-2.31,1.69,1.95
3TIR,ARG_86,12.41,-0.09,0,0
2D2S,LYS_587,12.25,-0.56,1.7,0.61
2PLQ,HIS_26,6.82,-0.31,0,0.62
3CGW,LYS_293,11.43,-0.25,0.58,0.6
1BYI,TYR_187,10.39,0.13,0.27
3IDW,GLU_51,2.92,0.43,-1.62,-0.39
1VSM,CYS_125,11.11,-0.14,0.21,2.05
2QK1,TYR_492,10.21,0,-0.16,0.37
1R5Q,ASP_17,4.52,0,-0.11,0.83
4DVD,ARG_187,12.24,-0.47,0,0.21
3UV9,ASP_295,4.04,0,0,0.24
1VJG,GLU_102,4.02,0.3,-0.63,-0.16
3UPD,GLU_304,4.64,0.24,0,-0.1
2G9D,ARG_114,11.35,-1.4,0,0.24
2B78,LYS_384,10.25,-0.41,0,0.16
3CIV,TYR_65,11.14,0,0.2,0.94
2H85,ASP_39,3.1,-0.69,-0.38,0.37
1AM2,TYR_59,10.61,0,0.3,0.3
3ANJ,TYR_128,10.31,0,-0.05,0.36
1R3F,CYS_174,10.63,-0.8,-0.15,2.58
1E55,ARG_117,13.11,-0.46,0.63,0.44
3CBN,LYS_134,11.73,-0.53,0.85,0.9
3BCY,HIS_48,6.05,-1.02,0.56,0.01
3GV0,ARG_239,12.23,-0.31,0,0.04
2OB5,CYS_138,12.64,-0.73,0.92,3.45
2EJX,LYS_6,11.5,-0.36,0.84,0.52
4EQU,ARG_287,12.07,-0.78,0,0.35
1ILW,GLU_164,5.5,0.38,0.29,0.18
2CWC,ASP_75,3.56,-0.78,-0.15,0.68
2BDD,LYS_134,10.29,-0.19,0,-0.01
2RH3,GLU_94,4.75,0.13,0,0.11
4ETX,GLU_186,4.63,0.13,0,0
2EDM,GLU_182,4.038,-0.14,-0.74
1KCM,GLU_112,5.01,0.54,0,-0.04
2VSB,HIS_127,5.35,-0.74,0.85,0.74
1IAP,ARG_189,12.19,-0.34,0.03
3HVW,ASP_295,4.14,-0.11,0.13,0.32
3H8Y,GLU_32,4.43,0.17,0,-0.24
1R29,ASP_33,3.57,-1.08,-0.53,1.39
3V55,CYS_539,7.74,-1.8,-0.17,0.71
3K1H,TYR_141,10.63,0.04,0.34,0.24
2PGE,ARG_276,11.48,-1.17,0,0.16
1L2F,ARG_326,13.7,-0.44,1.23,0.41
1RLO,LYS_201,10.06,-0.57,0,0.13
2F8H,TYR_59,10.79,-0.85,-0.17,1.8
1R3F,GLU_164,4.11,0.21,-0.4,-0.2
3F7M,ASP_148,3.99,-0.83,-0.03,1.06
3EZ7,ARG_74,12.35,-0.15,0,0
1F09,ARG_300,12.61,-2.18,0.22,2.08
2CYG,TYR_204,11.31,0,0.1,1.21
2H2W,ARG_239,12.39,-0.38,0,0.27
2IRM,ARG_47,12.24,-0.82,0.56
2FBQ,GLU_69,4.75,0.25,0,0.01
1YR6,GLU_176,4.48,0.24,0,-0.26
1ZB5,HIS_279,5.95,-0.4,0,-0.15
2B2H,ASP_86,4.2,0,0,0.4
3EUR,ASP_107,11.42,-2.3,-0.55,0.47
4FCU,CYS_46,11.9,0,0.18,2.72
2V4U,GLU_322,4.67,0.34,0,-0.18
2P5D,LYS_54,10.48,-0.02,0,0
1XFK,ARG_285,12.57,-0.47,0,1.044
2ZCO,GLU_269,4.63,0.2,0,-0.06
2APL,GLU_26,5.04,1.48,-0.79,-0.16
3T5B,ASP_339,3.56,-0.53,0.12,0.17
1DOV,ASP_146,4.3,0,-0.33,0.84
2QEV,ARG_41,12.4,-0.45,0,0.34
1MD6,ASP_147,4.52,0,-0.05,0.77
3CAN,CYS_58,11.36,-0.36,0.2,73
3T5B,LYS_321,11.77,-0.58,0.65,1.21
3BT5,ASP_288,2.84,-0.89,-0.45,0.38
3GFP,CYS_31,11.29,0,0.07,2.22
2H2W,GLU_25,4.51,0.01,0,0

1X04,LYS_151,10.46,-0.11,0,0,06
 4E9E,HIS_574,6.58,-0.49,0.59,-0.02
 3V55,GLU_453,4.49,0.25,0,-0.25
 4EKU,LYS_303,10.56,-0.1,0,0,16
 1J79,GLU_257,4.62,0.24,0,-0.12
 4FZN,HIS_241,4.64,-1.99,0,0,12
 1QQE,ASP_133,3.82,-0.23,-0.17,0,42
 2BLL,TYR_463,13.82,-0.71,1.65,2.89
 2PLQ,ASP_5,3,-1.01,-0.05,0,26
 1N81,TYR_179,11.52,0,-0.17,1.69
 1VSM,LYS_116,9.93,-0.39,0,-0.18
 3Q1C,ASP_353,3.9,-0.03,-0.05,0,19
 2C13,GLU_36,4.27,0.26,-0.36,-0.14
 2F8H,HIS_11,5.02,-1.59,0,0,11
 2Y2T,GLU_51,4.41,0.31,0,-0.4
 1X1E,ARG_203,13.76,-0.32,1.19,0,39
 1AK1,ASP_149,4.17,-0.42,0,0,8
 3EYE,HIS_17,6.13,-1.24,0.85,0,03
 3OOP,GLU_140,4.75,0.25,0,0
 1X7F,ARG_297,13.06,-1.41,1.21,0,77
 3V75,GLU_160,3.31,0.25,-1.45,0
 1NIJ,GLU_267,4.84,0.34,0,0
 4F85,ASP_71,3.17,-0.81,-0.06,0,23
 3ETV,LYS_15,10.47,-0.1,0,0,17
 1BYI,ASP_67,3.98,0,0,0,08
 4HDE,LYS_48,10,0,-0.12,0,0,12
 3RFY,ASP_130,3.85,0,-0.2,0,26
 2VAN,ARG_102,13.85,-0.38,1.35,0,38
 3CCY,TYR_171,11.32,0,0.15,1,18
 2BT8,HIS_221,5.92,-0.4,0,-0.19
 2O8I,GLU_34,4.62,0,12,0,0
 2HNG,ARG_22,13.96,-0.56,1.56,0,46
 2AOJ,ARG_143,12.28,-0.28,0,0,07
 3JV1,GLU_108,4.11,0.73,-0.63,-0.5
 1S7K,TYR_172,10.78,-0.22,0.07,0,93
 3L3P,ARG_534,12.49,-0.15,0,0,14
 2DVK,GLU_125,4.53,0.05,0,-0.02
 1EQ6,ASP_62,3.85,-0.09,0,0,14
 2R51,ARG_137,12.43,-0.08,0,0,01
 3CAN,TYR_137,10.54,0,0.26,0,28
 3US6,LYS_15,10.53,-0.16,0,0,19
 3GG6,GLU_66,4.12,0.31,-0.51,-0.17
 3CX5,TYR_177,10.76,0.05,0.56,0,2
 1AKO,GLU_243,4.17,0.38,-0.34,-0.37
 2YLF,GLU_56,3.21,1.3,-1.7,-0.89
 2H01,LYS_53,10.33,-0.18,0,0,02
 3MEW,LYS_230,10.4,-0.19,0,0,08
 3RLE,GLU_147,4.73,0.19,0,0,05
 1QVI,LYS_94,11.5,-0.55,0.85,0,71
 3CSV,ARG_199,12.31,-0.24,0,0,05
 3DTE,ASP_93,4.15,-0.01,0.17,0,19
 4FZN,GLU_102,4.75,0.95,-0.44,-0.26
 4EF5,HIS_185,6.48,-0.26,0.24,0
 2RJD,ASP_227,3.95,-0.01,0,0,16
 2ATR,ASP_14,3.78,0,-0.34,0,32
 3EGN,LYS_429,9.92,-0.2,0,-0.38
 1P4X,ASP_222,2.78,-0.85,-0.38,0,21
 3B21,TYR_90,11.63,0.5,2.0E-18,1.64
 2RGY,HIS_318,6.99,-0.95,0.85,0,6
 1YB2,ASP_44,3.51,-1.69,-0.05,1.45
 3EVP,LYS_210,10.46,-0.13,0,0,09
 3QKY,TYR_82,12.23,0,0.82,1.41
 1T95,GLU_136,4.41,0.25,0,-0.34
 3S0A,CYS_47,12.59,-0.04,0.03,3.61
 3AU3,ARG_401,12.43,-0.07,0,0
 3Q1C,GLU_91,3.68,1.67,-1.94,-0.54
 3M70,GLU_253,4.22,0.28,0,-0.22
 2G3A,ASP_100,3.96,-0.85,0,1,01
 2HP7,HIS_59,3,-3.5,0,0
 3M7G,ARG_83,13.09,-0.65,0.7,0.54
 2WB8,LYS_595,11.08,-0.2,0.19,0.59
 1T95,GLU_230,4.91,0.24,0.28,-0.11
 1H09,ASP_169,3.34,-0.69,0,0.23
 3DTE,ARG_136,13.19,-0.16,0.57,0.29
 2QZQ,TYR_82,10.3,0,-0.23,0,53
 1FHL,GLU_276,4.64,0.38,0,-0.24
 1PGV,LYS_269,10.67,-0.18,0,0.35
 2AZP,TYR_273,11.43,0,0.07,1.36
 3HUE,TYR_167,10.57,-0.46,-0.08,1.1
 3U2R,TYR_46,10.18,-0.65,-0.42,1.23
 1O6D,HIS_126,6.42,-1.03,0.82,0.14
 2Z61,GLU_27,3.55,0.31,-0.85,-0.41
 3CE7,ASP_16,3.21,-0.92,-0.02,0.35
 3C2E,ARG_107,12.34,-0.44,0,0.28
 3BCY,LYS_90,10.29,-0.21,0,0
 2FD4,TYR_506,10.38,-0.37,0.21,0.53
 2RIK,LYS_7,10.67,-0.26,0,0.42
 3Q1C,GLU_368,5.29,0.79,0,0
 3IRA,CYS_95,10.86,0,-0.21,2.08
 3H04,ASP_193,2.57,-1.65,0,0.42
 2B78,TYR_166,12.26,0,-0.28,2.54
 2FXT,GLU_245,4.09,0.41,-0.75,-0.06
 1EQ6,HIS_196,6.25,-0.28,0,0.03,0
 1RHS,ARG_116,10.36,-2.83,0,0.68
 3G53,ARG_258,11.93,-1.96,0.66,0.73
 1PV5,ARG_12,12.1,-0.42,0,0.02
 3EIZ,LYS_10,10.44,-0.08,0,0.01
 3PP8,HIS_7,4.4,-2.1,0,0
 1XFK,HIS_310,6.33,-0.35,0,0.17
 1GPP,ARG_414,11.68,-0.85,0,0.03
 4EVF,GLU_124,4.73,0.18,0,0.06
 2YT4,GLU_701,5.93,1.97,-0.34,-0.2
 2JEO,ARG_175,12.27,-0.23,0,0
 2CE6,TYR_89,11.79,0.85,0.47,0.46
 3GA2,GLU_173,4.8,0.23,0,0.07
 3RRQ,ARG_112,12.22,-0.21,0,-0.07
 2WOZ,LYS_476,10.59,-0.25,0,0.34
 2PP6,LYS_9,10.42,-0.13,0,0.05
 3T5B,GLU_305,4.93,2.06,-1.46,-0.16
 2J8A,TYR_275,11.45,-0.3,0.26,1.5
 3LJC,TYR_229,10.14,-0.02,0,0.16
 3E5T,LYS_120,10.39,-0.23,0,0.11
 3CNU,TYR_42,10.69,0.0,19,0.5
 1P2F,LYS_112,10.57,-0.26,0,0.32
 1WXQ,HIS_48,4.44,-2.18,0.12,0
 2FZ4,TYR_29,12.15,-0.16,0.11,2.2
 1OIS,HIS_165,6.09,-0.34,0,0,03
 2WOZ,TYR_348,11.92,0.0,47,1.49
 3HVW,GLU_225,4.89,0.27,0,0.12
 1P1L,GLU_87,4.57,0.07,0,0
 3IDW,LYS_64,10.43,-0.23,0,0.15
 3PBH,LYS_141,10.43,-0.57,0,0.5
 3CQ1,ARG_97,12.2,-0.37,0,0.06
 1NAR,ASP_202,3.67,-0.5,-0.04,0.41
 1ES9,ASP_16,1.86,-2.35,-0.08,0.49
 4ETX,GLU_409,4.71,0.21,0,0
 1G5Z,ASP_152,1.9,-1.68,-0.69,0.47
 2EFK,GLU_64,4.64,0.14,0,0
 4H86,GLU_76,4.73,0.33,0,-0.1
 3F1X,TYR_23,10.15,0,0.15
 2D2S,LYS_680,10.64,-0.18,0.03,0.3
 3MEW,ARG_207,13.49,-0.55,0.79,0.75
 3G9T,ARG_87,13.5,-1.1,3.9,0.61
 2FXT,ASP_281,3.63,-0.73,-0.39,0.95
 1AM2,ARG_62,11.83,-0.36,0,-0.32
 3TIR,ARG_206,12.39,-0.11,0,0
 3OA7,GLU_24,5.09,0.24,0,0.34
 3P2F,HIS_98,6.34,-0.24,0.34,-0.26
 2EFK,LYS_262,10.45,-0.05,0,0
 3HQ6,ASP_32,4.3,0,-0.27,0.77
 2FD4,ASP_489,3.99,0,0.04,0.15
 2H2W,TYR_290,9.07,-0.95,-0.36,0.38
 1CHD,ARG_257,13.08,-0.41,0.51,0.49
 1Q8B,LYS_44,11.69,-0.29,0.85,0.63
 1R16,ASP_221,2.51,-2.12,-0.81,1.64
 1WOU,TYR_99,10.78,0.0,12,0.66
 3ONT,TYR_142,10.09,0,0,0.09
 2EJB,HIS_181,7.26,-0.82,1,0.58
 1F09,ARG_122,13.01,-0.63,0.73,0.41
 2RJD,LYS_405,10.37,-0.19,0,0.06
 2V1L,GLU_127,4.35,2.43,-2.47,-0.12
 1GPP,HIS_442,7.16,-0.55,0.84,0.37
 4EKU,LYS_145,10.63,-0.17,0,0.32
 1YR6,TYR_187,10.11,0,-0.22,0.34
 2BAA,TYR_237,11.17,0,0.32,0.85
 1EW4,LYS_74,10.44,-0.07,0,0.02
 2F8H,ARG_90,12.89,-0.72,0.77,0.34
 1S1G,CYS_295,11.01,0,0.09,1.91
 3J5N,GLU_234,4.04,0.37,-0.78,-0.05
 3FRR,ARG_16,12.48,-0.29,0,0.26
 1F09,GLU_382,2.98,0.38,-1.54,-0.37
 3ELI,LYS_66,11.05,-0.62,0.83,0.33
 3JZN,LYS_342,10.59,-0.08,0,0.16
 2C2Y,ASP_220,2.78,-1.18,-0.21,0.37
 1EW4,HIS_70,6.23,-0.85,0.5,0.08
 1ZCE,GLU_28,2.84,0.76,-2.37,-0.05
 2AD1,GLU_182,4.89,0.44,0,-0.06
 2B02,ASP_404,1.9,-2.03,-0.61,0.74
 4GCO,GLU_246,3.69,0.79,-0.85,-0.76
 3FGM,HIS_44,6.31,-2.03,0.33,1.52
 4FH3,LYS_60,10.66,-0.08,0,0.25
 2QZQ,ARG_149,12.96,-1.1,0.98,0.57
 4FH3,GLU_353,5.47,1.31,0,-0.34
 1KW4,GLU_54,4.78,0.34,0,-0.06
 2O4D,LYS_9,10.43,-0.07,0,0
 3U4K,TYR_92,11.06,0,0,1.06
 3IL3,GLU_225,3.05,0.96,-1.56,-0.86
 2OPJ,ARG_45,12.42,-0.08,0,0
 3M7D,HIS_360,6.38,-0.24,0,0.12
 1ZCU,ARG_47,12,-0.71,0,0.21
 2JEO,ARG_55,12.52,-0.18,0.09,0.1
 3R87,LYS_115,10.33,-0.22,0,0.05
 2CW4,GLU_42,4.59,0.09,0,0
 4F3J,LYS_187,10.53,-0.1,0.0,13
 1U3Y,LYS_323,10.42,-0.08,0,0
 3N0K,GLU_25,3.85,1.53,-1.12,-1.06
 2IQT,TYR_40,10.63,0.06,0.58
 2XJ4,GLU_165,4.49,0.31,0,-0.32
 3GA2,LYS_12,11.24,-0.23,0.56,0.4
 3IU5,ARG_78,12.35,-0.37,0,0.23
 2ILR,ASP_325,4.18,0,-0.03,0.41
 2XCX,LYS_67,11.14,-0.54,0.61,0.57
 2IDC,GLU_124,4.57,0.07,0,0
 1J8B,GLU_85,4.58,0.28,0,-0.19
 1XDZ,ARG_134,13.98,-0.34,1.34,0.48
 3RLE,HIS_114,5.38,-1.48,0.79,-0.43
 2X5Y,TYR_857,10.53,0.0,19,0.35
 2FG1,HIS_23,4.24,-3.07,0.81,0
 2O8I,ASP_126,3.34,-0.83,-0.07,0.44
 3BWT,LYS_692,10.41,-0.96,0.85,0.02
 2A6B,TYR_6,11.88,0.21,1.67
 1EV8,HIS_147,3.57,-2.93,0,0
 3HZQ,ASP_16,3.97,0,0,0.17
 1JYH,ARG_64,13.96,-0.33,1.3,0.48
 3MX,HIS_417,6.4,-0.23,0,0.13
 1WPA,LYS_497,10.26,-0.17,0,-0.07
 1PGV,HIS_368,6.5,-0.25,0,0.26
 1WRU,HIS_145,6.63,-0.11,0,0.24
 2G3A,CYS_94,10.01,-0.01,-0.1,1.12
 1X7F,LYS_261,10.7,-0.29,0,0.49
 3A4C,ASP_496,4.05,0,0,0.25
 2O0K,HIS_129,5.91,-0.48,0,-0.12
 1BKR,HIS_42,6.32,-0.78,0.5,0.09
 3Q1C,GLU_83,3.49,3.83,-1.74,-3.09
 2O0K,ASP_327,4.19,0.0,0.07,0.32
 2Z0W,HIS_49,6.24,-0.29,0.26,-0.23
 1A8Q,GLU_138,4.66,0.13,0,0.03
 2WOZ,TYR_420,11.37,0,0.07,1.3
 1ZBP,ARG_81,13.53,-3.22,1.3,2.5
 1WOU,GLU_14,4.05,0.33,-0.74,-0.04
 2YX0,HIS_342,6.52,-0.18,0,0.2
 2HXB,GLU_76,4.58,0.08,0,0
 1UJ8,GLU_66,4.9,0.36,0,0.04
 1N81,LYS_58,10.56,-0.13,0,0.19
 1UW7,ASP_47,2.03,-1.62,-0.96,0.8
 3JV1,ASP_109,3.2,-0.83,-0.16,0.39
 1R16,LYS_291,9.85,-0.91,0,0.26
 4ETX,GLU_281,5.56,1.16,0,-0.11
 3HVW,ARG_177,12.36,-0.32,0,0.18
 2B0J,GLU_49,5.19,5.75,-1.93,-3.11
 3HYQ,ASP_138,3.48,-0.58,-0.1,0.36
 2OGQ,ASP_558,4,0,-0.09,0.29
 1IDK,ASP_88,3.9,-0.42,0.04,0.48
 1YW5,LYS_52,10.27,-0.23,0,0
 1TJE,HIS_194,5.95,-0.92,0.35,0.03
 2OEW,HIS_152,4.39,-1.87,0,-0.24
 1PDB,LYS_122,9.63,-0.87,0,0
 1TLV,GLU_167,5.69,1.17,0,0.03
 2TYH,HIS_167,6.36,-0.17,0.03,0
 2IXM,GLU_255,4.21,1.65,-0.85,-1.08
 1TR9,ARG_230,11.93,-1.24,0.14,0.53
 3IU5,ASP_45,3.74,-0.36,-0.01,0.32
 3H6Q,ARG_137,12.33,-0.99,0,0.81
 3IV4,TYR_20,9.76,-0.27,-0.26,0.29
 4EKU,TYR_351,13.52,-0.63,0.61,3.54
 3H13,GLU_445,2.97,0.55,-1.31,-0.76
 1A8Q,LYS_127,10.43,-0.18,0,0.12
 3VHJ,LYS_14,10.39,-0.11,0,0
 3PBH,HIS_97,6.59,-0.24,0,0.33
 4D8L,ARG_20,12.54,-0.07,0,0.12
 3GE9,GLU_30,4.66,0.16,0,0
 1Z9L,ARG_120,13.08,-0.18,0.41,0.36
 3TIR,ASP_111,3.78,-0.12,0,0.1
 1N81,ASP_117,3.92,0,-0.03,0.15
 1J33,ASP_109,2.77,-0.85,-0.38,0.2
 3G59,ARG_257,13.37,-1.29,1.49,0.67
 1WXQ,GLU_254,6.5,2.97,-0.06,-0.92
 1ZBP,TYR_155,12.72,0,0,2.72
 2APL,LYS_114,11.42,-0.31,0.85,0.38
 3CIV,ASP_174,2.89,-0.82,-0.38,0.29
 2EYI,CYS_154,13,-0.09,0,0.08
 1Z3X,TYR_197,11.43,-0.01,0.44,0.99
 3CIV,CYS_234,12.83,0.42,3.41
 1RAJ,GLU_399,4.52,0.31,0,-0.29
 3IRA,LYS_33,11.63,-0.81,1.02,0.93
 2H85,ASP_36,3.93,0,0,0.13
 3KN2,ARG_101,12.24,-0.49,0,0.23
 1N81,GLU_35,4.39,0.22,0,-0.33
 3U0V,HIS_211,6.07,-2.02,0.85,0.75
 2OJQ,LYS_501,10.32,-0.18,0,0
 3TMO,LYS_245,10.35,-0.2,0.01,0.04
 1EDG,LYS_143,10.05,-0.37,0,-0.08
 1TLV,GLU_193,4.28,0.22,0,-0.44
 4E65,ARG_2,12.22,-0.26,0,0.02
 2FM9,GLU_156,5.7,2.7,-0.81,-0.69
 3JZ9,LYS_503,10.31,-0.09,0,-0.1

2R51,ARG_212,11.86,-0.81,0,0.17
 1AM2,LYS_36,10.46,-0.36,0,0.32
 1N14,ARG_302,12.11,-0.84,0,0.45
 3V4G,LYS_45,9.63,-0.66,0,-0.21
 3IPZ,LYS_72,10.64,-0.19,0,0.33
 1SQH,ASP_218,2.53,-1.44,-0.31,0.49
 2D2S,GLU_743,4.8,0.41,0,-0.11
 2CBE,LYS_133,11.48,-0.25,0.85,0.38
 2GEN,TYR_89,11.99,0,-0.12,2.11
 3ULX,LYS_168,10.64,-0.06,0,0.21
 3A2Z,LYS_122,10.62,-0.23,0,0.35
 4ETX,ARG_402,12.13,-0.6,0,0.21
 3VJ8,TYR_44,13.33,0.01,0.77,2.56
 3LJN,TYR_67,10.64,-0.08,-0.05,0.78
 4EVF,GLU_29,4.7,0.41,0,-0.21
 3FXH,ARG_40,12.31,-0.35,0,0.16
 2DG7,GLU_118,4.18,1.63,-0.63,-1.31
 1ZCU,ARG_231,12.61,-0.26,0.01,0.35
 2WOZ,TYR_235,11.74,0.85,0.53,0.36
 2AZP,ARG_323,12.14,-1.69,0.04,1.3
 2H2Z,TYR_237,10.16,0,-0.3,0.46
 1PGV,ASP_279,3.5,-1.66,-0.16,1.52
 1UOH,GLU_24,4.92,0.14,0,0.28
 3H13,GLU_265,2.72,0.71,-1.63,-0.86
 3RJZ,LYS_83,11.56,-0.43,0.85,0.64
 1UAJ,LYS_93,11.17,-0.35,0.85,0.47
 1EQ6,ASP_79,3.99,-0.82,-0.54,1.55
 1OST,GLU_459,4.57,0.32,0,-0.25
 3RVC,ASP_120,2.74,-2.44,0,1.38
 2Z61,LYS_341,11.47,-0.39,0.85,0.51
 2CVG,ARG_290,12.28,-0.22,0,0
 3BWT,TYR_854,9.58,-0.38,-0.34,0.3
 2Z61,ASP_49,3.88,0,-0.32,0.4
 3GMS,GLU_26,4.3,0.16,0,-0.37
 3P2F,CYS_132,11.86,0.62,0.31,1.93
 1YLN,LYS_148,11.45,-0.34,0.85,0.44
 2OGQ,ARG_557,12.23,-0.27,0,0
 1R3F,LYS_290,10.39,-0.17,0,0.05
 2ILR,LYS_475,9.33,-1.35,0,0.18
 1X8F,GLU_261,2.72,0.41,-1.35,-0.84
 2CBE,LYS_80,10.23,-0.37,0,0.1
 2P5D,LYS_97,10.25,-0.42,0,0.17
 3AUF,GLU_24,3.49,0.33,-0.89,-0.45
 1GQE,ARG_240,12.46,-0.19,0,0.15
 1V8E,CYS_161,9.17,0,-0.04,0.21
 3IPZ,GLU_123,3.04,0.47,-1.48,-0.44
 3M7G,LYS_244,10.54,-0.2,0,0.24
 2P0L,ASP_226,3.93,0,0,0.13
 2E3C,ARG_248,13.34,-0.4,0.77,0.47
 3TRE,ASP_20,2.34,-1.56,-0.38,0.48
 1V43,ARG_155,11.19,-0.9,0,-0.41
 2YX0,ASP_234,3.86,0,-0.24,0.3
 3FK5,HIS_265,3.92,-2.68,0,1.0
 1YW5,TYR_58,10.25,0,-0.13,0.37
 2P0L,CYS_183,9.88,0,0.06,0.84
 2R51,TYR_155,10.27,0,-0.17,0.44
 4GA2,GLU_71,3.37,1.19,-1.69,-0.63
 2IDC,GLU_56,4.45,0.38,-0.19,-0.24
 2EYI,LYS_174,9.92,-0.58,0,0
 1QQH,HIS_155,6.22,-1.08,0.72,0.09
 2D7J,GLU_157,4.34,0.18,0,-0.33
 1KW4,HIS_56,5.72,-0.38,0,-0.41
 1X04,GLU_73,4.49,0.33,0,-0.34
 3LMO,LYS_59,10.57,-0.18,0,0.25
 3DSH,GLU_285,4.04,0.31,-0.75,-0.01
 1ZBM,GLU_166,4.72,0.21,0,0.01
 2FZP,ARG_269,12.42,-0.23,0,0.02
 2VAN,GLU_153,4.63,0.13,0,0
 2E3C,LYS_286,10.43,-0.07,0,0
 3Q1C,GLU_71,3.86,0.82,-1.04,-0.42
 3D9H,GLU_176,5.14,1.02,0,-0.37
 3GOZ,GLU_310,4.51,0.38,0,-0.37
 3MIX,LYS_620,10.71,-0.18,0,0.4
 1ZCU,HIS_211,5.96,-2.86,0.26,2.05
 1JYH,HIS_17,6.21,-0.68,0,0.39
 200K,GLU_109,3.56,0.94,-1.68,-0.2
 2BT8,TYR_292,10.24,0,0.02,0.23
 3HYQ,GLU_134,4.68,0.11,0,0.07
 3T57,TYR_274,11.73,-0.01,0.15,1.59
 3ERF,GLU_76,3.1,0.45,-1.45,-0.39
 1WXF,ARG_186,11.69,-1.88,0.8,0.27
 3DSH,CYS_262,12.36,0.09,0.3,28
 2BLL,HIS_588,6.42,-1.03,0.85,0.1
 3JSN,LYS_248,10.14,-0.76,0.13,0.28
 2XMZ,ASP_132,4.34,0,-0.23,0.78
 3GW3,ASP_326,2.87,-0.85,-0.48,0.4
 3BCY,CYS_49,12.38,0,0.11,3.27
 3IL3,GLU_210,4.45,0.23,0,-0.27
 1XFK,HIS_159,8.04,-1.93,0.44,3.03
 3NR5,GLU_94,4.67,0.08,0,0.09
 3EVN,GLU_168,4.74,0.24,0,0
 2VGM,ASP_378,4.33,-0.05,0.3,0.28
 1ZCE,ASP_74,1.69,-2.99,-0.41,1.29
 3ADO,ARG_231,12.38,-0.35,0,0.23
 2D8N,LYS_154,11.95,-1.27,1.7,1.02
 2CXC,GLU_92,3.99,0.54,-0.73,-0.32
 3MTT,HIS_536,6.2,-0.28,0.12,-0.14
 4H86,CYS_62,8.53,-2.63,-0.64,2.79
 2BLL,ARG_337,12.77,-0.45,0.36,0.35
 1GXN,LYS_369,10.24,-0.31,0,0.05
 1OTM,CYS_242,8.97,-0.85,0.37,0.45
 1RIS,GLU_263,3.99,0.28,-0.54,-0.24
 2GS5,CYS_70,10.35,0,-0.11,1.46
 4AE7,LYS_76,10.39,-0.35,0,0.25
 2Q07,ASP_438,1.99,-1.85,-0.75,0.79
 1F2V,GLU_95,4.5,0.22,0,-0.23
 3PU6,GLU_122,4.75,0.2,0,0.05
 2YWK,LYS_58,10.42,-0.14,0,0.06
 4ACJ,ARG_772,12.02,-0.95,0,0.47
 2C2Y,ASP_43,2.74,-1.43,0,0.37
 4D8L,CYS_78,11.56,-0.32,-0.01,2.88
 4NDN,GLU_72,3.88,0.28,-0.52,-0.38
 2YX0,GLU_112,3.33,0.69,-1.36,-0.5
 3LJN,GLU_116,4.55,0.88,-0.18,-0.65
 2BDV,ARG_136,11.13,-1.4,0,0.03
 4H89,TYR_35,11.99,0.37,1.62
 1X7F,GLU_54,4.09,0.32,-0.37,-0.35
 2Q98,ARG_128,3.85,0.7,-0.8,-0.55
 1YB2,LYS_51,10,-1.29,0.29,0.5
 3V75,GLU_141,4.55,0.3,0,-0.25
 1H09,TYR_88,13.5,0.75,0.13,2.62
 1R6Y,ASP_22,3.3,-0.83,-0.03,0.37
 2CE6,LYS_6,10.22,-0.28,0,0
 3JV1,GLU_77,4.59,0.09,0,0
 4FCU,GLU_228,4.16,0.4,-0.74,0
 2IRM,LYS_248,10.53,-0.31,0,0.34
 3RJZ,LYS_113,10.41,-0.16,0,0.07
 3BQW,ARG_224,12.33,-0.24,0,0.07
 3IL3,ASP_48,3.58,-0.45,-0.03,0.26
 3BQW,ASP_270,3.92,0,0,0.12
 3AUF,HIS_109,5.58,-2.36,0.67,0.77
 1ES9,HIS_27,4.37,-1.91,0.31,-0.54
 1L2F,LYS_335,10.39,-0.11,0,0
 1SQW,ASP_61,3.53,-0.1,-0.43,0.26
 1OST,GLU_429,3.73,0.34,-0.85,-0.27
 3RLE,ARG_201,12.42,-0.48,0,0.41
 1KCM,LYS_165,10.18,-0.32,0,0
 2QRX,TYR_88,11.04,0.43,-0.2,0.8
 1ZYL,ARG_51,12.19,-0.24,0,-0.07
 2G9D,ASP_13,4.31,-0.35,-0.11,0.98
 2GEN,TYR_137,10.1,-0.5,0.16,0.44
 3BWT,ARG_720,12.31,-0.26,0,0.07
 3FXH,ARG_19,13.03,-0.33,0.51,0.35
 1PVT,LYS_10,10.24,-0.26,0,0
 3C2E,LYS_41,10.49,-0.25,0.0,24
 3ZRI,ARG_31,12.78,-0.52,0,0.8
 3BA1,GLU_191,4.81,0.31,0,0
 2RIK,TYR_270,10.09,0,-0.12,0.21
 3T5B,GLU_385,4.59,0.25,0,-0.16
 3LPZ,LYS_250,10.4,-0.11,0,0.01
 2FB6,GLU_63,4.76,0.26,0,0
 2BDD,LYS_135,10.35,-0.15,0,0
 1UOH,ASP_39,4.65,0.51,0.35
 2ZOM,LYS_15,10.3,-0.2,0,0
 2Q07,LYS_386,10.94,-0.3,0.22,0.52
 1XWM,GLU_191,5.59,1.02,0,0.06
 2IQT,LYS_105,10.84,-1.08,0.85,0.57
 3I82,ARG_97,12.32,-0.24,0,0.05
 1AD6,GLU_398,4.57,0.07,0,0
 3EGN,ASP_456,4.0,-0.28,0.49
 1YTD,ARG_367,12.48,-0.83,0.24,0.57
 1RSS,HIS_153,6.44,-0.06,0,0
 4F85,ARG_237,12.21,-0.68,0.39
 1JKS,GLU_197,5.27,1.51,-0.73,-0.02
 3IVF,ASP_175,3.18,-0.78,-0.27,0.43
 3VHJ,ASP_79,3.88,-0.32,0.04,0.36
 1CBY,ASP_235,4.06,-0.05,0,0.31
 1MUF,GLU_326,4.75,0.17,0,0.08
 2YT4,ARG_700,12.71,-0.16,0,0.37
 3AZZ,ASP_128,3.75,0,-0.24,0.19
 2WB8,GLU_492,3.05,1.44,-2.36,-0.53
 2E3S,ASP_460,3.91,0,0,0.11
 3L3P,ARG_387,12.42,-0.15,0,0.06
 3UAH,LYS_169,10.43,-0.17,0,0.1
 3KB5,ASP_324,3.24,-0.81,-0.35,0.6
 4ESS,GLU_161,4.46,0.29,0,-0.33
 4DBX,LYS_171,10.64,-0.07,0,0.21
 3ULX,GLU_48,3.51,0.33,-0.85,-0.48
 2PGX,HIS_240,5.25,-1.01,0,-0.24
 1R2Z,LYS_208,10.49,-0.13,0,0.12
 3GA2,TYR_86,10.05,0,0,0.05
 3FNI,ARG_51,12.22,-0.31,0,0.03
 2ZCO,HIS_96,6.22,-0.32,0,0.04
 2AZL,ARG_161,12.51,-0.3,0,0.3
 2QHT,GLU_192,3.7,0.43,-0.81,-0.43
 3FTT,HIS_37,6.92,-0.37,0.79,0
 2FBQ,GLU_5,4.8,0.31,0,-0.01
 2Z61,TYR_345,10.05,-0.76,0.1,0.71
 4EF5,ARG_293,12.65,-0.17,0,0.31
 3GW3,GLU_348,4.72,0.22,0,0.01
 3G9G,GLU_63,4.43,0.18,0,-0.25
 3GMS,ASP_16,3.49,-0.38,-0.23,0.3
 2RIS,ASP_172,2.54,-1.47,-0.38,0.59
 1OLR,ARG_108,12.76,-0.12,0,0.38
 3LQE,CYS_489,13.03,0.09,3.94
 2AZPLYS_229,10.03,-0.54,0,0.07
 1L2H,HIS_30,7.41,-0.4,1,0.31
 1R3F,ARG_282,12.06,-1.45,0.45,0.55
 1K9S,GLU_194,10.13,-0.33,0,-0.04
 3I0C,GLU_197,4.35,0.38,-0.32,-0.21
 3M70,HIS_66,6.25,-0.22,0,-0.04
 1SUU,TYR_721,10.35,0,-0.32,0.68
 2APL,GLU_133,2.98,0.56,-1.66,-0.42
 1X04,HIS_134,5.89,-0.27,0,-0.33
 3P28,HIS_33,4.33,-1.76,0,-0.42
 3I4T,GLU_64,4.57,0.15,0,-0.08
 2WB8,ASP_716,3.14,-1.47,-0.63,1.45
 3CX5,LYS_108,10.66,-0.33,0.41,0.07
 2VC8,GLU_66,4.6,0.16,0,-0.05
 3M3P,ASP_63,4.14,0,0,0.33
 2BLL,ARG_619,11.33,-2.29,0,1.11
 2YWJ,ASP_119,3.97,0,-0.1,0.27
 1O59,HIS_164,4.79,-1.86,0,0.16
 1V43,ARG_218,12.42,-0.13,0,0.05
 3BQW,GLU_327,4.68,2.02,-1.23,-0.61
 1WNH,GLU_102,4.37,0.57,-0.36,-0.34
 1R53,ARG_368,12.98,-0.21,0.39,0.31
 2RJD,ARG_324,12.44,-0.06,0,0
 3HUE,LYS_58,10.29,-0.15,0,-0.05
 3N2T,ARG_111,7.49,4.53,-0.84,-0.7
 3M7G,GLU_109,11.99,-0.25,0,-0.27
 3V55,TYR_615,11.07,0.0,0.16,0.91
 1TR9,ASP_135,2.66,-1.53,-0.09,0.47
 2QEW,TYR_319,10.46,0.0,12,0.33
 1TP6,CYS_3,7.16,-1.92,-0.44,0.52
 1TR9,GLU_281,5.0,0.33,0.18
 1I60,LYS_25,11.44,-0.27,0.76,0.45
 2FBI,LYS_124,10.41,-0.09,0,0
 2AD1,LYS_199,10.44,-0.11,0,0.05
 1O5J,HIS_-2.67,-0.14,0,-0.29
 3LJC,TYR_141,12.36,0.58,0.45,1.32
 2P65,TYR_164,11.71,-0.18,0.45,1.44
 2FB6,LYS_110,10,-0.61,0,0.11
 2Q99,ARG_130,12.4,-0.1,0,0
 3TIR,TYR_221,10,-0.08,-0.39,0.47
 2CXC,ARG_99,12.41,-0.09,0,0
 2Z14,ARG_72,12.1,-0.83,0,0.43
 1O46,GLU_49,2.37,0.93,-2.25,-0.81
 3IVF,ARG_207,13.82,-0.31,1.24,0.39
 2B0J,LYS_298,10.38,-0.16,0,0.04
 3P28,ASP_28,3.44,0,-0.59,0.23
 2BLL,ARG_510,11.46,-2.15,0,1.12
 1R53,ARG_47,12.61,-0.13,0,0.25
 1JT9,HIS_65,6.02,-0.44,0,-0.04
 1PBV,TYR_101,10.79,0.0,0.06,0.72
 3P28,ARG_167,12.58,-0.35,0,0.42
 2H2W,ARG_243,13.55,-0.6,0.66,0.99
 4DVD,GLU_31,4.54,0.43,-0.04,-0.35
 2AD1,LYS_215,10.56,-0.08,0,0.14
 1AD6,GLU_551,4.49,0.34,0,-0.36
 1AD6,GLU_545,4.52,0.17,0,-0.15
 1PBV,ARG_232,12.77,-0.13,0,0.4
 1OST,GLU_217,4.16,0.75,-0.46,-0.64
 1ZBS,ARG_25,13.8,-0.58,0.89,0.99
 3BJV,GLU_52,3.97,0.31,-0.49,-0.35
 3DTE,LYS_204,10.33,-0.17,0,0
 3CSR,ASP_91,3.71,-0.85,-0.15,0.91
 3B7H,HIS_11,5.56,-1.44,0.22,0.28
 3CGW,LYS_78,10.66,-0.11,0,0.28
 3V55,GLU_585,3.42,0.43,-0.7,-0.82
 2B0A,GLU_24,4.69,0.19,0,0
 1DOV,ASP_200,3.92,-0.11,-0.03,0.25
 3BWT,GLU_623,4.5,0.42,-0.34,-0.08
 1VSM,ARG_168,13.34,-0.32,0.64,0.52
 1S17,LYS_127,10.45,-0.29,0,0.24
 3BB7,ASP_116,2.47,-1.54,-0.21,0.43
 1FQI,ARG_361,13.03,-0.68,0.74,0.47
 1K6J,LYS_6,11.27,-0.43,0.79,0.4
 2OKT,ASP_163,3.84,0,-0.18,0.23
 1ZHV,ARG_108,13.63,-0.41,1.06,0.46
 2Z61,ARG_131,12.21,-0.55,0.03,0.23
 2VGM,ASP_73,3.15,-0.48,-0.55,0.37
 1X6J,GLU_29,3.59,0.33,-0.73,-0.5
 4EVF,LYS_267,10.43,-0.21,0,0.14
 4FLE,GLU_149,4.63,0.09,0,0.04
 2F4Q,ARG_216,11.44,-0.99,0,-0.07

3GVO,HIS_162,5.52,-1.88,0.75,0.15
 3A4C,TYR_532,10.43,0.0,17,0.26
 1PZC,LYS_38,10.44,-0.06,0,0
 2OSA,CYS_288,12.75,-0.01,0.04,3.72
 4F8A,ARG_693,12.24,-0.25,0,-0.01
 3TMO,GLU_309,3.65,0.38,-0.85,-0.38
 2E3C,HIS_369,5.98,-0.52,0,-1.56E-17
 3EIZ,LYS_152,10.41,-0.16,0,0.06
 4FZR,ASP_353,2.55,-1.62,-0.07,0.44
 1HF8,TYR_96,10.1,-0.36,-0.04,0.5
 1HF8,LYS_39,11.29,-0.25,0.62,0.42
 3ODJ,GLU_192,4.66,0.16,0,0
 2X4J,TYR_130,11.62,-0.85,0.2,47
 3CCY,CYS_43,8.56,-0.67,-0.31,0.54
 1TXJ,ARG_30,12.87,-0.52,0.54,0.36
 3G9G,ARG_28,13.64,-0.72,0.97,0.89
 2X4G,GLU_58,3.17,0.6,-0.91,-1.01
 1O9G,ARG_150,12.27,-0.23,0,0
 2GEN,ASP_188,2.43,-1.5,-0.33,0.44
 1GPP,LYS_124,10.17,-0.31,0,0
 1QQH,CYS_196,9.88,-0.31,0.64,0.57
 1R9W,ARG_231,12.07,-0.91,0.13,0.36
 4DIU,TYR_43,13.08,0.57,0.46,2.05
 2D7U,HIS_26,7.01,-0.44,0.59,0.35
 1WNH,CYS_70,11.61,-0.06,-0.01,2.68
 2EFK,LYS_171,10.51,-0.08,0,0.09
 3EVP,GLU_85,4.78,0.33,0,-0.03
 1SUU,LYS_696,10.1,-0.16,0,-0.25
 1PSW,GLU_190,4.48,1.58,-1.55,-0.04
 4D8L,LYS_46,10.46,-0.06,0,0.02
 1W7B,GLU_125,5.14,0.65,-0.63,0.61
 3CCY,ASP_68,3.09,-0.85,-0.44,0.58
 1JKS,LYS_262,11.12,-0.19,0.47,0.34
 2DVK,GLU_22,4.69,0.13,0,0.07
 2D2S,ASP_692,4.13,0,-0.05,0.37
 2O0K,ARG_279,12.34,-0.16,0,0
 1ZCU,GLU_115,4.59,0.23,0,-0.14
 2E3S,GLU_494,4.57,0.06,0,0.02
 2BV9,LYS_100,10.32,-0.22,0,0.03
 2D7J,GLU_177,4.45,0.4,0,-0.45
 2H2W,GLU_126,4.93,0.34,0,0.09
 4FH3,ASP_70,3.88,0,-0.26,0.34
 1KCM,LYS_200,10.38,-0.25,0,0.28
 2Z84,ARG_96,12.44,-0.11,0,0.05
 3BJV,LYS_27,11.21,-0.27,0.5,0.48
 2B2H,ASP_288,3.98,-0.5,-0.43,1.11
 3PAC,ARG_172,12.35,-0.15,0,0
 3MTT,GLU_517,4.56,0.32,0,-0.26
 3GFP,LYS_349,11.19,-0.27,0.46,0.51
 3I4T,ARG_126,12.73,-0.82,0.34,0.7
 3HUE,TYR_23,12.89,-0.05,0.2,93
 1J8S,LYS_73,10.38,-0.12,0,0
 3OIP,LYS_73,9.6,-0.47,0,-0.43
 1CHD,ARG_316,12.98,-0.25,0.49,0.25
 3UC9,TYR_49,9.82,0,-0.35,0.18
 1XFK,TYR_221,11.99,0.8,0.37,0.83
 1H4U,GLU_491,3.44,0.4,-0.84,-0.62
 4FCU,LYS_86,11.68,-0.64,0.85,0.97
 1E5S,ASP_28,2.69,-1.25,-0.51,0.64
 1SUU,ASP_611,3.84,0,-0.12,0.16
 3C6B,GLU_99,4.73,0.23,0,1.39E-17
 3F7M,LYS_191,10.27,-0.19,0,-0.04
 1TD6,GLU_69,4.05,0.45,-0.38,-0.52
 1EV8,HIS_108,6.12,-0.28,0,-0.1
 3M7D,LYS_244,10.41,-0.14,0,0.05
 2NRR,LYS_352,10.54,-0.28,0,0.32
 2GZQ,LYS_110,10.5,-0.07,0,0.07
 2XHC,CYS_145,9.86,-0.93,0.17,1.63
 2R2Y,LYS_30,11.5,-1.13,1.22,0.91
 1Q5Z,LYS_617,11.21,-0.25,0.59,0.37
 1T3Y,ARG_63,12.52,-1.03,0.66,0.39
 2PGX,LYS_46,12.14,-0.57,1.7,0.51
 3KV0,GLU_202,4.64,0.18,0,-0.04
 3C38,ASP_65,4.31,-0.73,0,1.23
 2H2W,TYR_153,11.85,0,-0.09,1.94
 1K9S,TYR_207,10.2,0.03,0.17
 1EYH,ASP_136,3.56,-0.5,-0.13,0.39
 1EYH,CYS_96,12.27,0,0.3,27
 2CBE,LYS_111,10.69,-0.15,0,0.34
 1XWM,LYS_209,10.34,-0.23,0,0.07
 1LTU,ARG_76,12.84,-0.16,0,1.041
 1XIP,GLU_63,5.11,0.75,-0.01,-0.12
 3BCY,LYS_135,12.34,-0.86,1.66,1.04
 3IBT,HIS_174,6.37,-0.33,0,0.2
 3MEW,HIS_185,6.14,-0.3,0,-0.06
 1R3F,LYS_64,10.4,-0.7,0.23,0.38
 1UOH,GLU_139,4.69,0.29,0,-0.1
 3RFY,ASP_90,4.45,-0.11,0.04,0.72
 3NZL,CYS_42,10.3,-0.96,-6.94E-18,2.25
 1QYI,ASP_49,3.61,-0.15,-0.45,0.42
 4DND,ARG_22,12.38,-0.29,0,0.16
 3FXH,ARG_29,13.61,-0.3,0.95,0.45
 3DZ1,CYS_41,11.58,0,0.1,2.48
 1WRU,ASP_92,4.79,0.0,12,0.87
 3A2Z,ARG_88,11.95,-0.6,0,0.05
 3OIP,LYS_161,10.41,-0.09,0,0
 3CAX,ARG_326,12.44,-0.06,0,0
 1W7B,GLU_149,4.24,0.35,-0.17,-0.44
 2F8H,HIS_81,6.36,-0.16,0,0.02
 2HNG,GLU_127,4.67,0.13,0,0.04
 1HF8,ASP_43,3.15,-0.62,-0.5,0.46
 1S7K,LYS_30,11.87,-0.55,1.1,0.81
 1AD6,ARG_552,12.21,-0.28,0,-0.01
 3VJ8,GLU_64,3.7,0.29,-0.83,-0.27
 2FD4,HIS_532,5.07,-1.47,0,0.05
 2YWJ,ASP_140,2.66,-1.64,0.1,0.39
 1L2F,GLU_63,4.72,0.22,0,0
 2IF4,GLU_129,4.3,0.52,-0.43,-0.29
 2R51,GLU_144,3.83,1.18,-1.07,-0.78
 1NRI,TYR_159,9.65,-0.79,0,0.45
 2AD1,GLU_60,4.25,1.3,-0.92,-0.63
 4E9E,LYS_484,10.78,-0.25,0,0.53
 1SIG,TYR_268,10.44,0.0,13,0.31
 1KN3,LYS_129,10.46,-0.2,0,0.16
 3T8R,TYR_122,10.09,0,0,0.09
 1EDG,ASP_21,3.8,0,-0.17,0.17
 1DVO,GLU_131,3.49,0.46,-1.12,-0.34
 1RAJ,LYS_255,11.47,-0.28,0.79,0.45
 1X91,ASP_73,4.06,0,-0.03,0.29
 3FHF,LYS_189,10.74,-0.22,0,0.46
 1X7F,LYS_18,10.42,-0.23,0,0.15
 3UV9,ARG_297,12.28,-0.22,0,0
 3R2E,ASP_49,3.95,-0.52,0.22,0.46
 3U2A,GLU_80,4.58,0.08,0,0
 3N2T,LYS_110,10.85,-0.51,0.85,-5.55E-17
 3V7S,GLU_271,4.61,0.33,0,-0.21
 3CX2,TYR_237,12.09,0,0,2.09
 2R0S,LYS_276,10.9,-0.53,0.2,0.73
 1H09,TYR_124,13.9,-1.55,1.6,3.86
 3EX9,ARG_121,12.7,-0.17,0.06,0.32
 1LTU,ASP_61,3.92,0,-0.12,0.24
 1R5S,GLU_139,4.53,0.34,0,-0.3
 2Z0M,LYS_219,10.54,-0.05,0,0.1
 2YX0,CYS_71,12.83,-0.07,0.85,3.05
 2QDJ,GLU_313,4.3,0.53,-0.65,-0.08
 3VHJ,ASP_92,3.32,-0.84,0,0.36
 2RIK,ASP_38,2.25,-1.6,-0.4,0.46
 2E3C,ASP_365,3.57,-0.54,-0.19,0.5
 2PPN,GLU_61,3.67,0.43,-0.83,-0.42
 3N2T,LYS_95,10.43,-0.07,0,0
 1XDZ,CYS_159,13.02,0.0,21,3.8
 2V4U,LYS_363,10.26,-0.29,0,0.05
 4ETX,GLU_222,4.25,0.16,-0.26,-0.15
 2ZCO,TYR_112,11.34,0.0,14,1.21
 1XTZ,ASP_88,3.89,0,-0.2,0.3
 1WLJ,LYS_213,10.38,-0.08,0,-0.04
 2GEN,ARG_191,13.5,-0.24,0.76,0.48
 1Y2Q,GLU_46,3.19,1.06,-1.69,-0.68
 2GAU,ARG_156,11.39,-1.06,0,-0.05
 3IPZ,CYS_172,9.3,0,0.06,0.24
 3E2Z,LYS_386,11.44,-0.3,0.85,0.39
 3FTT,LYS_47,11.28,-0.55,0.85,0.48
 3TIR,GLU_142,3.31,0.63,-1.43,-0.4
 1WRU,ASP_10,3.32,-0.43,-0.36,0.32
 3CNU,ASP_37,4.26,0.0,11,0.35
 2R51,LYS_295,10.49,-0.19,0,0.17
 1RH5,GLU_233,4.61,0.13,0,-0.02
 3CX5,HIS_111,6.14,-0.27,0,-0.09
 1T9S,GLU_100,3.84,0.26,-0.85,-0.07
 1XEU,GLU_151,4.3,0.36,0,-0.56
 3H6Q,ASP_117,3.82,0,-0.14,0.16
 2DFL,ASP_192,4.71,0,0.07,0.84
 2W88,HIS_579,6.29,-0.24,0,0.03
 2CIU,GLU_177,3.96,0.51,-0.82,-0.23
 2E3C,LYS_321,9.81,-0.66,0,-0.03
 3FHF,LYS_171,11,-0.4,0.61,0.29
 2ILR,LYS_532,10.45,-0.05,0,0
 2F8H,ARG_144,12.9,-0.69,0.36,0.73
 1PVT,GLU_69,3.49,0.35,-0.52,-0.84
 1O59,LYS_303,10.2,-0.26,0,-0.05
 3PM2,TYR_81,13.19,0,0.3,19
 1XWM,HIS_13,6.63,-1.23,0.85,0.51
 1X1E,GLU_2,4.24,0.38,0,-0.64
 1GPP,GLU_134,4.65,0.13,0,0.03
 2OJQ,GLU_483,4.49,0.14,0,-0.16
 2V5B,CYS_15,9.58,0,0.38,0.2
 1PGV,GLU_365,4.01,0.27,-0.54,-0.22
 3Q1C,HIS_148,6.06,-0.46,0,0.02
 3F1X,GLU_16,4.42,0.16,-0.23,0
 3ERF,HIS_161,6.28,-0.23,0,0.01
 3KEY,ARG_379,12.09,-0.59,0,0.18
 3KT9,TYR_55,9.96,0,-0.48,0.45
 3HUE,GLU_295,4.69,0.68,-0.48,-0.01
 2OKT,ARG_279,13.17,-2.86,0.77,2.77
 4EVF,LYS_199,10.25,-0.33,0,0.08
 1ZBS,GLU_165,5.01,0.16,0.07,0.28
 1TD6,GLU_175,4.78,0.28,0,0
 1MIX,LYS_254,10.4,-0.1,0,0
 4FLE,ARG_82,12.44,-0.22,0,0.16
 3B21,ARG_119,12.6,-1.97,0.84,1.24
 2EA9,GLU_93,4.09,0.82,-0.94,-0.27
 2OJQ,LYS_620,10.61,-0.1,0.0,21
 1BN6,GLU_151,4.79,0.28,0,0.02
 1T9S,ARG_133,12.54,-0.11,0,0.15
 3H04,HIS_248,8.27,-3.35,0.85,4.27
 2DFL,ARG_229,11.8,-0.67,0,-0.02
 2P6S,LYS_145,10.94,-0.92,0.85,0.51
 1YDL,ASP_24,2.97,-1.56,-0.22,0.95
 1S7K,TYR_98,11.09,-0.29,0.07,1.3
 1NWA,ARG_45,12.48,-0.06,0,0.04
 1S7K,LYS_157,10.56,-0.07,0,0.13
 4H4J,TYR_218,11.58,-0.37,0.26,1.68
 2Q07,LYS_392,10.44,-0.09,0,0.04
 3A7L,ASP_82,4.08,-0.03,0.01,0.3
 2Q34,GLU_167,2.22,0.48,-2.38,-0.38
 3GS3,TYR_137,10.84,0.0,16,0.68
 3RE9,GLU_140,3.54,1.4,-2.14,-0.22
 2RFA,CYS_172,13.02,0,0,4.02
 4ANN,GLU_185,3.01,1.09,-2.22,-0.37
 1Q2Y,HIS_134,5.61,-2.18,0.79,0.5
 2B2H,ARG_32,13.12,-1.55,1.37,0.81
 1W7B,TYR_30,9.92,0,-0.33,0.25
 2R0S,LYS_45,10.07,-0.43,0,0
 3COU,ARG_96,12.18,-0.94,0,0.63
 3B7H,ARG_44,12.46,-0.04,0,0
 1PBV,CYS_174,8.64,-1.34,-0.18,1.17
 1X7F,ASP_160,3.92,0,-0.1,0.22
 3P28,TYR_134,10.34,0.0,15,0.19
 2Q13,ARG_279,12.21,-0.29,0,0
 3A7L,TYR_24,10.64,0,-0.14,0.78
 1WJG,GLU_40,4.79,0.36,0,-0.07
 3LD1,LYS_107,10.06,-0.28,0,-0.16
 1X04,GLU_140,3.14,0.53,-1.54,-0.34
 1DCF,GLU_33,4.49,0.2,0,-0.21
 1U53,TYR_158,13.75,-0.67,-0.08,4.49
 2YLF,TYR_139,10.3,0.0,0.01,0.3
 2AZL,LYS_15,11.46,-0.31,0.78,0.48
 2FD5,GLU_68,4.46,0.2,0,-0.24
 1W2S,ARG_118,12.06,-0.23,0,-0.21
 1RKA,ARG_198,13.67,-0.22,0.74,0.64
 4FCU,LYS_149,10.46,-0.04,0,0
 2HRZ,ASP_329,3.03,-1.2,-0.76,1.18
 4E5S,ARG_127,12.45,-0.3,0.25
 1XFK,GLU_18,4.33,0.32,-0.75,0.26
 1V43,GLU_103,4.84,0.34,0,0
 4ETX,GLU_241,4.65,0.26,0,-0.11
 3ETU,GLU_275,4.68,0.37,0,-0.18
 3PAC,HIS_127,5.45,-0.77,0,-0.27
 2Q98,LYS_53,10.17,-0.33,0,0
 3CS1,GLU_167,4.51,0.11,0,-0.11
 3IVF,LYS_316,10.29,-0.26,0,0.05
 3GA2,ARG_94,11.87,-0.95,0.32
 4E9E,HIS_535,5.66,-0.83,0.03,-0.04
 2JKF,GLU_30,3.77,0.28,-1.06,0.05
 3BQW,ARG_218,12.04,-0.37,0,-0.1
 2Z61,ARG_273,12.61,-0.14,0,0.25
 1OIS,LYS_301,10.21,-0.28,0,-0.01
 2FXT,ARG_342,12.42,-0.23,0,0.15
 3K8U,LYS_59,10.25,-0.31,0,0.06
 3ADO,GLU_211,4.58,0.3,-0.17,-0.04
 4D8L,ASP_170,3.82,0,-0.21,0.22
 3CBN,GLU_106,4.46,0.17,0,-0.21
 3CAN,ASP_78,3.95,0,-0.01,0.16
 1UOH,HIS_156,5.99,-0.5,0,-0.01
 2OB5,GLU_89,4.24,0.37,-0.62,-0.01
 2Q34,GLU_35,4.5,0.24,0,-0.24
 1MJS,LYS_377,10.27,-0.29,0,0.05
 3GEC,HIS_279,5.55,-0.79,0,-0.17
 1O5J,LYS_49,10.53,-1.97,0.84,1.24
 2R0S,TYR_284,11.57,0.0,0.04,1.54
 3A2Z,TYR_18,10.25,0,0,0.25
 1XIP,ASP_333,4.01,-0.52,0.01,0.72
 3F6F,LYS_90,10.77,-0.19,0,0.46
 3ONT,GLU_144,4.74,0.24,0,0
 2FZ4,ARG_167,12.76,-0.42,0,0.68
 2PGX,LYS_184,10.74,-0.32,0.17,0.38
 1SJ8,ARG_532,12.16,-0.79,0,0.45
 2R4Q,LYS_214,10.22,-0.28,0,0
 3QAV,GLU_133,4.58,0.19,0,-0.12
 1JB3,GLU_102,5.33,2.57,-1.32,-0.43
 1YW5,GLU_150,4.77,0.31,-0.04,0
 1WRU,ARG_336,11.85,-0.74,0,0.09
 2A6B,LYS_104,10.52,-0.14,0,0.16
 1W24,GLU_175,4.64,0.3,-0.08,-0.08
 1R15,CYS_272,9.23,-0.02,0.06,0.19

1PDB,GLU_44,4.54,0.04,0.0
3C01,CYS_39,10.73,-0.14,0.11,1.77
2OQG,LYS_574,11.44,-0.21,0.76,0.38
3ULX,ASP_101,1.48,-1.97,-1.17,0.82
3M66,ASP_409,3.73,-0.12,-0.24,0.29
1T6L,LYS_101,10.55,-0.2,0.0,0.24
2EFK,TYR_105,10.81,0,-0.26,1.07
3JZN,ARG_420,12.02,-0.51,0.0,0.03
2P52,ARG_178,12.45,-0.11,0.0,0.05
3E5T,LYS_138,10.57,-0.16,0.0,0.22
1TLV,GLU_69,4.85,0.3,0.0,0.05
4FZN,ASP_214,4.11,0.0,0.0,0.31
3RJX,GLU_58,4.89,3.09,-2,-0.7
3JV1,ASP_197,4.18,0.0,0.01,0.37
3GMS,ARG_169,11.92,-0.58,0.0
1SQH,CYS_152,10.81,-0.15,-0.37,2.33
2G9D,ASP_280,4.01,-0.12,0.15,0.18
2ZQ5,ASP_27,3.96,-0.05,0.01,0.2
3COU,TYR_43,10.02,-0.06,-0.3,0.39
3ETV,ARG_21,13.55,-0.4,1.06,0.38
1MUF,ASP_99,3.24,-0.96,-0.23,0.61
1JB3,ARG_111,12.81,-0.37,0.24,0.45
1MSI,LYS_226,10.23,-0.41,0.0,0.15
1PBV,ARG_61,12.34,-0.28,0.0,0.12
3V3T,TYR_50,11.24,0.0,0.14,1.1
3B7H,ASP_4,3.24,-0.85,0.0,0.29
1UAJ,ARG_39,12.38,-0.44,0.0,0.32
4DND,ARG_27,12.58,-0.13,0.0,0.2
1WLY,GLU_19,3.79,0.52,-0.85,-0.38
3I0C,ARG_146,12.37,-0.34,0.0,0.21
1WLY,CYS_191,11.82,-0.01,-0.05,2.87
1PZC,LYS_57,10.58,-0.24,0.0,0.32
4FH3,ARG_111,12.33,-0.17,0.0
1YTQ,HIS_31,5.81,-0.61,0,-0.08
3RHE,ASP_27,3.79,0,-0.21,0.2
2A6B,ASP_91,4.11,-0.26,-0.03,0.59
3RFY,TYR_209,11.67,0.85,0.31,0.5
3ON1,ASP_100,3.04,-0.82,-0.38,0.44
2GQV,GLU_53,2.72,0.54,-2.28,-0.04
2Q07,TYR_460,11.67,0.04,0.46,1.21
2VAN,LYS_127,10.49,-0.14,0.04,0.09
4DVD,GLU_128,4.74,0.19,0.0,0.04
1U3Y,LYS_317,11.75,-0.34,0.75,0.84
3C6B,CYS_169,12.02,-0.47,-0.22,3.71
3L3P,GLU_529,4.54,0.18,0,-0.14
1QQH,CYS_109,10.62,-0.83,-0.56,3.01
1VJG,LYS_105,10.5,-0.1,0.0,1
2HRZ,ARG_286,12.08,-0.59,0.0,0.17
2EEY,ASP_93,2.99,-0.66,-0.38,0.23
1OGL,ASP_40,3.29,-0.85,0.03,0.32
4AF2,ASP_158,3.83,-0.3,0.0,0.33
3H5T,GLU_230,4.63,0.56,0,-0.42
1XWM,ARG_154,12.86,-0.34,0.23,0.47
2XWS,GLU_56,3.45,0.26,-0.85,-0.47
3Q1C,ARG_382,13.17,-0.29,0.58,0.37
3P2F,TYR_54,13.01,0.44,-0.07,2.65
3DSH,HIS_344,6.25,-0.25,0.0
2IRM,HIS_172,5.2,-1.18,0,-0.13
1AK1,HIS_101,6.41,-0.37,0.27,0.02
1PBV,ASP_113,4.75,0.0,0.28,0.68
3TIR,ASP_191,3.82,-0.25,-0.14,0.41
2BQQ,GLU_121,4.03,0.33,-0.66,-0.13
200K,GLU_320,4.17,-1.21,-1.1
4AM1,LYS_296,10.3,-0.29,0.0,0.09
2ZQ5,ARG_299,13.94,-0.41,1.37,0.47
2QV2,LYS_289,11.19,-0.31,0.65,0.35
2GSX,ASP_179,4.41,0.0,0.0,0.6
2QVO,TYR_32,10.86,0.0,0.57,0.29
3BWT,ARG_555,12.53,-0.08,0.0,0.12
3EX9,HIS_123,6.91,-0.55,0.85,0.11
2BLL,HIS_359,5.73,-0.63,0,-0.13
2CVB,LYS_110,10.05,-0.56,0.0,0.11
3LQE,ARG_396,12.71,-0.25,0.0,0.46
2RIK,LYS_66,11.03,-0.32,0.52,0.33
2WOZ,LYS_521,10.45,-0.08,0.0,0.03
1ZYL,ARG_157,12.44,-0.9,0.04,0.8
2JEO,ASP_163,3.54,-0.48,-0.04,0.26
2RIK,LYS_100,10.37,-0.13,0.0
3FS3,TYR_127,10.47,0,-0.04,0.52
157K,GLU_12,3.82,0.42,-0.74,-0.36
2YT4,LYS_669,10.19,-0.18,0,-0.14
1WYC,TYR_97,11.73,0.0,0.56,1.18
1GXN,TYR_437,10.4,0.0,0.4
2V5B,ASP_37,3.12,-0.85,-0.29,0.46
1V8E,HIS_13,5.64,-2.52,0.85,0.82
1C3K,TYR_48,10.72,0.03,0.0,0.69
1O9G,GLU_228,2.89,1.27,-1.7,-1.19
3KT9,LYS_34,10.31,-0.14,0,-0.05
2HXB,TYR_43,11.84,0.32,0.73,0.79
1O6D,ARG_4,12.79,-0.75,0.66,0.38
2GAU,GLU_93,4.65,0.11,0.0,0.04
1DUN,LYS_88,10.47,-0.03,0.0
3T8R,ARG_8,12.5,-0.11,0.0,0.1
2H2Z,CYS_300,11.07,0,-0.05,2.11
3TRE,LYS_57,10.49,-0.11,0.0,0.1
2ZTY,LYS_65,10.29,-0.23,0.0,0.02
4EUG,ARG_31,11.17,-1.37,0.0,0.03
1WP5,GLU_207,4.97,1.76,-1.32,0.03
1Q8B,GLU_96,4.24,0.4,-0.16,-0.5
2EEY,GLU_50,4.54,0.19,0,-0.14
3AU3,HIS_427,6.45,-0.51,0.44,0.01
4FCU,ASP_92,2.48,-1.57,-0.75,1
1XTZ,ASP_103,2.8,-1.79,-0.58,1.36
2EYI,GLU_213,4.5,0.4,-0.17,-0.23
2PP6,ASP_65,3.86,-0.73,-0.13,0.93
1YLN,ARG_99,12.16,-0.34,0.0
2Q07,LYS_255,10.1,-0.65,0.0,0.26
2FC3,LYS_33,10.18,-0.24,0,-0.09
2VGM,LYS_226,10.68,-0.96,0.67,0.48
1DZF,GLU_133,3.93,3.34,-1.69,-2.22
1EV8,ASP_105,2.59,-1.73,0.0,0.51
2XMZ,LYS_184,10.91,-1.11,0.85,0.67
3CSV,LYS_296,10.63,-0.37,0.18,0.32
2J8A,GLU_363,4.67,0.33,-0.16,0
1W24,ASP_170,3.83,0,-0.13,0.15
3RRQ,ARG_143,13.49,-0.29,0.89,0.38
3U0V,GLU_180,4.7,0.15,0.0,0.04
2IXM,CYS_256,12.15,-0.51,-0.02,3.67
2BV9,TYR_131,13.86,0,-0.02,3.88
3C2E,LYS_100,10.36,-0.33,0.0,0.18
2OEW,GLU_240,4.1,0.44,-0.69,-0.14
2EY1,ARG_28,13.03,-0.18,0.72,0
1FO9,LYS_287,10.46,-0.24,0.0,0.2
2Q5X,TYR_831,12.91,0.0,0.5,2.41
2B0J,LYS_154,10.49,-0.09,0.0,0.09
2B2H,GLU_386,4.6,0.09,0.0,0.1
3ON1,GLU_80,3.95,0.3,-0.69,-0.16
3PZ9,ARG_361,12.32,-0.14,0,-0.04
1XTZ,TYR_27,11.34,0.32,0.03,1.01
2AH5,GLU_52,4.07,0.49,-0.75,-0.16
2GZR,GLU_139,4.93,1.4,-0.71,-0.26
1ZP2,LYS_204,10.52,-0.09,0.0,0.11
1EQ6,ARG_162,13.12,-1.19,1.18,0.62
2G9D,LYS_75,10.46,-0.41,0.0,0.37
2YT4,HIS_491,6.04,-0.36,0,-0.09
2CBE,LYS_168,10.51,-0.37,0.0,0.38
3DB9,ASP_53,3.32,-1.01,-0.31,0.82
4FZN,ASP_194,3.63,-1.44,-0.11,1.38
3O16,GLU_84,4.61,0.11,0.0
3IL3,HIS_243,4.62,-2.69,0.81,0
1P6F,HIS_142,5.71,-0.58,0,-0.21
3HYQ,GLU_74,2.61,0.75,-2.24,-0.41
3RLN,CYS_727,11.24,0.0,1.2,14
2H2Z,TYR_182,13.67,-0.7,1.07,3.3
3HVM,LYS_300,11.39,-0.36,0.85,0.39
1YB2,GLU_216,4.76,0.26,0.0
3ONT,HIS_120,6.25,-0.25,0.0
4DVD,ARG_115,12.74,-0.24,0.25,0.23
2FPN,HIS_134,7.58,-0.31,0.85,0.54
3OKQ,LYS_601,9.71,-0.4,0,-0.39
3E2Z,ARG_16,12.35,-0.15,0.0
3OAT,TYR_36,10.11,0.0,0.11
1MIX,HIS_283,4.45,-2.18,0.81,-0.67
3KB5,GLU_365,4.61,0.11,0.0
1J8B,LYS_23,10.46,-0.18,0.0,0.14
2EDM,LYS_165,9.99,-0.4,0,-0.11
1T95,GLU_88,4.36,0.38,0,-0.52
2AAD,ARG_137,12.81,-0.62,0.21,0.71
1OST,TYR_201,10.22,0.0,0.06,0.17
3EX9,HIS_42,5.74,-0.72,0.11,-0.15
3LOD,ASP_22,3.32,-0.68,-0.48,0.68
1DZF,ARG_200,12.37,-0.13,0.0
1R3F,TYR_179,10.11,0,-0.03,0.14
3G9T,GLU_238,5.43,4.46,-2.51,-1.01
3IVF,TYR_270,11.45,-0.85,0.08,2.23
1XTD,GLU_125,4.76,0.1,0.0,0.16
1U3Y,TYR_283,10.71,0,-0.11,0.81
3QKY,ARG_40,13.01,-0.36,0.28,0.59
2B78,ARG_85,13.21,-2.64,1.19,2.16
3C38,ASP_92,3.88,-0.09,-0.18,0.35
1NAF,TYR_294,10.54,0,-0.1,0.64
2CXA,ASP_206,4.1,0,-0.05,0.35
2QK1,CYS_477,11.83,-0.61,0.37,3.08
2QK1,LYS_327,11.06,-0.44,0.55,0.45
2P65,TYR_8,9.66,-0.21,-0.58,0.45
1RI5,ARG_213,12.48,-0.25,0.0,0.23
3TOW,LYS_82,10.25,-0.16,0,-0.09
2JKF,ARG_152,13.49,-0.47,0.84,0.63
2GAU,ARG_216,13.4,-0.18,0.56,0.53
3RJX,GLU_68,4.57,0.28,0,-0.21
3FK5,HIS_271,5.34,-1.16,0.0
2QEV,LYS_76,11.34,-0.24,0.69,0.38
2ZCO,GLU_254,4.45,1.03,-0.85,-0.23
1OST,ARG_122,12.32,-0.31,0.0,0.14
2PIM,LYS_125,10.31,-0.09,0,-0.11
2D7U,GLU_107,2.4,0.54,-1.64,-1
4FZR,GLU_105,4.77,0.32,0,-0.04
2H2Z,GLU_14,4.0,0.36,-0.85,-0.01
1YTQ,CYS_37,9.61,-0.69,0.18,1.13
3G9G,TYR_160,10.66,0.0,0.23,0.43
1NAF,GLU_173,4.62,0.12,0.0
1ZBS,LYS_56,10.19,-0.29,0,-0.02
3SOA,GLU_33,4.17,0.29,-0.41,-0.21
2XJ4,ARG_254,12.88,-0.64,0.59,0.42
1KCM,LYS_252,10.58,-0.14,0.0,0.22
2OKT,HIS_337,6.2,-0.19,0,-0.11
4GA2,ARG_23,12.28,-0.25,0.0,0.03
3I0C,GLU_97,3.9,1.13,-0.71,-1.02
2EJX,LYS_60,11.52,-0.26,0.81,0.46
1XFK,HIS_235,5.58,-1.06,0.0,0.14
2FZP,GLU_198,4.09,0.51,-0.8,-0.12
3HUE,LYS_96,10.12,-0.49,0.0,1
3I06,LYS_50,10.84,-0.16,0.2,0.31
1L2H,CYS_8,11.53,0,-0.02,2.55
1WPA,LYS_521,10.6,-0.39,0.12,0.37
3COU,ARG_168,12.45,-0.38,0.0,0.33
3CSV,ARG_303,13.34,-0.21,0.58,0.46
3F6M,GLU_30,4.62,0.35,-0.06,-0.17
1AK1,ASP_159,3.99,0,-0.31,0.49
1YOY,LYS_110,10.43,-0.07,0.0
2XMD,HIS_3,5.46,-1.26,0.36,-0.14
1TD6,TYR_283,10.11,0.0,0.11
1SJ8,CYS_719,12,-0.06,-0.05,3.11
2H30,TYR_52,10.7,-0.01,-0.1,0.82
1T3J,GLU_701,4.63,0.35,0,-0.23
3PZ9,LYS_245,10.48,-0.16,0.0,0.13
1U7U,ASP_401,4.05,0,-0.27,0.52
3LJC,LYS_235,10.26,-0.24,0.0
1U7U,ARG_405,12.64,-0.17,0.0,0.32
3EYE,ASP_101,3.26,-0.43,-0.4,0.29
2POL,ASP_203,3.75,0,-0.15,0.11
3Q6L,GLU_23,4.6,0.29,0,-0.2
1V6T,ASP_202,3.92,0,-0.24,0.36
2YX0,ASP_144,3.16,-2.38,0,-0.51
4FD6,LYS_5,10.38,-0.12,0.0
2OBI,ARG_12,12.58,-0.07,0.0,0.15
3JRT,ARG_46,13.27,-0.86,1.15,0.49
3V75,ARG_45,12.26,-0.46,0.17,0.06
1OIS,GLU_182,4.88,2.2,-1.66,-0.15
2OQG,ARG_579,13.56,-1.05,0.81,1.3
1NRI,ARG_200,12.36,-0.15,0.0,0.01
4AM1,TYR_30,11.43,0.71,0.11,0.62
2QEV,ASP_33,3.3,-0.85,-0.8,1.16
3UV9,LYS_413,11.33,-0.22,0.67,0.38
3GS9,ASP_167,3.14,-0.81,-0.17,0.31
3OAT,GLU_42,4.63,0.28,0,-0.15
4EKU,LYS_206,10.49,-0.01,0.0
1OLR,TYR_66,13.09,-0.05,0.9,2.25
3LQE,GLU_407,5.27,0.46,0.0,0.32
4GCO,LYS_156,10.64,-0.1,0.0,0.24
2F8H,ARG_294,11.85,-0.59,0,-0.07
1V43,HIS_201,6.69,-0.54,0.33,0.4
1KCM,GLU_218,6.22,1.9,0,-0.18
1TLV,GLU_150,3.67,0.46,-0.85,-0.44
3BA1,GLU_161,5.0,0.46,0.0,0.05
1TXD,HIS_842,5.32,-3.24,0.85,1.21
2Q07,ASP_482,3.07,-1.64,-0.21,1.12
1C3K,ARG_20,11.96,-0.54,0.0
1T3Y,TYR_31,12.71,0.47,0.05,2.19
3CAN,GLU_49,4.35,0.17,-0.16,-0.15
2RFA,TYR_115,10.46,0.0,0.02,0.45
3GA2,GLU_71,4.78,0.18,0.0,0.1
3ETV,ARG_281,11.41,-1.24,0.0,0.15
2261,ARG_347,12.4,-2.99,0.02,2.88
4DND,GLU_93,4.66,0.18,-0.02,0
1MSI,ARG_217,12.7,-0.8,0.34,0.66
3KEY,GLU_341,4.75,0.26,0.0
2CYG,ARG_102,12.55,-0.29,0.13,0.21
3F1X,ASP_257,4.25,0.0,0.1,0.35
3G9G,GLU_142,4.06,0.43,-0.85,-0.03
2G9D,GLU_89,7.37,4.01,-0.38,-0.75
2FBQ,GLU_132,4.07,0.22,-0.4,-0.24
3EVN,LYS_260,10.2,-0.38,0.0,0.08
1SJ8,GLU_694,4.75,0.28,0,-0.03
2BDV,HIS_46,4.56,-1.94,0.03,-0.03
3QYB,LYS_875,10.36,-0.2,0.0,0.06
2FD5,ARG_160,11.51,-1.45,0.0,0.47
3C6B,CYS_219,12.55,-0.03,0.58,3
1FKM,ASP_264,3.9,0.0,0.1
3US6,GLU_106,4.64,0.14,0.0
2B78,ARG_154,12.83,-1.39,0.1,72
4EZB,GLU_259,4.64,0.14,0.0
3GV0,HIS_295,5.41,-1.3,0.24,-0.03
1WYC,GLU_20,3.8,0.44,-0.8,-0.34
2W25,HIS_163,6.39,-0.11,0.0
1X04,GLU_101,4.92,0.31,0.0,0.12

2VGM,LYS_66,10.43,-0.77,0,0,71
2GAU,LYS_107,11.55,-0.29,0.85,0,48
3MIX,ARG_586,13.02,-0.14,0.23,0,43
3HQX,GLU_45,4.57,0,0,07,0,4
2D7J,CYS_61,12.28,-0.84,0,4,3.71
3EJG,ASP_161,4.13,-0.01,0,1,0.25
1SUU,ASP_747,1.26,-2.42,-0.86,0,74
3IRA,LYS_115,11.42,-0.31,0,85,0,38
3T57,ARG_258,12.3,-0.28,0,0,08
2FPN,ASP_51,4.02,0,0,0,22
3A0X,LYS_710,10.45,-0.05,0,0
3CSR,ARG_126,13.41,-0.34,0,72,0,53
1ZBS,ASP_42,3.78,0,-0.44,0,42
2B0J,GLU_69,4.66,0.32,0,-0,16
3EVP,GLU_273,3.61,0,29,-0.62,-0,56
3NZL,TYR_57,10.05,0,0,0,05
1NWA,ASP_109,4.05,-0.15,0,11,0,29
1X1E,HIS_76,3.79,-2.92,0,81,-0,59
3LQE,ARG_478,12.96,-0.41,0,49,0,38
1K95,CYS_181,11.9,0,-0.01,2,91
3CGW,GLU_75,4.65,0,21,0,-0,07
2D7J,LYS_116,10.54,-0.11,0,0,14
1LZL,ARG_153,13.19,-0.67,0,78,0,57
1O5J,GLU_68,3.78,0,55,-0.85,-0,42
1XFK,HIS_140,4.69,-1.58,0,-0,24
2DFL,ASP_321,2.61,-2.15,-0,1,1,05
3Q2C,HIS_80,6.42,-0.1,0,0,02
3UC9,HIS_16,6.08,-0.38,0,-0,04
1WPA,ASP_492,3.3,-0.47,-0.38,0,36
3CS1,GLU_69,5.26,0,54,0,0,23
3MTT,LYS_489,10.73,-0.08,0,0,31
1Q46,GLU_42,5.53,1.19,-0.11,-0,04
3IV4,ASP_38,3.28,-0.63,-0.46,0,57
2YYO,HIS_151,5.99,-0.88,0,4,-0,05
1DUN,ASP_14,3.79,0,-0.13,0,11
1XDZ,ARG_216,13.25,-0.68,0,97,0,47
2V81,ARG_14,12.32,-0.18,0,0
2W25,GLU_37,4.68,0,18,0,0
2YX0,LYS_11,10.47,-0.03,0,0
3PZ9,ARG_83,13.77,-0.21,0,83,0,65
3EUR,LYS_51,10.37,-0.41,0,0,29
2B6P,GLU_16,6.75,4.73,-2.47,-0,02
2RJD,GLU_430,4.02,0.51,-0.74,-0,26
1Q46,TYR_171,10.43,0,0,08,0,35
200K,GLU_108,4.44,0.29,0,-0,35
2R51,CYS_171,9.35,0,-1.39E-17,0,36
1O9G,GLU_91,4.62,0,13,0,-0,01
1WRU,ASP_323,4.04,0,0,0,24
2O8I,LYS_110,10.21,-0.47,0,0,18
2OSA,GLU_324,4.44,0.16,0,-0,22
2BCF,LYS_145,11.24,-0.49,0,85,0,38
2H14,HIS_86,4.85,-2.9,0,85,0,4
2AH5,ARG_72,12.32,-0.97,0,0,79
1SIG,GLU_378,3.85,0.41,-0.6,-0,46
1YTQ,GLU_46,3.68,0,3,-0.67,-0,45
3A2Z,TYR_71,10.78,0,0,0,78
1T6L,ARG_137,12.37,-0.45,0,0,32
1HF8,GLU_33,3.6,0.32,-0.59,-0,63
2CXC,ARG_127,11.61,-1.89,0,56,0,44
2C2Y,ARG_66,12.32,-0.62,0,0,44
1OOX,ARG_30,13.59,-0.35,0,76,0,68
2EDM,LYS_79,10.67,-0.17,0,0,34
2P4D,ARG_116,12.4,-1.03,0,17,0,76
1R2Z,HIS_163,6.61,-0.83,0,64,0,3
1NJ4,ARG_261,12.15,-0.35,0,0,0
1YTD,TYR_99,11.96,0,0,53,1,43
1QYI,GLU_179,3.58,1.45,-1.36,-1,01
2G3A,LYS_117,10.88,-0.26,0,26,0,37
2IRM,ASP_96,3.43,-0.41,-0.37,0,42
4F3J,ASP_213,3.99,0,0,0,19
1X7F,GLU_236,4.67,0.22,0,-0,04
2WZ9,HIS_115,6.23,-0.9,0,85,-0,22
1FQI,LYS_290,10.3,-0.4,0,0,2
4E5S,HIS_162,6.51,-0.34,0,27,0,07
2BCF,GLU_210,4.69,0,19,0,0
2B0J,GLU_338,3.81,0.24,-0.4,-0,53
3HUE,GLU_263,4.84,0.15,0,0,19
3F6F,LYS_175,10.52,-0.09,0,0,11
2QVT,LYS_70,10,-0.4,0,-0,09
3KEY,GLU_371,4.31,0.33,0,-0,52
1MIX,LYS_268,10.35,-0.11,0,-0,04
1N81,ASP_195,4.04,-0.13,-0.42,0,79
3ANJ,TYR_364,12.03,-0.77,0,66,2,14
2G2D,ARG_174,12.66,-0.72,0,53,0,36
3U4K,ARG_125,12.66,-0.22,0,16,0,22
2Q34,GLU_179,3.56,0.41,-0.91,-0,43
2WB3,GLU_378,5.15,0,3,0,0,35
2CL3,ASP_116,3.21,-0.87,-0.08,0,37
3K9I,ASP_159,4,0,0,0,2
1N81,TYR_21,10.29,0,0,04,0,25
2QK0,LYS_100,9.88,-0.65,0,0,02
3RFF,HIS_70,6.19,-0.31,0,0,0
2F19,GLU_93,4.67,0.28,0,-0,12
2O8P,LYS_80,10.27,-0.23,0,0
2FBI,GLU_130,4.7,0,2,0,0
3ONT,CYS_12,7.86,-1.73,0,04,0,56
2V58,LYS_154,10.23,-0.4,0,0,13
2RIK,LYS_22,10.37,-0.13,0,0
2R51,ARG_136,12.12,-0.43,0,0,04
3PAC,LYS_15,10.81,-0.4,0.28,0,43
1R3F,ASP_87,4.14,-0.01,0,04,0,31
1YR6,ASP_168,2.74,-1.34,-0.41,0,69
2VGY,HIS_56,5.29,-0.93,0,-0,29
3KEY,LYS_449,10.34,-0.37,0,0,21
4EZB,GLU_-7,4.97,0.33,0,0,14
4HDE,LYS_150,11.53,-0.52,0,85,0,71
1UAJ,GLU_34,3.94,0.59,-0.71,-0,44
3O7K,GLU_14,4.69,0.18,0,0,01
4E8B,ASP_214,3.85,-0.67,-0.21,0,94
1V43,GLU_351,4.58,0.25,0,-0,17
1TXJ,GLU_169,3.76,0.42,-0.85,-0,31
1KN3,HIS_159,6.24,-0.22,0,-0,05
3E7P,GLU_239,4.58,0.27,0,-0,19
2GAU,LYS_165,10.71,-0.36,0,0,57
3LJC,ASP_179,3.1,-1.01,-0.07,0,39
1ANU,GLU_81,2.37,0.91,-0.34,0,0
2EJX,GLU_121,4.77,0.23,0,0,04
200K,GLU_220,4.62,0.3,-0.16,-0,01
2B02,GLU_398,3.93,0.45,-0.83,-0,19
2Q13,GLU_155,4.59,0,09,0,0
4HDE,ARG_192,13.99,-0.33,1.36,0,46
4E9E,GLU_501,3.57,0.27,-0.85,-0,35
1RKA,ARG_171,12.17,-0.39,0,0,05
3D9H,HIS_204,5.86,-1.65,0,77,0,24
3C5V,ARG_102,13.08,-0.46,0,4,0,65
3MEW,GLU_197,4.6,0,06,0,0,04
1O5J,ASP_48,2.96,-1.4,0,0,56
1EV8,LYS_18,10.56,-0.18,0,0,24
3ZTA,ARG_38,12.94,-0.3,0,43,0,31
2D7U,TYR_187,10.54,0,0,33,0,21
3V3T,GLU_176,5.06,1.38,-0.34,-0,48
2BV9,ARG_234,13.1,-0.19,0,44,0,34
4DIU,GLU_141,4.25,0.82,-0.74,-0,34
2IF4,ASP_211,3.32,-0.59,-0.12,0,22
2C13,HIS_231,5.84,-0.56,0,-0,11
1YB2,TYR_107,10.16,0,0,05,0,11
3AUF,HIS_-1,6.7,-0.5,0,23,0,47
2P65,GLU_114,4.65,0,1,0,0,06
1T6L,TYR_92,8.69,-1.01,-0.76,0,46
2YWX,GLU_150,4.15,0.2,-0.56,0
1R16,HIS_93,6.21,-0.87,0.32,0,26
1R53,LYS_203,10.37,-0.13,0,-0,01
2EYI,LYS_220,11.91,-0.38,1.02,0,77
1PNE,LYS_37,10.11,-0.51,0,0,12
2CVB,GLU_161,4.07,0.2,-0.36,-0,27
2YX0,LYS_193,12.66,-0.48,1.68,0,96
4H4J,ASP_248,3.77,-0.08,-0.31,0,37
2F9F,LYS_123,11.03,-0.2,0.41,0,33
3K8U,TYR_101,13,0,0,01,2,99
2GZQ,TYR_71,12.39,0,0,34,2,05
3I4T,ASP_14,4.21,-0.98,0.29,1,11
1WRU,ASP_116,3.75,-0.93,-0.21,1,08
2Q12,HIS_175,6,-0.24,0,-0,26
1ILW,ARG_165,12.81,-0.2,0,0,5
1UAJ,ARG_52,12.55,-0.16,0,0,21
1BN6,GLU_110,4.63,0.32,0,-0,19
2Q12,LYS_66,10.33,-0.45,0,0,27
3ETV,LYS_298,10.38,-0.12,0,0
2YT4,LYS_667,9.94,-0.2,0,-0,36
1ILW,LYS_124,11.14,0.12,1,02
1UG,GLU_36,4.37,0.13,0,-0,25
2R2Y,LYS_99,10.74,-0.26,0,0,49
3LMF,ARG_27,13.03,-0.24,0.37,0,4
2XMX,HIS_42,5.97,-0.99,0.31,0,14
1P1L,GLU_65,4.16,0.31,-0.56,-0,08
3D9H,LYS_163,9.92,-0.64,0,0,07
3GE9,HIS_194,5.88,-0.49,0,-0,12
1MJS,ARG_267,12.82,-0.38,0.01,0,68
1BKR,GLU_71,3.99,0.41,-0.69,-0,24
1AD6,HIS_483,2.89,-3.08,0.32,-0,85
1F2V,GLU_147,4.94,0.54,0,-0,1
3R8T,ARG_101,12.39,-0.23,0,0,13
1RL0,GLU_164,4.2,2.98,-2.81,-0,46
1R2Z,LYS_72,10.34,-0.16,0,0
3LJN,ARG_182,12.94,-0.45,0.32,0,56
3DHN,ARG_174,13.39,-0.14,0.69,0,34
3V55,GLU_355,3.6,0,4,-0.8,-0,5
1MUFL,LYS_143,10.7,-0.13,0,0,33
1TWJ,GLU_107,4.77,0.17,0,0,1
3PBH,HIS_111,5.65,-0.75,0,-0,1
1NRI,GLU_193,5.72,2.84,-1.39,-0,24
1V43,TYR_102,12.16,0.85,0.42,0,88
1PSW,ASP_124,3.49,-0.61,-0.02,0,32
1WRU,LYS_253,10.45,-0.05,0,0
1P4X,ARG_193,12.21,-0.29,0,0
1YIB,CYS_228,9.73,-0.04,0.13,0,66
1NFN,ARG_38,12.34,-0.28,0,0,12
1DTO,CYS_109,10.68,0,-0.53,2,21
1ZBM,ARG_227,12.11,-0.3,0,-0,09
4H4J,HIS_227,4.73,-1.86,0,0,09
1R3F,ASP_299,3.43,-0.62,0,1,0,14
3ANJ,GLU_395,4.97,0.79,0,-0,32
1YLN,HIS_38,6.43,-0.12,0,0,06
1YB2,LYS_182,11.56,-0.4,0.85,0,61
2R51,LYS_36,10.53,-0.11,0,0,14
4AM1,GLU_149,5.59,1.92,-0.74,-0,1
1EQ6,LYS_189,10.53,-0.05,0,0,08
3M7D,LYS_47,10.23,-0.79,0.85,-0,34
3QYB,LYS_897,10.69,-0.76,0.26,0,68
3VJ8,GLU_191,4.45,0.12,0,-0,18
1MUF,HIS_297,6.06,-0.44,0,0
3GS9,ASP_97,3.81,0,-0.51,0,52
3G9T,GLU_189,4.54,0.07,0,-0,03
1X7F,TYR_317,9.68,0,-0.54,0,21
3BCY,LYS_102,9.84,-0.86,0,0,21
2FC3,TYR_79,13.26,-0.62,0.73,3,16
3ANJ,GLU_28,1.48,0.89,-3.05,-0,84
2AZP,ARG_104,12.06,-0.43,0,-0,01
2R05,LYS_106,11.16,-0.63,0.85,0,44
1UAJ,ARG_208,12.4,-0.29,0,0,19
3V55,GLU_388,4.41,0.83,-0.7,-0,22
3DSH,ARG_443,12.34,-0.16,0,0
3IOO,ARG_203,12.4,-0.15,0,0,05
3BQW,GLU_194,5,0,28,0,0,22
2HRZ,HIS_-3,6.34,-0.16,0,0
3HKX,ARG_89,12.23,-0.28,0,0,01
3EYE,LYS_103,11.14,-0.22,0.43,0,42
1R3F,ARG_40,12.56,-0.16,0,0,23
3GFP,GLU_473,4.95,0.3,0,0,16
1R29,ASP_119,3.59,-0.09,-0.53,0,4
2D0A,TYR_114,10.96,-0.66,0.52,1,1
2F19,ASP_58,4.41,-0.93,0.04,1,5
1WP5,TYR_262,10.66,0.08,0,58
4ACJ,LYS_770,7.25,-0.5,0.82,0,42
2A6B,LYS_78,10.3,-0.21,0,0,02
2X5Y,LYS_779,10.39,-0.11,0,0
4DVD,ARG_58,11.33,-1.27,0,0,1
1X04,LYS_39,10.57,-0.18,0,0,24
2PLQ,CYS_189,13.19,0.02,3,99
3GFP,ARG_426,11.38,-0.8,0,-0,33
2I6I,TYR_16,10.26,0,0,12,0,14
2YT4,LYS_679,11.24,-0.76,0.79,0,7
2OGQ,LYS_388,10.37,-0.22,0,0,09
1CBY,GLU_136,4.1,0.4,-0.09,-0,7
2B0J,GLU_110,4.57,0.26,0,-0,2
3F6M,LYS_79,10.22,-0.33,0,0,05
3ANJ,LYS_264,10.15,-0.35,0,0
3ASA,ASP_74,4.12,-0.06,0,0,39
3GW3,GLU_250,4.51,0.23,0,-0,21
3G6S,LYS_87,11.16,-0.87,0.81,0,74
3DB9,ARG_115,12.32,-0.48,0,0,29
3ETV,GLU_23,4.65,0.15,0,0
3LMO,LYS_78,10.45,-0.14,0,0,09
2YLF,TYR_63,11.18,0,-0.03,1,2
2CL3,ASP_142,4.04,0,-0.05,0,3
2HNG,GLU_87,4.12,0.2,-0.62,0,05
3ASA,LYS_12,11.45,-0.45,0.82,0,58
2JKF,GLU_29,4.22,0.5,-0.56,-0,23
2H01,LYS_73,10.98,-0.45,0.57,0,36
1ZP2,LYS_88,12.02,-0.66,1.25,0,92
1FQI,ARG_360,12.24,-0.21,0,-0,05
3G9G,LYS_200,10.5,-0.1,0,0,1
2P1W,ARG_177,13.84,-1.05,1.38,1,01
3V55,ASP_535,2.56,-1.27,-0.66,0,7
2FPN,ASP_108,3.19,-0.85,-0.04,0,28
2H80,HIS_56,6.23,-0.24,0,-0,03
1WXQ,GLU_267,4.9,0.58,0,-0,18
2IXM,ARG_148,12.58,-0.69,0.26,0,5
1J7G,ARG_7,11.94,-0.86,0,0,3
1G5Z,GLU_87,4.73,0.23,0,0
1R15,LYS_238,10.23,-0.31,0,0,04
3HVM,LYS_242,9.98,-0.5,0,-0,02
1Q2Y,GLU_37,4.72,0.11,0,0,1
2BLL,GLU_479,3.97,0.32,-0.64,-0,22
3V55,LYS_341,10.15,-0.62,0,0,27
1U53,LYS_172,10.23,-0.34,0,0,07
1YW5,ASP_42,3.2,-0.72,-0.28,0,4
3RKV,GLU_298,4.92,0.24,0,0,18
3CJW,CYS_213,9.63,0,-0.22,0,85
1X04,LYS_172,11.72,-0.66,0.97,0,91
4EVF,ASP_135,4.01,-0.88,-0.03,1,13
3FP9,ASP_107,3.55,-0.36,-0.21,0,31
1O59,ARG_153,11.52,-1.05,0,0,07
3PZ9,TYR_179,11.49,0.54,0.27,0,68
2VC8,GLU_61,4.53,0.23,0,-0,2
3LH5,ARG_658,11.73,-2,0,1,23

2RGY,ARG_345,11.51,-1.29,0,0.3
 1LFP,LYS_137,10.18,-0.91,0.12,0.46
 1O0X,GLU_254,4.09,0.32,-0.42,-0.3
 1AT0,LYS_340,10.35,-0.15,0,0
 1X1E,ARG_156,12.2,-0.32,0,0
 2XMZ,GLU_53,4.63,0.29,-0.11,-0.04
 1ZP2,HIS_137,3.96,-2.58,0,0.04
 2OGQ,TYR_552,11.4,-0.58,0.28,1.72
 3LJC,GLU_203,4.47,0.55,-0.58,0
 2EJB,HIS_64,6.23,-1.39,0.85,0.26
 3PP8,LYS_21,10.35,-0.16,0,0.01
 1FQI,TYR_383,9.83,-0.23,-0.21,0.26
 3V4G,LYS_34,10.45,-0.21,0,0.16
 2EHG,LYS_107,10.68,-0.21,0,0.38
 3C5V,ARG_39,12.29,-0.27,0,0.07
 3BB7,TYR_138,13.17,-0.14,0.3,3.02
 1P4X,GLU_98,4.59,0.14,0,-0.05
 2G9D,ASP_117,2.21,-2.05,-1.16,1.63
 1V43,TYR_78,10.45,0,0.17,0.28
 2BAA,TYR_112,10.05,-0.48,-0.34,0.86
 3IVF,TYR_81,11.73,-0.15,-0.01,1.89
 1RAJ,TYR_73,10.16,0,-0.05,0.21
 4ETX,ARG_210,12.18,-0.42,0,0.09
 2H2Z,LYS_180,10.19,-0.18,0,-0.13
 3F1X,ARG_128,12.87,-0.25,0.34,0.28
 2F4Q,GLU_312,4.71,0.17,0,0.04
 4E5S,GLU_149,3.78,0.32,-0.69,-0.35
 2WB8,CYS_679,9.8,-0.16,-0.1,1.07
 4E6S,CYS_14,9.29,0,-0.01,0.3
 2Z61,LYS_213,9.82,-0.9,0,0.22
 3H6Q,GLU_142,4.7,0.21,0,-0.01
 2GEN,ARG_138,11.82,-1.1,0,0.42
 3R1X,HIS_127,4.63,-1.51,0,-0.36
 3IL3,GLU_47,4.58,0.06,0,0.02
 2ZCO,GLU_175,4.37,0.6,-0.57,-0.15
 3F1X,ASP_256,3.29,-0.83,-0.09,0.4
 3C5V,ARG_228,12.53,-0.5,0,0.54
 1H09,ARG_73,13.54,-0.31,0.74,0.6
 2O8I,ARG_56,12.18,-0.95,0.17,0.46
 2QZQ,ASP_60,2.91,-1.37,-0.12,0.6
 1W7B,LYS_329,10.16,-0.45,0,0.12
 2EFK,GLU_238,4.14,0.97,-0.84,-0.49
 3EYE,GLU_114,4.55,0.05,0,0
 3L1N,GLU_105,4.58,0.2,0,-0.12
 3M66,CYS_399,10.96,0,0.34,1.62
 3G59,GLU_67,4.63,1.51,-1.06,-0.31
 3A7L,GLU_30,4.96,0.68,-0.32,0.09
 3ZXY,ASP_37,3.86,0,-0.34,0.4
 2B6P,GLU_151,3.95,0.47,-0.78,-0.24
 1FQI,GLU_333,3.13,1.07,-1.57,-0.87
 3CO1,ARG_130,12.11,-0.62,0,0.23
 1P6F,TYR_167,12.02,0,0.2,0.2
 3C1W,LYS_303,9.54,-1.07,0,0.11
 3J1V,HIS_150,5.89,-0.27,0,-0.33
 1OIS,TYR_169,9.22,-0.83,-0.37,0.42
 3VHJ,GLU_94,4.61,0.12,0,-0.01
 3F7M,TYR_340,11.68,-0.8,0.36,2.12
 1PDB,LYS_184,10.3,-1.47,0.85,0.42
 3H9W,HIS_86,5.95,-1.48,0.81,0.11
 2CBE,GLU_239,5.11,0.51,0,0.11
 1R3F,ASP_92,4.05,0.0,0.1,0.15
 2Q07,CYS_253,9.58,-0.7,-0.69,1.97
 2OYZ,TYR_89,11.99,0,0.53,1.46
 1A1K,LYS_306,10.58,-0.22,0,0.3
 1JYH,ASP_104,3.96,0,-0.01,0.17
 1GQE,ASP_329,3.16,-0.8,-0.37,0.53
 1O5J,GLU_34,4.48,0.23,0,-0.26
 3UC9,ASP_129,3.81,-0.84,0.06,0.79
 3H5T,ASP_116,2.41,-1.67,-0.1,0.37
 2B61,ASP_197,2.77,-1.64,-0.07,0.69
 3V3T,CYS_243,11.69,0,0.07,2.62
 1T95,ASP_36,4.02,-0.3,-0.68,1.19
 3ERF,LYS_118,10.47,-0.24,0,0.21
 2IXM,LYS_111,10.61,-0.16,0,0.27
 2FG1,LYS_90,11.22,-0.37,0.85,0.24
 3V55,HIS_718,6.58,-0.18,0,0.26
 2IF4,LYS_103,9.97,-0.7,0,0.17
 3H5T,LYS_322,10.17,-0.36,0,0.03
 2WB8,ASP_696,3.57,-0.41,-0.06,0.24
 1T6L,ARG_243,11.65,-0.71,0,-0.15
 1TP6,ARG_111,12.77,-0.31,0,0.58
 2A4D,LYS_84,10.37,-0.13,0,0
 1LN4,ASP_2,3.37,-0.19,-0.45,0.2
 3ZSL,TYR_247,10.41,0,0.02,0.4
 3PP8,LYS_127,10.31,-0.18,0,-0.01
 2G9D,GLU_308,2.42,1.42,-2.53,-0.99
 1X8F,LYS_47,11.27,-0.22,0.61,0.38
 1O5J,ARG_25,12.66,-0.38,0.29,0.25
 3I4T,CYS_134,10.1,0,0.38,0.72
 1XWM,LYS_171,10.27,-0.23,0,0
 2YX0,GLU_208,4.27,0.35,-0.69,0.12
 1D2K,LYS_205,10.41,-0.14,0,0.05
 1X04,ARG_152,12.71,-0.25,0,0.46
 3Q6L,LYS_59,10.52,-0.21,0,0.24
 3R87,TYR_86,9.09,-0.85,-0.38,0.33
 3F53,GLU_41,4.67,0.17,0,0
 3CIV,CYS_300,11.52,-1.66,0.15,4.03
 4DNU,ASP_159,3.38,-1.63,-0.25,1.45
 2DVK,ASP_157,3.37,-0.55,-0.29,0.41
 1G8P,ARG_183,13.22,-0.29,0.47,0.55
 3M70,LYS_286,10.53,-0.19,0,0.22
 3LQE,ARG_392,12.02,-1.11,0,0.63
 1K95,CYS_182,13.48,-0.38,0.91,3.94
 3IVF,TYR_308,10.56,-0.08,-0.24,0.88
 2P0L,TYR_148,12.05,-0.85,-0.16,3.05
 1EV8,ASP_241,3.36,-0.66,-0.11,0.33
 2PGE,LYS_229,10.35,-0.15,0,0
 2E0T,ARG_186,12.32,-0.38,0,0.21
 1R16,ASP_123,3.3,-1.28,-0.2,0.98
 1JKS,GLU_224,4.45,0.29,-0.61,0.27
 3CRM,TYR_201,10.58,-0.57,0,1.15
 3BQE,LYS_234,10.59,-0.08,0,0.18
 3J5N,GLU_183,4.75,0.25,0,0
 1BN6,GLU_27,4.73,0.19,0,0.04
 3AU3,ARG_640,12.06,-0.6,0.0,0.16
 1BKRL,LYS_108,10.36,-0.21,0,0.07
 2X4J,TYR_44,10.09,0,-0.04,0.14
 3IRA,HIS_16,2.39,-2.6,0,-1.5
 3ZTA,LYS_8,10.92,-0.87,0.46,0.83
 2WB3,CYS_350,9.03,0,-0.32,0.35
 3P6F,ASP_51,1.96,-2.17,-0.65,0.96
 3C6B,ARG_13,13.85,-0.35,0.83,0.87
 1Q5Z,LYS_635,10.54,-0.16,0,0.2
 3IBT,LYS_205,9.88,-0.89,0,0.26
 3HKX,ARG_275,12.33,-0.17,0,0
 3A2Z,ASP_40,4.16,0,0.06,0.3
 1XWM,ARG_124,12.16,-0.55,0,0.21
 3O7K,ARG_36,11.78,-0.72,0,0.01
 2PGE,ARG_147,13.76,-0.33,0.93,0.66
 3VHJ,CYS_86,11.54,-0.64,0.3,1.8
 2NSN,ASP_95,3.97,0,0,0.17
 3J1V,GLU_99,3.41,0.84,-1.2,-0.74
 1R9W,HIS_270,4.36,-2.72,0.58,0
 2Z0M,LYS_235,10.27,-0.17,0,-0.07
 1ZBM,GLU_115,3.66,0.18,-0.63,-0.38
 3GYW,GLU_41,4.66,0.16,0,0
 2Q12,ARG_146,12.93,-0.36,0.29,0.51
 4E5S,LYS_94,10.46,-0.24,0,0.2
 4ETX,ASP_337,2.82,-1.35,-0.73,1.11
 1X9G,LYS_131,9.91,-0.44,0,-0.15
 3ADO,GLU_239,4.71,0.29,0,-0.09
 200K,GLU_309,4.52,0.38,0,-0.36
 1O0X,GLU_14,3.71,0.73,-0.94,-0.57
 3IV4,ASP_64,3.73,0,-0.4,0.32
 3NOK,ARG_35,11.42,-0.96,0,-0.12
 2IF4,GLU_196,4.61,0.2,0,-0.09
 1XTD,GLU_151,4.51,0.25,-0.31,0.06
 2P52,ARG_245,12.28,-0.13,0,-0.09
 1C44,LYS_98,10.4,-0.38,0,0.28
 3IBT,GLU_176,4.57,0.13,0,-0.06
 3LPZ,ARG_7,12.26,-0.22,0,-0.02
 3EVP,ARG_231,12.1,-0.4,0,0
 1DOV,LYS_163,10.48,-0.23,0,0.21
 1EDG,LYS_27,10.18,-0.32,0,0
 2RJD,LYS_509,10.3,-0.26,0,0.06
 3PBH,LYS_19,10.45,-0.05,0,0
 2FZ4,LYS_150,11.32,-0.61,0.7,0.74
 2YLF,GLU_230,4.69,0.19,0,0
 2A1V,LYS_43,10.87,-0.62,0.85,0.14
 2CIU,ARG_167,12.62,-0.32,0,0.44
 2FXT,LYS_311,10.48,-0.07,0,0.04
 1XAW,LYS_521,11.59,-0.29,0.65,0.73
 4F8A,GLU_627,4.05,0.51,-0.63,-0.33
 3BQE,LYS_302,10.59,-0.17,0,0.26
 2P52,ASP_278,3,-1.35,-0.72,1.27
 3COU,ARG_78,11.74,-0.65,0,-0.12
 2XMZ,HIS_246,1.72,-3.64,0,-1.14
 2H85,ASP_219,3.78,-0.24,0,0.21
 1J74,ARG_14,12.57,-0.56,0,0.63
 3KEY,LYS_433,10.27,-0.12,0,-0.11
 4EKU,GLU_66,3.86,0.4,-0.62,-0.42
 4F85,HIS_58,2.06,-3.28,0.82,-1.98
 2OEW,GLU_165,4.54,0.28,0,-0.24
 3IBT,ASP_158,3.32,-0.66,0,0.18
 3EIZ,ASP_15,3.26,-0.69,-0.88,1.03
 1O5J,LYS_84,10.41,-0.09,0,0
 1ILW,GLU_87,4.63,0.09,0,0.04
 3EVN,GLU_97,5.72,3.58,-1.19,-1.17
 1MUF,GLU_330,4.13,1.3,-1.67,0
 3CAN,HIS_128,6.54,-0.59,0.66,-0.03
 1OIS,ARG_296,12.4,-0.1,0,0
 3DSH,GLU_241,3.33,0.68,-1.42,-0.43
 1EDG,LYS_129,10.36,-0.25,0,0.11
 1UOH,LYS_116,9.98,-0.22,0,-0.3
 2YLF,GLU_44,3.91,0.93,-0.97,-0.56
 1V6T,TYR_89,10.16,0,0,0.16
 3NR5,ASP_128,4.24,-0.39,-0.09,0.92
 2FPN,ASP_15,4.08,0,0.1,0.18
 3HUE,CYS_105,9.12,-1.31,0,1.43
 3HUE,CYS_204,10.17,-0.54,0.29,1.42
 1IAP,LYS_106,10.49,-0.07,0,0.06
 2Q13,TYR_41,10.3,0,-0.1,0.4
 3OIP,CYS_51,11.21,0,0.01,2.2
 1R6Y,LYS_33,10.36,-0.14,0,0
 3CIV,GLU_75,3.78,1.76,-2.25,-0.25
 2RJD,ASP_384,3.44,-0.55,-0.56,0.75
 1R7J,GLU_85,4.7,0.14,0,0.06
 3FRR,ARG_55,13.26,-0.26,0.35,0.67
 1R6Y,HIS_75,4.02,-2.27,0,-0.21
 3J5N,GLU_180,4.5,0.17,0,-0.17
 2QVT,LYS_149,10.62,-0.24,0,0.37
 3ADO,CYS_125,9.86,-0.42,0.43,0.85
 3B79,GLU_46,4.65,0.41,-0.2,-0.05
 4EUG,ASP_9,2.7,-1.11,-0.33,0.34
 1ZBS,GLU_169,4.04,0.29,-0.76,0
 3QKY,LYS_49,10.32,-0.18,0,0
 1Y2Q,HIS_7,5.13,-1.2,0,-0.17
 3G53,ARG_122,12.33,-1.26,0.58,0.52
 3F7M,TYR_375,10.27,0,0,0.27
 3GT0,GLU_162,3.6,0.84,-1.44,-0.3
 2B0A,ARG_1,4.42,0.17,0,-0.24
 2R05,LYS_74,11.1,-0.3,0.52,0.38
 3LXL,GLU_136,5.41,3.31,-1.41,-0.98
 3M7G,GLU_19,6.22,3.66,-2.1,0.14
 1UJ8,ASP_18,2.59,-1.68,-0.76,1.23
 3JV1,HIS_96,5.84,-0.42,0,-0.24
 3F6F,TYR_113,12.8,0.45,2.35
 1S1G,LYS_251,10.5,-0.1,0,0.11
 1ZBP,GLU_177,5.23,0.3,0.24,0.19
 3MTT,ASP_437,3.65,0,-0.31,0.16
 1FHL,ARG_5,11.9,-0.81,0,0.2
 2O8I,GLU_55,2.23,0.46,-2.35,-0.38
 3GE9,GLU_145,4.62,0.12,0,0
 2D0A,GLU_156,12.32,-0.15,0,-0.03
 2WB8,HIS_794,5.12,-1.75,0,0.37
 4DIU,GLU_39,4.78,0.49,0,-0.21
 3IVF,GLU_80,4.89,0.61,0,-0.22
 3BCY,LYS_154,10.42,-0.21,0,0.12
 4H4J,LYS_194,10.16,-0.23,0,-0.11
 1YOY,ASP_112,2.68,-1.22,-0.17,0.27
 3U0V,HIS_28,4.88,-2.77,0.79,0.36
 3H04,TYR_67,13.7,0,0.25,3.45
 1J85,GLU_33,4.48,0.48,0,-0.5
 3C1W,GLU_335,4.11,0.28,-0.71,0.04
 3OKQ,ARG_588,13.4,-0.19,0.71,0.38
 2XHC,ARG_156,12.2,-0.29,0,-0.01
 4ETX,ARG_367,11.66,-1.03,0,0.19
 3DTE,TYR_25,11.83,0,0,1.83
 1OIS,LYS_173,10.44,-0.31,0,0.24
 1TXJ,GLU_31,3.58,0.24,-0.76,-0.39
 1PSW,LYS_167,10.76,-0.68,0.68,0.27
 2NSN,HIS_17,6.27,-0.25,0,0.03
 1MJS,ARG_367,12.41,-0.12,0,0.02
 2X4J,ASP_107,3.22,-0.63,-0.31,0.36
 1LN4,TYR_85,10.58,-0.63,-0.07,1.29
 3EVZ,LYS_135,10.48,-0.53,0,0.5
 2NYC,LYS_276,10.56,-0.12,0,0.17
 3HRZ,ARG_253,12.47,-0.12,0,0.09
 2FZ4,ASP_108,3.89,0,-0.16,0.25
 3CBN,ASP_146,1.46,-2.69,-0.42,0.76
 3GOZ,TYR_3,9.85,-0.58,0.06,0.37
 4DVD,ARG_36,13.91,-0.28,1.3,0.38
 3FHF,GLU_8,4.01,-0.52,-0.38
 1ANU,GLU_4,3.68,0.42,-0.68,-0.57
 2FC3,GLU_103,4.57,0.25,0,-0.18
 2Z14,CYS_107,10.86,-0.01,0.07,1.8
 3ASA,ARG_61,12.63,-0.33,0.06,0.4
 3H5T,LYS_288,10.44,-0.09,0,0.03
 3HVV,GLU_260,3.03,0.4,-1.51,-0.36
 3FTT,LYS_165,10.45,-0.07,0,0.02
 1OXZ,ARG_180,12.39,-0.24,0,0.13
 2IRM,GLU_312,4.27,0.29,0,-0.52
 3GMS,CYS_151,12.5,0,0,3.5
 1IAP,GLU_155,4.57,0.17,0,-0.09
 3CIV,ARG_260,13.86,-0.38,0.95,0.79
 3EVZ,GLU_181,4.16,0.28,-0.31,-0.31
 1V6T,ARG_237,11.93,-1.07,0.11,0.4
 1XIP,ASP_180,3.09,-1.48,-0.01,0.78
 1NAR,ASP_156,3.3,-0.6,-0.11,0.22
 2Z14,GLU_56,4.64,0.16,0,-0.03
 2AZL,ARG_243,12.42,-0.29,0,0.21
 3UX2,GLU_75,4.55,0.08,0,-0.03
 3I82,TYR_135,11.94,0,0.13,1.81
 2EA9,TYR_36,10.62,0,0.05,0.57
 2QDJ,LYS_96,10.06,-0.45,0,0.01
 2FD5,GLU_60,5.31,0.76,0,0.04

2H2W,TYR_120,12.72,0.0,35,2.37
 1J8B,LYS_20,10.29,-0.22,0,0.01
 3GMS,LYS_15,10.67,-0.14,0,0.31
 1MIX,LYS_278,11.48,-0.36,0.66,0.68
 1Q5Z,LYS_594,10.45,-0.05,0,0
 2FXT,GLU_319,4.59,0.2,0,-0.11
 1PVT,LYS_147,10.4,-0.1,0,0
 3V3T,ASP_156,2.46,-1.45,-0.65,0.76
 1EV8,GLU_86,4.51,0.2,-0.48,0.29
 3ASA,GLU_253,4.01,0.93,-1.27,-0.15
 1R15,GLU_151,4.74,0.16,0,0.09
 3I4T,ASP_11,3.73,-0.73,-0.23,0.89
 2XJ4,ARG_55,13.55,-2.92,1.8,2.18
 3SMD,GLU_108,3.76,0.32,-0.75,-0.31
 4EQU,LYS_197,10.43,-0.07,0,0
 4D8L,HIS_279,6.02,-0.5,0,0.02
 1ZBM,LYS_250,10.47,-0.2,0,0.17
 3UC9,LYS_163,10.93,-0.34,0.03,0.74
 3ADO,CYS_285,9.16,-0.31,0.03,0.45
 3L7N,GLU_84,4.61,0.11,0,-0.01
 2QDJ,GLU_282,4.54,0.09,0,-0.05
 2QZQ,LYS_114,10.43,-0.07,0,0
 1RAJ,ARG_443,12.06,-0.33,0,-0.11
 3HVW,ASP_221,2.96,-0.83,-0.37,0.36
 3ADO,ARG_308,13.47,-0.19,0.78,0.38
 2G9D,ARG_27,12.4,-0.1,0,0
 3F5D,ASP_145,2.08,-1.64,-0.72,0.66
 1YM5,ARG_260,12,-0.79,0,0.29
 1GQE,HIS_199,4.1,-3.09,0.79,-0.11
 2CIU,LYS_181,10.24,-0.37,0,0.11
 1JB3,GLU_125,3.59,0.37,-0.69,-0.59
 1EV8,ASP_81,4.06,0,-0.15,0.41
 2D0A,ARG_117,13.28,-0.33,0.65,0.46
 3I4T,TYR_145,13.26,0.0,55,2.73
 1GQE,GLU_172,2.94,0.33,-1.51,-0.38
 1LTU,GLU_157,4.09,0.93,-0.57,-0.77
 3OKQ,ASP_616,3.14,-0.49,-0.57,0.4
 3BQE,GLU_212,6.91,3.11,-1.07,0.37
 3BB7,GLU_83,3.45,0.37,-0.85,-0.57
 3CSV,TYR_49,12.65,0.85,0.43,1.37
 1J74,LYS_72,10.44,-0.06,0,0
 1X04,HIS_60,6.38,-0.18,0,0.06
 2H30,ASP_84,2.27,-1.55,-0.47,0.49
 1XAW,ARG_418,12.46,-0.04,0,0
 1NAR,GLU_77,4.54,0.17,0,-0.13
 2CWC,ARG_88,13.45,-0.34,0.81,0.48
 1YTD,TYR_233,10.97,-0.01,0.97
 3KT9,ARG_3,12.3,-0.37,0,0.17
 1R3D,ARG_132,12.05,-1.72,0.37,0.9
 3O47,ARG_33,12.32,-0.18,0,0
 1NAF,ARG_258,12.27,-0.3,0,0.07
 3N2T,GLU_65,5.29,4,-2.35,-0.86
 1L2F,LYS_303,10.44,-0.16,0,0.12
 3CRM,ARG_225,12.23,-0.3,0,0.03
 3MIX,LYS_589,10.47,-0.32,0,0.29
 3I4T,LYS_150,11.4,-0.35,0.85,0.4
 1YR6,ARG_218,12.48,-0.22,0,0.2
 1RHS,LYS_241,11.22,-0.51,0.85,0.38
 1PNE,CYS_16,10.44,-0.41,-0.01,1.87
 2NYC,LYS_200,10.2,-0.35,0,0.05
 2XW5,LYS_26,11.61,-0.27,0.85,0.53
 2P65,GLU_123,5.06,0.38,0,0.18
 1IDK,TYR_268,10.7,0,0.35,0.36
 1T6L,LYS_215,10.14,-0.36,0,0
 3R2E,ASP_2,3.3,-0.72,-0.11,0.35
 2EFK,ASP_159,3.48,-0.21,-0.38,0.27
 1L2F,GLU_13,4.15,0.49,-0.85,0.02
 3BB7,LYS_94,10.4,-0.21,0,0.11
 4EVF,LYS_55,10.6,-0.13,0,0.23
 2QEV,ASP_71,3.35,-0.83,0,0.38
 1R16,HIS_244,5.42,-1.39,0,0.32
 2P4D,LYS_98,10.77,-0.39,0,0.66
 1ILW,HIS_144,5.61,-0.54,0,-0.34
 1C3K,ASP_76,2.88,-0.86,-0.36,0.3
 1SJ8,GLU_517,3.87,0.26,-0.52,-0.37
 1BN6,GLU_211,3.83,1.44,-1.42,-0.69
 4F8A,GLU_613,3.46,0.73,-1.51,-0.26
 2OJQ,ARG_698,13.65,-1.2,0.95,1.39
 1S7K,ASP_168,3.22,-0.82,-0.15,0.38
 3GEC,LYS_374,10.17,-0.44,0,0.11
 3RLN,GLU_728,3.83,0.32,-0.54,-0.45
 2ZQ5,ASP_198,2.97,-0.72,-0.44,0.32
 2YYO,ARG_131,13.22,-0.54,0.73,0.53
 3GG6,ARG_68,12.36,-0.21,0,0.06
 1L2F,LYS_190,10.38,-0.08,0,-0.05
 4H89,ASP_10,2.93,-0.81,-0.49,0.44
 1RSS,ARG_119,12.11,-0.46,0,0.07
 1RKA,GLU_190,6.45,2.98,-0.72,-0.31
 2I88,LYS_455,10.43,-0.39,0,0.32
 2CBE,LYS_172,11.4,-0.33,0.85,0.38
 3IVF,ARG_131,13.05,-0.64,0.68,0.51
 1LFLPL,LYS_189,10.55,-0.17,0,0.22
 3GYW,ASP_189,3.98,-0.13,0,0.31
 1JSX,GLU_125,4.32,0.33,0,-0.52
 2BDV,ASP_124,3.88,0,-0.09,0.17
 3Q2C,ARG_39,12.95,-0.81,0.46,0.79
 1SJ8,ASP_659,3.67,-0.26,-0.36,0.49
 3RLE,GLU_34,5.26,1.69,-0.85,-0.07
 3D9H,LYS_233,10.59,-0.17,0,0.26
 2DVK,ARG_75,12.63,-0.27,0.06,0.34
 2G9D,LYS_3,10.22,-0.34,0,0.07
 2DVK,ASP_18,2.6,-1.28,-0.68,0.76
 3CZC,ASP_76,4,0,-0.08,0.3
 4H4J,GLU_73,4.29,1.15,-0.83,-0.54
 2Z61,LYS_23,10.39,-0.14,0,0.03
 2B0J,HIS_14,3.59,-2.83,0,-0.07
 3GE9,ARG_168,12.38,-0.22,0,0.11
 3CS1,GLU_118,5.9,2.02,-1.18,0.55
 1J33,ASP_299,2.85,-0.92,-0.38,0.36
 3A4C,ARG_462,11.99,-0.49,0,-0.03
 3E7P,ASP_108,4.12,0.0,16.0,16
 2Z84,LYS_200,10.41,-0.09,0,0
 3VJ8,ARG_281,13.65,-0.17,0.84,0.48
 3H5T,TYR_218,12.13,-0.9,0.1,2.92
 1LFP,GLU_179,5.09,0.24,0,0.34
 2YT4,CYS_666,9.13,-0.64,-0.07,0.83
 4GA2,ARG_85,12.73,-0.34,0.25,0.32
 2QOP,LYS_152,10.43,-0.07,0,0
 1V43,ARG_84,10.94,-1.84,0,0.28
 2NSN,LYS_67,10.37,-0.56,0,0.43
 2X5Y,LYS_752,10.16,-0.33,0,-0.01
 1JSX,ARG_68,11.76,-1.0,0,0.26
 1D2K,LYS_91,10.23,-0.36,0,0.09
 1MIX,ARG_328,13.01,-0.85,0.46,0.9
 3PAC,ASP_49,3.97,0,-0.05,0.21
 3GFP,ARG_377,12.4,-0.19,0,0.09
 4DNU,ASP_190,2.88,-1.05,-0.2,0.33
 2D25,GLU_546,4.34,0.64,-0.13,-0.67
 2OPJ,ARG_302,12.03,-1.32,0.18,0.68
 3MIX,LYS_476,9.83,-0.68,0,0.01
 2RGY,ARG_330,12.6,-1.13,0.73,0.5
 2X5Y,GLU_766,3.83,0.33,-0.41,-0.59
 2ZQ5,ASP_87,3.99,0,-0.05,0.24
 2X4G,GLU_186,5.1,1.09,0,-0.35
 4ACJ,TYR_680,13.07,-0.06,0.65,2.47
 1TR9,GLU_92,4.74,0.21,0,0.03
 3J29,ARG_342,12.47,-0.17,0,0.13
 4DEZ,ARG_53,12.44,-1.15,0.26,0.83
 2O8P,GLU_110,3.93,1.45,-1.29,-0.73
 1WYC,TYR_215,12.77,-0.85,0.41,3.21
 3SMD,TYR_39,10.11,0,-0.02,0.13
 1WXF,LYS_241,10.96,-0.27,0.32,0.4
 1NWA,ARG_88,12.4,-0.11,0,0.01
 2POL,LYS_74,10.48,-0.74,0.29,0.44
 1YOY,GLU_117,5.18,0.9,0,-0.21
 3CX2,ARG_177,12.29,-0.32,0,0.11
 2D0A,LYS_122,10.14,-0.36,0,0
 3SMD,LYS_123,10.38,-0.13,0,0.02
 4E9E,HIS_557,6.19,-0.25,0,-0.06
 2PLQ,ASP_148,3.08,-0.93,-0.03,0.25
 1IAP,GLU_171,3.76,0.89,-1.35,-0.3
 3I47,ARG_157,12.44,-0.06,0,0
 3BQW,GLU_92,5,0.33,0,0.18
 2IQT,TYR_133,10.35,0,0.05,0.3
 1SNT,GLU_225,4.08,0.32,-0.74,0
 1TJE,ARG_39,13.33,-0.39,0.83,0.4
 4EQU,ASP_278,2.47,-1.55,-0.38,0.61
 1SNT,ARG_230,12.78,-0.39,0,0.67
 3V75,ASP_101,3.47,-0.71,0,0.38
 1R15,TYR_284,13.26,0.0,5,2.76
 1R3F,ARG_9,13.7,-0.91,1.55,0.57
 3CAN,ASP_26,2.96,-0.76,-0.45,0.38
 4EQU,GLU_245,3.9,0.37,-0.73,-0.25
 2Q34,TYR_62,11.93,0.85,0.38,0.69
 1NIJ,GLU_165,3.44,0.16,-0.84,-0.38
 3CO1,LYS_66,10.47,-0.06,0,0.03
 1Q8B,HIS_78,5.42,-2.3,0.85,0.37
 1NJ4,TYR_159,10.03,-0.03,-0.36,0.42
 2E0T,GLU_82,3.68,0.49,-0.84,-0.48
 2EJX,LYS_133,10.94,-0.44,0.69,0.18
 3I82,ARG_26,12.3,-0.2,0,0
 1QQE,HIS_259,6.17,-0.96,0.2,0.42
 1XTZ,HIS_39,5.31,-1.38,0,0.18
 3R87,ASP_107,3.61,-0.58,-0.34,0.73
 3PZ9,LYS_322,10.32,-0.3,0,0.11
 2P4D,LYS_8,10.43,-0.07,0,0
 2A5O,ARG_110,12.36,-0.42,0,0.27
 3V55,LYS_360,10.18,-0.32,0,0
 1WNH,GLU_101,4.67,0.09,0,0.08
 2IXM,GLU_190,4.84,1.31,-0.5,-0.48
 1PDB,LYS_18,10.5,-0.25,0,0.25
 1RKA,HIS_279,4.52,-1.98,0.02,-0.02
 1PZC,TYR_64,11.06,0.0,12.0,94
 3IBT,ARG_112,12.15,-0.36,0,0.02
 2A4D,TYR_139,11.84,-0.21,-0.29,2.35
 2YLF,GLU_146,5,0.2,0,0.31
 3G65,ASP_70,4.32,0,-0.11,0.63
 1WNH,LYS_42,10.45,-0.56,0,0.5
 3KB5,HIS_345,7.56,-1.22,1.58,0.69
 3BPP,GLU_175,3.89,0.37,-0.95,-0.03
 2C2Y,HIS_123,5.43,-1.34,0.15,0.13
 1XTZ,GLU_97,4.11,0.24,-0.64,0
 3V75,ASP_16,3.9,0,-0.17,0.26
 3C6B,TYR_216,11.86,-0.81,0.48,2.19
 2NSN,TYR_49,10.44,0,0.08,0.36
 2X5Y,LYS_822,11.42,-0.3,0.8,0.42
 2X5Y,HIS_746,5.18,-1.31,0,-0.02
 1O6D,TYR_103,10.04,0,-0.17,0.21
 2QOP,LYS_146,10.3,-0.35,0,0.16
 2IXM,HIS_271,5.25,-1.1,0,-0.15
 3ZXY,ASP_287,3.5,-0.58,0,0.28
 3CBG,ARG_45,12.46,-0.04,0,0
 1FKM,LYS_630,10.78,-0.29,0,0.57
 2P1W,ARG_213,12.31,-0.59,0,0.4
 2Q07,ARG_335,12.26,-0.32,0,0.09
 2G2D,ASP_98,3.36,-0.84,-0.02,0.42
 3CQ1,ARG_42,12.59,-0.16,0,0.25
 1GPP,ARG_90,12.28,-0.34,0,0.12
 1F2V,ARG_65,11.37,-1.61,0,0.48
 1RWZ,LYS_166,10.44,-0.2,0,0.14
 1SBX,HIS_147,6.41,-0.3,0,0.04
 3JVI,GLU_211,5.0,59.0,-0.08
 2B2H,LYS_241,11.57,-0.3,0.58,0.8
 2B78,CYS_114,12.31,-0.97,0.48,3.82
 1RHS,ARG_64,13.19,-0.73,0.78,0.64
 2VGM,ASP_90,2.53,-1.48,-0.38,0.58
 3JV1,TYR_170,10.35,0,0.05,0.3
 2X4G,HIS_243,5.54,-0.99,0,0.04
 2FGG,ARG_23,12.53,-0.33,0.02,0.34
 2XJ4,GLU_68,4.56,1.43,-0.73,-0.65
 2YWJ,LYS_150,10.54,-0.32,0,0.36
 2POL,GLU_261,3.83,1.21,-1.15,-0.72
 3GS3,CYS_247,11.47,0.0,0.01,2.47
 1CBY,GLU_116,10.46,0.08,0,0.05
 3BJV,ARG_14,12.84,-0.64,0.65,0.34
 2OBI,ASP_58,2.81,-1.28,-0.23,0.53
 4DBX,LYS_253,10.16,-0.21,0,-0.13
 1C44,LYS_87,10.4,-0.1,0,0
 3G9T,GLU_119,4.66,0.52,-0.25,-0.11
 1V43,ARG_290,11.01,-2.48,0,0.98
 3L3P,ARG_436,13.15,-0.43,0.78,0.29
 1X91,LYS_116,11.04,-0.24,0.42,0.36
 2AD1,HIS_187,6.39,-0.71,0,0.6
 3D9H,GLU_148,3.94,0.3,-0.65,-0.22
 3GS9,GLU_58,4.05,0.69,-0.85,-0.28
 1CBY,LYS_116,10.49,-0.12,0,0.11
 3DTE,ARG_142,12.42,-0.38,0,0.3
 1YG2,ASP_169,3.71,-0.29,-0.39,0.59
 2F4Q,ARG_310,12.44,-0.11,0,0.04
 2QV2,ARG_133,12.57,-0.31,0,0.38
 3TIR,GLU_162,2.7,0.78,-2.2,-0.39
 3OKQ,LYS_674,10.52,-0.23,0.25,0
 2A0J,GLU_140,4.11,0.28,-0.69,0.02
 2E3C,TYR_329,11.75,0.47,0.34,0.93
 1JKS,ARG_156,12.03,-0.7,0,0.22
 1Q42,HIS_83,5.14,-3.23,0.85,1.02
 1E55,TYR_212,11.01,0,-0.09,1.1
 3ETV,TYR_105,11.84,-0.85,0.53,2.16
 2HXB,ARG_117,12.01,-0.47,0,-0.02
 3RNV,GLU_358,4.56,0.06,0,0
 2AZP,ARG_3,12.36,-0.14,0,0
 3GEC,GLU_518,4.6,0.1,0,0
 2EYI,GLU_148,4.1,0.47,-0.72,-0.15
 1R15,GLU_199,4.75,0.39,-0.12,-0.02
 2AZP,ARG_35,11.36,-1.18,0,0.04
 2GEN,ARG_118,13.89,-0.68,1.36,0.71
 1R3D,HIS_22,3.06,-3.32,0.37,-0.49
 1JKS,GLU_115,2.93,0.68,-1.83,-0.4
 2AH5,TYR_28,10.61,0,0.29,0.33
 2EJB,TYR_16,11.14,-0.04,1.17
 2VC8,TYR_21,10.9,0,0.29,0.62
 3C2E,GLU_42,4.57,0.15,0,-0.08
 3ETV,TYR_109,12.07,-0.08,-0.12,2.26
 3R87,LYS_3,10.8,-0.21,0,0.51
 2FD5,GLU_27,4.59,0.16,0,-0.07
 3HYQ,ARG_82,13.72,-0.66,1.45,0.43
 2CXA,GLU_125,4.11,0.23,-0.23,-0.38
 1H4U,HIS_573,6.57,-0.22,0.12,0.17
 3ERF,TYR_175,9.97,-0.1,-0.3,0.38
 4ANN,ASP_195,3.58,-0.2,-0.22,0.2
 3EUR,LYS_136,10.91,0,0.36,0.55
 3V4G,CYS_149,11.14,0.04,4.17
 1YR6,ASP_141,2.93,-1.58,-0.55,1.26
 2FL7,TYR_66,12.61,0.83,-0.06,1.85
 2H2W,GLU_73,5.11,0.26,0,0.35
 2FM9,LYS_59,9.92,-0.4,0,-0.18

3T57,CYS_326,11.03,-0.64,0.14,2.52
2ZCO,ASP_225,2.7,-0.85,-0.63,0.39
1KCM,LYS_216,10.37,-0.13,0,0
1BYI,GLU_78,4.8,0.28,-0.04,0.06
2BAA,ASP_182,2.69,-1.65,-0.37,0.92
1JB3,LYS_129,11.04,-0.21,0.49,0.26
2QK1,LYS_540,10.43,-0.07,0,0
1BYI,LYS_27,10.31,-0.19,0,0
3FHF,ASP_181,3.95,-0.16,-0.04,0.35
1BN6,HIS_34,5.62,-2.15,0.85,0.42
3ETU,LYS_340,11.14,-0.38,0.47,0.55
2X4J,CYS_23,9.32,-0.01,-0.19,0.52
2D7U,ASP_165,4.4,0.0,2.2,0.38
4H4J,LYS_261,10.38,-0.18,0,0.06
4ANN,HIS_80,5.57,-1.07,0,0.13
3B79,GLU_54,5.02,0.79,0,-0.27
1IAP,GLU_91,4.44,0.19,-0.21,-0.05
2WB3,LYS_303,10.34,-0.16,0,0
1OIS,LYS_257,10.31,-0.19,0,0
3VHJ,LYS_103,11.41,-0.35,0.71,0.55
1ZBM,TYR_216,10.65,-0.05,-0.02,0.72
2HRZ,GLU_328,4.67,0.16,0,0
4FLE,LYS_127,10.2,-0.25,0,-0.04
2WOZ,ASP_573,2.65,-1.06,-1.26,1.18
3IL3,GLU_31,4.66,0.11,0,0.05
3HUE,TYR_93,11.46,0.0,4.7,0.99
2JEO,ARG_212,12.38,-0.27,0,0.15
2ZOW,TYR_68,10.34,0,0.33
3GV0,HIS_106,5.11,-1.21,0,-0.18
1QQE,ARG_48,13.39,-0.68,0.85,0.72
2WB8,LYS_754,11.49,-0.32,0.85,0.46
3OAT,ARG_506,12.29,-0.21,0,0
1HUF,ASP_89,3.09,-0.9,-0.38,0.57
3G65,LYS_126,10.29,-0.39,0,0.17
3BFP,GLU_59,6.41,2.19,0,-0.27
2P1W,LYS_34,10.3,-0.23,0,0.03
2FXT,GLU_384,4.56,0.12,0,-0.05
2VGM,TYR_335,12.91,0.33,0.65,1.94
1OXZ,LYS_226,10.45,-0.14,0,0.09
3OIP,ARG_60,12.55,-0.1,0.15
1WYC,ASP_165,4.03,0.0,0.1,0.22
2OPJ,HIS_262,5.84,-0.36,0,-0.3
1PDB,GLU_81,4.75,0.25,0,0
2RIK,HIS_247,6.04,-0.41,0,-0.05
3JSN,TYR_126,10.26,-0.06,0.01,0.3
3CO1,ARG_17,12.35,-0.18,0,0.03
2PGX,ASP_13,2.89,-1.42,0.12,0.4
2FC3,ARG_45,12.41,-0.27,0,0.18
3Q1C,ASP_232,4.13,0.0,0.06,0.27
3ETV,ASP_169,4.49,0.0,15,0.55
2YYO,ASP_142,3.99,0,-0.09,0.28
3JSN,TYR_262,13.99,0.92,3.06
3M7D,CYS_297,11.53,0,-0.22,2.75
2QOP,ARG_161,12.85,-0.31,0,0.65
1W7B,LYS_80,10.39,-0.09,0,-0.02
1U7U,ASP_365,3.48,-0.16,-0.33,0.18
1WPA,LYS_511,10.36,-0.12,0,-0.02
3GA2,TYR_202,10.92,0.0,12.0,0.81
1UOH,ASP_86,4.82,0.0,29.0,7.3
2IDC,ARG_123,13,-0.4,0.34,0.56
3C6B,ARG_179,12.23,-1.68,0.02,1.39
1O59,LYS_310,10.23,-0.27,0,0
2OOK,TYR_323,13.77,0.0,32.3,4.5
3ANJ,ASP_213,3.93,-0.01,-0.09,0.23
1RS5,LYS_253,10.16,-0.14,0,-0.19
3LQE,ASP_272,2.52,-1.66,-0.3,0.68
1O59,HIS_268,6.04,-0.49,0.37,-0.34
1J7G,ARG_90,12.45,-0.05,0,0
2HRZ,LYS_195,10.19,-0.15,0,-0.16
3EVP,ASP_103,3.75,-0.14,0,0.1
2CBE,ASP_75,3.06,-0.85,-0.46,0.57
1MJS,GLU_245,4.55,0.09,0,-0.05
3O7K,GLU_161,4.79,0.62,0,-0.33
3L7N,LYS_32,10.33,-0.24,0,0.07
4DIU,TYR_181,10.65,0.0,36.0,2.9
3B79,LYS_122,10.42,-0.14,0,0.07
2GEN,ARG_76,12.59,-0.07,0,0.15
3ADO,ARG_299,12.14,-0.27,0,-0.08
1ZKZ,HIS_7,5.89,-0.6,0.23,-0.25
2W2S,ARG_156,12.49,-0.53,0.12,0.39
3RKV,LYS_271,11.53,-0.32,0.85,0.51
3LJN,ARG_249,12.24,-0.97,0.04,0.66
2DG7,ARG_159,12.88,-0.49,0.21,0.66
2QDJ,LYS_327,10.33,-0.11,0,-0.06
3G9B,ARG_32,12.24,-0.29,0,0.02
3NBI,ARG_62,12.48,-1,0,0.98
2QK0,ARG_99,13.26,-0.48,0.75,0.48
1U53,LYS_56,10.51,-0.16,0,0.17
3BJV,HIS_68,4.73,-2.06,0.81,-0.52
1DVO,ARG_174,12.23,-0.27,0,0
2F4Q,TYR_250,11.2,0.0,5,0.7
1YR6,LYS_193,10.56,-0.07,0,0.14
2OJQ,LYS_675,10.8,-0.14,0,0.43
2X4G,GLU_140,5.67,3.23,-1.61,-0.45
1MTZ,GLU_262,4.77,0.72,0,-0.45
3K8J,GLU_177,3.25,1.53,-1.98,-0.78
2OEW,ASP_330,3.67,-0.12,-0.18,0.17
2FC3,LYS_124,10.51,-0.07,0,0.09
3CRM,LYS_108,10.3,-0.47,0,0.27
1DZF,LYS_45,10.4,-0.18,0,0.07
1OIS,HIS_150,4.25,-2.93,0.74,-0.06
1E5S,ASP_54,2.91,-0.82,-0.35,0.27
3FK5,LYS_205,9.85,-0.96,0.42,-0.11
3L7N,TYR_226,10.93,0,-0.09,1.03
3U4K,GLU_30,4.01,0.24,-0.4,-0.33
2H01,GLU_158,4.6,1.06,-0.85,-0.12
2IDC,LYS_17,10.67,-0.12,0,0.28
2EJX,GLU_130,3.16,1.02,-1.5,-0.85
3LJN,GLU_73,3.97,0.34,-0.18,-0.69
1QLL,ASP_9,3,-0.52,-0.49,0.2
3OOP,ASP_96,3.82,0,-0.11,0.13
2I6I,LYS_7,10.94,-0.53,0.85,0.12
3LJN,CYS_132,9.81,-0.86,0.02,1.65
2Z0M,GLU_264,4.64,0.13,0,0.02
1FQI,TYR_351,10.38,0,-0.01,0.38
2Q5X,TYR_725,11.07,-0.01,0.17,0.91
2APL,TYR_19,11.44,0.0,39.1,0.5
3LD1,CYS_331,12.65,-0.19,0.2,3.65
2B61,TYR_29,10.83,0,0.83
1WP5,GLU_312,5.03,0.24,0,0.29
2AZP,ARG_141,12.53,-0.28,0,0.32
1W7B,TYR_151,11.53,0.0,0.7,1.47
1EV8,CYS_167,9.76,0,-0.15,0.91
3FK5,LYS_315,10.39,-0.18,0,0.07
2H85,ASP_106,3.76,-1.5,-0.12,1.59
1PSW,GLU_238,4.11,0.26,-0.65,0
1V43,LYS_337,10.41,-0.45,0.0,36
2HXB,CYS_68,11.25,0.0,1.2,1.4
1KW4,ASP_45,3.22,-0.97,0,0.39
3BQE,HIS_245,6.59,-0.22,0.35,-0.05
4GA2,LYS_135,10.42,-0.3,0,0.22
1YG2,TYR_31,10.75,-0.6,0.24,1.11
1L2F,LYS_280,10.5,-0.22,0,0.18
4DIU,GLU_85,4.46,0.22,0,-0.26
2OBI,LYS_135,9.47,-0.71,0,-0.32
3US6,GLU_2,4.42,0.15,0,-0.24
1VJG,TYR_128,11.2,0.0,22.0,9.9
2DFL,LYS_60,10.51,-0.15,0,0.17
2YYO,TYR_64,10.06,0,0,0.06
1VJG,LYS_62,10.59,-0.16,0,0.24
3D9H,CYS_175,12.3,-0.07,0.12,3.26
2V4U,HIS_526,4.83,-1.61,0,-0.06
1YTQ,GLU_32,4.51,0.33,0,-0.32
3ANJ,LYS_38,10.54,-0.22,0,0.26
1PSW,GLU_166,2.22,0.58,-2.4,-0.46
3P28,GLU_124,4.93,0.29,0,0.13
2XWS,GLU_109,4.71,0.15,0,0.06
1JSX,GLU_178,5.0,2,0,0.31
1XTD,ASP_121,2.85,-1.46,-0.03,0.53
3GFP,ASP_316,3.69,-0.29,-0.22,0.4
3GS3,CYS_211,9.5,-0.9,-0.12,1.52
1WLY,ASP_201,2.17,-1.82,-0.39,0.58
2FXT,ASP_340,4.05,0,-0.58,0.83
1PSW,TYR_323,11.05,-0.81,0.14,1.72
1SQH,ARG_77,13.26,-0.46,0.69,0.53
1TUL,LYS_46,10.59,-0.15,0,0.23
2OBI,GLU_109,4.6,0.1,0,0
1Q46,TYR_81,10.03,0,-0.08,0.12
3BCH,LYS_57,9.97,-0.57,0,0.05
1RS5,GLU_67,3.55,0.44,-0.67,-0.72
1DVO,CYS_142,9.24,-0.21,0,0.46
2R2Y,ASP_72,3.93,-0.13,-0.37,0.64
2W0G,ARG_262,12.18,-0.47,0,0.14
4FZR,ARG_87,12.21,-0.65,0,0.36
1SIG,ASP_445,3.79,0,-0.26,0.25
2H2W,HIS_79,6.61,-0.28,0.07,0.32
1BN6,GLU_141,4.73,4.98,-3.24,-1.51
4EZB,TYR_131,10.15,0,-0.01,0.16
3H04,LYS_184,11.55,-0.34,0.75,0.64
2PWQ,HIS_25,6.91,-0.58,0.82,0.17
2EJB,TYR_86,13.16,0,-0.08,3.23
2QOP,LYS_116,10.53,-0.59,0.2,0.42
3US6,ASP_75,2.7,-1.48,-0.59,0.97
3F7M,LYS_158,10.24,-0.15,0,-0.11
1F2V,ARG_207,12.43,-0.26,0,0.2
3B21,LYS_26,10.38,-0.12,0,0
3ELI,ARG_117,12.36,-0.66,0,0.53
1I60,HIS_79,7.38,-0.47,0.85,0.5
2RFA,GLU_232,5.09,1.98,-0.85,-0.54
1V8E,HIS_155,6.44,-0.31,0,0.25
3BA1,GLU_121,5.01,0.91,0,-0.41
2EFK,TYR_190,10.18,0,-0.26,0.44
1ES9,ARG_132,11.85,-0.48,0,-0.17
2B0J,LYS_209,10.4,-0.39,0,0.29
3G65,ARG_148,13.19,-0.19,0.29,0.61
3G9G,ARG_239,13.67,-0.72,1.12,0.77
1ILW,GLU_163,4.61,0.92,-0.76,-0.05
2CIU,ASP_148,3.95,0,0,0.15
4DBX,LYS_139,10.35,-0.08,0,-0.07
1L3K,LYS_166,10.4,-0.1,0,0
2QDJ,GLU_352,4.69,0.31,0,-0.12
2H01,LYS_102,10.13,-0.54,0,0.17
2OKT,ASP_326,3.04,-1.19,0,0.44
3QKY,LYS_134,10.73,-0.25,0,0.47
1FQI,GLU_412,4.43,0.22,0,-0.3
3ADO,GLU_163,4.53,0.27,0,-0.25
2FLA,TYR_59,10.55,-0.85,-0.16,1.56
1O0X,LYS_144,10.37,-0.13,0,0
1Z3X,LYS_103,10.23,-0.51,0,0.24
1SQH,HIS_86,3.53,-2.46,0.73,-1.23
1WRU,GLU_189,4.88,0.26,0,0.13
1RHS,ARG_50,12.2,-0.48,0,0.18
1MD6,GLU_72,4.65,0.15,0,0
2HXB,TYR_86,9.81,-0.3,-0.2,0.3
4E8B,ASP_241,4.58,-0.25,0.05,0.99
2P52,ARG_279,12.69,-1.08,0.8,0.47
1MUF,HIS_283,6.19,-0.33,0,0.02
3CNU,GLU_80,4.63,0.3,0,-0.18
2QVT,ARG_98,11.93,-0.62,0,0.05
2PLQ,ASP_265,3.42,-0.55,-0.09,0.26
2EDM,ARG_136,12.37,-0.2,0,0.07
3EUR,LYS_1,10.17,-0.2,0,-0.13
1SJ8,LYS_529,10.53,-0.36,0.37,0.03
3RJZ,LYS_106,11.1,-0.3,0.73,0.17
1WYC,CYS_271,12.99,-0.01,0.3,3.7
3DHN,GLU_143,4.83,0.31,0,0.02
4ANN,HIS_44,5.95,-0.48,0,-0.08
3BA1,ARG_128,12.33,-0.32,0,0.15
3ELI,ASP_90,3.94,0.0,0.3,0.11
2A0J,GLU_28,5.32,0.94,0,-0.13
3O7K,GLU_128,4.05,0.42,-0.23,-0.63
1SBX,ASP_181,4.07,-0.45,-0.12,0.84
2AD1,LYS_266,10.57,-0.19,0,0.26
3EIZ,ARG_51,12.38,-0.32,0,0.19
1R3F,HIS_163,6.21,-0.87,0.56,0.02
2FBQ,HIS_45,5.97,-0.53,0,0
1WOU,LYS_58,11.37,-0.23,0.71,0.39
1Y0K,ASP_19,4.08,0,0,0.28
1RAJ,LYS_75,10.79,-0.17,0.06,0.39
2B0A,LYS_26,10.45,-0.05,0,0
3M70,LYS_246,10.24,-0.3,0,0.05
3GEC,ARG_319,12.05,-0.33,0,-0.11
1QZN,ASP_44,3.27,-0.79,-0.3,0.56
1SI7,ASP_38,2.67,-1,-0.8,0.67
3RKV,ARG_283,12.86,-1.58,1.49,0.47
1DOV,ARG_51,12.28,-0.3,0,0.08
1F09,GLU_148,4.61,0.24,-0.06,-0.06
3GV0,GLU_218,4.25,1.61,-1.25,-0.61
3EGN,GLU_476,4.81,0.25,0,0.05
3GS3,ASP_192,2.77,-1.51,-0.09,0.56
3KV0,GLU_31,4.55,0.05,0,0
2IRM,ARG_39,12.46,-0.06,0,0.02
3T5B,LYS_172,9.78,-0.81,0,0.08
2CBE,GLU_205,3.9,1.36,-1.56,-0.4
1P6F,TYR_147,9.94,-0.18,-0.38,0.5
3V55,HIS_584,6.07,-0.76,0.45,-0.12
4FZR,ARG_208,3.9,0.19,-0.79,0
1PSW,GLU_204,4.82,0.6,0,-0.27
2V5B,GLU_27,4.6,0.26,-0.04,-0.12
2AH5,GLU_66,4.56,0.33,-0.3,0.03
1ZCE,LYS_22,11.4,-0.48,0.85,0.53
3LD1,ARG_122,11.78,-0.85,0,0.13
3ILC,GLU_158,4.65,0.13,0,0.03
2H2K,ARG_88,12.58,-0.66,0.0,0.72
3JZN,LYS_83,10.53,-0.1,0,0.12
4E5S,GLU_48,4.06,0.59,-0.81,-0.21
4H89,GLU_38,4.58,0.08,0,0
2I88,ASP_450,3.52,-1.01,-0.37,1.1
1AKO,TYR_56,10.88,0.0,28.0,6.1
2B6P,HIS_66,3.35,-3.4,0.35,-0.1
2Y2T,ARG_76,12.6,-0.08,0,0.18
3Q1C,HIS_280,6.14,-0.66,0.03,0.27
3HKX,CYS_165,13.39,-1.03,1.96,3.46
3Q9P,ASP_107,3.8,0,-0.23,0.23
3ANJ,TYR_41,12.75,0.83,0.45,1.47
3JZN,ASP_421,2.64,-2.02,-0.05,0.91
1SI7,CYS_53,9.72,0,-0.13,0.85
3U2A,ARG_92,12.11,-0.35,0,-0.04
2OGQ,HIS_524,4.32,-2.16,0.52,-0.53
3V3T,GLU_189,4.56,0.46,0,-0.4
3FRR,LYS_28,10.28,-0.13,-0.09
1VLN,LYS_137,10.74,-0.1,0,0.34
3H13,CYS_298,9.3,0,0,0.3
2V4X,TYR_10,10.43,0.0,11,0.32
1L2F,GLU_67,4.8,0.17,0,0.13
2RJD,ASP_491,3,-1.72,-1.13,2.05

1P4X,ASP_243,3.93,-0.1,-0.1,0.33
3PP8,GLU_30,4.22,0.46,-0.36,-0.38
1YR6,CYS_143,10.12,-0.15,-0.07,1.34
1PBV,LYS_207,9.94,-0.59,0,0.04
2P1W,ASP_129,3.09,-0.82,-0.49,0.61
2CL3,GLU_88,4.25,0.29,-0.01,-0.52
2WB8,HIS_778,5.28,-1.28,0,0.06
1P2F,LYS_206,10.16,-0.49,0,0.14
2IF4,LYS_134,9.65,-0.56,0,-0.29
2OJQ,GLU_449,4.74,0.21,0,0.03
1XFK,ARG_272,12.48,-0.28,0,0.26
1V6T,ARG_148,13.38,-0.28,0.49,0.67
2GZR,ARG_152,12.27,-0.36,0,0.13
1NFN,ARG_150,12.33,-0.29,0,0.12
1Z3X,ARG_219,12.12,-0.39,0,0.02
3DZ1,LYS_23,10.93,-0.2,0.21,0.43
2YWX,LYS_133,10.19,-0.46,0,0.15
3V55,GLU_652,4.11,0.38,-0.74,-0.03
3TOW,HIS_193,6.17,-0.31,0,-0.02
2FD5,GLU_166,4.58,0.06,0,0.02
1YTQ,GLU_74,4.68,0.18,0,0
3EVZ,ARG_79,12.24,-0.35,0,0.09
2HP7,ASP_85,3.87,-0.49,0.07,0.48
4F3J,HIS_156,6.01,-0.49,0,0
3CAN,ASP_69,3.09,-0.98,-0.11,0.37
4ESS,ARG_156,13.97,-0.4,1.09,0.78
3FTT,LYS_45,11.17,-0.28,0.39,0.56
1WNH,ASP_124,2.65,-1.75,-0.04,0.62
1GSZ,ASP_147,3.91,0,-0.04,0.15
3H9W,ASP_112,3.89,0,0,0.09
3HST,ASP_145,4.4,0,-0.23,0.84
2EDM,LYS_174,10.56,-0.14,0,0.2
4ACJ,LYS_745,10.69,-0.62,0.38,0.43
2OEW,LYS_110,10.35,-0.15,0,0
2AZL,TYR_100,11.81,0.85,0.38,0.58
3F1X,ASP_15,4.08,0,0,0.28
2EYI,ARG_76,12.59,-0.11,0,0.19
2B0J,ASP_319,3.71,-0.45,0,0.36
3FK5,GLU_24,4.21,0.43,-0.37,-0.35
1DZFLYS_103,10.57,-0.13,0,0.2
3P51,ASP_135,3.16,-1.58,-0.07,1.02
1TUL,ASP_10,3.93,0,-0.21,0.34
3CRM,ARG_287,11.89,-0.61,0,0
3CBN,TYR_102,9.86,-0.13,-0.2,0.19
1PV5,GLU_151,5.3,3.5,-1.68,-1.02
1MIX,GLU_384,4.88,0.39,0,0
2B61,TYR_219,11.43,-0.07,-0.71,2.21
1G5Z,LYS_174,10.77,-0.15,0,0.42
3G9T,HIS_137,5.72,-0.41,0,-0.36
2IQT,GLU_196,5.25,1.19,0,-0.43
3H9W,GLU_87,4.77,0.26,0,-2.78E-17
3OA7,ARG_25,12.23,-0.31,0,0.04
2CE6,ARG_1,12.37,-0.29,0,0.16
3MIX,GLU_325,4.61,0.1,0,0.01
3C6B,ASP_97,2.26,-2.03,-0.4,0.9
3UPD,LYS_293,10.61,-0.38,0.06,0.43
1YDL,ASP_13,3.65,-0.42,0,0.27
2YWX,GLU_113,4.99,0.51,0,-0.03
1PVT,GLU_3,4.33,0.15,0,-0.32
1U53,LYS_167,10.34,-0.17,0,0
3NBI,HIS_66,5.7,-0.83,0,0.03
1BKB,GLU_103,4.71,0.21,0,0
4DBX,LYS_275,11.85,-1.03,1.37,1.01
3FRR,TYR_132,13.34,0.31,0.87,2.16
1X04,GLU_112,4.95,0.37,0,0.07
3BWT,ARG_579,12.39,-0.2,0,0.09
3A2Z,GLU_83,4.03,0.39,-0.84,-0.02
2AHE,LYS_150,10.61,-0.16,0,0.27
2A4D,GLU_94,5.53,3.32,-1.97,-0.3

2Q13,GLU_358,5.4,0.79,0,0.11
3M66,LYS_361,9.61,-0.65,0,-0.23
2E3C,ARG_439,11.48,-1.55,0.17,0.37
2AD1,ASP_287,3.94,0,-0.07,0.2
2F4Q,ARG_129,11.5,-1.2,0,0.2
2QVT,HIS_88,4.91,-1.09,0,-0.5
1LTU,ARG_15,13.95,-0.38,1.38,0.45
2GZQ,TYR_158,10.14,0,0,0.14
3RNV,GLU_363,4.05,0.23,-0.57,-0.12
4EKU,ARG_159,12.17,-3.25,0.01,2.92
2QVT,GLU_62,4.6,0.1,0,0
1DTO,GLU_176,4.63,0.3,0,-0.16
2FZ4,LYS_169,10.07,-0.46,0,0.03
3OIF,HIS_119,4.14,-2.61,0,0.25
2BDV,ASP_142,2.53,-1.34,-0.45,0.53
3NR5,GLU_30,4.44,2.54,-2.14,-0.46
1AD6,CYS_553,12.63,-0.14,0.78,3
1LFP,ARG_21,12.25,-0.25,0,0
1XKR,LYS_173,10.33,-0.44,0,0.25
3GOZ,LYS_314,10.5,0,0,0
2GZR,ARG_182,12.21,-0.72,0.06,0.36
2HXB,LYS_151,10.7,-0.1,0,0.29
4DIU,LYS_41,10.51,-0.3,0.31
1LZL,ARG_317,12.4,-0.15,0,0.05
2E3S,GLU_397,4.47,0.28,0,-0.32
1R29,LYS_126,10.45,-0.05,0,0
2F9F,GLU_106,5.82,1.97,-0.71,0.05
1WXQ,ASP_77,3.55,-0.81,-0.51,1.07
2FZP,ASP_299,4.07,-0.23,0.13,0.37
2Q07,ASP_379,3.86,0,-0.09,0.15
1NFN,GLU_49,4.73,0.15,0,0.08
2RH3,ASP_171,3.29,-0.99,-0.2,0.69
2Q12,ARG_154,12.45,-0.05,0,0
3GEC,GLU_336,4.66,0.91,-0.22,-0.53
3UPD,CYS_227,11.83,-0.03,-0.31,3.17
4FZN,GLU_15,4.41,0.8,-0.36,-0.51
1WYC,ARG_62,12.63,-0.16,0,0.3
3IBT,GLU_155,2.95,0.58,-1.74,-0.38
2E3C,TYR_447,10.72,0,0.02,0.7
1WL,YCYS_288,11.03,0.06,1.95
1JKS,GLU_239,4.62,0.12,0,0
1AK1,HIS_65,6.29,-0.49,0,0.28
2Q5X,ARG_743,9.49,-0.6,-0.04,1.13
4FZN,ASP_28,3.92,0,-0.1,0.22
2V1L,GLU_89,4.61,0.11,0,0
1DOV,GLU_89,3.9,0.35,-0.69,-0.26
3V55,ARG_392,12.87,-1.02,0.7,0.69
2HXB,ASP_109,2.13,-1.72,-0.67,0.73
2Q13,LYS_360,10.61,-0.09,0,0.21
1QYI,TYR_191,12.54,-0.18,0.76,1.96
4E8B,ASP_23,3.33,-0.4,-0.4,0.33
3CNU,LYS_90,10.5,-0.21,0,0.21
3AU3,GLU_574,4.58,0.29,0,-0.23
3IV4,ARG_91,12.36,-0.34,0,0.19
3IVF,GLU_187,4.7,0.83,0,-0.64
3EZ7,GLU_107,4.48,0.21,0,-0.22
1RHS,LYS_153,9.92,-0.67,0,0.08
3AU3,GLU_650,3.9,0.29,-0.51,-0.39
3C5V,LYS_203,10.35,-0.15,0,0
4FZR,CYS_301,13.1,-0.1,0.94,3.26
3IOC,GLU_297,4.66,1.41,-0.8,-0.44
3BCY,ARG_82,12.37,-0.13,0,0
2Q07,LYS_457,10.78,-0.17,0,0.45
3IOO,LYS_301,10.41,-0.09,0,0
3IOC,HIS_313,6.1,-0.71,0.27,0.04
4ANN,TYR_57,10.65,0,0.2,0.45
2IF4,ARG_269,10.99,-1.95,0,0.45
3LD1,ARG_103,12.32,-0.35,0,0.17
1ZYL,CYS_202,13.94,0.1,55,3.4

3D9H,HIS_48,6.07,-0.33,0,-0.1
2ZCX,GLU_206,4.91,0.38,0,0.03
1H09,ASP_133,3.88,0,-0.23,0.32
1R3D,HIS_7,5.17,-1.33,0,0
1PV5,LYS_24,10.3,-0.23,0,0.04
2QHT,TYR_117,12.41,0.8,-0.06,1.67
1TXJ,ASP_22,3.43,-0.54,-0.27,0.44
1S17,LYS_64,10.14,-0.39,0,0.03
1TLV,LYS_88,10.02,-0.51,0,0.03
1IDK,ASP_37,2.64,-1.45,-0.88,1.16
1S18,GLU_738,4.29,1.04,-0.84,-0.42
1J74,TYR_58,12.89,-0.1,0.28,2.71
2POY,ARG_297,12.28,-0.39,0,0.16
3RKY,ASP_222,4.2,0.01,0.38
2EYI,TYR_161,11.15,0,-0.25,1.4
3EYE,LYS_68,10.15,-0.31,0,-0.04
2FM9,LYS_173,11.09,-0.26,0.85,0
3DHN,LYS_6,10.45,-0.23,0,0.18
3Q1C,GLU_113,3.82,1.08,-1.15,-0.61
2FD5,GLU_140,3.58,0.35,-1.4,0.13
3L3P,HIS_279,6.45,-0.12,0,0.07
3MTT,LYS_456,10.75,-0.29,0.11,0.43
2CL3,GLU_154,4.7,0.25,0,-0.05
1NRI,GLU_117,4.68,0.11,0,0.07
3T5B,GLU_66,5.32,1.35,-0.52,0
3BPV,GLU_45,3.67,0.42,-0.69,-0.55
3L7N,HIS_26,5.28,-0.89,0,-0.33
2F8H,GLU_10,4.58,0.19,0,-0.11
3GOZ,GLU_215,3.64,0.43,-0.99,-0.31
2EJX,ASP_13,2.8,-1.2,-0.16,0.37
1O17,ASP_180,3.68,-0.77,-0.04,0.7
2PLQ,ARG_188,10.9,-3.46,0,1.87
3MTT,ARG_531,12.58,-0.17,0,0.25
2CYG,TYR_33,12.51,0.03,2.48
4F85,TYR_55,10.77,-0.13,-0.39,1.29
3I47,ARG_131,12.11,-0.4,0,0.01
3LJI,ASP_170,3.16,-0.97,0,0.32
1R3F,ASP_71,3.78,0,-0.37,0.35
1CHD,CYS_309,11.31,0.05,2.26
2PPN,HIS_94,6.29,-0.24,0,0.03
3EYE,GLU_154,4.13,0.41,-0.83,0.06
3VHJ,LYS_111,9.93,-0.61,0,0.04
2NYC,ASP_300,3.94,0,-0.01,0.15
3CAX,TYR_190,13.15,0.03,7.29
2OB5,TYR_136,10.35,0.08,0.27
1R6Y,ARG_11,12.31,-0.23,0,0.04
3LOD,ARG_53,12.82,-0.47,0.29,0.5
3NJM,LYS_92,10.43,-0.17,0,0.1
3V55,ASP_634,4,-0.02,-0.07,0.29
2CN1,GLU_162,3.67,0.78,-1.14,-0.47
2R12,ASP_141,3.9,0,-0.19,0.3
2R2Y,ASP_117,3.78,-1.36,-0.5,1.83
1TXJ,ASP_108,3.59,-0.38,-0.14,0.31
3L3P,GLU_477,4.64,0.14,0,0
1O5J,GLU_59,4.69,0.29,0,-0.09
2D7U,ARG_315,12.48,-0.34,0,0.31
1BKR,LYS_56,10.42,-0.22,0,0.14
3CAX,ARG_224,12.94,-0.94,0.55,0.83
3RLE,LYS_162,11.82,-0.32,0.69,0.95
3Q9PHIS_103,6.23,-0.12,0,-0.15
1EW4,LYS_48,10.36,-0.15,0,0
2O4D,HIS_105,6.42,-0.08,0,0
1Q46,CYS_114,11.04,-0.08,0.12,2.01
1WOU,TYR_76,11.17,-0.1,0.37,0.9
1WJG,ASP_101,2.68,-1.24,-0.33,0.44
3PM2,ASP_2,3.86,0,-0.03,0.09
2G2D,ASP_30,2.78,-0.99,-0.5,0.48
3RFF,LYS_41,10.44,-0.06,0,0
3RFY,LYS_329,10.24,-0.26,0,0

1R16,ASP_160,2.89,-0.84,-0.28,0.21
2D59,ASP_73,4.08,-0.07,-0.04,0.4
3CGW,ARG_93,12.44,-0.87,0.18,0.64
2F4Q,ARG_44,12.33,-0.17,0,0
2FG1,ARG_51,13.25,-0.51,0.76,0.5
3NR5,ASP_98,3.99,0,0,0.19
3ILC,HIS_177,7.22,-0.83,0.85,0.7
2BV9,TYR_59,13.43,-0.84,0.44,3.82
2Q99,ARG_270,10.7,-1.65,0,-0.14
3F1X,TYR_43,10.78,0.05,0.27
2PLQ,HIS_275,5.08,-1.17,0,-0.25
3IVF,ASP_375,3.9,0,0,0.1
2A6B,LYS_120,11.51,-0.23,0.85,0.38
1J7G,ASP_84,3.07,-0.74,-0.3,0.31
2X4G,ARG_213,12.76,-1.29,0.69,0.86
2OEW,LYS_81,11.62,-0.72,0.85,0.98
2EFK,GLU_79,3.05,10.15,-0.29,0.16,-0.1
2B78,LYS_347,10.16,-0.28,0,-0.05
3ON1,ARG_93,12.27,-0.27,0,0.04
1A8Q,CYS_3,11.22,0.1,0.62,1.49
1S17,ARG_164,10.46,-1.93,0,-0.11
3H04,LYS_198,11.08,-0.73,0.58,0.73
3K1H,LYS_55,10.15,-0.29,0,-0.06
2Q34,LYS_208,10.36,-0.1,0,-0.04
3GV0,ARG_306,12.93,-0.41,0.19,0.66
1G8P,GLU_214,4.89,0.38,0,0.01
3NBI,LYS_21,10.19,-0.31,0,0
4EVF,TYR_46,9.92,-0.7,-0.07,0.69
3NR5,CYS_86,9.26,0,-0.03,0.29
3R2E,ASP_55,3.85,-0.23,-0.02,0.3
3BJV,ASP_126,3.68,0,-0.28,0.16
3M66,HIS_366,4.64,-1.86,0,0
3M66,ASP_219,3.39,-0.75,-0.11,0.45
2CWC,ARG_283,12.54,-0.48,0,0.53
4FCZ,ASP_52,2.87,-0.83,-0.31,0.2
3V3T,ARG_62,12.47,-1.35,0.47,0.85
3BPP,LYS_227,10.44,-0.08,0,0.02
3JZN,ARG_302,12.34,-0.3,0,0.15
1NFN,GLU_27,5.28,0.95,0,-0.17
1MML,TYR_268,13.13,0.04,3.27
2E3C,ARG_282,3.48,0.32,-0.77,-0.57
2RJD,LYS_426,10.58,-0.21,0,0.29
1NKD,ARG_13,13.25,-0.33,0.7,0.38
3HOX,GLU_76,4.85,0.35,0,0
3O7K,GLU_127,3.42,0.41,-1.1,-0.39
2QV2,GLU_178,5.73,3.5,-1.51,-0.76
2YWJ,LYS_122,11.69,-0.22,0.85,0.56
2RFA,CYS_213,10.05,0,-0.18,1.23
1PVT,GLU_89,4.88,0.62,0,-0.25
3JRT,LYS_128,11.21,-0.25,0.35,0.61
1XKR,LYS_2,10.41,-0.08,0,0
1O5J,GLU_67,4.82,0.24,0,0.09
2FXT,GLU_350,4.63,0.21,0,-0.08
3OBS,LYS_9,10.64,-0.46,0.22,0.38
1RAJ,LYS_314,10.5,-0.04,0,0.05
3ERF,LYS_158,10.58,-0.31,0,0.38
1J8B,ARG_83,13.23,-0.28,0.52,0.48
3ADO,LYS_188,10.43,-0.07,0,0
1YG2,TYR_69,10.84,0.03,0.45
4D8L,ASP_138,3.06,-0.84,-0.24,0.34
3CRM,TYR_42,11.7,0.03,1.67
1KCM,LYS_135,11.14,-0.21,0.85,0
3M9A,CYS_66,9.33,0.03,0.29
1ADK,LYS_384,10.04,-0.92,0,0.47
1AD6,TYR_424,9.54,-0.31,-0.43,0.28
1JT9,LYS_14,10.6,-0.24,0,0.34
4EKU,GLU_207,4.68,0.18,0,0
1UXO,ASP_35,2.81,-1.65,-0.19,0.86
3LPZ,ASP_174,2.61,-1.55,-0.11,0.46

1RHS,LYS_235,9.85,-0.65,0,0
2P4D,ASP_17,3.95,0,-0.12,0,26
3GMS,LYS_178,10.42,-0.16,0,0.08
3RLN,CYS_637,9.27,0,-0.25,0,53
3LJC,GLU_108,4.39,0.23,-0.01,-0.32
1Y2Q,GLU_36,4.53,0.19,0,-0.16
3M3P,ASP_77,4.16,0.00,0.34
4E8B,CYS_139,12.01,0,0.04,2.98
3EVN,GLU_322,4.85,0.23,0,0.13
3CSV,GLU_61,4.56,0.12,0,-0.06
3HVM,TYR_330,13.61,-0.81,0.67,3.75
3CAN,ASP_95,3.25,-0.51,-0.28,0.24
3FRR,LYS_35,10.4,-0.13,0,0.03
1GPP,ARG_87,12.16,-0.89,0,0.55
2FD5,ARG_93,12.53,-0.16,0,0.19
1XIP,ASP_318,3.68,0,-0.36,0.24
1XTZ,LYS_174,10.32,-0.35,0,0.18
1L3K,LYS_145,11.43,-0.58,0.85,0.66
1KCM,HIS_215,4.72,-2.29,0.8,-0.29
3ASA,GLU_318,4.16,0.5,-0.58,-0.26
1GVP,LYS_7,11.37,-0.36,0.77,0.45
2F19,ARG_88,12.37,-0.36,0,0.23
3HYQ,LYS_145,10.32,-0.22,0,0.04
1WRU,TYR_32,12.08,0.55,0.54,0.98
2D7U,GLU_314,4.57,0.19,0,-0.12
3M7G,ASP_201,3.21,-0.54,-0.4,0.34
2AD1,TYR_227,10.38,0.12,0.05,0.22
3HVM,GLU_62,4.38,0.26,0,-0.38
3IRA,GLU_146,3.63,0.36,-0.85,-0.39
1YR6,ASP_96,2.26,-1.86,-0.35,0.68
3BJV,LYS_95,10.28,-0.37,0,0.16
3EVN,ARG_269,12.74,-0.39,0.25,0.38
1JB3,ARG_9,13.23,-0.11,0.51,0.34
3IL3,LYS_133,10.39,-0.68,0,0.57
1D2K,LYS_148,10.94,-0.78,0.85,0.36
4FH3,GLU_257,4.05,0.28,-0.73,-0.01
3BPV,HIS_43,6.18,-0.44,0,0.12
1WLY,LYS_287,11.57,-0.26,0.85,0.49
1WRU,ARG_201,13.87,-0.18,0.9,0.65
1NJ4,ASP_204,2.28,-1.89,-0.38,0.75
2RFA,HIS_264,6.44,-0.11,0.07,-0.01
2QRX,LYS_39,10.27,-0.2,0,-0.03
3P28,GLU_47,4.41,0.53,-0.33,-0.29
1TJE,ASP_133,3.33,-0.85,-0.04,0.43
2CWC,ARG_111,12.74,-0.39,0.3,0.33
1YLN,ARG_169,12.29,-0.57,0.08,0.3
1QSZ,ASP_652,2.5,-1.7,0.02,0.38
2CYG,TYR_182,10.38,0.05,0.34
1WNH,TYR_107,11.24,0.036,0.88
1RHS,GLU_62,4.76,0.33,0,-0.07
1UOH,ASP_71,4.32,-0.1,0.22,0.4
3PAC,ARG_179,12.98,-0.1,0.22,0.36
4GCO,TYR_153,10.08,0,-0.08,0.17
3I47,GLU_80,3.8,0.31,-1,0
2RIK,ARG_43,12.57,-0.26,0,0.33
1SUU,GLU_525,4.64,0.18,0,-0.04
3NR5,TYR_141,11.82,0.41,1,1.41
3MEW,GLU_265,4.09,0.58,-0.61,-0.39
2OBI,CYS_148,10.16,0,0.38,0.77
1P2F,LYS_140,10.8,-0.13,0,0.43
1PGV,GLU_352,4.3,0.2,0,-0.41
3GA2,GLU_109,3.46,0.19,-0.85,-0.38
2CXC,TYR_27,9.87,-0.33,-0.17,0.37
2O4D,ASP_117,3.08,-0.65,-0.38,0.31
3ETU,GLU_118,5.04,0.87,0,-0.33
2V81,GLU_160,4.44,0.3,-0.36,0
4EF5,TYR_199,13.96,-0.04,1.1,2.92
2FBI,TYR_52,10.03,0,-0.13,0.16
2BOJ,ARG_136,13.29,-0.37,0.7,0.47
1Y0K,LYS_26,11.55,-0.68,0.78,0.95
3JRT,LYS_118,10.63,-0.07,0,0.2
1YR6,GLU_19,3.51,0.82,-1.08,-0.73
2OJQ,ARG_566,11.34,-1.32,0,0.16
3R87,TYR_13,10.11,0,0.0,11
3N2T,TYR_197,11.94,0.2,0.04,1.68
3GOZ,LYS_182,10.07,-0.77,0,0.35
1ANU,ASP_53,3.58,-0.25,-0.29,0.3
1Q2Y,GLU_20,3.89,0.35,-0.58,-0.38
1X04,ASP_30,2.33,-1.56,-0.41,0.49
3CJW,GLU_346,3.45,0.63,-1.26,-0.41
2WB3,TYR_375,10.05,0,-0.18,0.23
1PGV,GLU_252,4.43,0.11,0,-0.18
2OGQ,ASP_554,1.28,-2.63,-0.8,0.9
1QYI,HIS_98,6.59,-0.37,0,0.46
2IF4,LYS_292,10.34,-0.17,0,0.01
4EUG,GLU_112,4.26,0.67,-0.83,-0.09
2OSA,GLU_410,4.61,0.17,0,-0.06
3FTT,ARG_121,12.18,-0.32,0,0
1SUU,GLU_506,4.49,0,-0.01,0
4FH3,LYS_227,10.16,-0.36,0,0.02
1YM5,LYS_96,10.45,-0.07,0,0.02
1V43,GLU_118,4.52,0.29,0,-0.27
1YB2,ARG_148,12.5,-0.25,0.0,0.25
1XWM,GLU_32,4.7,0.25,0,-0.05
3HVV,ASP_298,3.29,-1.68,0,1.17
3U4K,ARG_105,11.78,-1.58,0.1,0.76
4DIU,ASP_245,3.98,0.02,0.15
4DIU,TYR_238,11.07,0.23,0.43,0.41
3F5D,TYR_180,10.43,0,-0.03,0.46
2RH3,TYR_139,12.58,-0.09,0.01,2.66
4EZB,ASP_57,4.02,0,-0.02,0.24
2JEO,TYR_144,10.58,0.17,0.41
1KN3,HIS_145,6.45,-0.25,0,0.2
2AZP,TYR_231,10.48,-0.04,-0.42,0.95
1FO9,TYR_204,10.92,0,0.0,0.92
1J7G,LYS_25,9.95,-0.54,0,-0.02
2CXC,LYS_120,10.47,-0.03,0,0
4FH3,ARG_184,13.53,-1.3,1.64,0.69
3IBT,CYS_98,12.61,-1.45,0.11,4.95
2IF4,GLU_49,4.68,0.1,0.0,0.8
3GA2,GLU_51,4.59,0.09,0,0
2YT4,HIS_687,5.8,-0.81,0,0.11
2E3C,LYS_375,10.46,-0.08,0,0.04
3CAN,ARG_56,12.94,-0.29,0.29,0.44
3BW7,GLU_627,4.18,0.24,-0.47,-0.08
1WXQ,ARG_136,13.12,-0.33,0.37,0.59
2V4X,ARG_79,12.18,-0.34,0,0.03
1T3Y,ARG_57,11.88,-1.23,0.01,0.61
3DSH,ARG_399,12.08,-0.69,0,0.27
3HUE,ASP_200,3.68,-0.32,-0.15,0.35
4HDE,GLU_89,4.65,0.1,0.0,0.05
1YDL,GLU_48,3.93,0.27,-0.77,-0.07
1ILW,GLU_97,4.54,0.23,0,-0.18
1ZHV,HIS_130,6.01,-0.55,0.28,-0.21
2D59,LYS_99,10.43,-0.1,0.0,0.03
1XTD,ASP_110,3.66,-0.45,0,0.31
2W2S,ARG_88,12.76,-0.33,0.21,0.38
2IIA,TYR_50,10.38,0.07,0.32
3Q6L,ARG_131,11.91,-0.45,0,-0.14
2QK1,LYS_437,10.6,-0.21,0,0.31
2H01,GLU_9,3.85,0.29,-0.57,-0.37
1YTD,LYS_389,10.58,-0.06,0,0.14
3DSH,ASP_395,1.89,-1.7,-0.82,0.6
3EIZ,ASP_125,3.86,-0.03,-0.14,0.23
2RIS,GLU_171,4.02,0.28,-0.74,-0.02
2PGX,ARG_146,11.51,-1.05,0,0.06
2IF4,ARG_181,12.57,-1.65,0.78,0.95
3CCY,GLU_130,4.53,0.35,0,-0.32
2VGM,GLU_280,5.05,2.03,-0.86,-0.62
1ZBS,ARG_61,12.58,-0.33,0,0.41
1C44,LYS_110,10.3,-0.2,0,0
4H86,LYS_124,10.69,-0.31,0,0.5
1O1F,ARG_106,12.37,-0.24,0,0.12
3ETV,LYS_71,10.27,-0.26,0,0.03
3M66,ASP_259,3.04,-0.85,-0.26,0.34
1YB2,GLU_14,4.63,0.19,0,-0.06
2EJX,ARG_71,13.75,-0.35,0.96,0.63
2B2H,TYR_59,12.46,0.0,0.58,1.89
3LH5,ASP_517,3.79,-0.13,0,0.13
2NSN,ARG_101,12.39,-0.11,0,0
3ZRI,HIS_-7.6,2.4,-0.26,0,0
1WLY,GLU_281,3.44,0.68,-1.69,-0.05
2HNG,ASP_81,2.89,-0.85,-0.4,0.34
3CX2,TYR_220,10.8,0.0,0.25,0.56
2IF4,GLU_58,4.29,0.28,-0.13,-0.35
2D7U,TYR_298,11.6,0.45,1.14
4ECC,LYS_132,10.55,-0.39,0,0.44
3M66,ASP_187,2.28,-1.7,-0.38,0.56
3ZSL,ARG_144,12,-0.7,0,0.2
3LD1,LYS_32,10.3,-0.14,0,-0.06
2ZQ5,TYR_160,10.1,0,-0.03,0.12
2CBE,HIS_94,1.33,-2.73,0.21,-2.65
1MHN,LYS_119,10.46,-0.04,0,0
2OSA,GLU_392,3.02,1.21,-1.81,-0.88
3LQE,GLU_336,4.11,0.78,-0.85,-0.33
2QEV,LYS_56,11.64,-0.44,0.85,0.73
3GA2,HIS_7,4.76,-1.77,0,0.03
1NIJ,GLU_250,4.58,0.14,0,-0.07
3ADO,LYS_286,10.42,-0.08,0,0
3P51,TYR_89,10.46,0.0,0.26,0.21
1ZHV,HIS_104,4.7,-1.7,0,-0.1
1Q8B,GLU_40,4.59,0.17,0,-0.07
1SQW,GLU_171,5.12,1.08,-0.56,0.09
2CN1,TYR_81,11.57,0.73,0.07,0.77
1T07,GLU_28,4.64,0.14,0,0
3C2E,TYR_275,10.8,-0.8,0.71,0.88
1YM5,LYS_269,10.67,-0.21,0,0.39
3IRA,ASP_154,3.09,-0.81,-0.38,0.48
1CBY,GLU_214,4.64,0.58,-0.19,-0.24
1MUF,GLU_90,5.07,0.28,0.03,0.26
2PLQ,TYR_214,13.53,-0.11,0.23,3.42
1G8P,LYS_248,10.32,-0.26,0,0.07
3E7P,ARG_132,13.53,-0.35,0.79,0.59
1YDL,ASP_37,2.73,-1.17,-0.38,0.48
3F7M,ARG_293,11.63,-1.03,0.0,16
2OKT,ARG_317,12.05,-0.55,0,0.1
3M7D,ARG_252,12.21,-0.23,0,-0.05
4FCU,ASP_25,3.91,0,-0.04,0.15
2R57,ASP_176,3.51,-0.57,-0.01,0.29
2V1L,CYS_93,11.11,0.16,0.64,1.31
3GV0,GLU_182,13.42,-0.25,0.85,0.32
2H30,LYS_57,10.08,-0.35,0,-0.07
3FRR,HIS_150,6.06,-0.32,0,-0.13
2J8A,LYS_356,10.51,-0.11,0,0.12
1EYH,HIS_73,5.87,-1.1,0.84,-0.37
3F1X,ARG_109,13.13,-0.33,0.54,0.43
2DG7,ARG_182,13.42,-0.25,0.85,0.32
2QHT,HIS_151,2.93,-2.84,0,-0.74
3ZSL,GLU_165,2.31,0.48,-2,-0.67
3FHF,ASP_104,3.38,-0.74,-0.06,0.38
3HUE,ASP_261,4.1,0.09,0.22
3EAZ,GLU_127,4.47,0.31,0,-0.35
2EYJ,GLU_113,4.03,0.32,-0.73,-0.06
3V4G,GLU_39,4.49,0.09,0,-0.11
2B78,GLU_11,4.42,0.42,-0.44,-0.06
3JRT,HIS_109,6.29,-0.21,0,0
2POL,ASP_185,3.37,-0.65,-0.19,0.42
2D2S,ASP_699,4.3,0,-0.49,0.98
2P5D,LYS_121,9.89,-0.71,0,0.1
2Q12,TYR_203,10.34,0,0,0.34
2CN1,GLU_94,3.34,0.36,-1.47,-0.05
3IVF,HIS_188,6.49,-0.28,0,0.28
2FPN,TYR_67,10.65,0.0,0.32,0.33
1RIS,GLU_89,3.54,0.52,-0.85,-0.63
4DIU,GLU_145,4.53,0.08,0,-0.04
1L2H,TYR_121,11.1,0,0.43,0.67
4F85,LYS_221,10.42,-0.19,0,0.11
1WNH,ASP_173,3.04,-0.98,-0.42,0.64
2VAN,TYR_327,11.47,0.19,-0.09,1.36
3G9G,LYS_33,10.17,-0.32,0,-0.01
1DVO,ASP_74,4.09,-0.12,0.14,0.27
3CO1,LYS_100,9.88,-0.36,0,-0.27
3CXS,GLU_69,4.3,0.36,-0.56,0
3M66,GLU_174,4.58,0.51,-0.18,-0.05
3EST,GLU_204,4.61,0.69,-0.56,-0.01
3OOP,ARG_25,12.24,-0.26,0,0
3F1X,ARG_297,12.45,-0.05,0,0
2B6P,LYS_259,10.46,-0.09,0,0.05
1OIS,GLU_350,2.59,1.08,-2.69,-0.31
1E59,ARG_59,12.4,-0.17,0,0.07
2WB8,TYR_464,11.98,0.71,1.27
2P52,TYR_217,11.52,0.05,1.48
2AZP,ARG_260,12.55,-0.14,0,0.19
1YLN,GLU_159,4.12,0.66,-0.7,-0.36
1PNE,HIS_133,6.04,-0.29,0,-0.17
1ZP2,GLU_102,4.58,0.51,-0.18,-0.25
3VJ8,LYS_242,10.92,-0.32,0.69,0.05
1KN3,HIS_118,6.71,-2.56,0.98,1.79
1ZBS,ARG_46,12.62,-0.26,0,0.38
3IVF,TYR_395,10.3,0,-0.12,0.42
2B3M,GLU_50,3.94,0.32,-0.72,-0.16
1WOU,GLU_117,4.51,0.3,0,-0.3
2OKT,HIS_341,6.29,-0.21,0,0
2F4Q,ARG_323,13.77,-0.18,0.96,0.49
3L0D,TYR_2,10.67,0,0.07,0.6
2Q13,GLU_198,4.81,0.32,0,-0.01
2QV2,TYR_257,10.23,0,-0.18,0.41
1NJ4,ASP_218,3.73,0,-0.22,0.15
3H5T,TYR_9,10.05,0,0,0.05
3T8R,LYS_19,10.16,-0.31,0,-0.04
2DG7,ARG_41,12.22,-0.31,0,0.02
1IDK,HIS_259,6.48,-1.72,0.85,0.85
3M16,LYS_151,10.34,-0.17,0,0.01
1SUU,ASP_545,3.01,-2.15,-0.24,1.6
2RJD,GLU_297,4.6,0.18,0,-0.08
3BA1,ARG_47,13.32,-0.56,0.95,0.44
3MTT,ARG_547,12.46,-0.23,0,0.19
1O5T,ARG_417,13.69,-0.36,0.81,0.73
2E3C,ASP_281,3.93,0.01,0.12
2X4L,TYR_248,11.56,0.02,1.54
3GMS,GLU_73,4.42,0.77,-0.47,-0.37
2Q07,LYS_270,10.8,-0.27,0,0.58
1P6F,ASP_49,4.79,0,-0.02,1.01
3AU3,ARG_623,12.44,-0.06,0,0
1RHS,LYS_226,4.56,0.1,0,-0.04
2QEW,LYS_23,10.23,-0.16,0,-0.1
2A4D,GLU_215,4.56,0.31,0,-0.25
2FM9,HIS_193,6.36,-0.36,0,0.22
1XDZ,TYR_29,10.97,-0.03,0.16,0.85
2OSA,GLU_416,4.57,0.17,0,-0.1
3G53,HIS_238,6.36,-0.14,0,0
2R05,LYS_87,10.36,-0.14,0,0
3CGW,ARG_76,12.5,-0.31,0.31,0
3PU6,ASP_55,3.14,-0.66,-0.44,0.45
3HVM,GLU_226,3.94,0.6,-0.46,-0.7
2D7U,TYR_250,10.19,0,-0.04,0.23

3MEW,HIS_250,5.94,-0.35,0,-0.21
 3F6F,TYR_177,11.56,-0.28,0.4,1.44
 3RLN,LYS_732,10.51,-0.19,0,0.2
 2Q99,GLU_81,4.66,0.16,0,0
 3AU3,GLU_565,4.26,0.38,0,-0.62
 1C44,CYS_71,11.19,-0.01,0.06,2.14
 3ETV,GLU_214,4.01,1.1,-1.24,-0.35
 1LPL,ASP_220,3.9,0,-0.07,0.17
 3GE9,ARG_163,12.38,-0.12,0,0
 1V6T,LYS_159,10.59,-0.47,0,0.56
 1QQL,GLU_70,4.38,0.2,0,-0.32
 3CQ1,GLU_62,3.63,0.3,-0.84,-0.33
 3ELI,GLU_118,4.59,0.12,0,-0.04
 2B6P,ARG_226,12.75,-1.42,0.49,1.18
 3K1H,CYS_86,10.89,0,-0.06,1.95
 1MUF,ASP_112,3.7,-0.03,-0.32,0.26
 3P29,ASP_204,1.37,-2.98,-0.21,0.76
 4E9E,GLU_489,4.1,0.38,-0.73,-0.05
 2FPN,GLU_176,4.46,0.21,-0.31,0.05
 3B7X,GLU_138,3.76,0.43,-0.62,-0.55
 1MML,TYR_64,10.08,0,0,0.08
 3GA2,LYS_151,11.03,-0.16,0.1,0.6
 2B8T,ASP_178,3,-1.06,-0.49,0.75
 2YWJ,ARG_146,12.21,-0.31,0,0.02
 1J33,ARG_21,12.52,-0.08,0,0.1
 1D2K,LYS_348,10.46,-0.27,0,0.23
 3ELI,HIS_128,4.38,-1.74,0,-0.38
 2C13,CYS_73,10.93,-0.92,0.14,2.7
 1FKM,TYR_440,13.93,0.63,3.3
 1EV8,ARG_127,12.41,-0.1,0,0.01
 2CW4,TYR_98,10.32,0,0,0.32
 3M7D,ARG_270,12.46,-0.04,0,0
 3FXH,CYS_18,9.59,0.05,0.55
 1P4X,GLU_89,4.63,0.13,0,0
 4EKU,LYS_169,10.36,-0.2,0.0,0.06
 1AK1,ASP_237,4.25,0,-0.01,0.47
 3LJN,LYS_92,10.55,-0.11,0,0.16
 1WYC,GLU_78,4.81,0.31,0,0
 1P4X,ASP_31,3.9,0,-0.03,0.14
 3HZQ,LYS_11,10.44,-0.06,0,0
 1GPP,ARG_91,11.95,-0.53,0,-0.03
 3HVM,LYS_10,10.47,-0.11,0,0.08
 3N2T,TYR_208,11.77,0.05,1.72
 1OST,ARG_119,13.93,-0.71,1.37,0.77
 3RLE,ARG_174,13.4,-1.26,1.55,0.61
 2V5B,LYS_53,10.31,-0.53,0,0.34
 1ZBS,LYS_282,6.39,-0.26,0.15
 2H2W,ARG_171,13.92,-0.32,1.08,0.66
 4FLE,HIS_30,6.05,-0.45,0,0
 3CAN,HIS_20,7.12,-0.3,0.65,0.27
 2FL7,LYS_183,10.65,-0.15,0,0.3
 3PAC,LYS_41,10.8,-0.36,0,0.66
 2PP6,LYS_85,10.64,-0.75,0.48,0.41
 1MUF,ARG_320,12.67,-1.16,0.09,1.24
 1U53,LYS_94,10.57,-0.21,0,0.29
 2I88,ASP_423,3.5,-0.53,-0.22,0.45
 2F8H,HIS_272,7.07,-0.36,0.85,0.08
 2JEO,GLU_138,3.97,2.61,-1.21,-1.93
 3LH5,HIS_766,5.96,-0.79,0.15,0.1
 2AZL,ARG_130,12.02,-0.28,0,-0.2
 1PZC,LYS_109,10.59,-0.18,0,0.27
 2I6I,LYS_48,11.79,-0.36,0.85,0.79
 3UX2,GLU_60,4.6,0.1,0,0
 1WRU,GLU_337,5.03,0.59,0,-0.05
 2D7U,GLU_176,6.75,4.37,-0.98,-1.14
 1NIJ,GLU_74,4.76,0.42,0,-0.16
 1ILW,TYR_132,10.66,0.15,0.52
 1UJ8,HIS_9,7.48,-0.35,0.85,0.49
 3HYQ,TYR_104,11.28,0.2,1.07
 1X91,LYS_51,10.5,-0.26,0.0,0.25
 4DIU,ARG_36,12.35,-0.36,0,0.21
 4DBX,TYR_240,13.93,0.27,3.66
 3O48,CYS_87,12.22,0.26,0.44,2.52
 2AH5,GLU_172,4.79,0.34,0,-0.05
 3G9G,ASP_238,3.39,-0.53,-0.27,0.39
 1UAJ,TYR_86,12.29,-0.08,0.32,2.04
 1V43,LYS_330,10.62,-0.16,0,0.28
 2QHT,TYR_71,10.94,0.0,0.41,0.53
 3F7M,GLU_278,4.99,1.25,-0.76,0
 3OKQ,GLU_645,3.65,0.26,-0.73,-0.38
 1RHS,TYR_83,12.53,-0.84,0.92,2.46
 2FPN,HIS_161,6.31,-0.28,0,0.09
 2OEW,ARG_173,12.43,-0.07,0,0
 1TWU,ARG_17,11.61,-1.74,0,0.85
 3IOC,ASP_326,3.71,-1.07,0.06,0.92
 3C38,ASP_233,3.39,-0.36,-0.32,0.27
 1O5J,LYS_24,11.28,-0.58,0.85,0.5
 1WYC,ASP_252,3.89,0,-0.16,0.24
 2HXB,TYR_11,9.55,-0.88,-0.34,0.77
 3EVZ,LYS_45,10.4,-0.44,0.1,0.23
 3OA7,GLU_27,4.66,0.2,0,-0.04
 3BWT,TYR_775,10.4,-0.14,0.06,0.48
 2E3C,ASP_230,4.5,-0.16,-0.42,1.28
 1AKO,LYS_218,10.47,-0.11,0,0.07
 3KBS,LYS_460,10.42,-0.11,0,0.03
 1LZL,ASP_175,2.98,-1.35,-0.41,0.94
 3U2A,LYS_119,10.48,-0.25,0,0.23
 2GAU,LYS_40,10.06,-0.2,0,-0.24
 4H4J,ASP_232,3.76,-0.02,-0.32,0.29
 1RAJ,ARG_306,9.74,-3.5,0,0.74
 1L2F,GLU_141,4.58,0.23,0,-0.15
 1O9G,GLU_180,5.6,0.95,0,0.14
 1ATO,GLU_361,4.57,0.07,0,0
 3LE4,ARG_325,12.37,-0.13,0,0
 1WP5,GLU_319,4.54,0.15,0,-0.11
 3CGW,LYS_154,10.51,-0.25,0,0.25
 1NIJ,ASP_47,3.41,-0.61,0,0.21
 1D2K,TYR_133,10.64,-0.39,0.25,0.78
 2RIK,LYS_233,10.46,-0.04,0,0
 1YM5,HIS_82,7.06,-3.09,1.12,2.52
 2CBE,LYS_24,10.23,-0.25,0,-0.02
 1NAR,ASP_119,3.88,-0.16,0.04,0.21
 4EZB,LYS_78,10.35,-0.17,0,0.01
 2O8P,ASP_214,3.9,0,0,0.1
 4FCU,TYR_196,13.6,-0.13,1.06,2.66
 3ASA,LYS_310,9.96,-0.42,0,-0.12
 1J74,ARG_11,11.71,-1.03,0,0.24
 3M7G,HIS_200,4.72,-2.4,0.85,-0.24
 3FWU,LYS_33,9.72,-0.95,0,0.17
 4DEZ,GLU_54,4.69,0.15,0,0.04
 4GCO,CYS_203,11.02,-0.24,0.06,2.21
 4DVD,ARG_127,12.62,-0.11,0,0.23
 2H2Z,ASP_33,4.33,0.0,11,0.42
 3CQ1,TYR_44,9.93,-0.71,0.14,0.51
 1XDZ,ARG_138,11.53,-1.31,0,0.34
 1WLY,GLU_74,3.04,0.47,-1.62,-0.31
 1RI5,ARG_259,12.99,-0.25,0.34,0.4
 4H86,ASP_134,3.89,0,0,0.09
 1XIP,ARG_274,12.57,-3.18,0.72,2.54
 3RE9,HIS_182,6.02,-1.09,0.78,-0.17
 2BQQ,GLU_120,4.58,0.23,0,-0.13
 1T07,ARG_36,12.62,-0.26,0,0.38
 2VAN,HIS_252,5.98,-1.41,0.54,0.36
 2Q5X,ARG_825,13.1,-0.33,0.62,0.31
 3GA2,CYS_153,9.55,0.0,0.03,0.52
 1YTD,GLU_309,5.22,0.98,0,-0.26
 4FCU,ARG_78,10.94,-1.39,0,-0.18
 1X8F,HIS_67,6.41,-0.09,0,0
 3LPZ,CYS_96,11,-1.14,0,3.15
 3C2E,LYS_202,10.43,-0.31,0,0.24
 2RGY,ARG_359,12.37,-0.29,0,0.16
 2BV9,ASP_56,3.35,-0.79,-0.28,0.62
 1K95,ASP_132,5.29,-0.48,0.21,1.76
 2CVB,LYS_86,10.55,-0.14,0,0.19
 3LOD,ARG_126,12.35,-0.33,0,0.19
 1ILW,LYS_159,10.83,-0.17,0,0.5
 1MTZ,TYR_44,12.92,-1.52,0.56,3.88
 1PV5,GLU_188,4.81,0.26,0,0.05
 3CNU,TYR_91,11.28,0.0,0.08,1.19
 3BCY,LYS_97,9.74,-0.61,0,-0.15
 2E3C,LYS_205,10.43,-0.08,0,0.01
 1OGL,LYS_210,10.46,-0.04,0,0
 2I6I,ASP_124,4.1,0,-0.02,0.33
 3UAH,ARG_404,12.19,-0.55,0,0.24
 1OLR,LYS_62,8.63,-1.91,0,0.04
 2YYO,ASP_68,1.63,-1.84,-0.69,0.37
 3G53,CYS_139,10.97,-0.29,0.36,1.89
 1ZBM,LYS_169,10.3,-0.27,0,0.07
 3CO1,TYR_68,4.56,0.31,0,-0.25
 1TLV,TYR_254,10.68,-0.46,-0.14,1.29
 3MIX,TYR_558,10.42,0.04,0.37
 1XIP,LYS_58,10.48,-0.58,0.16,0.39
 2OGQ,GLU_568,4.49,0.86,-0.82,-0.05
 1O6D,HIS_41,7.25,-0.52,0.85,0.42
 1YDL,ASP_62,3.86,0,0,0.06
 3CX5,LYS_135,10.04,-0.46,0,0
 2RGY,HIS_203,5.85,-0.52,0,-0.13
 1XAW,LYS_485,10.74,-0.32,0,0.56
 1MUF,TYR_86,10.07,0.01,0.05
 3V3T,TYR_273,9.43,-0.65,-0.36,0.44
 2E3C,LYS_214,10.57,-0.15,0,0.22
 1O6D,GLU_80,4.16,0.3,-0.83,0.19
 1Y65,GLU_32,4.79,0.29,0,0
 2B0A,GLU_108,4.62,0.12,0,0
 1DUN,CYS_22,9.72,-0.03,-0.48,1.23
 1XEU,GLU_276,4.92,0.37,0,0.05
 1AM2,TYR_162,11.18,0.0,0.41,0.78
 1RI6,ARG_181,11.69,-3.24,0.19,2.25
 3C2E,GLU_24,4.75,0.19,0,0.05
 1ZP2,ASP_226,4.07,0,0,0.27
 3COU,TYR_146,10.63,0,0,0.63
 3M3P,HIS_88,4.83,-2.79,0,1.12
 1FHL,ASP_17,4.1,0,0.09,0.21
 2P5D,GLU_103,4.5,0.29,0,-0.29
 3H9W,TYR_99,10.46,0,-0.02,0.48
 3G59,GLU_234,4.5,0,0,0
 3E27,ARG_13,12.15,-0.25,0,-0.09
 3LH5,GLU_640,4.66,0.16,0,0
 1X7F,LYS_237,11.13,-0.38,0.29,0.71
 3LH5,GLU_659,4.79,0.49,0,-0.19
 4F2E,ARG_351,13.65,-0.41,1.15,0.41
 3CS1,LYS_108,10.55,-0.07,0,0.12
 4FH3,GLU_54,4.61,0.18,0,-0.08
 3I47,ARG_50,11.8,-0.93,0,0.23
 1TXJ,GLU_21,4.1,0.57,-0.44,-0.53
 2RIK,GLU_17,4.73,0.23,0,0
 1CBY,TYR_48,10.34,-0.85,0.27,0.92
 1TD6,GLU_156,5.62,3.89,-1.78,-0.99
 3ONT,ARG_19,12.4,-0.1,0,0
 1O6D,TYR_22,11.87,0.85,0.39,0.62
 3MTT,LYS_590,11.96,-0.39,1.08,0.76
 2CY2,GLU_80,4.73,0.2,0,0.03
 3EJG,GLU_63,3.99,0.35,-0.48,-0.38
 3D9H,ASP_68,4.14,0,0.1,0.24
 2B0A,GLU_34,4.67,0.17,0,0
 2R57,GLU_310,4.56,0.07,0,-0.01
 2FBQ,LYS_101,10.45,-0.05,0,0
 3ULX,ASP_55,3.42,-1.43,0,1.05
 2H2W,GLU_226,4.99,1.58,-0.98,-0.1
 2YYO,ARG_95,12.39,-0.11,0,0
 1H09,TYR_238,10.74,0.06,0.06,0.61
 2B9V,LYS_234,4.96,2.56,-1.14,-0.97
 2R51,LYS_49,11.28,-0.28,0.68,0.38
 4EKU,GLU_202,4.56,0.17,0,-0.12
 1T95,GLU_90,4.1,0.29,-0.42,-0.26
 2BAA,GLU_56,7.04,4.07,-1.53,0
 2X4G,ASP_145,3.93,0.0,0.13
 1OLR,ARG_3,12.27,-0.23,0,0
 1L3K,ARG_14,12.26,-0.58,0.34
 3RLN,ASP_656,3.91,0,-0.01,0.12
 1O17,LYS_284,10.53,-0.29,0,0.31
 2QV2,ASP_195,3.99,0,-0.11,0.3
 3A0X,ARG_738,12.89,-0.39,0.39,0.39
 2BV9,TYR_74,10.66,0.15,0,0.51
 3FHF,TYR_159,11.37,0.0,11,1.26
 2OSA,ARG_304,12.26,-0.31,0,0.07
 3Q6L,LYS_32,10.29,-0.29,0,0.08
 1U53,LYS_184,10.26,-0.24,0,0
 2YWK,GLU_23,4.09,0.48,-0.76,-0.12
 4F85,LYS_171,10.28,-0.09,0,-0.13
 1NAF,GLU_275,4.58,0.08,0,0
 3DHN,GLU_44,4.56,0.06,0,0
 2Q07,LYS_344,10.89,-0.83,0.76,0.46
 3CS1,ARG_120,13.6,-1.94,1.6,1.45
 1QOE,ARG_192,12.45,-0.05,0,0
 1ZKZ,HIS_98,6.28,-0.34,0,0.12
 1T95,CYS_207,11.13,0.0,12,2
 1XKR,TYR_28,10.06,0,0,0.06
 3G9G,TYR_53,12.29,0.71,0.91,0.68
 1YR6,ARG_51,13.56,-0.81,1.09,0.79
 2NSN,ASP_66,3.12,-0.73,-0.28,0.33
 3V55,GLU_390,3.83,2.5,-2.42,-0.75
 3GW3,ARG_179,12.29,-0.16,0,-0.04
 2IRM,LYS_190,10.49,-0.44,0,0.43
 2QDJ,GLU_72,4.5,0.21,0,-0.22
 2Z0M,GLU_315,4.14,0.77,-0.59,-0.54
 2C2Y,CYS_57,12.25,-0.03,0.06,3.22
 3BQW,GLU_234,4.75,0.13,0,0.12
 1FKM,ARG_286,13.22,-2.51,1.41,1.83
 1SNT,ARG_189,12.5,-0.1,0,0.09
 2C2Y,ASP_153,3.89,0,-0.08,0.17
 1R3F,HIS_196,5.29,-1.5,0.36,-0.06
 3RKV,LYS_241,10.28,-0.28,0,0.05
 2D59,LYS_24,12.38,-0.74,1.5,1.13
 2CWC,ARG_203,12.45,-0.33,0,0.27
 3C6B,LYS_249,10.81,-0.36,0,0.67
 3RLN,LYS_598,10.33,-0.17,0,0
 1DUN,HIS_107,6.11,-0.44,0,0.05
 3E27,LYS_234,11.41,-0.65,0.44,1.12
 1T3Y,GLU_128,4.64,0.32,0,-0.18
 2OPJ,ARG_13,11.99,-0.51,0,0
 3E7P,GLU_215,4.61,0.11,0,0
 2D8N,LYS_180,9.94,-0.64,0,0.07
 3GW3,GLU_119,4.75,0.19,0,0.06
 1QOE,ASP_179,4.14,-0.22,-0.26,0.81
 2AZL,HIS_118,6.35,-0.43,0,0.29
 1RAJ,TYR_384,10.17,0,-0.09,0.26
 2A6B,HIS_172,3.77,-3.52,0.79,0
 3CCY,ASP_14,3.94,-0.11,-0.21,0.46
 2X4G,GLU_236,3.65,0.76,-0.78,-0.83
 2X5Y,GLU_745,4.68,0.18,0,0
 4D8L,LYS_137,10.26,-0.52,0.03,0.3
 1ZKZ,ASP_88,4.16,0,0,0.36
 2X4G,GLU_220,3.28,1.56,-2.7,-0.09
 2CXA,GLU_163,4.67,0.19,0,-0.02
 1GPP,GLU_100,4.72,0.22,0,0

1SQH,ASP_101,3.91,0,0,0.11
3CGW,HIS_146,5.6,-1.08,0,0.18
1R53,LYS_6,10.66,-0.18,0,0.33
2HRZ,GLU_40,4.78,0.28,-0.03,0.04
3AUF,GLU_127,3.98,0.37,-0.6,-0.29
2BOJ,CYS_253,9.8,-0.29,0,3,0.8
1AD6,LYS_432,10.38,-0.13,0,0
1EV8,ASP_139,3.92,-0.02,0,0.13
3I0C,ARG_248,11.8,-1.25,0,0.55
2RH3,HIS_183,5.58,-0.81,0.21,-0.33
3KB5,HIS_299,4.8,-1.77,0.04,0.03
3E0H,ASP_114,3.9,0,-0.1,0.2
3RHE,ARG_117,12.82,-2.68,1.58,1.42
2QRX,GLU_25,4.6,0.32,0,-0.22
2ZTY,ASP_66,3.97,0,0.01,0.16
3DZ1,ARG_91,12.56,-0.11,0,0.17
4DBX,GLU_77,4.5,0.28,0,-0.28
2Q07,ASP_466,3.33,-0.68,-0.11,0.32
1R29,TYR_58,9.92,-0.19,-0.02,0.13
1GXN,LYS_411,11.31,-0.42,0.85,0.38
1W7B,GLU_242,4.49,0.36,-0.1,-0.27
2OYZ,LYS_49,10.44,-0.06,0,0
2FZ4,GLU_99,5.43,0.91,-0.08,0.1
3GV0,CYS_183,10.27,0,0.19,1.08
3JV1,ARG_110,12.58,-0.08,0,0.16
2IAH,HIS_85,6.66,-0.39,0.53,0.02
2F4Q,LYS_22,9.4,-0.84,0,-0.26
3LPZ,TYR_124,10.29,0,0.14,0.15
3CS1,ARG_35,12.66,-0.36,0.1,0.41
2VGM,GLU_72,4.1,0.1,-0.85,-0.66
2H85,TYR_32,10.86,0.05,0.44,0.37
1A8Q,HIS_57,3.43,-3.2,1.11,-0.97
1R3D,HIS_37,5.94,-0.43,0,-0.13
1YIB,LYS_204,10.38,-0.12,0,0
2F8H,HIS_165,2.92,-3.64,0.07,-0.01
3GOZ,GLU_128,3.58,0.45,-1.01,-0.35
2CXC,GLU_139,3.86,0.35,-0.84,-0.15
1ZBP,LYS_82,10.16,-0.61,0,0.28
4D8L,ASP_256,3.97,0,0,0.17
1YB2,ARG_123,12.69,-0.58,0,0.77
3PAC,GLU_156,4.63,0.17,0,-0.04
4H89,ARG_100,12.37,-0.21,0,0.09
2H85,HIS_337,6.82,-0.38,0.4,0.31
1YB2,GLU_125,4.53,0.12,0,-0.1
4GA2,GLU_81,3.89,0.42,-0.68,-0.34
3L3P,ARG_323,13.32,-1.09,1.47,0.43
3O16,LYS_102,10.42,-0.08,0,0
3H6Q,GLU_85,4.68,0.18,0,0
2HRZ,GLU_51,4.57,0.11,0,-0.04
2P5D,TYR_60,10.56,0,0,0.56
3BWT,ASP_602,3.94,0,-0.14,0.28
2Q34,GLU_173,4.61,0.19,0,-0.07
2Z0M,ASP_207,1.22,-2.19,-1.65,1.26
3HVW,ARG_179,13.08,-0.25,0,0.83
2VGM,LYS_297,10.05,-0.69,0,0.25
3L7N,ASP_135,3.34,-0.38,-0.38,0.3
3DHN,LYS_101,10.58,-0.12,0,0.19
1ZBS,GLU_174,4.63,0.48,-0.25,-0.1
3HXK,ARG_85,13.58,-0.71,1.07,0.73
1GXN,GLU_529,3.26,1.04,-1.66,-0.62
2EA9,ARG_78,12.5,-0.09,0,0.09
1PVT,GLU_137,4.98,0.34,0,0.14
2C2Y,ASP_238,3.96,0,-0.04,0.21
3M7G,LYS_50,4.83,0.32,0,0.01
4FLE,HIS_180,6.44,-0.25,0,0.18
1XEU,HIS_106,6.1,-0.27,0,-0.13
2G70,LYS_83,10.36,-0.16,0,0.02
3PAC,GLU_18,4.13,0.26,-0.28,-0.34
3PU6,ASP_15,3.59,-1.46,0,1.24
2QV2,ARG_274,11.97,-0.4,0,-0.13
3JSN,GLU_264,4.77,0.16,0,0.1
1GPP,LYS_26,10.53,-0.3,0,0.33
3ANJ,TYR_347,12.97,0.75,0.3,1.92
2XJ4,ARG_5,13.06,-0.63,0.72,0.47
4DIU,CYS_45,12.83,0.0,14,3.7
1WXQ,LYS_74,11.22,-0.34,0.65,0.41
1XFK,ARG_213,11.56,-0.91,0,-0.02
1O0X,ASP_44,2.94,-1.26,-0.3,0.7
3PP8,GLU_284,4.66,0.24,0,-0.08
1NAF,GLU_251,4.79,0.31,0,-0.02
3H5T,ARG_201,12.23,-0.72,0,0.45
2G3A,ARG_73,12.13,-0.37,0,0
3TMO,HIS_330,6.61,-1.25,0.79,0.57
3U2A,GLU_54,4.58,0.4,0,-0.33
2G2D,ASP_181,3.58,-0.86,-0.47,1.1
2NRK,TYR_77,13.17,0.73,0.18,2.27
3GEC,ARG_317,12.66,-0.53,0.22,0.47
3U2R,CYS_123,10.55,0,0.14,1.41
2B6P,ARG_113,12.26,-0.63,0.02,0.37
2Q13,HIS_45,6.47,-0.37,0,0.34
1J8B,LYS_91,10.63,-0.17,0,0.29
1HF8,LYS_112,10.94,-0.21,0.65,0
2RGY,GLU_162,4.69,0.24,0,-0.03
3E5T,ASP_165,3.85,0,-0.3,0.36
1EQ6,TYR_39,13.73,0.0,62,3.11
3C2E,GLU_215,3.78,0.57,-1.27,-0.02
2OKT,TYR_273,11.79,0,0.07,1.71
1WNH,LYS_55,10.29,-0.29,0,0.07
2AD1,ARG_188,12.06,-0.52,0,0.08
3EX9,GLU_12,4.94,0.14,0,0.3
2CXA,ARG_84,12.35,-0.15,0,0
2WZ9,GLU_24,3.57,0.37,-0.92,-0.38
2WOZ,ASP_398,4.26,0.0,0.08,0.38
3RJZ,LYS_198,10.37,-0.45,0,0.33
1WXQ,TYR_43,10.72,0,0.21,0.52
3H04,GLU_247,4.78,0.57,0,-0.27
1D2K,ARG_407,12.12,-1.29,0,0.92
3ZRI,LYS_12,10.23,-0.27,0,0
3M3P,ARG_76,12.23,-0.33,0,0.06
1SQH,ARG_258,11.79,-0.39,0,-0.32
1LZL,HIS_86,4.01,-3.28,0.79,0
1X6J,TYR_32,12.23,0.0,24,1.98
3UPD,LYS_42,10.4,-0.18,0,0.08
3P2F,GLU_150,3.1,1.12,-1.65,-0.87
3HXK,CYS_73,9.52,0,-0.03,0.55
3R87,HIS_24,6.17,-0.38,0,0.05
3U2R,ARG_98,12.33,-0.17,0,0
1OIS,ARG_349,12.21,-0.37,0,0.08
1ANU,LYS_73,10.38,-0.16,0,0.05
3PM2,GLU_48,4.56,0.06,0,0
2GKG,ASP_73,3.27,-0.41,-0.28,0.17
1RAJ,ASP_319,2.83,-0.7,-0.57,0.3
3ELI,ASP_46,3.51,-1.57,-0.3,1.58
2Q98,ARG_176,11.86,-0.84,0,0.2
2B3M,ARG_135,12.42,-0.28,0,0.19
2CXC,GLU_44,4.37,0.22,-0.1,-0.25
2AH5,LYS_31,10.65,-0.11,0,0.26
1W7B,ASP_209,3.56,-0.36,-0.32,0.44
1ILW,LYS_143,11.46,-0.38,0.81,0.52
2XHC,ARG_222,12.41,-1.06,0.13,0.83
1TJE,ARG_207,12.07,-0.82,0,0.38
1V43,ASP_316,3.76,0,-0.36,0.33
3M70,LYS_102,12.87,-0.81,1.7,1.49
4F8A,CYS_667,9.71,-0.85,0.1,1.46
3COU,LYS_131,11.25,-0.25,0.46,0.54
2IRM,HIS_206,3.43,-2.62,0,-0.43
2E35,LYS_425,10.5,-0.18,0,0.18
3QAV,GLU_48,4.49,0.31,-0.06,-0.26
4DBX,ARG_296,12.55,-0.4,0,0.45
1X1E,ARG_83,11.68,-0.98,0,0.16
3BPP,LYS_21,11.29,-0.45,0.85,0.39
2B3M,GLU_43,4.96,0.3,0,0.16
1UJ8,CYS_48,10.44,-0.01,0.15,1.3
3EVZ,TYR_203,9.87,-0.96,-1.47,2.29
3L7N,LYS_85,10.13,-0.55,0,0.18
4H86,HIS_111,6.72,-0.66,0.83,0.05
3RKV,GLU_228,4.9,0.29,0,0.11
1UAJ,TYR_115,11.15,0.0,11,1.04
2O8P,GLU_86,4.24,0.24,-0.49,0
1AK1,LYS_4,10.44,-0.15,0,0.08
3JZ9,GLU_392,4.74,0.27,0,-0.03
2JEO,ARG_99,13.66,-0.18,0.95,0.39
1LFP,CYS_129,10.03,-0.21,0.26,0.98
1KCM,CYS_188,10.75,0,-0.24,2
1R5S,ASP_20,3.04,-1.4,-0.17,0.82
3GV0,GLU_285,4.6,0.41,-0.35,0.05
3IVF,TYR_127,10.44,0,0.01,0.43
3V3T,ASP_172,3.6,-0.17,-0.37,0.35
1YR6,ASP_232,4.39,0,-0.02,0.61
3V55,ARG_671,13.4,-2.22,1.68,1.45
2H01,LYS_59,10.55,-0.26,0.0,3
3RHE,HIS_83,5.9,-0.71,0,0.11
2H14,LYS_109,10.38,-0.19,0,0.07
3CAN,TYR_177,11.58,0.85,0.26,0.46
3ETV,ASP_186,3.88,-0.28,-0.01,0.36
3A0X,ASP_632,2.91,-0.8,-0.38,0.29
2CBE,ASP_187,4.83,0.1,0,0.22
2B3M,GLU_14,4.64,0.14,0,0
3HQX,ASP_101,4.41,0,0,0.6
2QZQ,CYS_49,10.9,-0.02,-0.24,2.17
2EFK,ARG_122,12.43,-0.23,0,0.15
1NFB,ARG_103,13.52,-0.58,0.67,0.93
2EJ8,CYS_97,9.98,-0.09,-0.09,1.16
2RIS,GLU_9,3.85,0.2,-0.85,0
2IXM,ASP_176,3.95,-1.6,0.25,1.49
1AM2,ARG_107,12.12,-0.54,0,0.16
2VC8,LYS_63,10.56,-0.14,0,0.2
1YOY,LYS_63,11.66,-0.37,0.85,0.68
3FK5,CYS_185,11.16,-1.57,0.11,3.62
1NWA,ARG_165,12.46,-0.04,0,0
2DFL,ARG_154,12.61,-0.34,0,0.45
1L2F,GLU_28,4.83,1.41,-0.79,-0.29
3A7L,LYS_64,10.36,-0.2,0,0.06
1T6L,LYS_97,10.29,-0.11,0,-0.1
2INO,ARG_60,11.98,-0.42,0,-0.1
3F6F,ASP_152,3.78,0,-0.25,0.23
3M7G,GLU_17,4.59,0.3,0,-0.21
3KEY,LYS_389,11.55,-0.3,0.7,0.65
2QK1,TYR_498,11.03,0.34,0.01,0.68
1Q46,GLU_41,3.71,1.19,-1.68,-0.29
1C3K,LYS_36,9.78,-0.41,0,-0.31
2P52,GLU_168,3.75,0.53,-0.65,-0.64
2EFK,GLU_149,4.68,0.18,0,0
1WYC,ASP_193,1.89,-2.25,-0.77,1.1
2PLQ,HIS_110,5.9,-0.77,0.42,-0.26
1TXJ,LYS_37,10.66,-0.93,0.85,0.24
1Q46,GLU_14,4.77,0.19,0,0.08
2P4D,ASP_90,3.03,-0.72,-0.38,0.34
3JRT,CYS_53,10.74,-0.03,0.03,1.75
4DEZ,ASP_79,4.04,-0.02,-0.09,0.35
1TR9,GLU_277,4.56,0.11,0,-0.04
3M70,ARG_201,12.5,-0.35,0,0.35
3OIP,CYS_128,12.95,0.0,0.08,3.87
1UCH,TYR_181,10.6,-0.86,0.2,1.25
2H2W,TYR_262,12.52,-0.67,0.18,3.01
3AU3,GLU_411,4.09,0.32,-0.43,-0.3
3RLN,ARG_699,12.72,-0.45,0.03,0.64
3O7K,ARG_159,12.1,-0.51,0,0.11
1R5Q,GLU_34,4.74,0.25,0,-0.01
2NYC,ARG_303,13.63,-0.28,0.77,0.65
3PP8,ARG_112,12.42,-0.2,0,0.12
3IUS,LYS_135,10.42,-0.23,0,0.14
3GS9,ARG_87,13.12,-0.27,0.52,0.38
2EJB,ASP_164,2.89,-1.3,-0.01,0.4
1QQE,CYS_40,11.43,-0.15,-0.13,2.72
1O9G,CYS_18,10.5,-0.01,-0.01,1.53
1C44,LYS_18,10.85,-0.13,0,0.48
1NAR,LYS_67,10.06,-1,0,0.56
2C13,LYS_143,10.13,-0.15,0,-0.22
1NAR,ASP_240,3.98,0,-0.04,0.21
3RNV,LYS_442,10.21,-0.38,0,0.09
2D8N,HIS_91,5.25,-1.19,0,-0.07
3OA7,GLU_537,4.36,0.18,0,-0.32
2QZQ,TYR_111,12.69,-0.56,0.12,0.63
1ZBS,TYR_175,11.73,0.25,0.39,1.09
3NZL,LYS_40,10.43,-0.07,0,0.01
2E3L,LYS_70,9.84,-0.56,0,-0.1
3CS1,LYS_28,10.54,-0.16,0,0.19
1NAR,ASP_274,2.44,-1.41,-0.58,0.63
2C2Y,ARG_172,12.34,-0.16,0,0
2EFK,GLU_147,4.15,0.3,-0.02,-0.63
2FZ4,LYS_172,10.36,-0.5,0,0.36
1R15,LYS_200,10.42,-0.08,0,0
2CW4,LYS_21,10.69,-0.33,0,0.53
1WYC,TYR_242,10.76,-0.16,0.13,0.78
2XJ4,ARG_221,12.69,-0.56,0.12,0.63
3CE7,GLU_78,4.13,0.27,-0.79,0.15
2WZ9,GLU_51,4.72,0.15,0,0.07
1T07,LYS_26,10.65,-0.13,0,0.28
1WNH,LYS_51,11.53,-0.47,0.85,0.64
3JZ9,GLU_374,3.78,0.36,-0.7,-0.39
1S17,ARG_298,12.35,-3.23,1.5,1.57
2QV2,GLU_247,4.08,0.5,-0.81,-0.1
3GS9,GLU_28,4.51,1.83,-1.67,-0.15
3HKX,ARG_175,11.6,-0.86,0,-0.05
2WZ9,ASP_130,3.84,0,0,0.04
3P51,ASP_17,12.23,-0.59,0,0.32
4DEZ,ASP_234,4.17,0,-0.17,0.53
3LJC,ASP_47,3.61,0,-0.36,0.18
1JT9,GLU_217,2.53,0.75,-2.51,-0.2
1PVT,LYS_184,9.98,-0.52,0,0
3US6,GLU_20,4.14,0.32,-0.33,-0.35
1MJS,GLU_301,3.47,0.82,-1.47,-0.39
2O4D,GLU_110,4.7,0.2,0,0
2F8H,ASP_254,3.39,-0.89,0.15,0.33
3ADO,LYS_313,9.96,-0.58,0,0.04
2GAU,ARG_224,13.34,-0.38,0.79,0.42
2FC3,LYS_119,11.27,-0.48,0.85,0.39
2V4X,ASP_106,3.99,0,0,0.19
2Q98,ARG_164,12.39,-0.44,0,0.33
2Z14,ASP_47,2.22,-1.79,-0.44,0.66
3BCY,LYS_23,10.56,-0.32,0,0.38
1ZCE,TYR_4,10.31,-1.03,0.25,1.09
3RFY,CYS_256,10.6,-0.17,0.2,1.58
3CX5,GLU_62,4.59,0.09,0,0
4ECC,ARG_35,12.5,-0.34,0.02,0.31
2WOZ,LYS_482,10.29,-0.46,0,0.25
1SNT,ARG_140,11.74,-0.8,0,0.03
3KB5,ARG_412,13.87,-0.72,1.03,1.06
2J8A,LYS_349,11.55,-0.36,0.85,0.56
3CIV,ASP_129,3.37,-0.81,-0.35,0.72
1YOY,LYS_110,5.3,-0.08,0,0.11
2X4L,TYR_85,13.57,-0.78,1.06,3.29
1Z9L,LYS_87,9.88,-0.45,0,-0.18
1WXQ,HIS_359,6.58,-0.23,0.04,0.27
3F6F,ARG_182,11.99,-0.59,0,0.08

1P6F,GLU_98,4.97,0.75,0,-0.27
1YB2,GLU_12,4.63,0.69,0,-0.55
2B3M,TYR_143,10.52,0,0.02,0.5
3ZRI,LYS_131,10.38,-0.12,0,0
3V55,GLU_500,4.63,0.48,0,-0.35
1WRU,LYS_81,10.1,-0.34,0,-0.06
3L3P,ASP_470,3.92,0,-0.01,0.13
4FCU,ARG_221,12.48,-0.2,0,0.18
3EJG,ASP_20,4.33,0,0.23,0.3
2D59,GLU_61,4.73,0.17,0,0.05
2FZ4,GLU_151,4.77,0.12,0,0.16
1SUU,LYS_534,10.38,-0.27,0,0.16
1WXQ,TYR_62,12.47,0,0.24,2.23
1LTU,ARG_177,11.25,-1.22,0,-0.03
2QDJ,CYS_61,11.74,-0.02,0.09,2.68
1EYH,ASP_45,3.56,-0.46,-0.44,0.66
3GV0,GLU_266,4.08,0,-0.85,-0.47
2FG1,LYS_115,10.42,-0.08,0,0
2P65,GLU_175,3.92,0.42,-0.82,-0.17
1AD6,ASP_479,3.73,-0.6,-0.13,0.66
2CN1,LYS_190,10.71,-0.16,0,0.37
1R3D,LYS_195,10.05,-0.06,0,0.01
2B6P,CYS_14,9.39,-0.45,-0.06,0.49
1YOY,GLU_150,4.46,0.18,0,-0.22
2XMZ,ARG_127,12.58,-1.71,0.69,1.1
3AZZ,GLU_51,4.08,0.6,-0.77,-0.26
3ANJ,ASP_87,2.3,-1.67,-0.42,0.59
1NJ4,GLU_264,4.21,0.79,-0.62,-0.46
2OJQ,ARG_489,13.62,-1.01,1.17,0.97
3DHN,ASP_69,2.47,-1.49,-0.29,0.44
1DZF,TYR_211,10.94,0.11,0.83
1GPP,GLU_160,4.72,1.15,-0.79,-0.13
2H2W,LYS_270,10.6,-0.16,0,0.25
3OBS,ASP_19,3.74,0,-0.29,0.23
3JZ9,HIS_488,6.06,-0.82,0.34,0.04
2F9F,CYS_160,12.16,0,0.12,3.04
3UOV,LYS_115,10.72,-0.93,0.52,0.63
1R3D,ASP_154,3.21,-0.59,-0.36,0.36
1SFE,GLU_175,4.67,0.28,-0.01,-0.1
4F8A,HIS_610,7.2,-0.33,0.77,0.26
3O48,GLU_121,4.3,0.45,-0.4,-0.26
1BKB,ARG_31,12.48,-0.5,0,0.48
1ZYL,TYR_277,11.53,0,0.05,1.48
3MIX,ASP_342,3.33,-0.42,-0.61,0.57
3P51,LYS_35,10.25,-0.32,0,0.07
3Q1C,GLU_125,4.78,0.14,0,0.14
3A0X,ASP_641,3.92,0,-0.28,0.4
1DZF,ASP_48,1.34,-2.76,-0.38,0.68
3ERF,LYS_214,10.03,-0.28,0,-0.19
1P4X,LYS_215,10.6,-0.15,0,0.25
3LPZ,LYS_262,10.31,-0.19,0,0
3CQ1,ASP_26,3.28,-2.23,-0.11,1.81
1C44,LYS_19,11.34,-0.79,0.97,0.66
2D7J,ASP_110,3.68,-0.37,-0.34,0.59
2CXK,GLU_10,4.33,0.36,-0.6,0.07
3LJC,GLU_115,4.45,0.35,0,-0.4
1P2F,TYR_56,10.47,0,0.25,0.21
2QRX,LYS_127,10.44,-0.19,0,0.13
2QK0,LYS_96,10.33,-0.13,0,-0.05
1RKA,ASP_83,2.61,-1.62,-0.29,0.72
3P28,ASP_142,3.91,0,0,0.11
4ACJ,GLU_648,4.52,0.22,0,-0.19
4FD6,ARG_162,12.09,-0.51,0,0.1
3EJC,ASP_41,3.88,0,0,0.08
3BJV,GLU_146,3.83,0.32,-0.55,-0.44
3UAH,LYS_167,10.56,-0.1,0,0.16
2IN0,GLU_427,3.58,0.29,-0.74,-0.47
1Z3X,HIS_230,5.43,-1.72,0.63,0.02
3NR5,TYR_119,10.45,-0.56,-0.36,1.36
2QDJ,ASP_68,3.71,-0.01,-0.28,0.2
3G9T,LYS_250,10.76,-0.65,0.51,0.4
3B4D,TYR_175,9.87,-0.34,-0.42,0.63
1Z3X,TYR_38,10.75,-0.04,0.08,0.71
1AK0,GLU_86,4.73,0.78,-0.1,-0.44
3KB5,GLU_290,4.64,0.11,0,0.03
2XWS,CYS_104,10.55,-0.01,0.05,1.51
3I47,GLU_79,4.33,0.23,-0.4,0
3KV0,ASP_175,3.67,-0.37,0,0.24
3DZ1,LYS_280,10.41,-0.09,0,0
3KEY,LYS_453,10.12,-0.32,0,-0.05
3UAH,ASP_283,3.92,0,-0.17,0.29
1OIS,ARG_360,12.27,-0.28,0,0.06
2FL7,ARG_210,12.47,-0.38,0,0.35
1D2K,HIS_200,6.69,-0.52,0.39,0.32
2O0K,TYR_119,12.22,0.66,0.74,0.82
3V55,ASP_403,4.31,0,-0.54,1.06
3HYQ,ARG_85,13.44,-0.3,0.82,0.42
1YOY,HIS_42,6.65,-2.23,0.85,1.54
1UOH,CYS_180,11.61,-0.04,0.2,6.65
3L7N,GLU_181,5.57,4.6,-1.51,-2.03
3LD1,LYS_55,10.31,-0.16,0,0.03
1YTD,ARG_380,11.56,-1.78,0,0.83
2FM9,CYS_225,10.44,0,0.12,1.31
3FKS,TYR_144,10.51,0,-0.15,0.65
4DND,GLU_62,4.98,0.32,0,0.16
2EDM,GLU_200,4.58,0.08,0,0
1DOV,ASP_102,3.66,-0.1,-0.3,0.26
2PWQ,LYS_138,10.38,-0.1,0,-0.02
2Q98,GLU_140,3.52,0.44,-0.77,-0.66
3K9I,TYR_147,10.07,0,0,0.07
1XIP,LYS_179,10.29,-0.21,0,0
3GV0,HIS_202,5.04,-1.54,0,0.07
3DHN,GLU_87,4.5,0,0,0
1L2F,LYS_263,10.34,-0.16,0,-0.01
3FWU,TYR_23,12.52,-0.85,0.19,3.18
2EJB,LYS_3,10.29,-0.21,0,-5.20E-18
3FHF,ARG_170,12.47,-0.24,0,0.2
2YT4,GLU_593,5.06,0.41,-0.18,0.32
3UOV,ASP_79,2.39,-2.23,-0.57,1.4
3AU3,LYS_398,10.4,-0.05,0,-0.05
2XMZ,GLU_264,5.23,0.62,0,0.12
1Y0K,ARG_149,13.1,-0.28,0.28,0.61
2APL,HIS_129,6.49,-0.22,0,0.22
3C2E,LYS_89,10.54,-0.37,0,0.41
3C5V,TYR_143,11.89,0,-0.21,2.1
2JHY,GLU_95,3.75,0.32,-0.85,-0.22
2B0A,CYS_84,11.41,-0.01,-0.06,2.48
3ZXY,ARG_94,13.03,-0.18,0.38,0.32
1J33,GLU_153,3.49,0.48,-1.17,-0.32
2EFK,GLU_236,4.84,0.34,0,-0.01
3IOC,HIS_148,4.93,-1.63,0,0.07
3N2T,ARG_117,13.17,-0.34,0.49,0.52
3CIV,LYS_139,11.25,-0.25,0.62,0.39
1NJ4,GLU_185,4.31,1.65,-1.17,-0.68
1X7F,GLU_90,4.5,0.16,0,-0.16
3LJI,GLU_57,4.86,1.44,-0.85,-0.22
3C2E,GLU_218,4.71,0.19,-0.03,0.04
3FRF,LYS_90,10.39,-0.11,0,0
1O5J,HIS_-1,6.6,-0.42,0.5,0.03
35MD,TYR_44,10.11,0,0,0.11
1NWA,ASP_82,4.08,0,-0.21,0.49
3IOC,GLU_303,6.04,3.08,-1.69,0.17
2B0A,TYR_69,10.44,0,0.07,0.37
2G5X,LYS_132,10.39,-0.22,0.11
2ZCO,GLU_65,3.9,0.26,-0.84,-0.01
3T5B,LYS_395,10.64,-0.27,0,0.41
2W0G,HIS_161,5.96,-0.55,0,0.01
1W7B,TYR_333,10.24,-0.09,0,0.33
3ONT,ASP_51,3.92,-0.05,0.04,0.13
3Q9P,TYR_142,10.44,-0.1,-0.38,0.92
3B21,LYS_165,10.29,-0.51,0,0.31
2POY,ASP_243,3.6,-0.88,-0.34,1.02
2QO7,HIS_494,5.42,-1.28,0.02,0.19
3HKX,ARG_158,11.74,-0.86,0,0.1
1L2H,LYS_63,11.5,-0.3,0.6,0.7
3M9A,ASP_21,4.1,-0.18,0.08,0.39
2RJD,TYR_266,10.9,-0.72,0,1.63
2XJ4,ARG_99,13.21,-0.29,0.67,0.34
1YLN,LYS_53,10.25,-0.25,0,0
2G9D,ARG_149,11.56,-1.33,0,0.39
3VJ8,TYR_346,10.17,0,-0.1,0.27
1WXF,ASP_28,3.41,-0.35,-0.44,0.39
3ELI,GLU_34,3.46,0.52,-0.96,-0.61
1UAJ,ASP_50,3.89,-0.33,-0.08,0.49
2A6B,ASP_124,2.94,-0.85,-0.38,0.38
1OIS,ARG_260,12.57,-0.13,0,0.19
3LH5,ARG_639,12.25,-0.3,0,0.05
4DNU,ASP_65,3.37,-0.84,-0.09,0.5
2YWX,LYS_51,10.32,-0.12,0,-0.06
3ASA,HIS_6.6,15,-0.35,0,0
4G42,CYS_50,10.09,0,-0.09,1.18
3GG6,GLU_134,4.73,0.28,0,-0.05
3FTT,TYR_110,10.63,0,0.08,0.56
3HYQ,TYR_139,10.34,0,0.05,0.29
2AZP,CYS_65,11.4,-0.08,-0.33,2.82
2CL3,GLU_115,2.56,0.71,-2.15,-0.49
4EUG,LYS_42,10.99,-0.42,0.84,0.06
3TIR,TYR_66,11.04,0,-0.14,1.18
1L3K,HIS_173,5.79,-0.52,0,-0.19
3CCY,GLU_118,4.53,0.36,0,-0.33
2YX0,GLU_255,3.8,0.47,-0.67,-0.5
3Q2C,LYS_56,10.51,-0.16,0,0.17
4FH3,LYS_77,10.32,-0.28,0,0.1
4AF2,ASP_142,3,-0.85,-0.71,0.76
1RZ2,LYS_153,10.15,-0.35,0,0
2HZZ,GLU_47,4.66,0.08,0,0.08
3HKX,ARG_87,13.1,-0.73,0.72,0.61
3A4C,ASP_530,4.09,0,0.29
3RE9,HIS_106,6,-0.37,0,-0.13
2IXM,CYS_299,12.24,-0.94,0.54,3.64
2Q12,LYS_192,10.5,-0.27,0,0.26
2PP6,ASP_13,3.31,-0.48,-0.46,0.45
3COU,TYR_28,10.85,0,-0.11,0.96
1KCM,GLU_106,4.43,0.19,0,-0.27
4HDE,ASP_36,2.79,-0.85,-0.38,0.22
2B02,HIS_378,6.37,-0.21,0,0.09
4EKU,GLU_244,4.86,0.85,-0.1,-0.4
2Q5X,GLU_742,4.0,3,-0.79,0
2EJX,ASP_89,2.17,-1.7,-0.42,0.49
1FHL,TYR_238,11.89,-0.02,0.22,1.69
2P65,LYS_170,10.32,-0.44,0,0.26
3TIR,LYS_173,10.02,-0.26,0,-0.22
2NRR,GLU_440,4.75,0.27,0,-0.02
3V46,TYR_326,12.33,-0.83,0.06,3.1
3JRT,ASP_140,4.37,0,-0.02,0.6
1GSZ,ASP_70,4.26,-0.02,-0.42,0.89
1RWZ,ASP_170,4.08,-0.09,0,0.37
2CBE,LYS_154,9.91,-0.68,0,0.08
1LN4,LYS_12,10.33,-0.17,0,0
2JKF,TYR_144,10.72,-0.84,-0.13,1.69
2Z0M,LYS_313,10.47,-0.19,0,0.16
1X04,ASP_85,3.48,-0.52,0,0.19
3COU,HIS_24,4.24,-2.36,0.27,-0.17
3L3P,ARG_516,12.32,-0.28,0,0.11
3GFP,ASP_302,4.08,0,0.05,0.23
2EA9,GLU_51,4.06,0.47,-0.88,-0.04
3DZ1,HIS_246,5.14,-1.59,0,0.22
2CXA,ARG_122,12.06,-0.61,0,0.17
1PZC,GLU_19,4.19,0.48,-0.69,-0.09
2WB3,ASP_363,3.23,-0.85,-0.04,0.32
1UOH,HIS_111,4.76,-2.3,0.69,-0.14
2W2S,ASP_80,12.15,-1.27,-1.09,0.89
3IOC,ARG_110,12.15,-0.3,0,-0.05
3GV0,GLU_77,4.54,0.46,-0.43,0.02
2H14,GLU_80,4.67,0.31,0,-0.14
1UW7,TYR_87,10.35,0,-0.12,0.47
3GE9,ASP_237,3.06,-0.88,-0.24,0.38
2BLL,ARG_400,12.86,-0.24,0.32,0.28
2BV9,HIS_257,4.44,-2.66,0.84,-0.24
4D8L,ARG_52,12.44,-0.44,0,0.37
1UAJ,LYS_47,10.43,-0.14,0,0.07
3GYW,TYR_191,10.36,0,0.03,0.33
4DIU,GLU_66,4.61,0.11,0,0
1TD6,HIS_18,5.34,-1.54,0.7,-0.33
1HF8,GLU_133,5.54,1.2,0,-0.16
2F4Q,GLU_11,5.38,0.79,0,0.09
3LPZ,LYS_40,10.36,-0.09,0,-0.05
1GPP,GLU_137,3.9,0.24,-0.8,-0.05
3UPD,HIS_-19,6.14,-1.38,0.85,0.17
1Y7F,ARG_304,12.57,-0.87,0.53,0.42
3CQ1,ASP_58,4.07,-0.71,0.04,0.94
3FS3,LYS_137,10.5,-0.06,0,0.06
2OEW,LYS_229,10.3,-0.51,0,0.31
3HUE,GLU_245,4.49,0.31,0,-0.31
2IRM,GLU_305,4.65,0.35,0,-0.21
1LZL,TYR_226,13.62,0.85,0.68,2.1
1DZF,TYR_28,11.24,-0.43,-0.39,2.06
3A0X,LYS_671,11.49,-0.28,0.8,0.47
3GYW,LYS_44,10.39,-0.11,0,0
3LQE,TYR_295,11.86,-0.15,0.15,1.86
3U2R,HIS_137,6.34,-0.26,0,0.11
1WLY,LYS_108,9.28,-1.49,0,0.27
3F7M,ARG_301,12.46,-0.07,0,0.03
1ZCU,ARG_179,12.47,-0.2,0,0.17
3V46,ARG_286,12.72,-0.12,0,0.33
2C13,GLU_136,4.31,1.53,-1.61,-0.1
3GS9,TYR_249,11.06,-0.78,-0.24,2.07
3CXZ,ASP_248,3.02,-1.31,-0.3,0.82
3M3P,GLU_15,6.04,2.02,0,-0.49
2EJX,LYS_88,11.33,-0.56,0.85,0.54
2FZ4,ASP_81,3.77,0,-0.42,0.39
1SQW,TYR_134,12.05,0,0.17,1.88
3V3T,TYR_116,10.32,0,-0.04,0.35
3CXZ,ASP_248,3.02,-1.31,-0.3,0.82
2YWJ,TYR_159,11.15,0,-0.03,1.18
1SUU,LYS_515,10.46,-0.25,0,0.21
1C44,GLU_47,4.03,0.34,-0.44,-0.37
2ZCX,HIS_56,6.4,-0.1,0,0
2YX0,GLU_34,4.85,1.73,-0.79,-0.59
2EFK,ARG_47,13.22,-0.50,0.73,0.49
1WXQ,ASP_229,2.84,-0.74,-0.51,0.29
1WNH,HIS_53,5.85,-0.86,0.02,0.18
1NWA,HIS_141,5.44,-1.5,0,0.44
1S17,GLU_270,4.98,0.36,0,0.12
1P6F,TYR_100,10.17,0,0.01,0.15
2GS5,GLU_30,4.78,0.08,0,0.19
3M7D,ARG_205,13.14,-0.55,0.68,0.52
1H4U,GLU_398,4.81,0.27,0,0.05
1GQE,ARG_245,12.15,-0.3,0,-0.05
2ZQ5,GLU_274,4.56,0.26,0,-0.2
2BLL,TYR_419,11.15,-0.02,-0.04,1.21
2CYG,ARG_299,12.35,-1.05,0.5,0.4
2A1V,LYS_87,10.06,-0.43,0,-0.02
1KCM,GLU_130,4.62,0.12,0,0
3JZN,CYS_361,11.18,0,-0.74,2.91
2Z14,LYS_13,10.77,-0.18,0,0.44

2QOP,CYS_148,11.17,0.0,1.2,0.7
 3LOD,GLU_74,5.06,1.96,-0.74,-0.66
 1NIJ,ASP_92,3.82,0,-0.55,0.57
 3CX5,GLU_174,4.55,0.05,0,0
 3IV4,HIS_93,7.5,-0.4,0.85,0.55
 1XEU,GLU_262,4.07,0.42,-0.85,0
 3BZT,ASP_328,3.99,0,0,0.19
 3JRT,HIS_82,6.05,-0.44,0,-0.01
 3TIR,GLU_41,3.91,0.54,-0.8,-0.33
 1YM5,LYS_151,10.25,-0.25,0,0
 1G8P,ARG_246,11.9,-1.0,0.04,0.36
 2WZ9,GLU_15,4.39,0.97,-0.81,-0.27
 1A8Q,ASP_197,2.23,-1.69,-0.8,0.92
 1NAF,ARG_265,12.36,-0.23,0,0.09
 3OA7,GLU_6,4.57,0.07,0,0
 1XAW,LYS_506,10.66,-0.44,0,0.6
 1JSX,HIS_32,6.14,-0.2,0,-0.16
 2XHC,LYS_201,10.51,-0.19,0,0.2
 2BT8,ARG_205,13.41,-0.31,0.76,0.45
 1O6D,LYS_31,10.27,-0.32,0,0.08
 3F5D,CYS_190,9.63,-0.01,0,0.64
 3LH5,GLU_802,4.51,0.33,0,-0.33
 2RS1,TYR_37,11.5,0.08,0.54,0.88
 1R3F,GLU_169,3.12,0.71,-1.45,-0.64
 3GOZ,GLU_271,3.84,0.28,-0.78,-0.16
 2EFK,LYS_104,10.48,-0.09,0,0.07
 3N2T,ASP_251,4.35,0,-0.15,0.71
 1GSZ,GLU_118,4.76,0.25,0,0.01
 1GPP,GLU_19,3.1,0.71,-1.86,-0.26
 1H09,TYR_314,10.4,0,0.01,0.39
 3PP8,ARG_113,13.76,-1.01,0.81,1.45
 3N2T,ARG_285,12.43,-0.22,0,0.15
 2DFL,ASP_185,3.9,-0.19,0.04,0.25
 1UXO,LYS_3,10.22,-0.31,0,0.03
 3IBT,ARG_35,13.04,-1.11,0.51,1.15
 2ATR,TYR_19,13.18,0.49,0.29,2.41
 2JKF,LYS_148,10.74,-0.24,0,0.47
 2GSX,TYR_176,10.6,0,0.18,0.42
 3EVN,ASP_57,3.85,-0.14,-0.16,0.35
 3PU6,GLU_141,4.48,0.39,-0.11,-0.29
 2D7U,CYS_103,13.14,-0.18,0.33,3.99
 1DTO,GLU_100,4.66,0.16,0,0
 3LOD,ASP_38,3.85,0,-0.2,0.25
 1SFE,ASP_44,3.5,-0.59,-0.21,0.5
 1IAP,GLU_187,4.31,0.31,0,-0.51
 3H5T,ARG_43,12.41,-0.14,0,0.05
 3D9H,LYS_197,10.49,-0.42,0,0.41
 3M66,ASP_148,2.72,-1.07,-0.16,0.15
 3RFY,HIS_281,6.67,-0.25,0.15,0.27
 3I0C,TYR_264,13.93,0,1.08,2.84
 2J8A,LYS_274,10.33,-0.17,0,0
 3CS1,LYS_158,10.34,-0.21,0,0.05
 1NJ4,TYR_136,10.86,0.03,0.83
 2P65,GLU_6,4.5,0,0,0
 1DVO,GLU_152,3.26,0.58,-1.73,-0.1
 2X4G,ARG_334,12.43,-0.32,0,0.24
 2IF4,GLU_91,4.58,0.19,0,-0.12
 1Q8B,ASP_27,2.92,-1.15,-0.15,0.42
 3ODJ,GLU_44,4.72,0.07,0,0.15
 1KCM,ARG_227,11.52,-1.77,0.03,0.77
 4ANN,ASP_78,3.13,-0.79,-0.03,0.15
 1P6F,GLU_42,3.94,0.34,-0.84,-0.06
 2EYI,GLU_56,3.92,0.34,-0.66,-0.27
 3E0H,GLU_110,5.02,0.25,0,0.26
 1YTQ,TYR_153,9.93,-0.78,-0.36,1.08
 1TR9,GLU_231,4.77,0.28,0,0
 1U7U,ARG_281,12.19,-0.48,0,0.17
 2D7U,ARG_303,12.64,-0.09,0,0.24
 2JEO,LYS_203,10.89,-0.43,0.36,0.47
 1RAJ,GLU_428,4.61,0.3,0,-0.21
 1P6F,ASP_126,3.58,-0.48,-0.01,0.26
 3P28,ASP_107,2.75,-1.02,-0.59,0.55
 4E65,GLU_55,2.24,0.98,-2.43,-0.8
 1R16,HIS_163,6.78,-0.35,0,0.63
 1YTQ,GLU_112,3.94,0.38,-0.81,-0.13
 3E7P,TYR_248,13.48,0,0.42,3.07
 1XWM,TYR_189,10.27,0,-0.39,0.66
 2YT4,LYS_561,10.28,-0.22,0,0
 1IAP,HIS_65,5.82,-1.58,0.85,0.06
 3I0O,ASP_149,2.68,-1.29,-0.51,0.69
 3DB9,ASP_116,4.06,0.13,0,0.13
 3TMO,TYR_301,10.61,0,0.05,0.56
 2FGG,GLU_19,5.46,0.29,0.19,0.47
 3OA7,LYS_456,10.45,-0.05,0,0
 3BWT,TYR_856,11.09,-0.34,0.24,1.19
 3B4D,ARG_240,12.32,-0.37,0,0.19
 1SUU,LYS_644,10.4,-0.1,0,0
 3GG6,ASP_136,1.95,-1.96,-0.41,0.52
 3FWU,LYS_86,10.49,-0.25,0,0.24
 3UC9,GLU_122,4.44,0.12,0,-0.19
 1WYC,TYR_170,12.08,0.37,0.26,1.46
 3B7H,GLU_75,4.64,0.14,0,0
 1AKO,ARG_89,12.39,-0.57,0,0.45
 1XAW,CYS_500,9.9,0,-0.11,1.01
 3GA2,ARG_214,11.46,-1.13,0,0.09
 1V43,TYR_280,11.64,0.65,0.51,0.48
 2D7U,ARG_256,12.19,-0.22,0,-0.09
 2RGY,CYS_258,9.42,-0.11,-0.15,0.68
 2QDJ,LYS_289,10.63,-0.21,0,0.35
 1FKM,LYS_459,10.59,-0.16,0,0.25
 1TWU,LYS_3,10.85,-0.59,0.31,0.63
 1ZP2,GLU_122,4.48,1.16,-0.68,-0.48
 3RVC,ASP_125,3.92,0,-0.13,0.24
 1ZBM,HIS_7,3.55,-2.95,0,0
 3CIV,GLU_110,4.48,0.11,0,-0.13
 3LJI,ARG_179,12.23,-0.63,0,0.36
 2Z84,GLU_163,3.65,0.72,-1.44,-0.13
 3MEW,GLU_225,4.37,0.4,-0.77,0.24
 3LOD,GLU_112,5.35,1.38,-0.7,0.17
 3F6M,GLU_120,4.6,0.21,0,-0.12
 3GG6,ARG_170,13.63,-1.08,1.57,0.64
 3CSR,TYR_8,10.54,0,0,0.54
 2Q99,ASP_83,3.82,0,-0.61,0.64
 2QK1,ASP_401,2.54,-1.16,-0.96,0.87
 3HUE,ASP_32,1.92,-2.06,-0.39,0.57
 1VJG,ASP_155,3.99,0.03,0.17
 2OSA,ASP_358,3.97,0,0,0.17
 2D7U,ARG_67,12.77,-1.06,0.61
 1YG2,TYR_19,10,0,0,0
 2RIK,HIS_207,6.98,-0.68,0.85,0.31
 4EKU,GLU_126,3.6,0.45,-0.65,-0.71
 2YT4,LYS_650,10.33,-0.2,0,0.03
 3TMO,HIS_201,6.01,-0.25,0,-0.24
 1MML,LYS_75,10.66,-0.41,0.03,0.55
 3UX2,LYS_36,11.08,-0.44,0.27,0.74
 3OOP,ASP_70,3.72,-0.13,-0.3,0.35
 2IQT,GLU_223,2.76,0.38,-1.62,-0.5
 1ZYL,ARG_273,13.02,-1.77,0.62,1.67
 3RUX,GLU_334,3.64,1.19,-1.82,-0.23
 1YW5,HIS_171,2.23,-3.05,0,-1.21
 1RKA,GLU_71,4.52,0.15,0,-0.13
 1YTD,LYS_360,11.31,-0.44,0.28,0.97
 3CZC,ASP_65,3.92,0,-0.05,0.17
 1LTU,GLU_68,4.64,0.13,0,0.01
 3BQE,ASP_339,3.67,-0.53,-0.13,0.52
 2GZR,GLU_173,4.69,2.42,-1.29,-0.93
 2QDJ,ASP_139,3.76,0,-0.18,0.14
 1ZBS,ARG_188,12.39,-0.24,0,0.12
 2AH5,GLU_121,4.58,0.12,0,-0.05
 2NRK,GLU_29,4.14,0.16,-0.39,-0.13
 4EZB,ARG_27,12.4,-0.1,0,0
 3BPV,ARG_86,12.4,-0.16,0,0.06
 3GS3,GLU_149,4.89,0.19,0,0.2
 3FS3,TYR_151,10.22,-0.61,-0.07,0.9
 2G55,ARG_55,12.52,-0.34,0,0.35
 2X5Y,LYS_726,10.41,-0.26,0,0.17
 3HKX,HIS_279,5.92,-0.38,0,-0.2
 2RIK,ARG_192,12.42,-0.24,0,0.16
 1IAP,ARG_227,12.27,-0.32,0,0.08
 2RIS,GLU_30,4.64,0.11,0,0.03
 3CO1,ASP_88,3.31,-1.03,-0.03,0.56
 1BN6,HIS_95,3.1,-3.16,0,-0.24
 3M3P,HIS_158,6.42,-0.59,0,0.51
 3LJI,HIS_19,6.31,-0.15,0,-0.04
 3Q1C,GLU_305,4.33,0.13,0,-0.3
 3PP8,GLU_176,3.92,0.28,-0.52,-0.34
 3M66,LYS_412,10.64,-0.14,0,0.28
 1X91,LYS_19,10.4,-0.1,0,0
 2JHY,LYS_138,10.08,-0.68,0,0.26
 2Z84,GLU_83,3.63,0.47,-1.27,-0.08
 4H89,ARG_104,12.21,-0.34,0,0.05
 3FS3,ASP_189,4.06,-0.05,0,0.31
 2FXT,TYR_325,12.49,-0.01,0.46,2.04
 3P29,HIS_278,0.87,-4.11,0,-1.52
 3RXX,ARG_211,13.16,-0.23,0.24,0.65
 2NRK,HIS_101,5.52,-2.67,0.84,0.85
 1NAF,GLU_199,4.55,0.25,0,-0.2
 3M7D,GLU_255,3.51,0.69,-0.85,-0.83
 2GSX,ASP_90,3.25,-1.99,0.05,1.4
 1GSZ,LYS_79,10.34,-0.29,0,0.12
 3GYW,ASP_55,3.76,0,-0.39,0.35
 3MTT,GLU_459,4.65,0.2,0,-0.04
 3ANJ,ASP_297,3.52,-0.84,-0.1,0.66
 4H89,ASP_41,3.02,-0.85,-0.28,0.35
 2D59,GLU_95,3.67,0.3,-0.72,-0.41
 1NAR,ASP_118,2.51,-1.1,-0.75,0.56
 1PDB,ASP_95,2.86,-1.17,-0.33,0.58
 3FHF,TYR_140,11.9,0.49,1.42
 2XMZ,GLU_12,4.45,0.1,0,-0.15
 1YG2,CYS_103,9.69,0,-0.02,0.71
 1UCH,ARG_136,12.53,-0.08,0,0.11
 4DVD,ARG_179,12.26,-0.24,0,0
 2B2B,TYR_180,10.55,0.28,0.27
 2Q99,ARG_192,12.39,-0.08,0,-0.02
 1TR9,LYS_54,10.26,-0.21,0,-0.03
 1PDB,GLU_180,3.87,1.57,-1.46,-0.73
 1AM2,ASP_154,3.97,0,-0.01,0.18
 2CL3,TYR_160,10.3,0,0,0.3
 1XIP,GLU_125,4.62,0.13,0,-0.01
 2E3S,GLU_372,4.59,0.35,0,-0.25
 1OLR,GLU_53,4.76,0.27,0,-0.01
 2OJQ,ARG_448,12.5,-0.19,0,0.19
 2R0S,LYS_189,11.39,-0.39,0.85,0.43
 2HRZ,LYS_274,11.16,-0.24,0.46,0.44
 1H4U,GLU_587,4.08,0.79,-1.2,0
 3IRA,GLU_28,4.42,0.1,0,-0.18
 1PVT,ASP_74,3.53,-0.52,-0.23,0.47
 2G2D,ASP_105,4.04,0,0,0.24
 2F9F,ASP_97,3.17,-1.04,-0.52,0.94
 3O48,ASP_122,4.03,0,-0.13,0.35
 2QOPLY,ASP_189,10.69,-0.1,0,0.29
 1O5J,GLU_12,4.04,0.32,-0.79,0.01
 1ZBS,TYR_139,10.71,0,0,0.71
 3KB5,GLU_312,3.45,0.91,-1.52,-0.44
 1XTZ,GLU_19,2.37,0.34,-1.72,-0.74
 3L3P,LYS_389,10.68,-0.25,0,0.43
 3G9G,GLU_132,4.77,0.44,-0.07,-0.11
 2VGM,GLU_79,4.13,0.31,-0.54,-0.15
 2R4Q,LYS_244,9.84,-0.79,0,0.14
 1NIJ,HIS_29,5.96,-1.19,0.67,-0.03
 3P2F,ASP_192,3.73,-0.42,-0.04,0.39
 3EAZ,ARG_107,11.87,-0.94,0,0.31
 3M70,LYS_250,10.81,-0.15,0,0.47
 2V1L,ARG_46,12.45,-0.38,0,0.34
 3BA1,LYS_289,12.54,-0.37,1.55,0.85
 2EHG,ARG_30,12.52,-0.26,0.05,0.24
 2EFK,GLU_39,3.02,1.42,-1.96,-0.94
 3A7L,ASP_43,4.12,0,0,0.32
 2FZ4,GLU_91,4.59,0.15,0,-0.06
 2P1W,TYR_209,11.3,0,0.21,1.1
 1O0X,TYR_189,10.35,0,-0.09,0.44
 1VJG,ARG_138,12.3,-0.21,0,-2.78E-17
 4D8L,LYS_139,10.64,-0.13,0,0.27
 1HUFG,GLU_71,4.4,0.27,-0.15,-0.23
 2CXA,ASP_62,2.61,-1.23,-0.64,0.69
 1IAP,TYR_225,12.66,0.44,2.22
 1J74,ARG_61,12.62,-0.63,0.17,0.58
 2DVK,ASP_126,2.99,-0.8,-0.45,0.44
 1E5S,ARG_114,13.55,-0.5,0.58,0.97
 1H09,LYS_220,10.81,-0.77,0.85,0.23
 2GEN,GLU_22,3.46,0.26,-0.64,-0.66
 3LE4,ASP_344,3.86,0,-0.07,0.13
 2O8P,GLU_51,3.74,0.22,-0.85,-0.14
 2I6I,LYS_83,10.34,-0.15,0,-0.01
 1IDK,ARG_41,13.63,-0.48,0.63,0.98
 1YB2,ASP_19,3.6,-0.53,-0.03,0.37
 1XKR,TYR_184,11.18,0,0.35,0.83
 3IVF,LYS_357,10.65,-0.16,0,0.31
 2FG1,GLU_2,4.56,0.11,0,-0.05
 2G2D,CYS_104,11.11,-0.02,0.4,1.72
 3U4K,LYS_53,10.28,-0.22,0,0
 2G70,ASP_125,3.34,-0.58,0,0.12
 2CXA,ARG_215,12.15,-0.35,0,0
 2Q13,GLU_245,4.63,0.13,0,0
 3BQE,GLU_334,3.21,1.24,-2.25,-0.28
 3A0X,ARG_650,12.51,-0.31,0,0.32
 2OKT,GLU_81,4.15,0.18,-0.16,-0.38
 2IXM,ASP_85,3.27,-1.02,-0.55,1.06
 2D7U,LYS_50,10.81,-0.49,0.38,0.43
 2V1L,GLU_53,4.57,0.07,0,0
 2ZTY,ARG_134,13.43,-0.78,0.6,1.1
 1GPP,LYS_72,10.4,-0.16,0,0.07
 3LD1,LYS_85,10.41,-0.17,0,0.09
 3CS1,GLU_188,4.18,0.83,-0.59,-0.57
 2OBI,LYS_80,10.44,-0.06,0,0
 1YLN,GLU_101,4.66,0.27,0,-0.11
 3GV0,GLU_161,4.4,0.25,-0.45,0.1
 2FPN,ARG_48,12.44,-0.1,0,0.03
 3UPD,HIS_322,4.52,-2.49,0.85,-0.33
 1TXJ,LYS_151,10.43,-0.28,0,0.22
 1YTQ,ARG_80,13.13,-0.25,0.36,0.52
 1Z3X,GLU_43,4.11,0.62,-0.59,-0.42
 1OXZ,LYS_176,10.28,-0.22,0,0
 1XFK,HIS_82,6.13,-0.28,0,-0.09
 2YWK,CYS_42,9.65,-0.14,0.02,0.78
 1P4X,ASP_179,4.02,0,-0.18,0.4
 1NRI,LYS_161,10.85,-0.35,0.42,0.28
 1X8F,GLU_39,4.46,0.37,-0.32,-0.1
 2YWK,TYR_27,10.2,0,-0.07,0.27
 1OGL,LYS_247,10.44,-0.1,0,0.03
 2X4L,GLU_247,5.38,1.46,-0.84,0.25
 2GEN,GLU_114,4.59,0.1,0,-0.02
 4DBX,LYS_166,10.34,-0.09,0,-0.07
 3ZXY,ASP_91,3.05,-2.05,0.02,1.29
 3BZT,LYS_273,10.58,-0.13,0,0.21
 3KV0,ASP_25,4.08,0,0,0.28

1TP6,ARG_6,12.57,-0.36,0,0.43
2OKT,ARG_178,13.08,-0.25,0.34,0.49
3JV1,ASP_49,3.35,-0.69,0,0.23
1XDZ,ASP_126,3.08,-1.51,-0.49,1.28
3GE9,HIS_203,6.24,-0.26,0,-0.01
2F4Q,LYS_302,11.32,-0.34,0.59,0.58
1AKO,ARG_90,11.97,-2.65,0.21,1.91
1YOY,GLU_165,4.79,0.29,0,0
1UAJ,ARG_219,11.81,-0.28,0,-0.41
1YLN,GLU_37,4.65,0.21,0,-0.06
3R87,CYS_112,11.31,0.0,0.03,2.28
3QAV,GLU_141,4.74,1.85,-1.52,-0.08
2CN1,GLU_242,3.39,0.26,-0.83,-0.54
1NKD,GLU_35,4.66,0.11,0,0.04
3P51,HIS_96,5.83,-1.15,0.54,-0.07
4EUG,TYR_38,10.58,0,0,0.58
3T5B,ARG_68,12.75,-1.19,0.26,3.57
2OPJ,TYR_251,11.03,0,0.14,0.9
1RLO,ARG_68,12.61,-0.93,0.52,0.52
2B2H,LYS_270,10.55,-0.07,0,0.12
1NIJ,HIS_23,6.82,-0.35,0,0.67
2EHG,LYS_139,10.68,-0.12,0,0
4FZR,GLU_11,4.69,0.4,-0.14,-0.07
2YWX,GLU_121,4.92,0.63,0,-0.2
3NOK,GLU_95,4.56,0.08,0,-0.02
3F6F,LYS_130,10.61,-0.23,0,0.34
2DOA,LYS_140,11.72,-0.31,0.76,0.76
1X6J,LYS_63,10.84,-0.19,0.24,0.28
2IF4,ARG_270,12.33,-1.19,0.26,0.76
2XHC,LYS_330,10.88,-0.4,0.5,0.27
1H4U,ARG_393,12.61,-0.22,0,0.33
1RLO,ASP_241,3.87,0,-0.26,0.33
2XJ4,GLU_103,3.37,0.37,-0.9,-0.6
1WLY,ARG_237,12.33,-0.09,0,-0.07
1ZBM,GLU_89,4.36,0.28,-0.1,-0.33
2HO1,TYR_30,11.23,0.1,0.11,1.02
1IAP,GLU_202,4.89,0.22,0,0.16
1TP6,HIS_13,5.23,-2.92,0,1.65
2D8N,LYS_11,10.43,-0.27,0,0.21
3G9G,ASP_10,4.06,0,-0.08,0.34
1TXJ,TYR_149,13.63,0.81,0.6,2.23
2EHG,LYS_74,10.74,-0.32,0.01,0.54
3BA1,CYS_168,10.66,-0.46,0.07,2.05
1X1E,GLU_37,4.86,0.39,-0.01,-0.01
1VJG,ASP_199,3.75,-0.34,0,0.29
4FD6,LYS_129,10.13,-0.45,0,0.08
2POY,ASP_287,3.37,-0.49,-0.41,0.47
2IF4,LYS_242,10.28,-0.23,0,0.01
3NJM,TYR_26,11.97,-0.48,0.04,2.41
1XKR,GLU_178,4.84,0.14,0,0.2
2BCF,TYR_268,12.63,-0.26,-0.03,2.92
3JRT,ASP_136,3.39,-0.57,-0.08,0.25
3DB9,CYS_233,9.92,-0.36,-0.31,1.6
2I88,LYS_453,10.78,-0.21,0.16,0.34
1VSM,LYS_178,10.41,-0.06,0,-0.04
1XDZ,LYS_185,10.29,-0.24,0,0.03
3EVP,GLU_300,4.94,0.32,0,0.13
2W1R,LYS_91,10.54,-0.04,0,0.08
3EGN,ASP_435,3.34,-0.85,-0.34,0.73
2B6P,ARG_33,11.8,-0.7,0,0
1BGF,ASP_24,3.94,0,-0.07,0.21
2Q99,TYR_292,13.43,0.02,1.16,2.25
2BLL,HIS_592,6.29,-0.33,0.15,-0.04
3V75,HIS_27,5.68,-1.05,0.02,0.22
3LJC,LYS_56,10.5,-0.36,0,0.37
1EV8,GLU_237,4.5,0,0,0
2AD1,LYS_267,10.59,-0.14,0,0.23
3AUF,ARG_195,12.25,-0.31,0,0.05
2IRM,ASP_298,3.6,-0.41,0,0.21
1NIJ,ASP_75,4.13,0,-0.05,0.38
4E8B,LYS_98,11.3,-0.33,0.75,0.39
2CVB,HIS_32,6.26,-0.25,0.02,-0.01
3GEC,LYS_437,10.71,-0.27,0,0.48
1RWZ,ARG_190,13.18,-0.61,0.44,0.85
1XDZ,ARG_127,12.55,-0.37,0,0.42
3T5B,HIS_208,5.26,-1.24,0,0
3LJN,ARG_314,12.57,-0.21,0,0.28
2Q34,GLU_92,4.59,0.11,0,-0.02
2RJD,TYR_309,10.6,0.11,0.49
2ILR,ASP_354,3.28,-0.45,-0.42,0.35
1PSW,GLU_179,4.6,0.12,0,-0.02
1J8B,GLU_70,3.99,0.32,-0.82,0
4DBX,GLU_148,5.12,0.24,0,0.37
1O59,ARG_337,10.21,-2.41,0,0.11
2EA9,ASP_39,3.77,-0.09,-0.36,0.41
3RKV,TYR_246,11.19,0.0,0.17,1.03
3RFY,LYS_170,10.46,-0.18,0,0.14
1X1E,GLU_66,4.49,0.23,0,-0.23
1XKR,ASP_159,4.13,0.0,0.02,0.31
2ZCX,ARG_89,13.28,-0.25,0.76,0.26
2RIS,GLU_40,4.99,1.26,-0.75,-0.02
3M70,GLU_256,4.05,0.33,-0.8,0.03
2FBQ,CYS_65,11.56,0.05,2.51
1OGL,CYS_230,11.22,0.15,2.07
2Z84,HIS_16,4.75,-1.91,0,0.16
2QHT,GLU_2,4.4,0.25,-0.07,-0.27
3C2E,CYS_197,9.44,-0.2,-0.23,0.87
3IVF,LYS_234,11.02,-0.41,0.39,0.54
2CN1,LYS_105,10.46,-0.29,0,0.26
2EHG,TYR_99,10.46,0,-0.02,0.48
1WPA,TYR_443,10.16,-0.01,-0.2,0.38
1DTO,HIS_161,6.89,-0.61,0.45,0.55
2AHE,HIS_74,6.25,-0.23,0.16,-0.19
2PWQ,TYR_63,9.92,0,-0.26,0.17
1LTU,ASP_213,3.82,0,-0.3,0.33
1WYC,ARG_189,12.25,-0.56,0,0.32
1RHS,TYR_47,11.36,-0.51,0.04,1.83
2O4D,HIS_114,6.54,-0.5,0.36,0.18
3M3P,ASP_132,3.8,-0.23,0.01,0.22
1FQL,LYS_411,10.22,-0.31,0,0.02
2CIU,ARG_154,12.51,-0.26,0,0.27
2B0A,CYS_128,11.16,-0.16,0.06,2.27
2XWS,ASP_51,4.35,-0.7,0.21,1.05
4F3J,ARG_114,12.4,-0.05,0,-0.05
4AM1,TYR_323,10.22,0,-0.18,0.4
3B7H,ARG_54,12.28,-0.23,0,0.01
3P28,GLU_198,4.72,0.22,0,-0.01
4DVD,ARG_156,12.28,-0.34,0,0.11
3JZN,LYS_211,10.66,-0.18,0,0.34
2R51,ARG_24,12.11,-0.4,0,0.02
2B0A,GLU_152,4.25,0.5,-0.76,0.01
3H5T,GLU_214,4.4,0.17,0,-0.27
4EF5,LYS_224,9.99,-0.48,0,-0.03
3JSN,LYS_53,11.13,-0.72,0.79,0.57
1Y2Q,GLU_134,4.68,0.18,0,0
1P1L,GLU_14,3.49,1.05,-1.59,-0.47
3UXZ,GLU_150,4.67,0.17,0,0
2Q07,ARG_279,11.84,-0.36,0,-0.3
2AXO,GLU_40,3.65,0.22,-0.7,-0.37
1OTM,LYS_58,11.34,-0.43,0.85,0.41
2YXO,CYS_45,11.21,-0.26,-0.1,2.57
3G9B,TYR_37,10.56,0.03,0.54
2BLL,ASP_441,2.83,-1.36,0.01,0.38
2RIS,LYS_128,7.27,-0.49,0.85,0.41
1UAJ,ARG_234,12.48,-0.14,0,0.12
2PLQ,ARG_282,12.23,-0.41,0,0.14
3BPV,ASP_60,2.41,-1.83,0,0.44
1Q46,GLU_92,4.29,0.14,-0.47,0.11
2Q98,HIS_27,6.28,-0.3,0,0.08
2RGY,ARG_354,13.17,-0.8,0.69,0.77
3P28,ASP_54,2.89,-0.68,-0.52,0.29
1SJJ,CYS_67,9.38,-0.13,-0.27,0.79
2OBJ,GLU_91,4.93,0.19,0,0.24
2YXO,LYS_49,10.18,-0.2,0,-0.11
3M7D,ARG_14,12.66,-0.09,0.03,0.22
3KT9,LYS_48,10.03,-0.27,0,-0.19
1PSW,GLU_50,5.18,1.6,-0.72,-0.2
4FZR,ARG_361,12.3,-0.21,0,0.01
3TMO,TYR_335,10.25,0.0,0.08,0.17
4ETX,ARG_336,14,-0.29,1.35,0.43
2F9F,GLU_25,4.36,0.59,-0.82,0.09
2R51,TYR_271,10.64,-0.03,-0.35,1.03
1T95,GLU_132,4.77,0.27,0,0.01
2QZQ,GLU_79,4.39,0.37,0,-0.48
3RKY,ASP_180,11.91,-0.63,0,0.05
1YOY,LYS_21,10.41,-0.09,0,0
3K1H,LYS_56,10.21,-0.23,0,-0.06
2DOA,LYS_301,10.88,-0.19,0.23,0.34
3NJM,ASP_52,2.97,-2.3,0,1.48
2G5X,LYS_79,10.52,-0.04,0.06
2R1K,ARG_114,13.52,-0.35,0.85,0.53
2PLQ,CYS_139,10.12,-0.03,0.21,0.94
2B61,ASP_78,4.31,0.0,0.24,0.28
3U56,ASP_24,4.04,-0.85,-0.15,1.23
4DBX,LYS_159,10.4,-0.09,0,-0.01
3BJV,GLU_140,3.94,0.39,-0.82,-0.14
2C13,ARG_18,12.03,-1.54,0,1.07
1SJ8,LYS_685,9.94,-0.43,0,-0.12
3PM2,LYS_105,10.54,-0.08,0,0.13
2CXC,GLU_98,4.52,0.29,0,-0.27
1RWZ,ARG_73,12.85,-0.16,0,0.51
3GEC,LYS_387,10.37,-0.11,0,-0.01
3CBN,TYR_161,10.56,0.11,0.45
3CBN,ASP_110,3.02,-1.09,-0.12,0.43
1SUU,ARG_724,12.28,-1.25,0.28,0.75
2D59,HIS_137,4.8,-1.29,0,-0.42
1T95,LYS_60,10.74,-0.08,0,0.32
1T95,LYS_175,10.54,-0.21,0,0.25
1FKM,HIS_468,6.37,-0.51,0.03,0.34
1X7F,GLU_107,4.17,2.17,-2.6,0.09
3AU3,TYR_493,10.99,-0.84,0.44,1.4
1WLY,ARG_207,11.96,-0.83,0,0.28
3MIX,HIS_472,5.5,-0.86,0,-0.13
2H2W,GLU_111,5.77,1.96,-0.38,-0.3
2BDD,GLU_116,4.47,0.93,-0.85,-0.11
1NJ4,HIS_320,6.84,-0.4,0.53,0.21
1U7U,GLU_395,5.15,1.07,-0.01,-0.4
3CSV,ARG_113,13.79,-1.77,1.58,1.45
3CIV,ARG_208,12.92,-0.18,0,1.051
2D8N,CYS_29,9.76,-0.04,0.12,0.67
1J7M,LYS_22,10.42,-0.09,0,0.01
1H09,ARG_213,13.44,-0.66,1.12,0.48
3ZTA,GLU_59,4.73,0.68,-0.51,0.08
1O17,ASP_79,4.25,0.15,0.3
2Z14,ASP_28,3.98,0,0.18
2X4L,GLU_272,3.76,1.35,-1.66,-0.42
2XWS,GLU_77,4.74,0.32,0,-0.07
3AUF,GLU_173,3.89,0.45,-0.71,-0.35
3EAZ,ARG_166,12.31,-0.23,0,0.04
1BKJ,LYS_100,12.38,-0.64,1.7,0.82
3ULX,HIS_21,6.33,-0.18,0,0
2FZ4,GLU_159,4.73,0.28,0,-0.05
3ASA,ARG_385,12.29,-0.34,0,0.13
3AU3,ARG_564,13.44,-0.36,0.57,0.73
1RZ2,ASP_176,3.88,-0.62,-0.18,0.87
3OKQ,ARG_595,12.46,-0.04,0,0
2ZQ5,ASP_204,3.03,-1.52,-0.02,0.78
2WZ9,LYS_29,10.24,-0.26,0,0
2CXC,CYS_29,12.76,0.0,0.24,3.53
3TRE,LYS_42,10.62,-0.17,0,0.29
3CXS,LYS_79,10.22,-0.31,0,0.03
3VHJ,LYS_160,9.9,-0.23,0,-0.37
2EJX,ARG_131,13.87,-0.41,1.25,0.52
1V43,GLU_184,5.36,1.3,0,-0.45
1I60,LYS_77,10.77,-0.1,0,0.37
2XHC,LYS_158,9.7,-0.73,0,-0.06
2HRZ,GLU_96,4.02,0.36,-0.84,0
2P1W,ARG_45,12.28,-0.25,0,0.03
1DCF,HIS_73,5.91,-0.97,0.51,-0.12
4E65,ARG_68,12.52,-0.24,0,0.26
1O17,GLU_110,3.79,0.36,-0.8,-0.26
3BQW,LYS_221,11.09,-0.18,0.45,0.33
3GS9,ASP_85,4.19,0.11,0.28
1ZHV,LYS_103,3.97,-0.83,-0.05,1.05
3AUF,ARG_38,12.44,-0.29,0.23
2OBI,ASP_112,3.99,0.04,0.15
3LE4,ASP_305,3.83,-0.08,-0.01,0.12
1H4U,HIS_575,5.46,-0.73,0,-0.31
3GYW,ASP_80,2.97,-0.56,-0.68,0.41
2FB6,GLU_65,3.37,0.58,0.29
2FXT,LYS_315,10.63,-0.73,0.08,0.78
2NRR,TYR_494,9.73,-0.23,-0.4,0.36
4DVD,LYS_136,10.37,-0.13,0,0
2D25,CYS_694,12.09,-0.07,0.13,3.03
3FFM,ASP_53,3.38,-0.84,0,0.42
1YTQ,ASP_125,2.3,-1.56,-0.49,0.54
3EZ7,HIS_33,6.42,-0.27,0.13,0.05
1DOV,ARG_165,13.21,-0.5,0.67,0.54
3R2E,TYR_53,10.31,0.0,0.05,0.26
2E0T,ARG_85,13.5,-0.28,0.84,0.44
3A2Z,TYR_26,10.73,0,-0.09,0.81
3ZTA,LYS_85,11.26,-0.37,0.32,0.8
3M70,TYR_257,12.52,0.39,0.52,1.62
1V43,ASP_257,3.61,-0.32,-0.03,0.16
3ASA,ASP_94,3.2,-0.83,-0.32,0.55
3U2R,GLU_33,4.36,0.2,0,-0.34
2YXO,TYR_315,10.54,0,-0.09,0.63
2P0L,GLU_34,4.14,1.63,-0.62,-1.36
3M7G,ARG_205,12.75,-0.27,0.08,0.44
3M66,ASP_183,3.26,-0.93,-0.03,0.41
3CQ1,GLU_84,4.59,0.09,0,0
1J7G,ASP_43,3.25,-0.85,-0.24,0.55
3M7D,ASP_49,2.92,-1.68,0,0.81
1L3K,TYR_128,12.89,0.77,0.57,1.54
1V43,LYS_339,10.65,-0.45,0,0.6
2ZCO,ARG_84,13.28,-0.38,0.78,0.38
1RKA,GLU_105,4.9,0.15,0,0.25
1OLR,TYR_9,10.67,0.0,0.02,0.65
2JEO,ASP_234,4.25,0.23,0.22
4F85,GLU_283,4.67,0.31,0,-0.14
3BQW,ARG_135,11.73,-1.02,0,0.25
3UPD,ARG_108,10.61,-1.91,0,0.02
4EF5,ARG_169,12.4,-0.25,0.16
2CE6,ASP_11,2.3,-1.57,-0.38,0.45
2BDD,HIS_23,6.96,-0.34,0.5,0.3
2D7J,TYR_12,10.19,-0.75,-0.08,1.02
3IPZ,LYS_83,10.8,-0.32,0.22,0.4
3UC9,TYR_160,10.13,0.0,0.09,0.04
1LPL,ASP_185,2.99,-1.59,-0.49,1.27
3EVZ,LYS_220,10.4,-0.15,0,0.06
3TIR,ARG_32,12.16,-0.41,0,-0.02
3QKY,TYR_237,11.08,0.18,0.24,0.94
2AZL,GLU_158,4.12,0.72,-0.85,-0.25
1SQH,ARG_87,13.21,-0.76,1.01,0.47
3O48,LYS_11,11.18,-0.14,0.38,0.44
2G9D,HIS_289,6.32,-0.24,0.07,0

1RI6,HIS_299,6.03,-0.54,0,0.07
1R3D,ASP_263,4.1,0.0,21,0.09
2CIU,ASP_199,3.85,-0.1,-0.27,0.42
1Q5Z,GLU_637,4.61,0.11,0.0
1Z3X,GLU_72,4.5,0.38,-0.39,0
1JB3,CYS_37,11.41,-0.23,0.04,2.59
1AKO,CYS_240,9.54,0,0.04,0.49
3LPZ,LYS_108,10.32,-0.21,0,0.03
1AIL,ASP_12,3.57,-0.65,-0.35,0.77
3LJI,GLU_34,4.54,0.27,0,-0.23
1YR6,GLU_107,4.73,0.23,0,0
1QQE,GLU_52,4.8,0.5,0,-0.21
1W7B,LYS_281,10.48,-0.02,0,0
3RJZ,LYS_26,10.62,-0.2,0,0.32
1P4X,ARG_107,12.61,-0.96,0.42,0.64
1P4X,GLU_36,4.02,1.41,-1.4,-0.49
2CN1,GLU_256,3.9,0.4,-0.48,-0.51
2QV2,ARG_260,12.61,-0.16,0,0.27
2CN1,GLU_195,4.39,0.21,0,-0.32
3C5V,LYS_328,10.47,-0.06,0,0.04
2QV2,ASP_82,3.89,0,-0.17,0.27
3HXK,ARG_274,12.05,-0.49,0,0.04
3ERF,ARG_32,13.54,-3.03,0.66,3.41
2W0G,GLU_153,4.78,0.26,0,0.02
3G59,ASP_297,4.26,0,0.01,0.45
3MTT,ARG_520,12.62,-0.14,0,0.27
3LJI,LYS_206,10.19,-0.4,0,0.08
2GEN,GLU_117,4.09,0.16,-0.54,-0.03
1TJE,LYS_33,10.16,-0.13,0,-0.21
1PVT,GLU_34,4.98,0.23,0.23,0.01
2OKT,GLU_334,3.61,0.5,-0.85,-0.54
1RAJ,GLU_72,4.34,0.17,-0.06,-0.26
1WPA,LYS_433,10.6,-0.18,0,0.28
2YWJ,GLU_13,4.17,0.28,-0.68,0.07
3BPV,ARG_69,12.42,-0.14,0,0.07
3M7G,HIS_56,4.12,-2.16,0.28,-0.49
3BQE,GLU_239,4.5,0.36,-0.57,0.21
2YWX,LYS_153,11.56,-0.34,1.41,0
3ERF,LYS_224,10.19,-0.29,0,-0.01
1Q46,LYS_162,11.05,-0.2,0.31,0.44
1JB3,TYR_35,10.78,-1.1,0.4,1.47
2OEW,CYS_122,11.76,-0.89,-0.82,4.47
1DCF,GLU_134,4.59,0.09,0,0
1NAR,LYS_214,10.44,-0.15,0,0.09
3L7N,GLU_194,4.72,1.08,-0.74,-0.12
3CIV,GLU_272,3.41,0.49,-1.26,-0.32
1XKR,GLU_13,4.87,0.29,0,0.08
2V81,LYS_6,10.51,-0.07,0,0.08
2EEY,LYS_133,10.63,-0.17,0,0.3
3M3P,GLU_186,4.6,0.27,0,-0.17
3H5T,HIS_352,6.9,-0.57,0.67,0.3
1D2K,LYS_247,10.47,-0.07,0,0.04
4ANN,LYS_102,10.67,-0.46,0.2,0.43
1WXQ,LYS_293,9.26,-1.3,0,0.06
1JYH,GLU_57,4.78,0.18,0,0.1
3M70,ARG_77,12.63,-0.53,0.15,0.5
2RGY,ARG_165,12.49,-0.14,0,0.13
2C13,CYS_83,11.68,-0.02,0.46,2.24
3HZQ,GLU_94,4.54,0.04,0,0
100X,LYS_141,10.52,-0.12,0,0.14
3ETU,ASP_157,4.13,-0.2,-0.14,0.67
1ZP2,GLU_69,4.0,0.27,-0.38,-0.4
2OEW,GLU_197,5.32,3.7,-0.85,-2.03
2Q12,TYR_161,10.24,0.01,0,0.07
3HOX,GLU_107,4.56,0.32,0,-0.25
1WP5,LYS_133,10.42,-0.08,0,0
2R57,TYR_180,13.72,1.27,1.27,1.18
2R4Q,GLU_194,4.71,0.13,0,0.08
1UCH,ASP_204,3.37,-1.4,-0.04,1.02
2WB3,ASP_287,3.44,-0.69,0,0.33
3R87,LYS_85,11.3,-0.43,0.85,0.38
2X4G,GLU_167,4.96,0.5,0,-0.03
2I6I,ARG_102,13.82,-1.95,1.48,1.8
1W7B,TYR_199,10.37,0,-0.01,0.38
3LPZ,TYR_38,10.1,0,-0.39,0.48
3ERF,HIS_133,6.04,-1.79,0.85,0.47
2F4Q,LYS_272,10.51,-0.14,0,0.15
2AZL,HIS_74,2.13,-2.26,0,-2.11
1Q8B,GLU_34,3.31,0.48,-1.28,-0.39
4ANN,GLU_62,5.8,0.6,0.29,0.42
2QVO,CYS_62,10.16,-0.15,-0.21,1.52
1UW7,ARG_74,12.48,-0.19,0,0.16
2EEY,CYS_132,10.83,0,0.02,1.81
3EAZ,GLU_174,4.58,0.12,0,-0.04
3G59,TYR_266,11.46,0,0.84,0.62
3F53,HIS_168,7.16,-0.5,0.85,0.31
2B02,GLU_370,3.89,0.2,-0.81,0
3ETV,ASP_162,3.98,0,0.18
1RWZ,ASP_93,1.59,-2.48,-0.16,0.43
1YM5,GLU_106,3.92,1.26,-1.65,-0.19
3F53,LYS_194,10.38,-0.29,0,0.17
1X7F,GLU_2,4.49,0.31,0,-0.32
2IDC,HIS_134,8,-0.4,0.85,1.05
3M70,TYR_174,10.95,-0.84,0.08,1.71
1JKS,GLU_114,4.71,0.17,0,0.04
1N81,ASP_181,3.98,0,-0.42,0.6
1DZF,GLU_137,4.68,2.39,-1.41,-0.81
3MIX,GLU_499,4.52,0.19,0,-0.18
2EFK,LYS_33,10.68,-0.38,0,0.55
2O8P,GLU_162,4.6,0.25,0,-0.16
3GW3,GLU_271,4.46,0.64,-0.67,0
1W7B,LYS_88,10.42,-0.23,0,0.14
2X4L,LYS_129,10.22,-0.28,0,0
1SUU,LYS_729,10.44,-0.31,0,0.25
2PGX,CYS_4,9.86,-0.03,0.02,0.86
2BQQ,ARG_89,12.52,-0.07,0,0.09
1SBX,GLU_102,3.76,0.28,-0.71,-0.31
1MHN,CYS_123,10.67,-0.06,0.08,1.65
1EDG,LYS_313,8.85,-1.65,0,0
1J7G,ASP_60,3.97,0,0.03,0.14
3GG6,ARG_174,12.42,-0.17,0,0.09
2BV9,TYR_171,13.65,0.8,0.51,2.35
1J7G,TYR_106,11.94,-0.43,0.34,2.02
2HRZ,TYR_126,13.54,0,0.07,3.46
3IL3,LYS_235,10.64,-0.06,0,0.2
3VHU,LYS_157,10.35,-0.12,0,-0.03
1R9W,LYS_277,10.34,-0.25,0,0.09
1RIG,ARG_61,13.19,-0.78,0.72,0.75
2AXO,ASP_164,3.58,-0.49,-0.09,0.36
3UX2,GLU_71,3.96,0.37,-0.82,-0.1
1GPP,ASP_439,3.99,0.03,0,0.16
3P51,LYS_3,10.4,-0.14,0,0.04
3M3P,LYS_4,10.35,-0.32,0,0.16
1X1E,GLU_221,3.05,0.71,-1.73,-0.43
3B7H,ARG_25,12.28,-0.22,0,0
1R5Q,ASP_75,3.25,-0.66,-0.52,0.63
3RLN,GLU_749,4.27,1.38,-0.75,-0.87
1EYH,GLU_98,4.71,0.25,0,-0.03
1KN3,LYS_78,10.44,-0.06,0,0
2DG7,ASP_179,2.96,-0.85,-0.3,0.31
3CAN,GLU_16,4.49,0.26,0,-0.27
1SUU,GLU_764,4.06,0.45,-0.61,-0.27
2C2Y,ARG_51,12.22,-0.21,0,-0.07
2B0J,LYS_185,11.29,-0.19,0.6,0.38
3O16,LYS_38,10.41,-0.09,0,0
3G6S,ARG_29,11.64,-0.88,0,0.02
2E3S,ARG_478,11.79,-0.75,0,0.04
3G9B,GLU_113,4.31,0.2,-0.2,-0.19
1SI7,HIS_43,5.51,-1.17,0.43,-0.26
2HNG,ARG_9,11.53,-1.08,0,0.12
2EYI,ASP_223,3.34,-0.77,-0.31,0.61
1P4X,GLU_99,4.6,0.1,0,0
1WJG,TYR_39,11.41,0.42,0.41,0.58
2H2Z,HIS_134,5.69,-0.77,0,-0.03
2RIK,ASP_132,2.36,-1.49,-0.39,0.44
3BA1,LYS_22,11.39,-0.29,0.85,0.34
2D7U,LYS_150,10.69,-0.08,0,0.26
1JYH,LYS_27,10.63,-0.15,0,0.29
1WJG,ARG_56,12.42,-0.27,0,0.18
3FHF,GLU_36,4.67,0.47,0,-0.31
2XHC,ARG_98,12.8,-1.05,0.86,0.49
1TWU,ASP_48,3.4,-0.82,0,0.43
3AU3,CYS_599,9.15,-0.98,-0.01,1.13
1QZN,LYS_13,11.48,-0.48,0.85,0.61
2X4L,ASP_144,2.74,-1.87,-0.02,0.83
3HVM,GLU_34,4.71,0.23,0,-0.02
3CQ1,GLU_39,3.98,0.25,-0.42,-0.36
2ROS,TYR_112,10.19,-0.85,0.29,0.74
2R4Q,GLU_239,4.4,0.22,-0.35,0.03
3HVV,ARG_212,12.35,-0.15,0,0
2W1R,ASP_57,3.28,-0.49,-0.42,0.39
3QAV,TYR_77,12.3,0.85,0.44,1.02
3PBH,TYR_31,10.66,0,0.03,0.64
2V1L,ASP_97,4.2,-0.67,-0.14,1.21
1O3X,ARG_214,12.14,-0.64,0,0.27
2FC3,LYS_41,10.38,-0.22,0,0.11
1PVT,GLU_136,4.52,0.08,0,-0.06
3EAZ,LYS_86,10.57,-0.17,0,0.25
1X7F,ASP_191,3.36,-0.65,0,0.22
2VAN,ARG_213,12.52,-0.34,0,0.37
1GPP,ASP_441,2.76,-1.38,-0.91,1.24
2B0A,GLU_101,3.83,0.35,-0.52,-0.5
1LTU,ASP_280,2.66,-2.27,-0.54,1.68
3C0C,GLU_318,4.36,0.28,-0.4,-0.03
3IL3,HIS_15,6.12,-0.36,0,-0.02
1N81,ASP_177,4.13,0,0.17,0.17
3LQE,LYS_345,10.93,-0.18,0.61,0
1WP5,LYS_313,11.65,-0.41,0.85,0.71
2Q98,GLU_110,4.75,0.2,0,0.05
1WP5,LYS_267,10.44,-0.35,0,0.29
2JHY,LYS_167,10.55,-0.11,0,0.15
3UV9,ASP_386,4.18,-0.83,0,1.21
3IV4,LYS_69,11.62,-0.56,0.9,0.79
3GT0,LYS_84,10.24,-0.32,0,0.07
1DOV,ASP_233,3.81,0,-0.12,0.13
4H86,ASP_75,3.69,0,-0.35,0.25
3M7D,ARG_293,11.91,-1.98,0.09,1.3
4AE7,CYS_119,9.71,-0.18,-0.07,0.95
3QAV,HIS_209,5.56,-0.73,0,-0.21
3CAC,LYS_235,11.41,-0.32,0.85,0.38
2OKT,CYS_48,11.02,-1.64,0.11,3.55
3O7K,GLU_96,3.93,0.19,-0.76,0
1L2F,LYS_320,10.25,-0.18,0,-0.07
1P2F,ARG_192,11.61,-1.3,0,0.41
3TMO,ASP_249,3.67,0,-0.37,0.25
4HDE,LYS_107,10.35,-0.38,0,0.24
3ODJ,ASP_33,4.09,0.01,0.28
1UCH,ARG_145,12.3,-0.25,0,0.05
1L2F,LYS_111,10.3,-0.2,0,0
4FD6,LYS_96,9.69,-0.83,0,0.02
2H85,ASP_212,3.01,-1.1,-0.29,0.6
4DNU,ASP_327,3.76,0,-0.3,0.26
3M16,LYS_29,10.64,-0.2,0,0.34
2R57,ARG_217,12.78,-0.38,0.21,0.45
1X04,LYS_106,11.93,-1.27,1.7,1
3S0A,HIS_97,6.22,-0.54,0,0.25
2POY,GLU_265,4.42,0.29,-0.29,-0.07
3BQW,LYS_274,10.63,-0.22,0,0.35
3JSN,LYS_72,10.52,-0.19,0,0.22
2AZL,GLU_58,4.62,0.11,0,0.01
2AHE,LYS_110,10.61,-0.12,0,0.24
2FBL,ARG_88,12.44,-0.06,0,0
3B79,TYR_11,11.17,0,0.29,0.88
1TD6,TYR_206,12.57,0.01,16.2,41
2WZ9,LYS_128,10.5,0,0,0
1VJG,LYS_176,9.9,-0.69,0,0.09
1SQH,ARG_285,12.39,-0.11,0,0
2AHE,ARG_133,13.6,-0.16,1.27,0
1XKR,GLU_151,4.85,0.2,0.14
1NAR,LYS_110,12.15,-0.57,1.45,0.77
1G8P,ARG_101,12.5,-0.32,0,0.33
2AHE,GLU_135,2.84,0.37,-2.03,0
1OGL,ARG_75,11.96,-0.7,0,0.17
1Z9L,GLU_43,9.91,-0.44,0,-0.15
4FZR,ASP_66,2.87,-1.32,-0.18,0.58
1BKR,ASP_50,2.88,-0.9,-0.42,0.4
1NAF,LYS_213,10.35,-0.11,0,-0.04
3RE9,LYS_174,10.44,-0.13,0,0.07
2D59,LYS_109,9.66,-0.83,0,-0.01
2FG1,ARG_100,13.89,-0.44,1.22,0.62
1YG2,ARG_156,12.15,-0.39,0,0.04
1YTD,GLU_10,4.64,0.15,0,-0.02
2BQQ,LYS_53,10.28,-0.62,0,0.39
1FKM,LYS_585,10.38,-0.34,0,0.21
2NRK,HIS_36,3.8,-2.59,0,-0.1
3M7G,GLU_51,3.68,0.67,-0.87,-0.61
3P51,ARG_146,12.41,-0.09,0,0
1GXN,ARG_329,13.47,-0.32,0.82,0.49
3M70,ASP_17,3.91,0,-0.07,0.18
2CL3,LYS_192,10.34,-0.16,0,0
4FH3,ARG_364,12.49,-0.13,0.03,0.09
1MML,ARG_211,11.33,-1.2,0,0.03
4E8B,GLU_101,3.84,0.48,-0.75,-0.38
3KB5,HIS_373,6.19,-0.23,0,-0.08
3N2T,LYS_135,10.53,-0.08,0,0.11
1JT9,ASP_32,3.89,0,-0.03,0.12
3TMO,CYS_224,9.61,-0.27,0.19,0.7
3F5D,TYR_55,10.38,0,-0.06,0.43
3TMO,GLU_321,4.6,0.08,0,0.02
1ES9,ARG_168,12.21,-0.29,0,0
1D7O,TYR_159,11.18,-0.1,0.39,0.89
1TD6,GLU_178,3.3,0.37,-1.23,-0.34
3ZXY,LYS_12,10.41,-0.18,0,0.08
1AK1,LYS_18,11.27,-0.34,0.68,0.43
1J74,ARG_55,12.56,-0.07,0,0.12
3JRT,ARG_164,13.43,-0.45,0.63,0.74
1V43,ASP_367,4.08,0,0.06,0.21
3JZN,ASP_109,4.0,-0.06,0.26
3ELI,HIS_116,2.89,-2.88,0,-0.72
2H30,LYS_56,11.59,-0.36,0.77,0.68
3OOP,CYS_113,9.57,0.21,0.36
1JB3,ASP_70,3.9,-0.76,-0.01,0.86
1MHN,TYR_130,10.47,0,0.18,0.3
3BQW,TYR_196,12.84,0,0.57,2.27
3ZXY,ARG_238,12.34,-0.35,0,0.19
3EJG,GLU_98,4.05,0.47,-0.76,-0.17
4FD6,LYS_154,11.05,-0.46,0.46,0.55
2ZCO,HIS_18,3.27,-1.76,0,-1.47
1DUN,LYS_98,10.69,-0.33,0.03,0.48
2CXA,ARG_136,12.57,-0.3,0,0.37
3JRT,LYS_70,10.59,-0.21,0,0.3
1D7O,HIS_35,6.86,-0.91,1.16,0.11
1QYI,GLU_211,6.13,4.24,-1.34,-1.28
3HOX,TYR_85,10.61,0,0.23,0.37
3H5T,GLU_84,4.73,0.22,0,0.01
3HUE,GLU_95,4.75,0.42,-0.16,-0.01

2E3I,ASP_100,1.3,-2.59,-0.38,0.47
2NYC,GLU_259,3.51,0.35,-1.34,0
2O4D,GLU_113,4.71,0.21,0,1.39E-17
1OGL,HIS_269,6.51,-0.18,0,0.19
3NOK,ARG_21,13.61,-1.52,1.12,0.99
2ZOM,TYR_82,10.97,0.38,0.14,0.45
2QZQ,LYS_100,10.5,0,0,0
1WXF,ARG_68,13.04,-0.82,0.83,0.54
3LH5,ASP_682,3.54,-0.32,-0.06,0.12
1PVT,HIS_1,7.17,-0.33,0.57,0.43
3CN5,ASP_184,2.61,-1.28,-0.44,0.53
2E3C,GLU_341,4.42,0.63,-0.47,-0.24
2VGM,LYS_373,10.27,-0.44,0,0.2
3EJC,ASP_163,3.89,-0.02,-0.34,0.44
3F1X,CYS_108,7.96,-1.99,0.5,0.44
1XDZ,LYS_111,10.45,-0.39,0,0.34
2GZR,GLU_243,6.53,1.98,0,0.05
1GQE,LYS_303,10.7,-0.11,0,0.31
1P1L,GLU_47,3.88,0.44,-0.67,-0.38
2DG7,ARG_160,12.55,-0.28,0.06,0.27
3BWT,ASP_558,3.88,0,-0.04,0.13
3ETV,ASP_274,3.91,0,-0.6,0.71
3VHJ,ASP_117,3.83,0,-0.15,0.18
1MJS,TYR_363,10.2,0,0.05,0.16
2P0L,GLU_27,4.25,0.74,-0.7,-0.3
1XIP,GLU_328,4.59,0.08,0,0.02
1SIG,ARG_225,12.13,-0.45,0,0.07
3UV9,TYR_414,12.77,0.67,0.54,1.57
1G8P,HIS_184,4.89,-2.54,0.87,0.06
3JZN,LYS_284,10.45,-0.05,0,0
2JKF,GLU_43,4.55,0.07,0,-0.02
1AKO,ARG_268,12.62,-0.06,0,0.18
3M70,HIS_212,6.72,-0.7,0.87,0.04
1FQI,ASP_334,2.97,-0.85,-0.42,0.44
2F4Q,GLU_319,4.64,0.14,0,0
3PZ9,GLU_382,3.63,1.35,-1.52,-0.71
2CVB,ARG_130,13.06,-0.67,0.18,1.06
2OGQ,ARG_516,13,-0.59,0.74,0.34
2RJD,GLU_277,4.56,0.14,0,-0.08
3ASA,GLU_230,7.03,4.88,-2.67,0.31
2C13,LYS_210,10.06,-0.42,0,-0.02
3V4G,HIS_99,5.99,-1.09,0,0.57
1X6J,GLU_82,4.58,0.22,0,-0.14
3FRR,ARG_82,12.33,-0.2,0,0.02
1MTZ,ARG_201,12.7,-0.27,0,0.47
1O59,ARG_321,12.6,-0.18,0,0.28
1WLY,GLU_181,4.63,0.17,0,-0.05
4EUG,ASP_176,2.56,-1.48,-0.37,0.61
2NRR,TYR_393,13.1,0.85,0.44,1.8
3ERF,LYS_105,10.56,-0.13,0,0.19
2ZQ5,LYS_59,10.31,-0.13,0,-0.06
2Z84,HIS_40,4.93,-2.46,0.95,-0.06
2GZQ,GLU_142,4.46,0.18,0,-0.22
1X7F,ARG_286,11.96,-0.71,0,0.18
1T07,ARG_8,13.92,-0.78,1.64,0.56
2DFL,ARG_217,11.27,-1.4,0,0.16
3CX2,ARG_215,12.43,-0.07,0,0
3EJG,LYS_144,9.25,-1.55,0,0.3
1R53,TYR_276,9.34,-0.85,-0.27,0.46
3G9T,LYS_35,10.16,-0.19,0,-0.15
3CBN,ARG_81,12.17,-0.59,0,0.26
4AE7,ARG_114,12.36,-0.33,0,0.18
3UC9,ASP_159,3.33,-0.6,-0.03,0.17
2HXB,LYS_24,10.33,-0.25,0,0.09
3CIV,ARG_248,12.8,-0.19,0.04,0.45
4EVF,ASP_157,3.6,-0.25,-0.19,0.24
2PGE,ASP_108,3.31,-0.74,-0.74,1
1SIG,GLU_254,3.97,0.5,-0.55,-0.47
3CS1,GLU_41,4.08,0.8,-0.66,-0.56
1QQL,LYS_27,10.38,-0.19,0,0.07
1ATO,ARG_348,12.41,-0.29,0,0.2
2PGE,ARG_82,13.89,-0.41,1.28,0.52
1OXZ,ASP_189,3.18,-0.95,-0.13,0.46
3BCH,LYS_11,10.17,-0.36,0,0.02
2BDD,ASP_151,3.74,0,-0.36,0.3
4DEZ,LYS_192,10.44,-0.12,0,0.06
2AD1,LYS_167,10.55,-0.11,0,0.16
3H13,HIS_334,5.85,-0.41,0,-0.24
3RLE,TYR_196,11.05,0.23,0.81
2EYI,TYR_241,13.94,0,0.19,3.75
1Ri6,LYS_208,10.42,-0.09,0,0.01
2FZ4,ARG_95,13.15,-0.19,0.5,0.35
2C2Y,ARG_181,12.43,-0.07,0,0
1ZCE,GLU_110,4.65,0.15,0,0
3ANJ,ASP_393,3.78,0,-0.21,0.19
2FL4,TYR_62,12.48,0.67,0.59,1.22
1R6Y,GLU_73,4.73,0.23,0,0
3A2Z,ARG_110,12.28,-0.4,0,0.18
3V3T,LYS_276,10.68,-0.15,0,0.33
2P0L,ARG_169,12.43,-0.27,0,0.2
4FH3,LYS_255,10.84,-0.12,0,0.47
1W24,TYR_179,12.12,0.05,1.55
2IF4,CYS_232,12.03,0,-0.44,3.48
2R57,TYR_361,10.67,-0.15,0.15,0.67
3CRM,ARG_282,12.06,-0.44,0,0
2HNG,LYS_36,10.81,-0.13,0.15,0.29
2X4G,ARG_72,12.46,-0.14,0,0.1
2E0T,HIS_185,6.87,-0.35,0.79,-0.06
2RH3,HIS_143,6.24,-0.23,0,-0.03
3IOC,TYR_149,13.5,0.44,-0.21,3.27
3UPD,HIS_22,6.06,-0.12,0,-0.32
2OGQ,LYS_420,10.65,-0.09,0,0.24
2JKF,LYS_100,10.15,-0.31,0,-0.04
3UPD,ARG_61,13.6,-0.49,0.78,0.8
2H2Z,HIS_41,4.46,-2.39,0,0.34
2EDM,GLU_66,4.48,0.31,0,-0.33
3J5N,ARG_230,12.63,-0.1,0,0.23
3G53,CYS_252,9.46,-0.03,-0.15,0.64
1O5J,GLU_86,4.58,0.17,0,-0.09
1H4U,GLU_512,4.64,0.08,0,0.06
3C2E,CYS_269,9.5,-0.04,0.02,0.52
1Q8B,GLU_73,4.42,0.31,-0.39,0.01
1TR9,ARG_86,12.28,-0.44,0,0.22
1HF8,LYS_238,10.43,-0.14,0,0.07
1WRU,ARG_71,11.61,-0.55,0,-0.35
3UAH,ASP_465,3.54,-0.64,-0.25,0.63
2D0A,ASP_208,3.9,0,-0.08,0.17
2IDC,TYR_44,12.44,-0.45,-0.17,3.06
4DND,LYS_89,11.04,-0.37,0.52,0.38
3UX2,GLU_115,3.78,0.15,-0.85,-0.02
2IXM,ASP_240,3.17,-0.82,-0.28,0.48
2Z0W,GLU_46,4.64,0.2,0,-0.06
3G59,TYR_191,10.07,0,0,0.07
4ETX,ARG_410,13.14,-0.36,0.73,0.26
3GOZ,LYS_4,10.57,-0.11,0,0.18
2BAA,HIS_169,5.31,-1.42,0.23,0
2PGE,GLU_149,4.75,0.31,-0.07,0
1LZL,ARG_30,13.54,-1.1,4.8,0.57
3ILC,GLU_7,4.45,0.27,-0.03,-0.29
1WPA,GLU_463,4.91,0.34,0,0.07
2BAA,HIS_66,5.9,-2.23,0.85,0.78
3L7N,ASP_27,3.95,0,-0.09,0.24
3BCY,GLU_89,3.93,0.88,-0.82,-0.63
2CL3,ARG_78,12.12,-0.65,0,0.27
3G59,LYS_84,9.78,-1.07,0,0.34
2P5D,TYR_92,9.81,-0.35,-0.36,0.53
3M3P,ASP_168,3.94,-0.11,-0.17,0.43
1BN6,LYS_206,10.56,-0.12,0,0.18
1G8P,GLU_152,5.1,0.36,0,0.24
2IDC,ARG_171,12.24,-0.1,0,-0.16
1EYH,LYS_97,10.62,-0.5,0.26,0.35
1BN6,ARG_71,13.37,-1.1,4.6,0.42
1V8H,HIS_217,6.35,-0.26,0,0.11
1RAJ,LYS_435,9.94,-0.57,0,0.01
3H04,ARG_172,12.79,-2.09,1.44,0.94
1YJH,GLU_88,3.74,0.35,-0.73,-0.38
4FZN,ASP_161,3.39,-0.47,-0.34,0.41
3IRA,GLU_169,4.81,0.19,0,0.12
1YTD,LYS_266,11.69,-0.44,0.85,0.77
2E0T,ARG_100,12.49,-0.21,0,0.2
2FBI,ARG_74,12.55,-0.26,0,0.31
1O17,LYS_33,9.91,-0.52,0,-0.06
2ILR,GLU_418,4.68,0.25,-0.07,0
4ANN,LYS_94,9.28,-1.21,0,-0.01
2R51,ARG_199,12.32,-0.25,0,0.08
1R7J,ASP_69,4.03,0,-0.04,0.27
4F85,ARG_126,13.66,-0.74,1.17,0.73
1SUU,ASP_647,3.89,0,0,0.09
4AE7,GLU_151,4.11,0.44,-0.84,0
3TOW,ARG_59,12.61,-0.16,0,0.27
3RLN,ARG_657,13.34,-0.44,0.7,0.57
2BLL,ARG_460,12.49,-1.19,0.34,0.83
3K1H,GLU_137,4.58,0.21,-0.04,-0.09
2AZP,ARG_221,13.19,-0.49,0.78,0.4
2FL7,LYS_111,10.34,-0.28,0,0.12
3K8U,LYS_46,10.3,-0.07,0,-0.13
3J5N,ASP_205,2.54,-1.32,-0.38,0.44
1WXF,LYS_112,10.54,-0.17,0,0.21
3F53,GLU_63,4.65,0.15,0,0
1QQE,LYS_68,11.42,-0.85,0.85,0.93
3IBT,HIS_244,3.51,-3.31,0,0.32
1AKO,LYS_2,9.64,-1.15,0,0.29
1XTZ,GLU_179,4.86,0.26,0,0.1
3E0H,TYR_132,12.02,0,-0.13,2.15
3EJG,HIS_41,4.72,-1.99,0,0.21
2XJ4,ARG_170,11.32,-1.04,0,-0.14
1JKS,GLU_143,4.12,0.85,-0.85,-0.38
3P28,HIS_191,5.94,-0.23,0,-0.33
3LQE,GLU_471,3.28,0.38,-1.42,-0.17
2QDJ,ARG_71,13.12,-0.42,0,1.04
3TMO,GLU_220,4.55,0.1,0,-0.05
3O16,LYS_116,10.59,-0.08,0,0.16
1E55,LYS_233,10.47,-0.24,0,0.2
4GA2,TYR_36,11.79,0.09,0.67,1.02
1U7U,GLU_383,4.93,0.45,0,-0.01
2WB8,CYS_550,9.15,-0.1,0.05,0.21
2F8H,ASP_94,3.87,-0.06,-0.18,0.32
2VAN,GLU_232,4.6,0.35,0,-0.25
2FL4,ASP_52,3.22,-0.85,0,0.27
3HVM,LYS_317,11.09,-0.32,0.91
3GW3,ARG_21,12.66,-0.46,0.01,0.62
1QZN,GLU_124,4.68,0.31,0,-0.12
1UAJ,TYR_54,10.1,0,0.02,0.07
1R2Z,CYS_233,12.68,-0.11,0.26,3.53
3PBH,LYS_18,10.13,-0.36,0,0
3GE9,LYS_153,10.44,-0.06,0,0
2GAU,LYS_218,10.56,-0.2,0,0.25
1RL0,ARG_24,10.39,-2.12,0.55E-17
1R9W,GLU_345,3.49,0.19,-0.85,-0.35
2AH5,ARG_171,12.43,-0.1,0,0.03
1MJS,ARG_322,12.49,-0.07,0,0.06
2FG1,LYS_41,10.41,-0.13,0,0.04
3BB7,TYR_256,10.87,0.0,0.14,0.73
2JEO,GLU_181,4.6,0.1,0,0
3RKV,TYR_214,11.56,-0.84,0.28,2.12
4DND,GLU_42,4.61,0.18,0,-0.06
2D7U,ASP_299,3.77,0,-0.26,0.23
3EZ7,CYS_352,9.42,0,0.04,0.38
1WLY,CYS_240,12.57,0.049,3.09
3RE9,ARG_165,12.99,-0.29,0.21,0.57
2DVK,ARG_149,12.77,-0.44,0.47,0.23
1O6D,GLU_36,3.14,0.68,-1.5,-0.54
3PBH,TYR_136,11.54,-0.1,1.05,1.12
3T57,ARG_250,12.58,-0.31,0,0.4
1NJ4,GLU_187,4.45,0.46,-0.12,-0.38
2PGX,ARG_47,12.89,-0.37,0.03,0.72
3U0V,GLU_107,4.12,0.89,-0.77,-0.5
4DEZ,LYS_3,10.7,-0.13,0,0.34
2WB8,TYR_580,11.57,0.058,0.99
2CYG,ARG_57,12.4,-1.35,0,1.26
2Z61,ARG_318,12.83,-0.49,0,0.82
2JKF,GLU_87,4.71,0.24,0,-0.02
3KB5,TYR_450,10.32,-0.07,-0.3,0.68
2RIK,ASP_124,0.08,0,0.28
4H86,TYR_18,11.56,0.005,1.51
2H01,CYS_164,9.16,-0.03,0,0.18
1YTQ,TYR_158,11.3,0.029,1.01
4FD6,LYS_149,10.48,-0.22,0,0.2
2Z14,ASP_108,2.16,-2.31,-0.21,0.87
1Ri6,HIS_333,5.66,-1.04,0.16,0.02
1UXO,ARG_26,13.66,-0.48,0.78,0.86
4EVF,ASP_52,3.94,0,-0.17,0.31
3O16,ASP_64,3.93,0,0,0.13
2P52,ARG_206,12.44,-0.15,0,0.09
3HYQ,ASP_94,3.34,-0.41,-0.51,0.47
2GZQ,LYS_192,10.54,-0.15,0,0.19
1XDZ,GLU_179,3.85,0.41,-1.06,0
3V46,GLU_333,4.69,0.33,0,-0.14
1QQH,TYR_87,12.1,-0.09,0.88,1.32
1X1E,ARG_123,10.59,-2.31,0,0.39
1Z9L,ASP_79,3.49,-0.91,0.16,0.44
1J79,HIS_232,5.96,-1.46,0.88,0.05
1XEU,TYR_225,10.74,0,0.01,0.73
1T6L,GLU_140,4.5,0,0,0
2WB8,GLU_708,4.75,0.1,0,0.15
3COU,GLU_136,4.85,0.27,0,0.07
1GPL,GLU_36,4.54,0.23,0,-0.19
3RLN,HIS_757,5.59,-1.04,0.72,0.28
1TJE,ARG_151,12.09,-1.56,0,1.14
1X9G,ASP_98,2.32,-1.2,-0.75,0.47
3PAC,GLU_160,4.5,0.25,0,-0.25
1O5T,ARG_326,12.28,-0.3,0.0,0.9
1XKR,GLU_162,4.16,0.48,-0.82,-0.01
3NZL,TYR_58,10.1,0,0,0.1
2X5Y,GLU_892,3.75,1.4,-1.57,-0.57
1QQH,TYR_120,10.85,0.21,0.19,0.45
2PGE,LYS_184,10.41,-0.2,0,0.12
2P4D,LYS_22,10.08,-0.28,0,-0.14
3EIZ,ASP_34,3.24,-0.89,-0.1,0.43
2BLL,ARG_651,13.16,-0.36,0.64,0.38
3N2T,LYS_153,11.45,-0.37,0.8,0.52
3KEY,ARG_343,13.44,-0.39,0.49,0.85
3ETV,ASP_312,3.92,0,-0.12,0.25
1WXQ,GLU_170,4.46,0.16,0,-0.2
3V55,TYR_657,10.32,0.02,0.29
1X1E,TYR_176,11.96,0,-0.17,2.13
2O0K,ASP_10,2.98,-0.84,-0.4,0.42
1AM2,ARG_160,12.46,-0.27,0,0.23
2OBI,LYS_145,10.53,-0.11,0,0.14
2B0J,ASP_189,3.16,-0.6,-0.47,0.43
4E9E,LYS_504,11.72,-0.49,0.85,0.86
1YM5,LYS_62,10.63,-0.14,0.26,0.01
1F2V,GLU_32,4.54,0.09,0,-0.06
1P6F,HIS_163,5.89,-0.77,0.32,-0.15
1TXJ,LYS_97,10.36,-0.38,0,0.25
3C5V,GLU_184,4.34,1.24,-1.56,0.18

2H85,HIS_234,5.6,-1.13,0,0.22
 1NKD,LYS_6,10.28,-0.25,0,0.02
 3ULX,LYS_96,10.65,-0.3,0,0.45
 1ZBP,LYS_262,10.16,-0.67,0,0.32
 2H2W,GLU_195,5.26,1.21,0,-0.45
 3GMS,GLU_21,2.68,0.8,-2.24,-0.37
 1RL0,ARG_137,12.61,-2.29,0.64,1.75
 1R53,ASP_213,3.21,-0.69,-0.24,0.34
 1OXZ,HIS_235,6.73,-0.36,0.08,0.52
 2V1L,HIS_18,5.27,-1.15,0,-0.08
 3B79,ARG_43,12.14,-0.32,0,-0.05
 4DEZ,ASP_114,3.57,0,-0.54,0.31
 3OA7,LYS_514,10.7,-0.18,0,0.38
 2GEN,GLU_29,3.92,0.28,-0.74,-0.12
 2YYO,HIS_10,6.31,-0.47,0.08,0.21
 3RNV,HIS_417,6.24,-0.81,0,0.54
 2G2D,HIS_54,6.32,-0.18,0,0.0
 2GKG,ASP_48,3.01,-0.84,-0.49,0.54
 3CCY,HIS_66,4.6,-1.78,0,-0.12
 3IVF,ASP_77,3.33,-0.77,-0.21,0.5
 1T3Y,ASP_54,3.22,-0.62,-0.28,0.32
 2PPN,LYS_17,10.4,-0.1,0,0
 3NBI,ASP_94,2.85,-1.37,-0.21,0.63
 2I6I,GLU_40,3.32,1.73,-2.27,-0.63
 1X9G,ASP_100,3.73,-0.4,-0.22,0.55
 2R57,ASP_342,3.29,-0.62,-0.28,0.38
 3A7L,GLU_109,4.53,0.2,0,-0.17
 2ZCX,ARG_39,12.59,-0.28,0,0.37
 3F6F,LYS_107,10.39,-0.28,0,0.17
 3DSH,CYS_332,12.55,0,0.75,2.8
 2VGM,GLU_233,4.58,0.52,-0.27,-0.17
 1QQH,LYS_148,10.83,-1.27,0.85,0.75
 3AUF,ARG_198,13.2,-0.28,0.61,0.37
 4E9E,TYR_545,11.84,0.55,1.29
 2H14,TYR_284,12.54,0.85,0.52,1.18
 1GQE,LYS_362,10.33,-0.39,0,0.22
 1YW5,LYS_22,10.48,-0.12,0,0.11
 1UAJ,GLU_232,2.93,0.48,-1.51,-0.54
 1P2F,LYS_119,10.13,-0.56,0,0.19
 2Z61,LYS_200,10.56,-0.09,0,0.14
 2I88,LYS_512,10.6,-0.5,0,0.6
 4FCU,ARG_31,11.73,-0.95,0,0.19
 3M3P,GLU_110,4.08,3.25,-2.53,-1.15
 3B79,GLU_112,4.43,0.18,-0.19,-0.05
 3M3P,ASP_22,3.09,-0.84,-0.24,0.38
 3PP8,ARG_163,12.72,-1.14,0.59,0.77
 3H5T,ASP_238,4.05,-0.02,-0.01,0.28
 3FK5,LYS_82,10.71,-0.19,0,0.4
 2JHY,ASP_89,2.54,-1.61,-0.01,0.37
 1T3J,GLU_706,4.56,0.22,-0.2,0.04
 3Q1C,ARG_262,12.42,-0.3,0,0.22
 1H09,TYR_273,12.63,-0.36,0.93,2.05
 3OKQ,CYS_677,9.24,0,0,0.24
 3LJC,ARG_226,12.46,-0.15,0,0.11
 3NJM,LYS_59,10.4,-0.15,0,0.05
 1O6D,ARG_42,12.44,-0.06,0,0
 3JV1,ASP_138,3.94,0,0,0.14
 3LD1,ARG_183,12.19,-0.31,0,0
 1QZN,ASP_81,4.02,0,0.01,0.21
 2W1R,ARG_104,12.61,-0.24,0.06,0.3
 1SQW,TYR_35,11.69,0.85,0.36,0.49
 1F09,GLU_385,3.03,1.56,-1.66,-1.37
 1G5Z,ASP_166,2.38,-1.12,-0.75,0.44
 2H2Z,ARG_222,12.3,-0.2,0,0.01
 3OA7,GLU_469,4.64,0.32,-0.11,-0.07
 2QK1,LYS_467,10.44,-0.18,0,0.12
 3ILC,GLU_96,3.76,0.45,-0.81,-0.38
 1SJB,LYS_535,10.41,-0.28,0,0.18
 1ZYL,ARG_131,12.24,-0.55,0,0.29
 3RNV,ARG_406,12.02,-0.51,0,0.03
 1JKS,ASP_149,3.32,-0.82,-0.03,0.37
 1AM2,LYS_165,10.72,-0.37,0.14,0.45
 2X4G,ARG_311,12.13,-0.4,0,0.03
 1X1E,TYR_99,10.97,0.02,0.74
 3GA2,CYS_61,12.21,0,0.4,2.82
 2FM9,ASP_72,3.36,-0.76,0,0.32
 1TWU,ASP_58,3.63,0,-0.45,0.28
 3P2F,TYR_77,12.7,0,0.33,2.37
 1MTZ,LYS_123,11.3,-0.58,0.85,0.53
 2G9D,ASP_296,4.35,0,-0.09,0.64
 3V4G,GLU_31,3.77,0.26,-0.83,-0.16
 2C13,GLU_68,3.42,0.65,-1.79,0.06
 1V6T,TYR_16,10.1,0,0,0.1
 1D2K,ARG_147,12.67,-1.08,0.58,0.66
 4EKU,ARG_85,12.57,-0.21,0,0.29
 2BAA,ARG_90,12.34,-0.17,0,0.01
 2F8H,ARG_62,11.21,-1.49,0,0.2
 2WOZ,TYR_367,10.38,0.01,0.36
 3J29,LYS_438,10.11,-0.25,0,-0.14
 3CBN,LYS_154,9.79,-0.41,0,-0.29
 3V46,ARG_268,12.45,-0.05,0,0
 2B01,LYS_273,10.57,-0.13,0,0.19
 2EFK,TYR_205,10.35,0,0.04,0.31
 1FQI,GLU_320,3.7,0.53,-0.9,-0.43
 2FXT,GLU_303,4.8,0.57,0,-0.26
 2QHT,ARG_104,12.22,-0.29,0,0.01
 3FTT,TYR_82,10.29,-0.15,0.02,0.43
 4EZB,ASP_66,3.52,-0.83,-0.44,0.98
 2P4D,LYS_165,11.24,-0.37,0.72,0.38
 2RJD,GLU_262,4.09,0.63,-0.64,-0.41
 1YB2,ASP_93,3.17,-0.85,-0.18,0.4
 3MIX,GLU_333,4.37,0.21,-0.34,0
 3RFY,ARG_152,12.42,-0.07,0,0
 1SFE,GLU_32,4.52,0.17,0,-0.15
 3RHE,LYS_122,10.45,-0.22,0,0.18
 3Q1C,ARG_208,12.38,-0.29,0,0.17
 1AK1,CYS_273,13.28,0.84,3.44
 3RLE,HIS_156,6.54,-0.52,0.7,-0.14
 1BN6,ARG_299,12.49,-0.16,0,0.14
 1H09,TYR_252,11.13,0.03,0.78
 2PIM,ARG_111,12.46,-0.04,0,0
 3H8Y,HIS_85,6.35,-0.16,0,0.01
 1Q5Z,ARG_565,12.33,-0.17,0,0
 1SQH,ASP_189,3.65,0,-0.32,0.17
 1EV8,ASP_156,3.83,0,-0.09,0.12
 2CE6,GLU_30,3.89,1.34,-1.58,-0.36
 1XTZ,LYS_226,10.49,-0.4,0,0.4
 2D7U,LYS_304,10.34,-0.33,0,0.17
 3CS1,GLU_150,4.8,0.11,0,0.2
 1O5J,LYS_71,10.5,0,0,0
 4ECC,TYR_7,11.82,-0.82,-0.24,2.87
 4EVF,ARG_229,12.01,-0.73,0,0.23
 2CIU,ARG_111,11.54,-1.04,0,0.08
 2AXO,LYS_95,11.03,-0.3,0,0.84
 1NJ4,ARG_194,12.51,-0.51,0.12,0.4
 4ECC,LYS_77,10.59,-0.23,0.02,0.3
 2Z61,LYS_84,10.47,-0.04,0,0.01
 2C13,ARG_135,12.41,-0.28,0,0.18
 3IRA,HIS_149,6.24,-0.71,0.31,0.15
 2RGY,ASP_295,2.82,-1.3,0,0.32
 3LJC,GLU_57,4.38,0.2,-0.17,-0.16
 2OJQ,GLU_529,5.39,0.84,0,0.05
 1I60,CYS_93,11.43,-0.04,0,2.46
 3H8Y,ASP_25,3.35,-0.5,-0.38,0.44
 4D8L,ASP_64,3.48,-0.54,-0.43,0.65
 1TJE,ARG_145,13.93,-0.37,1.42,0.38
 2CN1,CYS_53,10.38,0,-0.04,1.41
 3ETU,LYS_90,10.26,-0.31,0,0.06
 2JKF,LYS_156,10.8,-0.88,0.76,0.42
 2IXM,LYS_286,10.31,-0.19,0,0
 1RSQ,GLU_4,4.12,0.18,-0.56,0
 3M16,LYS_32,10.44,-0.11,0,0.05
 3MIX,TYR_545,10.61,0.02,0.32,0.29
 1UOH,GLU_183,4.58,0.25,0,-0.17
 3IL3,ARG_196,12.45,-0.05,0,0
 1X91,TYR_68,10.83,-0.72,0.31,1.25
 4EVF,GLU_185,3.46,0.59,-1.54,-0.08
 2NSN,TYR_88,10.36,0.21,0.15
 2W25,ASP_146,4.03,0,-0.06,0.29
 3UPD,LYS_297,10.99,-0.16,0.28,0.36
 1JYH,ASP_141,3.38,-0.83,0.04,0.38
 1WLY,TYR_135,13.04,0,0.4,2.64
 2B78,TYR_26,12.76,0.15,2.6
 1R29,GLU_77,4.78,0.11,0,0.17
 1BYI,ARG_91,12.78,-0.2,0.23,0.25
 3PM2,GLU_58,5.28,1.48,-0.55,-0.14
 1ZCU,ARG_33,12.84,-0.27,0,0.61
 1MTZ,GLU_87,3.95,2.02,-1.62,-0.94
 1P6F,GLU_153,4.75,0.25,0,0
 2P1W,GLU_181,4.83,1.43,-0.58,-0.53
 2R0S,ASP_184,3.01,-0.73,-0.48,0.43
 3M7D,GLU_309,4.81,0.18,0,0.13
 1TLV,LYS_82,11.38,-0.6,0.85,0.62
 3UPD,HIS_310,6.36,-0.83,0.76,-0.06
 2B6P,ARG_11,12.42,-0.13,0,0.06
 3GA2,HIS_125,4.21,-2.04,0,-0.26
 3UAH,GLU_272,4.45,0.17,0,-0.22
 2P65,LYS_172,10.53,-0.09,0,0.11
 1TUL,TYR_33,10.4,-0.85,0.08,1.17
 1E59,HIS_108,6.08,-0.95,0.74,-0.21
 1W7B,ARG_205,12.37,-0.34,0,0.21
 2E3H,GLU_211,4.39,0.11,0,-0.22
 3ONH,ASP_460,3.84,0,-0.27,0.31
 1YTD,TYR_387,10.27,0,-8.67E-18,0.26
 1YW5,LYS_76,9.42,-1.2,0,0.13
 3MIX,ASP_464,3.33,-0.62,-0.21,0.37
 3CAN,ARG_47,12.5,-0.36,0.16,0.19
 3T57,ARG_323,12.7,-0.57,0.25,0.52
 3ETU,LYS_320,9.79,-0.5,0,-0.21
 1WLY,GLU_67,6.74,4.36,-1.64,-0.48
 3HQX,HIS_26,6.17,-0.38,0.13,-0.07
 3MTT,LYS_516,10.46,-0.04,0,0
 2EJB,ASP_175,3.12,-0.85,-0.57,0.74
 1JSX,GLU_183,3.57,0.71,-0.96,-0.69
 2HRZ,TYR_159,12.05,0,-0.03,2.08
 4FLE,GLU_98,3.88,0.4,-0.61,-0.41
 1DZF,GLU_203,4.71,0.22,0,0
 3LMO,ASP_48,4.73,-0.72,-0.24,1.88
 1SUU,GLU_718,3.85,0.79,-1.1,-0.34
 1JYH,CYS_65,10.88,-0.68,0.24,2.33
 1Y2Q,TYR_120,10.22,0,0.04,0.18
 1WP5,GLU_46,4.45,1.19,-0.85,-0.4
 3G9G,LYS_109,11.47,-0.36,0.81,0.53
 2W25,ARG_70,12.38,-0.29,0,0.16
 3G65,TYR_62,12.33,0.16,2.16
 1UW7,GLU_70,4.77,0.72,-0.06,-0.39
 3DZ1,ARG_31,12.29,-0.44,0,0.23
 2EOT,LYS_180,11.48,-0.25,0.85,0.38
 1OLR,ARG_193,12.58,-0.09,0,0.17
 2B6P,HIS_40,5.01,-1.06,0,-0.43
 3DTE,ARG_238,12.18,-0.32,0,0
 1NIJ,LYS_211,11.02,-0.84,0.82,0.53
 3RRQ,ASP_105,2.31,-1.66,-0.33,0.5
 3K8U,ARG_15,12.37,-0.27,0,0.14
 3E7P,ASP_157,3.59,-0.32,-0.09,0.21
 2R51,LYS_203,10.69,-0.19,0,0.38
 3B7H,GLU_10,3.63,0.36,-0.85,-0.38
 1WOU,GLU_62,4.48,0.06,0,-0.08
 4E9E,LYS_576,10.41,-0.25,0,0.16
 3P51,CYS_37,10.5,-0.09,-0.34,1.93
 2VGM,LYS_190,10.48,-0.1,0,0.09
 1YOK,GLU_163,3.07,0.5,-1.47,-0.46
 2V4X,LYS_20,10.4,-0.12,0,0.02
 3H5T,LYS_260,10.64,-0.33,0,0.47
 2FPN,LYS_185,10.47,-0.06,0,0.02
 2O8P,CYS_26,9.1,-0.34,0.07,0.37
 2OB5,LYS_46,11.31,-0.28,0.72,0.37
 2H14,ASP_76,3.1,-1.11,0,0.41
 2RIK,TYR_115,11.8,0,-0.35,2.15
 1SQW,ASP_138,3.13,-0.84,-0.19,0.36
 2QOP,HIS_115,6.18,-0.93,0.18,0.44
 3GV0,ASP_111,3.2,-0.32,-0.73,0.44
 2FM9,LYS_71,10.4,-0.1,0,0
 2F8H,ASP_128,10.43,-0.16,0,0.09
 2XMZ,ASP_65,3.69,-0.42,-0.05,0.35
 3F6F,LYS_206,11.51,-0.27,0.85,0.43
 1SNT,TYR_310,12.69,0.104E-17,2.69
 2BQQ,ASP_62,2.26,-2.2,-0.27,0.94
 3L3P,GLU_380,5.78,1.11,-0.1,0.26
 3M66,LYS_224,11.46,-0.34,0.85,0.45
 1U7U,ARG_226,12.11,-0.32,0,-0.08
 1SBX,ARG_184,12.48,-0.15,0,0.13
 3HKX,ASP_273,4.2,0.017,0.23
 3BZT,GLU_284,3.27,1.73,-2.01,-0.93
 2GAU,ARG_88,10.78,-1.88,0,0.16
 2B0J,GLU_193,4.56,0.22,0,-0.16
 2GEN,GLU_79,4.85,0.37,0,-0.03
 2PGX,LYS_69,10.42,-0.08,0,0
 1PZC,LYS_107,9.06,-1.52,0,0.08
 2R2Y,GLU_118,4.03,0.45,-0.72,-0.2
 2R4Q,LYS_195,11.39,-0.39,0.85,0.43
 3M9A,GLU_89,4.82,0.23,0,0.09
 2O4D,LYS_27,10.34,-0.16,0,0
 1E5S,GLU_219,4.54,0.19,0,-0.14
 1YOY,LYS_66,11.11,-0.55,0.76,0.4
 3Q6L,TYR_129,11.12,-0.24,-1.05,2.42
 1LN4,LYS_6,10.84,-0.22,0.56,0
 1Q5Z,LYS_551,10.3,-0.18,0,-0.02
 3D9H,LYS_185,10.54,-0.31,0,0.35
 2OKT,ARG_29,13.05,-3.43,0.399
 3EGN,ARG_401,12.42,-0.08,0,0
 1O6D,LYS_51,10.01,-0.51,0,0.02
 2R4Q,GLU_198,3.52,0.25,-0.85,-0.38
 3G65,LYS_124,11.01,-0.25,0.38,0.38
 3AUF,HIS_56,6.64,-0.64,0.5,0.28
 1YM5,TYR_130,11.24,0.011,1.13
 3I47,LYS_138,10.55,-0.37,0,0.42
 2PPN,HIS_25,5.59,-0.7,0,-0.21
 1R3F,TYR_263,10.09,0,0,0.09
 2OGQ,HIS_468,6.3,-0.19,0,-0.01
 2IRM,CYS_277,8.26,-1.7,-0.43,1.39
 1XKR,GLU_112,4.73,0.67,-0.39,-0.05
 3FHF,GLU_53,3.59,0.34,-0.85,-0.4
 3UV9,CYS_438,8.73,-0.79,0.06,0.45
 1NFN,GLU_121,3.73,0.32,-0.84,-0.26
 2NRR,TYR_361,10.86,0.57,0.3
 4EKU,HIS_96,6.52,-0.7,0.5,0.21
 1PDB,LYS_55,9.9,-0.57,0,-0.03
 2AXO,GLU_182,4.69,0.37,-0.13,-0.05
 3HUE,ASP_146,3.88,0,-0.06,0.13
 1ZBP,GLU_186,3.54,0.87,-1.42,-0.42
 3B4D,GLU_187,3.48,0.53,-1.28,-0.27
 1O5T,TYR_240,12.47,-0.85,0.332
 2X4L,GLU_121,3.8,0.28,-0.63,-0.35
 3G65,GLU_144,4.73,0.16,0,0.07
 3GE9,GLU_214,4.83,0.84,0,-0.52

3FRH,HIS_58,6.08,-0.58,0,0.17
1GQE,CYS_128,12.61,0,-0.19,3.8
3CIV,HIS_188,6.61,-0.44,0.45,0.1
3ADO,HIS_161,5.69,-1.21,0,0.4
3KV0,ARG_184,12.28,-0.27,0,0.05
2O8P,GLU_168,3.47,0.9,-1.55,-0.39
4EF5,GLU_339,4,0.35,-0.32,-0.52
4ETX,ARG_312,12.19,-0.42,0,0.11
1O3X,GLU_275,4.4,0.23,-0.32,-0.01
3HUE,ARG_143,12.43,-0.27,0,0.2
2HNG,GLU_94,4.71,0.1,0,0.11
4ESS,GLU_87,4.49,0.29,0,-0.31
2V1L,CYS_73,9.77,0.0,29,0.48
1B86,GLU_104,3.92,0.52,-0.77,-0.33
3EJG,GLU_131,3.78,0.57,-0.75,-0.54
4E9E,ASP_521,3.82,0,-0.38,0.39
2QOP,GLU_72,4.68,0.15,0,0.03
1UOH,GLU_182,4.93,0.51,0,-0.08
2RGY,GLU_346,4.77,0.23,0,0.04
4FCU,ARG_9,11.87,-1.32,0,0.69
1PVT,ARG_220,12.42,-0.1,0,0.02
3LJC,GLU_34,4.34,0.1,0,-0.27
1HUF,GLU_124,4.76,0.25,0,0.01
3OOP,ARG_88,12.45,-0.05,0,0
2Z84,ASP_204,3.16,-0.84,-0.12,0.32
1RWZ,HIS_28,6.33,-1.29,0.85,0.27
2CXY,GLU_56,4.59,0.25,0,-0.16
1ILW,LYS_156,10.21,-0.6,0,0.32
3GVO,HIS_100,6.33,-0.17,0,0
2CW4,GLU_81,4.84,0.09,0,0.25
4EVF,LYS_282,10.48,-0.05,0,0.02
2R2Y,ARG_64,12.03,-0.3,0,-0.18
2W0G,LYS_260,11.56,-1.02,1.52,0.56
1X8F,GLU_126,4.73,0.18,0,0.04
1SIG,ASP_118,3.82,-0.02,-0.19,0.23
3M3P,ARG_38,12.5,-0.11,0,0.11
2J8A,TYR_253,11.1,0,0.18,0.91
3TIR,LYS_220,11.44,-0.23,0.85,0.32
3GFP,GLU_323,4.85,0.26,0,0.09
1R53,LYS_366,11.21,-0.53,0.85,0.38
3RRQ,ASP_48,3.92,0,-0.17,0.29
2Z84,CYS_53,7.77,-3.39,-0.37,2.53
1TUL,GLU_80,3.76,0.51,-0.57,-0.67
3UOV,ASP_48,2.38,-1.44,-0.68,0.7
1T95,GLU_46,4.71,0.16,0,0.06
3GOZ,CYS_233,11.97,-0.06,0.7,2.31
1CHD,ARG_197,12.69,-0.1,0,0.29
2FBQ,ARG_140,12.98,-0.61,0.61,0.47
2CE6,LYS_33,10.21,-0.29,0,0
2V5B,LYS_251,11.13,-0.23,0.11,0.75
1DUN,LYS_56,11.29,-0.63,0.85,0.57
3ANJ,LYS_146,9.51,-0.82,0,-0.16
2GEN,HIS_105,5.72,-0.51,0.01,-0.27
2HP7,ASP_128,4.1,0,0,0.3
2POL,ARG_87,11.49,-1.55,0,0.54
1JKS,GLU_32,4.02,0.59,-0.94,-0.15
3GS9,ARG_188,12.92,-0.25,0.37,0.31
3OIP,ARG_79,12.49,-0.05,0,0.04
3ANJ,ARG_247,11.29,-3.56,0.12,2.22
1RAJ,GLU_369,4.46,0.12,0,-0.16
2B0A,LYS_137,10.38,-0.24,0,0.11
3HUE,GLU_313,4.46,0.46,-0.11,-0.38
1SQH,ARG_178,12.03,-0.57,0,0.1
2XJ4,ARG_258,12.43,-0.15,0,0.07
1WYC,ASP_169,4.33,0.0,18,0.35
2P5D,LYS_57,9.62,-2.11,0.73,0.49
3F5D,LYS_132,10.24,-0.2,0,-0.05
3O48,CYS_79,11.2,-0.06,0.04,2.22
3D9H,ARG_234,13.24,-0.36,0.49,0.61
1DZF,ARG_26,13.72,-3.1,1.69,2.63
1A8Q,ASP_267,2.95,-1.49,-0.62,1.26
1NAF,CYS_256,10.58,-0.01,-0.04,1.63
3KV0,GLU_115,5.46,0.86,0,0.1
2CN1,ARG_233,13.44,-0.22,0.75,0.4
3FFM,CYS_38,10.42,-0.11,0.04,1.49
1U3Y,ASP_336,1.82,-2.18,-0.4,0.59
3M70,TYR_185,11.35,-0.21,0.05,1.51
2JEO,GLU_45,3.71,0.31,-0.72,-0.38
3RFF,GLU_96,4.26,0.2,-0.61,0.17
3M70,GLU_160,3.79,0.2,-0.52,-0.38
1DTO,TYR_167,11.59,0.15,0.41,1.04
2QOP,ARG_162,12.26,-0.24,0,0
1Z9L,CYS_53,9.15,0,-0.15,0.3
2E3S,TYR_466,11.7,0.16,0.38,1.16
1RAJ,ARG_376,11.25,-1.68,0,0.43
1WRU,ASP_251,3.68,-0.39,-0.08,0.35
2P4D,ARG_19,12.36,-0.11,0,-0.02
3N2T,GLU_92,4.35,0.14,-0.38,0.09
3GG6,CYS_67,9.38,-0.48,-0.18,1.04
1M5I,ARG_194,12.43,-0.24,0,0.16
2WB8,LYS_456,11.23,-0.56,0.53,0.76
2HRZ,GLU_321,4.25,0.45,-0.9,0.2
1WRU,LYS_308,10.12,-0.89,0,0.5
2Z61,LYS_29,11.34,-0.39,0.85,0.38
1FO9,GLU_373,4.65,0.18,0,-0.03
2B61,TYR_32,12.77,-0.59,0.49,2.86
2CXA,GLU_133,4.89,3.9,-3.37,-0.13
3DHN,LYS_100,12.2,-0.76,1.39,1.07
2D7U,GLU_108,4.84,0.3,-0.02,0.05
2F8H,ASP_78,2.65,-1.25,-0.45,0.55
1YIB,LYS_212,10.57,-0.16,0,0.22
2CE6,HIS_84,7.12,-0.31,0.85,0.08
3PM2,LYS_111,10.65,-0.21,0,0.36
3EST,GLU_141,3.4,0.35,-1.38,-0.07
2F8H,TYR_36,10.89,-0.6,0.07,1.41
1A8Q,HIS_252,3.05,-3.45,0,0
3GW3,TYR_342,11.54,0.2,0.6,0.73
2EJB,GLU_25,4.37,0.71,-0.63,-0.21
3M7G,ARG_93,12.58,-0.13,0,0.21
1XKR,GLU_72,3.45,0.48,-1.5,-0.03
3JZN,LYS_275,10.52,-0.24,0,0.26
1L2F,GLU_216,4.55,0.3,0,-0.25
1ZBM,TYR_252,13.58,0.41,3,1.17
2E3S,HIS_469,5.36,-1.84,0.29,0.4
3F53,TYR_75,10.46,0.0,16,0.29
3O7K,ARG_103,13,-0.27,0.76,0
4ESS,GLU_47,4.76,0.26,0,0
1XDZ,CYS_124,10.56,0.09,1,4.7
3RKV,GLU_263,3.12,-1.54,-1.16
2WB8,ASP_459,3.35,-0.21,-0.87,0.63
3FHF,ARG_71,12.76,-0.5,0.2,0.55
4FZR,HIS_291,3.86,-2.84,0.71,-0.51
1X7F,TYR_244,9.8,-0.66,-0.09,0.54
2FXT,ARG_404,11.92,-1.54,0.39,0.57
3KEY,GLU_369,3.97,0.67,-0.96,-0.24
3ETU,TYR_111,9.29,-0.85,-0.3,0.44
3ERF,TYR_213,11.91,0.0,0.2,1.89
1OIS,LYS_249,10.34,-0.16,0,0
3G6S,TYR_25,10.18,0,0,0.18
2PWQ,ASP_119,4.15,0.0,1.0,2.4
1AD6,LYS_420,11.07,-0.16,0.31,0.42
2PGX,ARG_214,11.72,-0.94,0,0.16
3M70,ASP_186,2.98,-1.4,-0.1,0.67
3I47,ARG_152,12.1,-0.62,0.0,2.3
1TUL,GLU_22,4.6,0.15,0,-0.04
2CBE,HIS_36,6.74,-0.18,0,0.42
2FXT,ARG_378,12.67,-0.31,0,0.48
1O59,ARG_254,12.82,-0.4,0.4,0.33
3P28,ARG_120,12.25,-0.25,0,0
1V43,HIS_304,6.28,-0.15,0,-0.07
3F7M,ASP_201,1.54,-2.65,-0.15,0.54
3M66,GLU_364,5.45,0.92,0,0.04
3NB1,ARG_107,12.44,-0.09,0,0.02
3IVF,LYS_7,10.31,-0.19,0,0.01
3HNX,HIS_65,6.26,-0.4,0,0.16
1FKM,HIS_321,6.61,-0.24,0,0.35
3GT0,LYS_3,11.23,-0.93,0.85,0.81
1TUL,GLU_32,4.74,0.24,0,0
3V1Q,TYR_586,10.15,-1,-0.16,1.31
4FLE,HIS_197,6.25,-0.25,0,0
1DCF,ARG_20,12.29,-0.44,0,0.24
15BX,CYS_186,11.31,-0.02,0.3,2.05
4ETX,ARG_311,12.74,-0.22,0.14,0.32
2EJB,ARG_78,12.32,-0.18,0,0
3M7G,GLU_183,4.58,0.08,0,0
2YYO,GLU_112,4.04,0.64,-0.73,-0.36
1F2V,ARG_116,12.23,-0.2,0,-0.07
2O8S,ASP_86,3.84,0,-0.09,0.13
3P28,HIS_151,5.08,-2.56,0.83,0.31
1O17,ARG_6,12.44,-0.29,0,0.22
1R9W,TYR_327,12.18,-0.12,0.2,2.3
1DCF,CYS_59,10.07,-0.44,0.19,1.32
3ZXY,ARG_18,11.6,-0.73,0,-0.16
3HQ6,ASP_4,3.43,-0.82,-0.11,0.56
2H85,GLU_304,3.94,0.29,-0.85,0
2EFK,HIS_272,6.24,-0.28,0.04,-0.01
1YR6,GLU_25,4.58,0.67,-0.54,-0.05
1SQW,TYR_172,10.8,0.0,27,0.52
1RSS,ASP_15,2.75,-2.58,-0.03,1.57
3O47,GLU_451,4.6,0.15,0,-0.05
3NBI,ARG_9,12.22,-0.28,0,0
2A4D,CYS_218,9.4,-0.22,-0.01,0.62
1XFK,ARG_119,10.93,-1.57,0,0
2AZL,ARG_91,11.93,-0.54,0,-0.04
2O8I,ARG_10,12.63,-0.32,0.21,0.24
2ROS,ASP_52,3.82,0,-0.22,0.24
2GAU,TYR_129,12.6,0.59,2.01
1KN3,GLU_31,4.65,0.15,0,0
1R3F,ARG_181,12.65,-1.52,0.51,1.16
1DZF,TYR_112,10.65,-0.02,0,0.68
1ZYL,GLU_312,4.54,0.29,0,-0.25
2HNG,HIS_46,6.87,-0.45,0.83,0
2AZP,HIS_90,4.98,-3.21,0.01,1.68
3GVO,HIS_165,4.62,-1.97,0,0.09
1X8F,ARG_63,10.76,-1.82,0,0.08
2B61,GLU_247,3.45,0.48,-1.64,0.12
2JEO,GLU_125,4.65,0.11,0,0.04
2P52,ARG_277,12.84,-0.22,0,0.56
2YYO,ARG_53,12.52,-0.25,0,0.26
1YLN,GLU_153,4.57,0.07,0,0
3O16,GLU_136,3.8,0.67,-1.08,-0.3
1GSZ,LYS_195,9.97,-0.25,0,-0.28
2ILR,GLU_299,4.1,0.46,-0.75,-0.12
1NRI,GLU_59,4.74,0.24,0,0
4E2B,ARG_47,12.53,-0.19,0,0.23
2D2S,ASP_728,3.99,0,-0.24,0.42
3IBT,ASP_47,2.41,-1.3,-0.64,0.55
2V4X,GLU_99,3.65,0.85,-0.85,-0.85
3HVW,GLU_233,4.64,0.28,0,-0.14
1SNT,GLU_10,4.6,0.98,-0.7,-0.18
1S7K,HIS_120,5.61,-0.9,0,0.02
3UXZ,ARG_31,12.87,-0.23,0,0.6
4DUD,ARG_47,12.75,-0.31,0.15,0.41
3T5B,GLU_348,4.78,0.15,0,0.13
4AE7,HIS_94,5.88,-0.51,0,-0.12
2ZCO,GLU_162,6.7,2.16,0,0.05
3EVP,ASP_86,3.11,-0.93,-0.05,0.29
3QAV,LYS_132,11.11,-0.22,0.43,0.4
1R2Z,TYR_215,11.31,0.0,32,0.99
3LD1,LYS_161,10.19,-0.71,0,0.4
2ZCX,CYS_87,10.38,-0.47,0.06,1.8
3UC9,CYS_181,10.76,-0.13,-0.06,1.96
3CIV,GLU_187,3.06,1.5,-1.9,-1.05
2CBE,LYS_261,10.67,-0.14,0,0.3
3AU3,LYS_560,10.29,-0.27,0,0.06
3OKQ,GLU_661,4.66,0.16,0,0
3A2Z,ASP_9,3.89,0,-0.29,0.38
3CSR,TYR_24,11.17,0.0,31,0.86
3GS3,GLU_69,4.61,0.11,0,0
2Q12,LYS_193,10.39,-0.13,0,0.02
3HQX,GLU_74,4.51,0.07,0,-0.06
2H85,LYS_344,10.45,-0.19,0,0.14
3FHF,GLU_40,5.08,3.18,-1.68,-0.9
3LJN,GLU_58,10.15,-0.45,0,0.1
1X8F,CYS_249,9.43,-0.02,0.14,0.31
3CGW,LYS_215,10.68,-0.23,0,0.41
2E0T,HIS_90,4.98,-1.4,0,-0.12
2AZL,LYS_214,10.46,-0.04,0,0
1BGF,ASP_65,3.27,-0.59,-0.34,0.4
2B8F,GLU_179,4.59,0.09,0,0
2P1W,ARG_148,12.34,-0.16,0,0
1YTD,ARG_235,11.6,-2.18,0,1.27
2HXB,ARG_122,12.31,-0.19,0,0
1DTO,HIS_18,6.16,-1.19,0.85,0
1SNT,CYS_196,13.56,0,1,3.57
1OIS,LYS_25,9.71,-0.67,0,-0.12
2OEW,ASP_16,3.4,-0.71,-0.21,0.52
3MTT,LYS_584,10.28,-0.44,0,0.22
1WYC,GLU_212,3.95,0.22,-0.79,0.02
1XIPHIS_381,7.15,-0.2,0.3,0.56
1BGF,ARG_113,12.07,-0.52,0,0.09
1T95,GLU_80,4.85,0.27,0,0.07
1JKS,GLU_118,4.29,0.44,0,-0.65
3O48,ARG_98,12.37,-0.2,0,0.07
2PPN,TYR_26,11.78,0.01,0.17,1.61
3HVW,ARG_253,12.36,-0.21,0,0.07
3I4T,GLU_199,5.12,0.46,0.03,0.13
3EUR,GLU_134,4.18,0.51,-0.83,0
3TIR,LYS_5,10.3,-0.2,0,0
2D7U,ASP_337,4.26,0.0,39,0.06
2RIK,ASP_5,3.64,-0.38,-0.37,0.6
3E0H,ARG_150,11.82,-0.83,0,0.15
3TRE,LYS_14,10.03,-0.61,0,0.14
1LZL,ARG_272,11.81,-0.95,0,0.26
3EVZ,ARG_217,12.46,-0.28,0,0.24
3H04,LYS_24,11.35,-0.39,0.79,0.44
2PIM,ARG_101,13.11,-0.49,0.61,0.49
2H2W,TYR_247,10.39,0,-0.08,0.47
2HNG,HIS_18,6.41,-0.3,0,0.2
2RIK,ARG_126,10.35,-0.15,0,0
3CRM,GLU_32,4.31,1.07,-0.35,-0.91
3CZC,ARG_67,12.3,-0.24,0,0.04
3ADO,GLU_38,4.87,0.28,0,0.09
3CCY,ASP_61,4.15,-0.17,-0.48,1
2R51,TYR_231,10.46,-0.07,-0.01,0.53
3NJM,ASP_37,4.11,-0.35,0.01,0.66
1A8Q,ASP_212,3.2,-0.96,-0.02,0.38
2WB8,LYS_726,10.18,-0.4,0,0.08
2C2Y,HIS_54,4.54,-1.7,0,-0.25
3GE9,ARG_209,11.87,-0.85,0,0.22
2RIS,GLU_64,4.85,0.55,0,-0.2
2FBI,ARG_80,13.44,-0.63,1.16,0.41
2ZCO,ASP_210,4.06,0,-0.07,0.33
1OGL,GLU_49,5.72,0.8,0,0.43
3ZXY,GLU_134,4.8,0.26,0,0.04
2FL7,ASP_188,3.68,-0.58,-0.05,0.52

1DUN,ASP_20,3.45,-0.85,-0.43,0.93
3EVP,HIS_130,6.25,-0.89,0.75,-0.13
1CBY,HIS_158,5.46,-1.15,0,0.1
3IU5,LYS_124,10.88,-0.43,0,1.072
2IDC,GLU_29,4.78,0.28,0,0
3GE9,TYR_81,9.87,-0.05,-0.51,0.44
4EVF,TYR_42,13.48,0.85,0.76,1.86
3LPZ,LYS_172,10.92,-0.24,0,0.66
3LD1,LYS_211,10.18,-0.43,0,0.11
1D7O,GLU_80,4.2,0.77,-0.74,-0.32
3ONT,HIS_72,7.18,-0.21,0.79,0.1
1UOH,GLU_187,4.87,1.12,-0.69,-0.07
1WRU,LYS_132,10.6,-0.12,0,0.22
1HF8,ASP_180,2.33,-1.58,-0.97,1.07
1U7U,LYS_215,10.51,-0.33,0,0.33
2QZQ,GLU_107,5.19,2.21,-0.85,-0.67
3EZ7,GLU_131,5.18,-1.32,0,0
4FH3,TYR_122,10.63,0.04,0.59
2IXM,ASP_89,2.89,-0.85,-0.44,0.38
2Z14,ARG_116,12.25,-0.25,0,0
2FC3,LYS_18,11.43,-0.41,0.85,0.48
3TRE,LYS_90,10.11,0.02,0.09
1YR6,LYS_175,10.48,-0.47,0,0.45
3UAH,LYS_456,10.73,-0.12,0,0.35
1ZCE,ASP_84,2.85,-1.34,-0.62,1.02
1R3F,GLU_97,4.6,0.38,0,-0.28
2B2H,CYS_283,12.64,0.004,3.61
3MIX,GLU_649,4.39,0.33,0,-0.46
3FRR,LYS_159,10.64,-0.14,0,0.27
2EJB,LYS_104,10.28,-0.12,0,-0.1
1ILW,ASP_162,3.85,0,-0.31,0.35
4DVD,GLU_26,4.03,1.35,-0.83,-1.01
1Z3X,ARG_65,10.59,-2.48,0,0.57
3P28,LYS_195,10.52,-0.19,0,0.11
3BWT,LYS_601,11.46,-0.35,0.85,0.56
3NR5,CYS_116,12.11,0,0.4,2.71
3IL3,LYS_185,10.44,-0.06,0,0
1H4U,LYS_409,10.6,-0.14,0,0.24
1ES9,GLU_5,3.89,0.15,-0.44,-0.33
2HP7,TYR_124,11.05,-0.48,-0.04,1.57
3FXH,GLU_16,3.152,-2.19,-0.83
2OB5,ARG_57,13.91,-0.59,1.51,0.5
3CS1,ARG_33,12.68,-0.98,0.63,0.52
2IA,ARG_67,12.75,-0.2,0.4,0.04
1TLV,GLU_152,7.51,2.98,0,0.03
3RLE,ARG_205,13.83,-0.2,1.47,0.06
2IDC,GLU_119,5.03,0.36,0,0.17
3H13,CYS_254,13.62,0.052,4.1
3IRA,HIS_51,6.12,-0.29,0,-0.09
2ZOM,ASP_149,4.94,0.09,1.05
1PNE,LYS_126,10.99,-0.65,0.46,0.67
4H86,TYR_14,10.12,-0.25,0.07,0.3
3EYE,ASP_43,3.28,-0.82,0,0.31
1TJE,ASP_15,2.57,-1.11,-0.33,0.21
1ZCE,LYS_108,11.15,-0.36,0.72,0.29
1RI6,ASP_35,4.01,0,-0.04,0.25
1TP6,ARG_100,13.01,-0.31,0.62,0.19
1A8Q,ARG_55,12.68,-1.7,0.6,1.28
3CRM,ASP_265,3.86,-0.03,-0.4,0.49
2FM9,ARG_204,12.37,-0.3,0,0.17
2GEN,ARG_144,12.39,-0.11,0,0
3LE4,ARG_331,12.35,-0.56,0.16,0.25
1Q5Z,LYS_520,11.48,-0.32,0.85,0.44
3GG6,TYR_44,9.11,-1.22,-0.34,0.66
1R7J,TYR_34,9.89,0,-0.36,0.26
1SJ8,ARG_624,12.52,-0.38,0,0.4
3OKQ,GLU_636,4.56,0.25,0,-0.18
2BT8,ASP_212,2.48,-2.19,0,0.88
2XJ4,GLU_226,4.81,0.35,0,-0.04
2EJX,ARG_62,12.97,-0.31,0.15,0.63
2QHT,GLU_69,5.22,0.69,0,0.04
3U2R,LYS_29,11.07,-0.23,0,0.81
1CBY,ASP_69,2.92,-1.32,-0.06,0.5
2O8P,LYS_103,9.98,-0.32,0,-0.2
2W0G,ASP_245,3.29,-0.79,0,0.28
1YM5,GLU_254,10.41,5.38,-0.84,1.37
3JZN,ARG_306,12.53,-0.09,0,0.11
1WNH,LYS_210,10.29,-0.25,0,0.04
1JYH,GLU_79,4.51,0.06,0,-0.05
1X91,LYS_50,10.4,-0.11,0,0.01
1PNE,LYS_107,10.55,-0.18,0,0.24
3BWT,ARG_858,12.86,-0.44,0.38,0.42
2PGE,ASP_102,3.55,-0.73,-0.47,0.95
2WB8,HIS_737,7.63,-1.22,1.55,0.8
1R53,GLU_128,4.79,0.79,-0.14,-0.36
2FM9,TYR_186,13.79,0.35,0.86,2.58
1WXQ,LYS_161,10.35,-0.14,0,-0.01
3ON1,LYS_55,10.34,-0.21,0,0.05
2VAN,GLU_295,5.075,0,-0.25
3KB5,GLU_387,4.55,0.19,0,-0.14
3ASA,TYR_14,9.09,-0.82,-0.33,0.25
3N2I,LYS_286,10.11,-0.14,0,-0.25
2ZTY,ARG_39,13.44,-0.51,0.76,0.69
1R53,ASP_273,4.1,0,-0.01,0.31
2BLL,ASP_529,4.06,0,0.26
2V5B,LYS_177,10.25,-0.44,0,0.19
1ZCU,LYS_26,10.2,-0.57,0,0.27
3Q1C,ARG_72,12.03,-0.37,0,-0.1
1RLO,ASP_197,3.91,0,-0.04,0.16
1O3X,LYS_295,10.19,-0.25,0,-0.05
3HVM,LYS_243,11.22,-0.57,0.54,0.75
1MU,ARG_115,13.01,-1.29,0.7,1.1
3O16,GLU_76,3.85,0.36,-0.53,-0.48
2O8P,ASP_111,3.32,-0.43,-0.39,0.34
3RKV,LYS_205,10.66,-0.09,0,0.25
1RI5,TYR_169,10.13,-0.05,-0.4,0.59
2QZQ,ASP_71,3.53,-0.85,-0.48,1.05
2F4Q,ARG_4,11.12,-2.72,0,1.33
1NFN,LYS_157,10.83,-0.16,0.04,0.45
4FLE,GLU_50,4.77,0.25,0,0.02
2E3C,CYS_354,11.02,-0.23,0.09,2.16
3I47,ARG_229,12.35,-0.15,0,0
1P4X,LYS_27,10.38,-0.12,0,0
1AD6,LYS_524,11.17,-0.26,0.71,0.23
3TIR,ASP_224,2.83,-0.85,-0.51,0.39
3CS1,GLU_61,4.74,0.14,0,0.09
1X1E,ARG_3,13.9,-1.03,1.36,1.08
3CAX,ARG_374,12.47,-0.27,0,0.24
3EVP,GLU_175,4.84,1.02,-0.79,0.11
2XMZ,ARG_134,11.57,-1.47,0.39,0.16
3B79,TYR_16,10.76,0,0.1,0.66
2Q5X,ASP_732,3.06,-0.76,-0.27,0.28
3UX2,ASP_49,1.85,-2.42,-0.3,0.77
2I88,LYS_436,10.39,-0.11,0,0
3RNV,TYR_429,10.34,0,0,0.34
1YOY,LYS_157,10.69,-0.22,0,0.41
1ZKZ,TYR_99,10.54,0.02,0.52
3BCY,GLU_40,3.51,0.16,-0.84,-0.32
3HVV,ASP_183,3.53,-0.85,-0.37,0.95
3HYQ,ARG_51,11.91,-1.44,0.05,0.79
3A2Z,ARG_144,13.11,-0.55,0.84,0.32
1OGL,ARG_161,12.62,-0.4,0.04,0.48
3BWT,GLU_791,3.98,0.45,-0.54,-0.42
2H2W,LYS_174,11.35,-0.35,0.6,0.6
1XDZ,GLU_110,4.63,0.38,0,-0.25
3M7D,ASP_178,3.93,0,0,0.13
2CWC,ARG_7,13.12,-0.15,0.36,0.41
1NAR,HIS_217,5.88,-0.34,0,-0.28
2BAA,ASP_224,3.45,-0.8,-0.18,0.63
1YIB,ARG_214,13.66,-0.24,0.81,0.58
4FLE,LYS_59,11.19,-0.29,0.5,0.48
1TXJ,LYS_5,11.79,-0.5,0.85,0.94
2HTZ,CYS_128,12.56,0.039,3.17
2Y2T,ARG_39,12.34,-0.27,0,0.11
3LPZ,ARG_37,12.3,-0.23,0,0.04
4EUG,ASP_219,3.93,-0.6,0,0.73
1MML,HIS_204,5.18,-1.11,0,-0.21
3H04,GLU_205,4.81,0.37,0,-0.06
3I4T,LYS_100,10.33,-0.12,0,-0.05
2QV2,TYR_249,10.76,-0.71,0.21,1.26
2E3C,ASP_256,3.66,-0.11,-0.45,0.42
3HUE,ARG_307,12.19,-0.38,0,0.07
1L2H,LYS_109,9.52,-1.32,0,0.35
1NIJ,CYS_98,12.31,-0.13,-0.04,3.47
1Q8B,GLU_91,4.62,0.12,0,0
1X7F,HIS_269,4.92,-2.62,0.81,0.22
2NYC,ASP_278,3.75,-0.77,-0.03,0.76
3IDW,ASP_27,4.21,0,-0.01,0.43
3DSH,GLU_450,4.73,0.21,0,0.02
3UC9,ARG_110,11.7,-0.8,0.0
2PWQ,ASP_23,4.2,-0.6,-0.19,1.18
3H6Q,ARG_50,12.19,-0.43,0,0.13
2QRX,GLU_20,3.12,0.57,-1.29,-0.66
2H85,LYS_34,11.32,-0.25,0.69,0.38
2H2Z,LYS_12,10.98,-0.27,0.43,0.32
1MTZ,ARG_184,11.97,-1.24,0,0.71
3F6M,ARG_26,12.28,-0.22,0,0
2PGX,HIS_41,6.3,-1.32,0.76,0.37
1X04,ARG_130,12.72,-0.24,0.23,0.22
1AD6,TYR_498,10.95,-0.44,0.68,0.73
2XMZ,GLU_252,5.01,0.32,0,0.19
2R0S,LYS_291,10.36,-0.16,0,0.02
2V5B,LYS_240,10.51,-0.17,0,0.18
2EJB,TYR_82,12.59,0.51,0.22,1.85
3ELI,GLU_129,4.73,0.28,0,-0.05
1X8F,TYR_41,13.35,-0.59,0.32,3.62
3OQZ,GLU_209,4.02,0.16,-0.6,-0.03
1CX1,TYR_19,10.36,0.0,15.0,21
1OIS,GLU_193,4.77,0.24,0,0.03
3H6Q,GLU_68,4.68,2.17,-1.43,-0.57
1X1E,ARG_28,12.23,-0.27,0,0
1RI6,GLU_315,4.85,0.35,0,-6.94E-18
2BLL,GLU_633,4.45,0.18,0,-0.23
2ABL,ARG_71,12.27,-0.25,0,0.02
2AZL,LYS_122,4.42,0.22,0,-0.3
3EIZ,ARG_87,13.19,-0.41,0.69,0.4
1QYI,HIS_380,7.16,-0.2,0.46,0.4
2G9D,ASP_79,4.3,-0.34,-0.39,1.22
1AD6,ARG_451,12.85,-0.77,0.69,0.43
3RFF,TYR_97,10.27,0,0.07,0.2
1TXJ,GLU_154,2.06,0.64,-2.07,-1.02
1DVO,GLU_147,5.07,0.27,0,0.29
1UAJ,LYS_210,11.99,-0.82,1.55,0.77
1H4U,ARG_438,12.41,-0.88,0.34,0.45
3BQE,HIS_350,5.43,-2.12,0.76,0.29
1TJE,ASP_99,3.89,0,-0.03,0.12
2OB5,ASP_36,3.82,0,-0.25,0.27
4ECC,ASP_184,4.1,0,0.3
1YW5,ARG_109,13.07,-0.31,0.52,0.36
2GEN,GLU_145,4.56,0.06,0,0
3NJM,GLU_18,4.7,0.2,0,0
1XWM,GLU_24,6.28,2.16,-0.47,0.08
2H2W,LYS_19,11.6,-1.02,0,0.13
3SMD,GLU_106,4.11,0.73,-0.22,-0.89
3RLE,GLU_175,3.87,0.35,-0.69,-0.28
3ERF,TYR_146,9.51,-0.82,0.01,0.32
1ZP2,TYR_223,10.39,0.23,0.16
4GCO,ASP_207,3.58,-0.56,-0.07,0.41
1WYC,ASP_298,2.5,-0.98,-0.75,0.44
2CXI,LYS_90,10.09,-0.41,0,0
3SMD,GLU_68,4.48,0.54,-0.31,-0.25
1MML,ARG_110,12.29,-0.21,0,0
2CBE,ARG_27,11.35,-1.66,0,0.51
3LMF,GLU_79,4.66,0.13,0,0.03
2NRK,GLU_35,3.97,1.17,-0.71,-0.98
2VGM,LYS_183,10.45,-0.05,0,0
1XWM,GLU_57,4.89,0.13,0,0.26
1ATO,ARG_358,12.31,-0.5,0,0.31
2YLF,GLU_143,3.57,0.17,-1.1,0
1PDB,GLU_101,4.71,0.29,0,-0.07
1GQE,TYR_123,12.28,0.19,0.86,1.22
1ES9,ARG_149,11.63,-1.01,0,0.15
3DB9,ARG_159,12.28,-0.23,0,0.01
2R5B,ARG_250,10.86,-2.33,0.14,0.55
4DVD,LYS_180,10.41,-0.33,0,0.24
3QKY,LYS_169,10.2,-0.41,0,0.11
1TXJ,GLU_168,4.57,0.56,-0.17,-0.32
2QK1,ASP_411,3.95,0,-0.01,0.17
3BZT,ARG_276,3.64,0.45,-0.85,-0.46
1NIJ,TYR_151,13.49,0.58,2.92
3FRR,TYR_43,9.01,-0.85,-0.62,0.49
3ETV,CYS_269,12.77,-0.08,0.28,3.56
3RAZ,GLU_24,4.41,0.3,-0.14,-0.25
3A7L,ASP_117,3.1,-0.88,-0.16,0.35
2EDM,LYS_157,10.51,-0.3,0,0.31
2R5B,ARG_118,12.68,-0.15,0,0.34
3OA7,CYS_470,9.84,0,0.16,0.69
3BCY,GLU_113,4.52,0.15,0,-0.13
3GS3,GLU_217,4.61,0.11,0,0
1XAW,LYS_455,10.59,-0.1,0,0.19
2PGE,ASP_67,3.28,-0.85,-0.12,0.45
2X4L,LYS_99,10.45,-0.05,0,0
2INO,ARG_92,13.37,-0.3,0.66,0.51
3KB5,LYS_398,10.42,-0.08,0,0
3B7H,ASP_66,3.87,-0.1,-0.08,0.25
1WLY,ARG_87,12.7,-1.19,0.55,0.84
2FC3,ARG_112,12.57,-0.32,0,0.38
2F9F,GLU_41,4.18,1.22,-1.15,-0.39
1Q5Z,HIS_538,6.34,-0.2,0,0.04
2H2W,HIS_133,6.22,-0.28,0.06,-0.05
3V55,LYS_679,11.38,-0.18,0.39,0.67
1RAJ,LYS_375,11.08,-0.32,0.44,0.46
2X5Y,TYR_833,11.45,0.13,0.57,0.75
1EVB,ASP_66,3.42,-0.88,0,0.45
1JB3,ARG_115,12.62,-0.08,0,0.21
2JEO,LYS_108,10.53,-0.12,0,0.15
2CXI,CYS_101,8.93,-0.91,0.03,0.82
2V5B,ARG_100,10.65,-2.61,0,0.76
3L3P,HIS_275,6.61,-0.31,0,0.42
3ETU,TYR_203,12.0,0.46,1.54
1ZP2,LYS_37,10.43,-0.29,0,0.22
1HF8,ASP_260,3.21,-0.78,-0.04,0.23
4GCO,GLU_141,4.99,0.16,0.2,0.13
2GQV,TYR_46,10.49,-0.17,0.0,66
1J33,ASP_93,2.93,-0.68,-0.56,0.37
1PBV,GLU_120,4.61,0.09,0,0.02
4H89,ARG_98,12.2,-0.49,0,0.19
3O7K,GLU_143,3.41,0.34,-1.16,-0.26
3RUX,GLU_75,4.54,0.12,0,-0.08
1BKB,ASP_89,3.94,0,0,0.14
2Q99,ASP_127,3.15,-0.64,-0.31,0.29
1MJS,ASP_261,3.88,0,-0.24,0.33
2EEY,GLU_22,4.6,0.08,0,0.02
3V55,ASP_629,4.54,0.03,0.71
1RZZ,ARG_164,11.91,-0.98,0,0.39
1D7O,CYS_11,11.22,-0.04,0.27,1.99

2P65, TYR_95, 9.73, -0.49, 0.07, 0.15
 2QK1, LYS_425, 10.18, -0.3, 0, -0.02
 3C5V, CYS_312, 10.84, -0.09, -0.23, 2.16
 3BCH, LYS_42, 9.98, -0.2, 0, -0.32
 3ADO, GLU_47, 3.38, 0.2, -0.76, -0.56
 2QOP, HIS_147, 6.34, -0.4, 0.05, 0.19
 1ZYL, ARG_49, 12.48, -0.11, 0, 0.09
 4DVD, GLU_41, 4.53, 0.03, 0, 0
 3IRA, GLU_1, 4.63, 0.13, 0, 0
 2QK1, ARG_423, 12.57, -1.37, 0.85, 0.59
 1JKS, LYS_167, 11.51, -0.54, 0.85, 0.7
 1MUF, GLU_272, 4.67, 0.1, 0, 0.07
 2FBQ, LYS_49, 9.61, -0.93, 0, 0.04
 2E3S, GLU_398, 4.53, 0.27, 0, -0.24
 4AM1, ARG_229, 13.59, -2.47, 0.07, 3.49
 2Q99, ASP_238, 3.78, 0, -0.26, 0.24
 1GXN, TYR_428, 11.8, 0, 0.38, 1.42
 2R2Y, ARG_122, 13.49, -0.3, 0.66, 0.63
 3MTT, TYR_449, 9.4, -0.87, 0, 0.26
 1IAP, HIS_192, 6.39, -0.2, 0, 0.09
 3G9T, GLU_92, 4.41, 1.57, -0.79, -0.87
 2Q13, TYR_340, 9.93, -0.1, -0.42, 0.44
 1PSW, TYR_140, 10.39, -0.05, -0.33, 1.31
 1ILW, GLU_3, 3.36, 0.27, -0.71, -0.71
 1PVT, HIS_87, 6.81, -0.36, 0.59, 0.08
 1EDG, HIS_87, 3.41, -3.39, 0.47, -0.17
 4GA2, ASP_7, 1.65, -2.01, -0.51, 0.37
 3RE9, GLU_98, 2.78, 0.97, -2.1, -0.58
 3K8U, GLU_125, 4.64, 0.14, 0, 0
 1J33, GLU_106, 3.81, 0.18, -0.62, -0.24
 3ODJ, TYR_36, 10.26, -0.07, 0.12, 0.21
 1PSW, GLU_321, 4.54, 0.04, 0, 0
 1XKR, LYS_190, 11.25, -0.66, 0.46, 0.93
 3EJG, ASP_153, 3.12, -0.84, -0.03, 0.19
 1MUF, ASP_136, 4.0, 0, 0, 0
 1L3K, LYS_106, 10.53, -0.33, 0, 0.36
 1BKB, LYS_138, 10.15, -0.14, 0, -0.2
 3NR5, ARG_28, 13, -0.64, 0.52, 0.62
 2ZTY, LYS_133, 10.69, -0.22, 0, 0.41
 2PLQ, CYS_91, 12.28, -0.03, -0.04, 3.34
 1RAJ, TYR_454, 13.05, 0.85, 1.08, 1.12
 3P28, HIS_192, 7.09, -1.25, 1.69, 0.14
 3MIX, GLU_607, 3.89, 0.18, -0.76, -0.02
 1LPL, LYS_190, 10.2, -0.15, 0, -0.14
 1WRU, ASP_44, 2.81, -1.16, -0.22, 0.39
 3IPZ, LYS_169, 10.76, -0.15, 0.02, 0.38
 3FRF, ARG_51, 13, -0.27, 0.5, 0.27
 2F4Q, GLU_317, 4.44, 0.26, 0, -0.32
 3E7P, TYR_247, 10.24, 0, 0, 0.24
 1P4X, ASP_241, 3.76, -0.01, -0.15, 0.13
 1Q5Z, ARG_633, 12.29, -0.21, 0, 0
 1RHS, HIS_138, 6, -0.79, 0.08, 0.21
 3ZTA, GLU_32, 5.12, 0.72, 0, -0.11
 2ZOW, ARG_79, 12.37, -0.13, 0, 0
 2V4U, ARG_465, 12.19, -0.44, 0, 0.13
 2FL4, GLU_46, 4.06, 0.44, -0.67, -0.21
 3BPAP, ASP_42, 3.13, -0.96, -0.43, 0.71
 4DND, HIS_105, 6.47, -0.26, 0, 0.23
 2IRM, ASP_17, 4.05, 0.07, 0, 0.19
 2H14, TYR_260, 9.83, -0.71, 0.08, 0.47
 3EVN, LYS_206, 10.46, -0.04, 0, 0
 1LZL, ARG_174, 12.99, -1.07, 0.5, 1.06
 3V55, ASP_517, 4.02, 0, -0.21, 0.42
 2IQT, GLU_149, 3.95, 0.23, -0.52, -0.58
 1O59, LYS_284, 10.18, -0.09, 0, 0.28
 1X6J, HIS_61, 6.45, -0.14, 0.09, 0
 2X4J, GLU_41, 3.64, 0.5, -0.85, -0.51
 1LPL, GLU_165, 4.68, 0.42, 0, -0.25
 1UCH, CYS_50, 12.32, -0.06, -0.38, 3.75
 2H85, GLU_201, 5.03, 0.17, 0, 0.37
 2B78, TYR_73, 11.95, 0, 0, 1.95
 2IXM, ASP_175, 3.56, -0.3, -0.26, 0.32
 2WOZ, GLU_411, 4.39, 0.15, 0, -0.27
 2NRR, HIS_469, 6.26, -0.24, 0, 0
 1MUF, TYR_211, 12.48, -0.01, -0.16, 2.64
 3ZTA, GLU_96, 4.63, 0.22, 0, -0.1
 3GE9, GLU_66, 4.4, 0.16, 0, -0.27
 3EIZ, LYS_174, 10.31, -0.19, 0, 0
 3BB7, LYS_147, 10.71, -0.09, 0, 0.29
 3GA2, ARG_230, 12.04, -0.55, 0, 0.1
 1BN6, HIS_125, 4.08, -1.73, 0, -0.68
 2O8P, ARG_17, 12.15, -0.38, 0, 0.03
 2AH5, LYS_201, 10.45, -0.11, 0, 0.05
 2G3A, ARG_136, 12.75, -0.25, 0.14, 0.36
 4EZB, LYS_269, 10.65, -0.11, 0, 0.26
 2IXM, GLU_246, 3.66, 0.27, -0.79, -0.31
 3T5B, HIS_346, 6.62, -0.4, 0.02, 0.5
 2APL, LYS_6, 10.43, -0.07, 0, 0
 3EGN, ARG_458, 12.65, -0.11, 0, 0.26
 3F5D, HIS_35, 5.81, -0.79, 0, 0.1
 2HRZ, GLU_74, 4.12, 0.35, -0.74, 0.02
 2ZCO, ASP_228, 4.14, 0.0, 0.09, 0.26
 1L2F, GLU_69, 4.79, 0.14, 0, 0.15
 2Q12, LYS_91, 10.57, -0.11, 0, 0.18
 1ZBM, ARG_96, 12.56, -0.3, 0, 0.36
 3H8Y, ARG_51, 12.31, -0.96, 0.39, 0.38
 1P4X, TYR_62, 12.95, 0.13, 2.81
 1SJ8, GLU_586, 4.79, 0.39, 0, -0.1
 2FB6, TYR_104, 11.85, 0.4, 0.37, 1.08
 2X4L, LYS_197, 10.44, -0.06, 0, 0
 3C6B, ASP_138, 3.44, -0.84, 0.06, 0.42
 2H8O, HIS_118, 1.81, -2.51, 0.3, -2.46
 1JKS, ARG_53, 12.3, -0.2, 0, 0
 4DIU, HIS_222, 6.1, -2.55, 0.85, 1.3
 3EVZ, HIS_91, 4.22, -2, 0, -0.27
 1JB3, HIS_33, 6.37, -0.14, 0, 0.01
 1RI6, GLU_309, 4.58, 0.07, 0, 0.01
 1SIG, GLU_155, 4.8, 0.35, 0, -0.05
 1TLV, LYS_123, 11.33, -0.46, 0.85, 0.44
 2EYI, ARG_60, 12.55, -0.4, 0, 0.46
 2OJQ, ASP_518, 3.84, 0, -0.13, 0.17
 1WPS, GLU_241, 3.21, 0.76, -1.55, -0.49
 2G7O, LYS_76, 10.42, -0.08, 0, 0
 3U0V, GLU_212, 4.14, 0.48, -0.85, 0.01
 1R53, ARG_224, 11.71, -1.4, 0.19, 0.42
 3EJC, CYS_114, 10.77, 0.08, 1.69
 3JV1, ARG_64, 12.43, -0.3, 0, 0.23
 1FHL, LYS_23, 10.37, -0.41, 0, 0.28
 4ECC, HIS_228, 6.47, -0.25, 0, 0.21
 3NJM, LYS_98, 10.62, -0.13, 0, 0.25
 3JSN, GLU_163, 4.85, 2.27, -1.44, -0.47
 1QQL, ARG_14, 12.07, -0.61, 0, 0.17
 1OXZ, GLU_188, 4.61, 0.34, -0.29, 0.06
 3KV0, GLU_43, 4.74, 0.17, 0, 0.08
 3NBI, ASP_63, 4.69, 0, 0.23, 0.67
 2A4D, LYS_209, 10.37, -0.13, 0, 0
 3FK5, HIS_293, 4.37, -1.65, 0, -0.47
 1V43, LYS_191, 10.57, -0.28, 0, 0.36
 2GAU, ARG_208, 12.39, -0.09, 0, -0.03
 2PPN, HIS_87, 6.25, -0.25, 0, 0
 2FG1, CYS_103, 11.55, -0.33, 0.14, 2.74
 3CRM, GLU_112, 4.5, 0.27, 0, -0.27
 2P65, GLU_163, 3.5, 0.64, -1.09, -0.54
 3O16, ASP_192, 3.94, 0, -0.07, 0.21
 2YX0, ARG_338, 13.11, -1.76, 1.27, 1.1
 1JT9, HIS_143, 6.52, -1.26, 0.88, 0.4
 3EVN, TYR_50, 11, 0.23, 0.3, 0.46
 2JHY, TYR_110, 12.21, 0, 0.38, 1.83
 3ZRI, HIS_4, 7.03, -0.23, 0.76, 0
 4EZB, CYS_258, 8.75, -0.89, -0.04, 0.68
 2CIU, ASP_105, 2.95, -1.34, -0.37, 0.85
 2NMU, CYS_105, 10.49, -0.84, 0.23, 2.1
 4F85, ASP_154, 3.77, -0.49, 0.06, 0.39
 3I4T, GLU_203, 4.53, 0.35, -0.03, -0.29
 4F8A, ASP_606, 3.31, -0.84, 0, 0.34
 3Q6L, LYS_113, 11.29, -0.3, 0.54, 0.56
 3HKX, ARG_31, 12.39, -0.27, 0, 0.15
 4DBX, LYS_11, 10.32, -0.25, 0, 0.07
 1RKA, ARG_244, 12.44, -0.06, 0, 0
 2IN0, ARG_416, 11.76, -0.79, 0, 0.05
 1TLV, LYS_58, 10.38, -0.12, 0, 0
 3K8J, HIS_253, 6.55, -0.21, 0, 0.25
 2HRZ, ARG_185, 13.19, -2.36, 1.6, 1.45
 2FPN, GLU_179, 4.48, 0.34, -0.36, 0
 2V81, ARG_78, 12.46, -0.04, 0, 0
 1AT0, ASP_359, 2.34, -1.54, -0.37, 0.44
 1SFE, ASP_153, 2.32, -1.61, -0.38, 0.52
 2FXT, ASP_309, 4.32, 0, -0.13, 0.66
 2H2Z, ARG_188, 12.19, -0.34, 0, 0.04
 1XTD, HIS_62, 6.43, -0.07, 0, 0
 2FBQ, LYS_70, 10.45, -0.07, 0, 0.02
 3O7K, HIS_139, 6.97, -0.69, 0.73, 0.43
 2D7J, CYS_79, 8.97, -1.78, -0.87, 2.62
 1A8Q, LYS_209, 11.48, -0.28, 0.85, 0.41
 1PVT, LYS_18, 11.32, -0.57, 0.85, 0.54
 1M5I, ARG_230, 12.4, -0.11, 0, 0.01
 1ZP2, CYS_92, 9.09, -0.07, -0.34, 0.52
 2D59, LYS_43, 10.6, -0.14, 0, 0.24
 2OBS, TYR_125, 10.66, 0, 0.24, 0.42
 2IQT, ASP_218, 3.91, -0.03, -0.22, 0.37
 2BV9, LYS_260, 10.59, -0.23, 0, 0.31
 1SI7, ARG_119, 12.51, -0.14, 0, 0.15
 3ILC, GLU_129, 4.22, 0.54, -0.79, -0.03
 4ANN, GLU_203, 4.8, 0.27, 0, 0.02
 2P4D, ARG_149, 10.78, -1.81, 0, 0.09
 3AU3, TYR_500, 10.67, 0.15, 0.24, 0.28
 1NJ4, LYS_270, 10.29, -0.21, 0, 0
 3NBI, ASP_160, 3.81, 0, -0.17, 0.18
 2Q07, LYS_374, 10.64, -0.06, 0, 0.2
 1KN3, TYR_181, 11.69, 0.15, 1.54
 2OJQ, TYR_513, 10.31, -0.05, -0.06, 0.42
 2H14, GLU_313, 3.6, 0.26, -0.63, -0.53
 3CAX, LYS_416, 11.23, -1.11, 0.85, 0.99
 2A1V, LYS_88, 10.25, -0.25, 0, 0
 1WNH, GLU_118, 4.42, 0.18, 0, -0.26
 3P28, ARG_32, 11.85, -0.51, 0, -0.15
 1SI7, LYS_154, 10.45, -0.16, 0, 0.11
 1GSZ, TYR_101, 10.57, 0, -0.07, 0.64
 3GT0, CYS_10, 10.46, -0.59, 0.39, 1.66
 1PNE, LYS_25, 10.31, -0.24, 0, 0.06
 2QV2, ARG_171, 12.44, -0.06, 0, 0
 3GG6, GLU_103, 3.23, 0.96, -1.57, -0.66
 2PGX, TYR_222, 10.23, 0, 0.16, 0.07
 1MML, ARG_241, 12.36, -0.37, 0, 0.23
 2G3A, GLU_87, 3.95, 0.14, -0.39, -0.29
 2H85, LYS_316, 10.37, -0.23, 0, 0.1
 2OJQ, GLU_665, 4.56, 0.79, -0.67, -0.06
 3C5V, GLU_213, 3.53, 0.41, -0.85, -0.53
 1J85, ARG_45, 11.98, -0.91, 0.05, 0.34
 3IVF, ARG_91, 12.41, -0.29, 0, 0.2
 1YMS, GLU_93, 3.59, 1.48, -1.7, -0.69
 3LH5, ASP_731, 2.64, -1.99, -0.01, 0.85
 3RLN, GLU_715, 5.32, 0.85, 0, -0.03
 1OGL, ASP_140, 3.88, 0, -0.05, 0.13
 3C5V, CYS_238, 9.37, -0.18, -0.05, 0.59
 1K95, LYS_108, 10.75, -0.14, 0, 0.4
 1SQH, ARG_32, 12.42, -0.46, 0, 0.39
 3UC9, LYS_96, 10.5, -0.23, 0, 0.23
 2H2W, ASP_244, 3.84, -0.65, -0.42, 1.11
 3M3P, ARG_221, 12.76, -1.18, 0.76, 0.67
 1PZC, TYR_22, 10.93, 0, 0.17, 0.75
 4GCC, GLU_146, 3.98, 0.74, -0.85, -0.41
 2OPJ, CYS_220, 9.5, -0.89, -0.1, 1.48
 1X7F, TYR_278, 10.06, 0, -0.11, 0.17
 1ZBP, LYS_133, 10.41, -0.41, 0, 0.33
 1UW7, ARG_99, 12.65, -0.34, 0.03, 0.45
 1X7F, ARG_3, 11.64, -1.18, 0, 0.33
 2H2Z, ASP_229, 3.61, -0.27, -0.18, 0.26
 3GV0, ARG_315, 12.12, -0.5, 0, 0.12
 4DBX, GLU_274, 4.88, 2.29, -0.75, -1.17
 1DIO, TYR_19, 10.4, -0.85, 0.07, 1.18
 1L2F, LYS_209, 10.31, -0.45, 0, 0.25
 3IL3, ARG_315, 12.99, -0.68, 0.57, 0.61
 2Z0M, TYR_324, 10.35, -0.11, 0.25
 1T95, ARG_83, 12.27, -0.36, 0, 0.14
 2Z84, LYS_183, 10.67, -0.09, 0, 0.25
 2YT4, ASP_636, 3.92, 0, 0, 0.12
 1MN3, LYS_436, 10.46, -0.05, 0, 0
 3H13, ARG_315, 11.76, -0.86, 0, 0.13
 2R4Q, TYR_273, 10.88, 0.28, 0.38, 0.21
 3P2F, ASP_180, 3.57, -0.81, -0.64, 1.21
 1J33, GLU_229, 8.72, 5.05, -1.1, 0.28
 3L7N, GLU_64, 4.19, 0.39, -0.7, 0
 1AKO, GLU_239, 4.72, 0.25, 0, -0.02
 2GAU, LYS_215, 10.44, -0.23, 0, 0.16
 1JT9, TYR_324, 10.49, -0.3, 0, 0.29
 3M70, LYS_36, 10.77, -0.27, 0.06, 0.48
 2BOJ, GLU_140, 4.5, 0.17, 0, -0.17
 3K8U, LYS_92, 10.47, -0.03, 0, 0
 2RGY, GLU_342, 4.62, 0.12, 0, 0
 2O0K, HIS_37, 7.23, -0.5, 0.86, 0.36
 2I88, LYS_382, 10.41, -0.23, 0.14
 3N2T, GLU_113, 3.77, 0.42, -0.8, -0.36
 3G59, GLU_16, 5.06, 0.49, 0, 0.07
 2Q07, LYS_417, 10.4, -0.1, 0, 0
 2Z0M, GLU_173, 4.12, 0.43, -0.74, -0.08
 1RAJ, ASP_459, 4.03, 0.02, 0.2, 1
 3F1X, TYR_138, 10.39, 0.18, 0.2
 1EV8, ARG_21, 12.42, -0.21, 0, 0.13
 1JT9, HIS_222, 6.24, -0.26, 0, 0
 3A7L, GLU_14, 8.29, 4.42, -0.79, 0.16
 3CBN, ARG_126, 13.18, -0.32, 0.25, 0.77
 1YB2, ASP_13, 3.1, -0.6, -0.51, 0.41
 3H9W, GLU_28, 11.12, -0.29, 0.33, 0.59
 3LJC, ASP_45, 3.81, 0, -0.17, 0.18
 3HUE, LYS_99, 10.57, -0.12, 0, 0.19
 2FXT, TYR_377, 10.64, 0, -0.15, 0.79
 3JZN, CYS_330, 11.68, 0, 0.2, 68
 3PU6, TYR_84, 10.13, 0, 0.03, 13
 3PU6, ARG_50, 13.07, -0.31, 0.49, 0.39
 4EKU, LYS_42, 10.27, -0.3, 0, 0.07
 3FHF, LYS_165, 10.36, -0.1, 0, -0.05
 2AZL, ARG_44, 10.86, -2.74, 0, 1.1
 1G8P, GLU_86, 4.02, 0.25, -0.73, 0
 1Z3X, ARG_162, 11.65, -0.69, 0, -0.16
 3F5D, GLU_18, 6.72, 3.33, -1.14, 0.04
 1MUF, CYS_288, 10.14, 0.04, 1, 1
 1CBY, TYR_168, 11.22, 0.039, 0.82
 4FD6, GLU_212, 4.43, 0.17, 0, -0.23
 1LTU, GLU_124, 2.89, 0.73, -1.38, -0.97
 1UCH, CYS_209, 12.5, -0.07, 0.09, 3.47
 1L2H, ARG_98, 13.34, -0.68, 0.63, 0.89
 1OIS, GLU_262, 4.69, 0.19, 0, 0
 1R53, GLU_204, 4.068, -0.81, -0.35
 3ADO, GLU_300, 4.69, 0.15, 0, 0.05
 1SI7, ARG_191, 12.54, -0.54, 0.25, 0.33

1XDZ,GLU_194,4.76,0.22,0.0,0.05
3LJI,CYS_109,10.02,-0.01,-0.03,1.05
1Z3X,GLU_111,4.77,0.47,0,-0.2
3E5T,GLU_86,3.94,0.5,-0.74,-0.32
2F4Q,TYR_12,12.3,-0.65,0.32,2.64
2EEY,LYS_67,10.29,-0.18,0,-0.03
1JYH,GLU_147,5.28,1.18,-0.55,0.15
1O6D,GLU_23,5.55,1.41,0,-0.35
3IL3,ARG_288,13.06,-1.0,78,0.78
2W0G,ARG_167,12.73,-0.12,0,0.35
2ZCX,ASP_30,3.98,-0.05,-0.34,0.58
2YWK,GLU_24,4.63,0.11,0,0.02
2BDV,ARG_94,10.82,-1.76,0,0.08
1MUF,TYR_156,10.54,0,-0.22,0.76
2D0A,HIS_119,5.95,-0.39,0,-0.17
1P1L,ASP_98,3,-0.74,-0.77,0.7
2I88,GLU_388,3.98,0.23,-0.8,0.06
3UX2,LYS_131,10.39,-0.11,0,0
2B2H,HIS_385,6.2,-1.35,0.66,0.4
1LZL,GLU_104,5.84,1.25,0,0.09
1ZBS,ASP_181,4.2,-0.11,0.15,0.36
1MD6,LYS_16,10.54,-1.42,0.85,0.61
1QQ,LYS_63,10.29,0,-0.08,0.37
2AHE,ASP_58,3.27,-0.76,-0.29,0.53
1VSM,ARG_74,12.09,-0.41,0,0
3N2T,GLU_172,4.63,0.15,0,-0.02
3BQW,GLU_160,5.31,1.62,-0.27,-0.54
4AM1,HIS_261,5.24,-1.21,0,-0.07
3RFF,ASP_48,4.18,0.0,0.18,0.19
2GZR,ASP_281,4.05,-0.2,-0.08,0.54
2E0T,HIS_96,6.17,-0.77,0.33,0.12
1N81,HIS_25,6.27,-0.23,0,0
1YLN,GLU_225,4.79,0.29,0,0
3EVN,ASP_61,4.24,0.03,0.41
1BN6,ASP_87,4.01,0.0,0.05,0.16
1LTU,TYR_48,12.28,0.48,0.74,1.06
3CSR,TYR_20,12.1,0.85,0.59,0.67
1KW4,CYS_32,9.93,0,-0.22,1.15
3UC9,ASP_42,3.13,-0.71,-0.25,0.29
1N81,TYR_84,11.26,-0.04,0.06,1.24
2OJQ,ARG_517,12.85,-0.21,0.05,0.51
1F09,ASP_125,3.51,-0.79,-0.23,0.72
2FZP,GLU_273,3.33,0.38,-1.17,-0.39
1OST,LYS_220,11.02,-0.54,0.46,0.61
2D7J,HIS_14,6.2,-0.27,0,-0.04
2GAU,ASP_16,3.44,-0.46,-0.39,0.49
1WLY,LYS_111,10.92,-1.11,0.85,0.68
1X7F,TYR_159,10.96,-0.85,0.33,1.47
2FD5,ARG_82,12.6,-0.61,0.37,0.35
3K8J,ASP_45,3.51,-0.9,-0.22,0.83
2B61,LYS_106,10.48,-0.22,0,0.2
4F3J,ARG_161,12.74,-0.3,0.03,0.51
1RAJ,ASP_79,2.95,-0.79,-0.42,0.36
3ZXY,ARG_95,12.81,-0.35,0.14,0.52
3EJG,CYS_81,10.92,0,0.03,1.87
3R2E,GLU_58,4.82,0.29,0,0.04
3N2T,GLU_48,4.79,0.52,0,-0.23
1DCF,GLU_74,4.63,0.19,0,-0.07
1WPS,ARG_283,12.12,-0.54,0,0.15
2YX0,HIS_67,5.7,-0.8,0,0.01
1PVT,LYS_213,10.48,-0.14,0,0.12
3COU,ARG_142,13.98,-0.83,1.57,0.75
1DVO,HIS_153,6.3,-0.22,0,0.03
1T95,GLU_53,4.18,0.5,-0.48,-0.34
2PGE,ARG_88,13.43,-0.4,0.73,0.6
1J7G,LYS_12,11.19,-0.27,0.57,0.38
3IVF,GLU_291,4.02,0.63,-0.64,-0.45
1BKR,HIS_104,5.81,-0.37,0,-0.32
1UAJ,ARG_-3,12.47,-0.03,0,0

2CN1,GLU_273,4.44,2.18,-1.5,-0.74
1FKM,HIS_371,5.65,-1.66,0.75,0.06
1TWU,HIS_100,6.23,-0.22,0,-0.06
3B4D,LYS_247,11.27,-0.49,0.52,0.74
3PZ9,LYS_215,10.29,-0.23,0,0.02
1H4U,ARG_631,12.45,-0.23,0,0.18
1AKO,GLU_19,4.79,0.24,0,0.06
3CNU,LYS_23,11.11,-0.24,0.85,0
2RGY,LYS_105,10.37,-0.13,0,0
2Q98,ASP_68,2.34,-1.76,-0.11,0.42
1RKA,LYS_207,11.26,-0.28,0.43,0.6
2OEW,ASP_314,3.82,0,-0.3,0.32
2ZCO,ARG_265,13,-0.79,0.57,0.72
1JKS,ARG_48,12.31,-0.23,0,0.04
2ZCX,GLU_25,4.23,0.61,-0.2,-0.69
2IQT,GLU_178,5.59,2.05,-0.6,-0.36
1LZL,GLU_145,4.58,0.08,0,0
1H4U,TYR_546,11.25,0.34,0.41,0.5
3ETU,LYS_237,10.45,-0.05,0,0
1ZBS,HIS_278,3.41,-2.73,0,-0.36
3CGW,GLU_67,4.74,0.24,0,0
3V55,ASP_640,4,0,0.02,0.17
1NWA,ASP_100,3.6,-0.89,0,0.69
3F53,TYR_56,10.25,0,0.15,0.09
1KCM,TYR_18,13.82,0,0.33,3.49
1CHD,GLU_215,3.45,0.21,-0.85,-0.41
1EDG,LYS_71,9.33,-0.92,0,-0.25
1MTZ,ARG_49,12.17,-0.38,0,0.05
1W7B,LYS_28,10.03,-0.48,0,0.01
3T8R,GLU_94,4.02,0.21,-0.69,0
3FTT,LYS_11,10.36,-0.1,0,-0.04
2B2H,HIS_185,5.92,-1.39,0.74,0.07
1ZBM,ARG_180,13.45,-0.94,0.68,1.2
2YWX,ARG_38,12.28,-0.23,0,0.01
3ADO,ARG_171,11.6,-0.87,0,-0.03
3EZ7,TYR_287,12.31,-0.85,-0.11,3.27
1I60,LYS_235,10.29,-0.24,0,0.02
2CN1,LYS_64,11.89,-0.37,0.93,0.82
3ANJ,GLU_385,4.38,4.99,-3.72,-1.39
3JZ9,ASP_477,2.66,-0.85,-0.73,0.44
1RIS,ARG_104,12.14,-0.37,0,0.01
4GA2,ASP_140,4.04,0,0.24
1RIS,LYS_63,11.65,-0.39,0.81,0.72
4EKU,TYR_166,9.96,-0.21,-0.37,0.55
3T57,ARG_322,12.54,-1.62,0.66,1
1RWZ,LYS_140,10.52,-0.12,0,0.13
2CYG,ARG_298,12.72,-0.87,0,1
1T95,ASP_119,3.21,-0.63,-0.54,0.59
3FWU,GLU_17,3.87,0.33,-0.72,-0.24
3N2T,HIS_316,6.89,-0.57,0.85,0.11
2B0J,LYS_82,10.64,-0.13,0,0.28
3MEW,ASP_271,3.29,-0.82,0,0.32
4F85,TYR_216,9.5,-0.53,-0.32,0.34
1T6L,TYR_69,10,0,-0.11,0.11
1IAP,LYS_160,10.98,-0.39,0.5,0.38
2Z61,HIS_61,6.37,-0.13,0,0
3T57,GLU_320,4.56,0.06,0,0
3MIX,LYS_410,10.81,-0.18,0.13,0.35
3LD1,LYS_178,10.33,-0.17,0,0
2CXV,ARG_70,12.25,-0.25,0,0
2I6I,TYR_158,10.36,0,-0.07,0.43
1DUP,LYS_3,11.38,-0.24,0.74,0.38
3B21,ARG_97,13.07,-0.32,0.54,0.35
3V75,GLU_4,3.23,0.5,-1.3,-0.46
4FLE,GLU_196,4.68,0.18,0,0
2G3A,TYR_62,12.36,0.85,0.68,0.84
3L3P,ARG_443,12.18,-0.5,0.04,0.13
2XHC,TYR_286,11,0,0.05,0.95
4FCU,LYS_203,10.53,-0.14,0,0.17

3HVW,ARG_190,12.36,-0.17,0,0.02
1O9G,CYS_147,10.51,0,0,1.51
3AUF,TYR_79,11.66,0.85,0.27,0.54
3U4K,ASP_115,3.24,-0.48,-0.37,0.28
2IF4,LYS_84,10.14,-0.52,0,0.17
1TR9,GLU_134,4.82,0.24,0,0.07
2Z61,CYS_140,11.29,0,0,1.2.19
2QK1,LYS_402,10.79,-0.36,0.33,0.33
2IDC,CYS_30,10.05,-0.46,0,1.1.41
3HVM,LYS_223,10.69,-0.09,0,0.29
3FK5,GLU_97,4.58,0.08,0,0
2VGM,HIS_356,5.44,-1.0,-0.06
3NRS,ARG_58,12.67,-0.16,0,0.34
2FD5,GLU_32,3.06,0.4,-1.42,-0.43
2EYI,LYS_64,10.27,-0.53,0,0.3
3ILC,ASP_107,3.68,-0.13,-0.19,0.2
2CXA,CYS_154,13.17,-0.44,1.2,3.41
1R3D,LYS_10,10.42,-0.08,0,0
1NAR,ARG_248,13.7,-0.36,0.86,0.7
1WNH,HIS_29,6.59,-1.63,0.85,0.86
1SQH,GLU_280,4.45,0.4,0,-0.45
1QYI,GLU_250,4.74,0.24,0,0
3GFP,LYS_351,11.52,-0.25,0.85,0.42
4EKU,TYR_46,12.28,-0.29,0.11,2.47
2POY,ASP_35,3.65,-0.1,-0.69,0.64
1R53,CYS_192,11.91,-0.36,0.31,2.95
2D2S,TYR_656,10.75,0,0.02,0.73
2BAA,LYS_152,10.1,-0.47,0,0.07
3F6F,ARG_205,12.52,-0.18,0,0.19
4FZR,GLU_99,4.65,0.21,0,-0.07
1T6L,TYR_227,10.48,0.02,0.46
1EQ6,ARG_207,12.27,-0.37,0,0.13
1C44,LYS_55,10.61,-0.2,0,0.32
2ZQ5,GLU_173,4.36,2.68,-1.06,-1.75
3I0C,ASP_83,1.7,-2.04,-0.65,0.59
1H4U,HIS_515,6.07,-0.39,0.03,-0.06
1ZYL,TYR_102,10.42,0,0.1,0.32
1TLV,ASP_128,4.42,0,0.12,0.5
3RVC,LYS_126,10.49,-0.25,0,0.24
1QQE,LYS_9,10.62,-0.19,0,0.31
1XEU,TYR_272,10.9,-2.0,2.9,2.61
2HRZ,ARG_129,11.16,-1.58,0,0.24
2BLL,GLU_569,4.76,0.16,0,0.1
1XTD,LYS_66,10.28,-0.22,0,0.01
4EKU,ARG_353,13.28,-2.4,0.32,2.86
2B3M,GLU_107,4.35,0.26,0,-0.41
1Q8M,HIS_83,6.83,-0.93,0.85,0.41
3AU3,LYS_580,10.57,-0.09,0,0.16
2GAU,ARG_66,12.13,-0.52,0,0.15
3GFP,GLU_378,4.63,0.27,-0.34,0.2
1XIP,LYS_158,10.7,-0.21,0,0.41
3AUF,HIS_138,4.95,-2.55,0.92,0.08
1GPP,GLU_45,3.9,1.16,-1.61,-0.14
1LN4,ARG_56,12.27,-0.24,0,0.01
2RFA,HIS_165,5.09,-1.65,0,0.23
2DFL,TYR_278,12.84,-0.78,0.77,2.85
3OKQ,LYS_633,10.38,-0.21,0,0.09
3LPZ,ARG_79,13.79,-1.04,1.31,1.03
3PQJ,HIS_149,5.86,-0.73,0,0.1
2CVB,LYS_140,10.43,-0.47,0,0.39
1Q5Z,LYS_606,10.34,-0.5,0,0.34
2DFL,CYS_124,13.72,-0.47,1.33,3.86
3H6Q,GLU_3,4.59,0.12,0,-0.03
3BQW,GLU_154,4.27,0.37,-0.15,-0.46
2CYZ,GLU_111,4.32,0.24,-0.37,-0.05
3MTT,TYR_453,10.16,-0.03,-0.21,0.41
1M5I,LYS_155,10.88,-0.41,0,0.8
3U56,GLU_137,6.28,2.49,-0.78,0.07
1W7B,CYS_133,13.43,0,0.81,3.63

2HXB,ASP_174,3.9,0,0,0.1
4DBX,TYR_4,12.93,0.4,0.75,1.78
1UCH,GLU_114,4.49,0.32,0,-0.34
3BWT,TYR_836,10.31,0,-0.25,0.56
4EFS,ARG_334,13.19,-0.39,0.67,0.41
2JHY,GLU_164,4.65,0.17,0,-0.02
2FB6,HIS_38,6.17,-0.31,0.14,-0.15
2NMU,HIS_84,5.53,-0.58,0,-0.39
1P4X,LYS_172,11.56,-0.38,0.85,0.59
2B0J,TYR_261,10.05,0,-0.09,0.14
3RXX,TYR_138,9.45,-0.72,-0.19,0.36
1KN3,GLU_83,6.68,4.34,-1.97,-0.19
1U53,LYS_46,11.3,-0.55,0.79,0.57
3LJI,ASP_161,2.97,-0.85,-0.67,0.69
2E0T,ASP_120,3.15,-0.81,-0.23,0.39
2RH3,ASP_129,2.34,-1.84,-0.04,0.42
1EYH,ARG_154,12.21,-1.15,0.3,0.55
1VJG,ARG_33,13.72,-1.16,1.48,0.9
3NBI,ARG_176,12.28,-0.22,0,0
4EZB,ASP_103,3.23,-1.37,-0.01,0.8
2Z14,ASP_48,4.48,0,-0.33,1
3L0D,ARG_85,11.97,-0.86,0,0.33
3EX9,GLU_107,4.36,0.34,-0.23,-0.25
1JKS,ARG_253,12.41,-0.49,0,0.4
1ZHV,HIS_131,6.37,-0.12,0,-0.01
1TWU,HIS_60,6.29,-0.82,0.82,-0.22
2A6B,GLU_146,7.38,3.68,-0.79,-0.01
3KV0,GLU_84,4.54,0.23,0,-0.2
1GQE,ARG_144,12.25,-0.3,0,0.05
2H85,LYS_226,10.52,-0.08,0,0.1
3I4T,ASP_212,3.17,-0.41,-0.57,0.34
2O4D,LYS_61,10.7,-0.14,0,0.34
1PSW,GLU_68,4.8,0.2,0,0.1
4DND,ARG_88,11.62,-0.93,0,0.05
1WYC,GLU_92,4.62,0.22,0,-0.09
2XHC,LYS_186,10.34,-0.25,0,0.09
4GA2,LYS_94,10.32,-0.19,0,0.01
3M66,LYS_158,10.52,-0.22,0,0.24
2CW4,ARG_69,12.44,-0.21,0,0.15
2G55,ARG_173,13.52,-2.78,0.58,3.23
2ZQ5,ARG_211,8.45,-3.3,0,-0.75
3V75,ASP_171,2.19,-1.52,-0.61,0.52
3EVZ,LYS_49,10.53,-0.09,0,0.12
3CO1,LYS_113,9.94,-0.57,0,0.01
2HNG,ARG_83,13.44,-0.36,0.75,0.55
3LJN,ARG_180,12.19,-0.38,0,0.06
4DVD,LYS_17,10.15,-0.39,0,0.05
2O8P,CYS_91,9.54,-0.06,0.03,0.57
3BQW,GLU_55,4.57,0.07,0,0
1WYC,ARG_107,11.57,-0.77,0,-0.16
3C2E,LYS_125,9.98,-0.52,0,0
1RL0,ARG_87,13.41,-0.32,0.72,0.51
2R57,GLU_264,4.62,0.12,0,0
1PVT,GLU_182,4.61,0.17,0,-0.07
2Q99,LYS_348,10.33,-0.07,0,-0.1
3Q6L,ARG_79,12.95,-2.21,1.23,1.43
2CE6,ASP_55,4.23,0,0.06,0.37
2GEN,ARG_51,13.08,-0.45,0.8,0.23
2B61,TYR_344,10.35,-1.04,0.16,1.24
3C6B,ARG_48,12.27,-0.23,0,0
3F6M,TYR_29,11.04,0.06,0.26,0.71
1X9I,GLU_83,4.85,0.26,0,0.09
1WRU,GLU_147,4.68,1.61,-1.32,-0.13
2WOZ,ASP_318,3.77,-0.83,-0.43,1.24
2CBE,ASP_130,2.46,-1.37,-0.38,0.41
3ANJ,ARG_236,11.94,-1.43,0.39,0.48
3V75,ASP_211,3.47,-0.73,0,0.4
2Q13,GLU_365,2.44,1.57,-2.52,-1.11
2FD5,GLU_112,4.66,1.26,-0.97,-0.13

3EVN,LYS_49,10.36,-0.14,0,0
3F53,ASP_73,3.88,0,-0.19,0,27
3F6M,CYS_124,10.74,0,0.26,1.48
2GZQ,ASP_109,3.16,-1.36,-0.13,0.85
3HVM,GLU_306,4.66,0.28,0,-0.12
3EJC,GLU_42,3.02,0.53,-1.69,-0.31
3IO0,ARG_171,12.28,-0.38,0,0.16
3HNX,ASP_38,3.48,-1.7,-0.13,1.51
3KV0,CYS_118,11.19,-0.55,0.45,2.28
1TJE,TYR_205,10.23,0,0.02,0.21
2BDV,GLU_208,4.78,0.17,0,0.1
1AK1,ARG_173,12.35,-0.33,0,0.18
3K9I,GLU_61,4.72,0.31,0,-0.09
2B0A,LYS_121,10.41,-0.29,0,0.2
3IVF,LYS_300,10.05,-0.5,0,0.04
2B02,TYR_450,10.06,0,0,0.06
1WPA,TYR_493,11,-0.09,0,18,0.9
1U7U,ASP_210,5.53,0,0,1.72
2CN1,GLU_101,3.56,0.37,-0.85,-0.46
2OGQ,ASP_376,3.97,0,-0.13,0.3
3A2Z,LYS_56,9.9,-0.68,0,0.08
1MTZ,ASP_50,3.59,-0.66,-0.71,1.16
3FHF,GLU_75,4.44,0.41,-0.2,-0.27
3GS3,ASP_228,4.39,0,0,0.59
1BGF,ASP_23,2.99,-1.36,-0.32,0.87
2AHE,LYS_146,10.13,-0.1,0,-0.27
1R2Z,LYS_143,10.32,-0.12,0,-0.05
2QV2,LYS_27,10.41,-0.3,0,0.2
1T6L,ASP_155,2.9,-0.79,-0.48,0.37
3KV0,ASP_167,4.05,0,0.05,0.2
1L3K,HIS_77,5.35,-1.88,0.83,-0.1
2D2S,GLU_567,4.72,0.13,0,0.1
3KB5,HIS_442,6.2,-0.3,0,0
1OIS,LYS_357,10.83,-0.69,0.32,0.7
3NOK,GLU_148,4.61,0.11,0,0
3RLN,GLU_579,3.9,0.49,-0.7,-0.38
3V4G,LYS_6,10.33,-0.27,0,0.11
2CWY,TYR_27,10.26,0,0.02,0.23
3L0D,CYS_106,10.35,-0.47,0.04,1.78
1SFE,ARG_15,13.24,-0.67,0.43,0.98
2ILR,CYS_399,11.95,-0.12,-0.01,3.08
3QKY,GLU_68,4.74,0.24,0,0
2Z0M,ASP_107,3.61,-0.81,-0.12,0.74
3F6M,LYS_92,10.47,-0.18,0,0.14
2HRZ,LYS_249,10.51,-0.1,0,0.11
2X4L,LYS_114,10.78,-0.15,0,0.44
2A4D,LYS_161,10.21,-0.3,0,0.01
3P28,HIS_187,6.36,-0.11,0,-0.03
2V4U,TYR_307,9.53,-0.47,-0.33,0.33
3FHF,TYR_172,13.34,-1.68,0.63,4.39
3UC9,GLU_121,4.55,0.22,0,-0.17
1XDZ,ASP_66,3.08,-1.14,-0.04,0.46
1ILW,GLU_101,4.67,0.28,0,-0.12
1WRU,LYS_52,11.03,-0.29,0.43,0.38
3I4T,LYS_232,10.46,-0.24,0,0.21
2H2W,GLU_199,4.36,0.2,-0.12,-0.23
2OBI,CYS_10,9.43,0,0.23,0.2
3BPV,LYS_8,10.25,-0.15,0,-0.1
3JRT,GLU_32,2.81,1.42,-2.29,-0.84
3M66,LYS_233,10.34,-0.39,0,0.24
4FH3,ASP_115,3.7,-0.43,0,0.33
3LOE,LYS_351,10.31,-0.48,0,0.3
4F85,ARG_160,12.48,-0.79,0.6,0.17
1RI5,CYS_73,13.15,-0.33,1.56,2.93
1LTU,CYS_211,13.17,-0.03,0.39,3.82
2EFK,ASP_260,3.67,-0.61,0.1,0.37
3ZTA,GLU_10,4.13,0.3,-0.43,-0.24
2AXO,ASP_130,3.31,-0.74,-0.08,0.33
3U2R,ARG_91,12.97,-0.89,0.68,0.69
4E9E,LYS_437,10.43,-0.07,0,0
2F8H,ARG_289,12.02,-0.5,0,0.02
1XKR,LYS_12,10.65,-0.24,0,0.4
3FK5,LYS_285,10.63,-0.31,0,0.44
4EVF,GLU_134,4.15,0.01,-0.75,-0.11
3G9G,ARG_51,13.34,-0.65,0.85,0.64
1PV5,GLU_161,6.13,1.73,-0.65,0.55
1XKR,ASP_9,3.83,0,-0.24,0.27
2IQT,HIS_51,5.42,-0.97,0,-0.1
2CBE,LYS_228,10.23,-0.16,0,-0.11
2QRX,HIS_91,6.12,-0.81,0.47,-0.03
1JSX,ARG_103,12.25,-0.25,0,0
1U53,LYS_110,11.22,-0.22,0.54,0.4
3LJN,HIS_212,4.79,-1.99,0,0.27
3A0X,ARG_684,13.28,-0.76,0.77,0.78
1T07,GLU_77,4.75,0.23,-0.01,0.02
4E5S,LYS_99,10.52,-0.46,0,0.47
2JEO,GLU_74,4.48,0.11,0,-0.13
1TR9,GLU_196,4.59,0.29,0,-0.21
3RUX,GLU_38,4.08,0.38,-0.23,-0.58
2XMX,LYS_234,10.61,-0.16,0,0.27
2IQT,GLU_226,4.02,0.35,-0.52,-0.32
2CWC,ASP_237,3.79,-0.84,0.19,0.65
2Z84,TYR_39,12.82,0.049,2.33
2FBQ,GLU_71,2.03,0.53,-2.2,-0.8
3GE9,ARG_217,12.41,-0.5,0,0.41
3T57,GLU_88,4.73,0.61,0,-0.38
3GE9,GLU_92,3.37,0.48,-0.67,-0.92
2CN1,ARG_165,13.22,-0.49,0.4,0.81
2GZQ,CYS_112,11.65,0.12,0.48,2.05
2FL7,ARG_106,13.87,-0.42,1.03,0.76
3ANJ,GLU_149,3.83,0.34,-0.49,-0.52
1RKA,GLU_299,4.74,0.15,0,0.09
1WPA,ASP_426,3.24,-0.38,-0.52,0.35
3TIR,ASP_71,4.04,0,-0.03,0.26
3C5V,GLU_117,4.24,0.76,0,-1.02
4EZB,ARG_255,13.91,-0.37,1.07,0.72
1RKA,TYR_36,10.46,0,0,0.46
2JKF,TYR_59,13.34,0.85,0.61,1.88
1ZBP,ARG_34,11.85,-0.65,0,0
2F8H,ARG_198,12.4,-0.1,0,0
3CAX,LYS_133,10.32,-0.1,0,-0.08
2OJQ,GLU_701,4.13,0.51,-0.31,-0.58
1BKB,ASP_26,3.92,0,-0.08,0.2
2CIU,GLU_117,4.64,0.39,0,-0.24
3GW3,ASP_344,3.11,-1.18,0,0.49
3O7K,ASP_142,3.98,0.03,0,0.16
2FG1,ASP_98,3.41,-0.59,-0.08,0.29
1X04,GLU_131,3.69,0.26,-0.74,-0.33
1M5I,GLU_154,4.88,0.53,0,-0.15
3H04,LYS_22,11.05,-0.8,0.72,0.63
4EUG,HIS_155,5.92,-0.46,0,-0.13
2H2W,LYS_198,10.49,-0.01,0,0
1M5I,ARG_186,12.46,-0.32,0,0.29
2ZCX,LYS_57,10.21,-0.29,0,0
2CVB,GLU_151,4.91,0.48,0,-0.08
4DBX,ASP_236,4.12,0,0,1.022
3GMS,ASP_144,4.48,-0.85,0.28,1.25
2Z0M,GLU_172,4.36,0.33,-0.12,-0.35
1EDG,LYS_295,9.88,-0.68,0,0.06
3V3T,TYR_265,10.13,-0.33,0.14,0.32
2Q5X,ARG_752,12.71,-0.55,0.14,0.61
1X6J,ARG_79,12.96,-0.45,0.4,0.51
3JRT,ARG_51,12.91,-0.43,0.26,0.58
2D7J,GLU_66,3.32,0.32,-0.8,-0.69
3RAZ,HIS_156,6.24,-0.53,0.24,0.03
3GEC,CYS_369,9.39,-0.18,0,0.57
3EVN,GLU_109,3.48,0.44,-1.08,-0.38
2QHT,GLU_146,4.36,0.29,0,-0.44
2GZQ,ASP_178,3.9,0,-0.03,0.14
2FL7,LYS_144,11.36,-0.31,0.79,0.38
2CN1,ARG_208,12.72,-0.42,0,0.63
3IPZ,GLU_166,4.55,0.42,-0.02,-0.35
3LPZ,GLU_175,4.54,0.17,0,-0.13
2BOJ,ASP_80,3.52,-0.63,-0.19,0.54
3DZ1,ARG_279,13.86,-0.78,1.53,0.61
2A0J,LYS_22,10.86,-1.76,1.16,0.96
3VHJ,ASP_102,2.94,-1.52,-0.44,1.1
3N2T,ASP_139,3.5,-0.58,-0.1,0.37
2OJQ,CYS_512,9.68,0,0.05,0.63
2IRM,GLU_212,4.63,0.13,0,0
3A7L,LYS_18,10.75,-0.17,0,0.42
3EVZ,LYS_177,11.07,-0.24,0.37,0.43
2D2S,GLU_697,5.54,2.26,-0.73,-0.49
1T9S,ARG_99,12.38,-0.28,0.11,0.06
2EFK,TYR_42,10.44,0,0.02,0.42
1Z9L,LYS_39,10.57,-0.2,0,0.28
2BDD,ASP_30,4.35,-0.68,-0.53,1.77
3JZN,GLU_276,4.59,0.26,0,-0.17
3HUE,GLU_5,4.98,0.74,-0.55,0.29
1SJJ,LYS_41,10.36,-0.17,0,0.02,0
1KW4,ARG_11,12.54,-0.33,0.3,0.37
1J85,GLU_113,4.69,0.19,0,0
1FO9,TYR_157,12.58,0.77,0.25,1.56
2FG1,GLU_147,4.61,0.11,0,0
3GYW,LYS_40,10.29,-0.21,0,0
1BKB,LYS_4,10.61,-0.08,0,0.19
2GEN,LYS_499,9.95,-0.68,0,0.13
1JKS,GLU_192,4.84,0.44,0,-0.09
2BLL,HIS_448,6.6,-0.28,0,0.39
1JKS,HIS_131,3.99,-3.19,0.53,0.15
1ZCE,LYS_104,10.29,-0.21,0,0
1HF8,TYR_211,12.94,0,-0.1,3.05
3I4T,GLU_195,4.8,0.32,0,-0.02
2QDJ,LYS_279,10.56,-0.13,0,0.2
1Y2Q,GLU_54,4.55,0.16,0,-0.1
2D2S,ASP_642,4.07,0,0,0.27
3CIV,ASP_9,3.52,-0.36,-0.12,0.19
3NOK,LYS_61,9.69,-1.12,0,0.31
2R0S,LYS_181,11.65,-0.73,0.85,1.03
2W2S,ARG_51,11.94,-0.71,0,0.16
2XHC,GLU_141,4.64,0.14,0,0
1TXJ,LYS_85,10.39,-0.11,0,0
1QZN,GLU_108,4.36,1.45,-1.58,-0.01
3DSH,ASP_312,3.83,-1.04,-0.06,1.15
2OBI,ARG_9,12.38,-0.31,0,0.19
2YWX,HIS_37,5.82,-0.38,0,-0.3
2X4L,LYS_64,10.35,-0.15,0,0
2I88,LYS_395,10.32,-0.19,0,0.02
2IF4,GLU_154,4.79,0.79,0,-0.5
2B78,ASP_32,3.99,-0.52,-0.26,0.96
1Y0K,ARG_199,12.2,-0.3,0,0
3DSH,LYS_374,10.95,-0.3,0.37,0.38
3ODJ,CYS_19,11.76,-0.06,0.2,0.82
3NJM,ASP_81,2.29,-1.9,-0.05,0.45
3ON1,HIS_47,6.37,-0.15,0,0.03
1V6T,LYS_53,10.46,-0.26,0,0.21
3V7S,TYR_3,10.17,0,-0.09,0.26
2YT4,GLU_610,4.7,0.28,0,-0.07
1EV8,LYS_2,10.5,0,0,0
2QVO,GLU_63,3.7,0.21,-0.7,-0.3
2INO,TYR_406,10.77,0,-0.03,0.81
2O8P,GLU_209,4.7,0.21,0,-0.01
4F85,GLU_84,2.85,1.3,-2.46,-0.5
3PP8,ARG_291,13.41,-0.4,0.84,0.47
3V7S,ARG_254,11.99,-0.28,0,-0.23
2D59,CYS_67,11.11,-0.07,0.01,2.17
3Q1C,GLU_379,3.25,0.51,-1.28,-0.47
2G5X,ARG_84,13.51,-1.47,1.41,1.07
2EFK,GLU_221,4.89,0.22,0,0.17
1UJ8,GLU_75,4.62,0.45,-0.5,0.17
2IXM,LYS_60,10.7,-0.21,0,0.4
1OTM,LYS_63,11.45,-0.4,0.85,0.5
3OBS,ASP_137,3.91,0,-0.05,0.16
1KW4,LYS_64,10.63,-0.06,0,0.2
3QYB,ASP_911,4.07,0,-0.02,0.29
3EZ7,GLU_185,3.93,0.38,-0.72,-0.24
1F2V,GLU_111,4.63,0.17,0,-0.03
1XTD,GLU_123,4.77,0.09,0,0.18
1SIG,ARG_279,13.46,-0.78,1.06,0.68
1TXJ,TYR_18,11.87,-0.04,0.43,1.48
2QDJ,GLU_204,4.82,0.48,0,-0.17
3EVN,LYS_214,10.35,-0.23,0,0.08
1ZYL,ARG_137,12.06,-1.12,0.09,0.6
3P28,ARG_61,13.24,-0.33,0.49,0.59
2DG7,ASP_131,3.36,-0.35,-0.52,0.42
3LMO,ARG_83,13.9,-0.77,1.59,0.58
2AHE,LYS_249,10.28,-0.24,0,0.02
2ZTY,ARG_87,13.68,-0.64,0.97,0.86
1JTY,LYS_264,10.33,-0.18,0.02,0
2YWX,GLU_30,4.74,0.25,0,0
1RI5,GLU_83,4.08,0.79,-0.81,-0.41
1WXQ,LYS_148,10.36,-0.14,0,0.01
4ACJ,GLU_759,4.4,0.28,0,-0.37
3M7G,ARG_250,10.81,-2.99,0,1.3
1OGL,ASP_41,2.69,-1.28,-0.49,0.66
2FL4,ASP_113,3.81,-0.01,-0.35,0.37
3ULX,LYS_115,10.17,-1.17,0.85,-0.01
2D7U,GLU_151,3.88,0.42,-0.78,-0.26
3V5S,HIS_666,6.29,-0.16,0,-0.05
2HP7,ARG_64,12.33,-0.29,0.12
3IV4,GLU_86,4.6,0.11,0,0.01
2QRX,TYR_13,10.17,0,0.01,0.16
3M9A,ARG_74,12.4,-0.17,0,0.07
4DNU,LYS_175,10.36,-0.48,0,0.34
3BJV,HIS_127,6.73,-0.2,0,0.43
2OPJ,ARG_307,12.53,-0.39,0,0.43
2CL3,ARG_131,13.08,-0.3,0.54,0.34
2JEO,ASP_133,3.91,-0.12,-0.54,0.78
3FFM,GLU_127,4.62,0.07,0,0.05
3A2Z,CYS_59,11.58,-0.86,0.19,3.25
3FRR,ASP_49,4.26,-0.01,-0.21,0.68
2Q07,HIS_320,6.47,-0.13,0,0.11
1X1E,GLU_223,3.4,0.34,-0.82,-0.62
2D59,LYS_58,10.45,-0.16,0,0.11
4FD6,TYR_196,12.91,0.68,0.57,1.66
3M9A,GLU_37,4.62,0.12,0,0
1O5T,CYS_305,12.77,-0.64,0.4,0.42
2OPJ,TYR_42,11.02,0,0.24,0.77
1XDZ,LYS_165,10.37,-0.19,0,0.05
4CDZ,GLU_51,4.12,0.95,-1.31,-0.02
3K8U,ARG_121,12.25,-0.33,0,0.07
4EF5,GLU_174,4.52,0.25,0,-0.23
1Y2Q,TYR_119,10.74,0,0.05,0.69
3A0X,CYS_634,9.85,0.12,0.14,0.59
1NRI,ARG_243,12.19,-0.28,0,-0.03
2PGE,TYR_178,11.28,0.23,1.05
3T8R,GLU_96,4.05,0.59,-0.86,-0.18
1GXN,GLU_571,4.69,0.3,0,-0.11
2EFK,GLU_128,4.7,0.33,0,-0.12
3O48,ARG_59,12.51,-0.28,0.01,0.28
2EYI,ARG_46,12.43,-0.67,0.12,0.48
1J33,GLU_69,4.61,0.21,-0.04,-0.06
3JRT,LYS_113,10.52,-0.23,0,0.25
1WOU,GLU_55,3.64,0.29,-0.71,-0.44
3MEW,ASP_193,2.6,-1.22,-0.65,0.67
2D8N,ARG_151,10.42,-2.98,0,0.9

2Q12,LYS_153,10.63,-0.33,0.11,0.34
 1MML,ASP_114,3.47,-0.65,-0.08,0.4
 2W1R,ARG_109,12.38,-0.33,0,0.21
 3LPZ,ARG_109,12.94,-0.26,0.35,0.36
 3Q1C,LYS_126,10.38,-0.18,0,0.05
 3UV9,TYR_299,10.4,0,0.25,0.15
 2X5Y,ARG_742,12.6,-0.31,0,0.4
 3EJG,LYS_72,10.22,-0.13,0,-0.15
 3RLN,LYS_759,10.33,-0.23,0,0.06
 2IRM,CYS_184,12.38,-1.86,1.34,3.9
 2NRK,HIS_142,6.2,-0.42,0,0.13
 2OSA,ASP_314,3.34,-0.82,-0.05,0.41
 2FGG,GLU_5,4.56,0.06,0,0
 3A4C,GLU_480,2.54,0.47,-1.83,-0.6
 1ILW,LYS_113,10.23,-0.12,0,-0.16
 3E5T,LYS_74,10.51,-0.15,0,0.16
 3C2E,ASP_177,3.25,-0.8,-0.18,0.43
 3GT0,GLU_85,4.5,0.07,0,-0.08
 1SQW,HIS_175,6.37,-0.13,0,0
 3M3P,ARG_185,12.41,-0.3,0,0.21
 2OJQ,TYR_608,11.92,0,0.4,1.52
 2YWJ,LYS_185,10.45,-0.29,0,0.25
 3TMO,ASP_192,3.7,-0.47,0,0.37
 4DNU,ARG_55,13.21,-0.49,0.78,0.42
 3MIX,GLU_506,4.59,0.17,0,-0.08
 2C2Y,ARG_235,12.31,-0.19,0,0
 3H6Q,TYR_166,10.18,0,0.08,0.1
 1A8Q,LYS_144,11.4,-0.53,0.85,0.58
 2YT4,TYR_653,10.43,-0.79,-0.33,1.55
 1FKM,TYR_395,11.98,0,0.24,1.74
 2ZOM,ASP_268,3.4,-0.62,-0.28,0.5
 1G8P,ARG_289,11.3,-1.08,0,-0.12
 1WRU,ARG_8,12.85,-0.33,0.29,0.38
 3V75,CYS_21,11.69,-0.8,-0.42,3.91
 1T95,LYS_146,10.64,-0.18,0,0.31
 2EHG,TYR_26,11.66,0,0.43,1.24
 1R3F,ARG_99,13.81,-0.54,1.02,0.84
 3P28,TYR_152,10.27,0,0,0.27
 2P4D,TYR_137,10.76,0,0.12,0.64
 3GOZ,LYS_291,10.5,0,0,0
 3EX9,ASP_83,3.12,-1.07,-0.15,0.54
 1X8F,LYS_248,10.5,-0.15,0,0.14
 1Q8B,LYS_37,11.18,-0.22,0.44,0.45
 2CXC,LYS_140,10.17,-0.13,0,-0.19
 3RHE,ASP_112,4.04,0,0.06,0.18
 3EVZ,LYS_142,10.44,-0.48,0,0.42
 2RH3,LYS_97,10.58,-0.18,0,0.27
 1WRU,GLU_57,4.28,0.46,-0.29,-0.38
 1UJ8,HIS_6,7.52,-0.38,0.85,0.55
 3BCH,ARG_117,12.01,-0.49,0,0
 3RJZ,TYR_176,9.04,-0.85,-0.38,0.27
 1XIP,ASP_290,3.93,0,0.13
 1X6J,ARG_14,12.86,-0.26,0.22,0.41
 3IDW,ASP_62,4.16,0,-0.09,0.44
 2P4D,GLU_49,4.44,0.09,0,-0.15
 2C2Y,ARG_280,11.52,-1.26,0.02,0.26
 2OEW,LYS_357,10.54,-0.08,0,0.12
 2FBQ,LYS_136,10.19,-0.19,0,-0.13
 4GX9,ARG_3,13.48,-0.34,0.8,0.51
 1UXO,TYR_66,11.36,0,0.12,1.23
 3Q1C,ASP_378,4.03,0,0.03,0.19
 2OBI,GLU_157,4.27,0.87,-0.83,-0.27
 3CNU,LYS_10,11.32,-0.23,0.62,0.42
 1XWM,ARG_192,11.86,-0.61,0,-0.03
 2POL,GLU_71,4.06,0.32,-0.29,-0.48
 3CX2,LYS_202,10.35,-0.15,0,0
 1SOH,HIS_71,6.63,-1.06,0.89,0.29
 4DBX,LYS_172,10.47,-0.11,0,0.08
 1HUF,LYS_35,10.51,-0.23,0,0.24
 3H9W,HIS_130,6.02,-0.63,0,0.15
 1YTD,ASP_35,3.95,0,-0.05,0.2
 4F85,ARG_299,12.2,-0.62,0.25,0.07
 2YX0,GLU_93,4.55,0.19,0,-0.13
 3AUF,ARG_91,12.79,-0.79,0.29,0.79
 2IDC,GLU_23,4.2,0.37,-0.66,0
 1WOU,GLU_6,3.81,0.83,-1.04,-0.47
 1EYH,TYR_111,10.49,0,0.02,0.46
 3GEC,GLU_438,4.7,0.14,0,0.07
 1LTU,ARG_195,12.16,-0.46,0,0.13
 2OJQ,TYR_677,13.4,0.85,0.57,1.98
 3M16,LYS_45,10.24,-0.36,0,0.1
 1U3Y,TYR_347,13.29,0,0.11,3.17
 1NAR,LYS_2,10.45,-0.29,0,0.24
 1NIJ,GLU_245,4.55,0.17,0,-0.13
 3LH5,TYR_533,10.07,0,0,0.07
 1QQE,LYS_32,10.72,-0.77,0.68,0.31
 2B6P,ARG_233,12.03,-0.68,0,0.21
 3EUR,LYS_88,10.66,-0.07,0,0.24
 1MUF,ARG_179,12.53,-0.15,0,0.18
 1C3K,LYS_126,10.83,-0.2,0,0.52
 3ADO,LYS_260,10.41,-0.12,0,0.04
 1JSX,GLU_111,4.52,0.2,0,-0.18
 1WNH,ASP_179,4.48,-0.53,-0.09,1.31
 3QAV,LYS_97,9.89,-0.35,0,-0.26
 1WYC,ARG_302,13.46,-0.23,0.8,0.39
 1MTZ,LYS_283,10.58,-0.12,0,0.2
 1OLR,TYR_17,11.4,-0.79,0.24,1.94
 2RIS,ARG_169,13.82,-0.36,0.64,1.04
 1I60,LYS_111,10.46,-0.04,0,0
 2H01,ASP_152,3.31,-0.62,-0.46,0.6
 2EA9,ASP_49,3.91,0,0,0.11
 2E3C,TYR_308,10.39,0,0.09,0.29
 3Q1C,TYR_339,11.79,-0.02,-0.54,2.34
 1O5J,GLU_11,5.01,0.3,0,0.21
 2QK1,ARG_344,13.75,-0.77,1.5,0.52
 1WNH,HIS_202,5.83,-0.83,0,0.16
 1Y0K,ASP_5,3.56,-0.43,-0.06,0.26
 1N81,LYS_157,10.43,-0.16,0,0.1
 1O59,CYS_202,10.08,-0.64,0,1.73
 2E3S,TYR_482,11.78,-0.38,-1.06,3.23
 1L2F,ASP_245,2.7,-1.23,-0.39,0.53
 3CS1,TYR_125,12.67,0,-0.23,2.9
 2O8I,ARG_91,12.64,-0.05,0,0.19
 3JSN,GLU_34,3.83,0.18,-0.85,0
 3FK5,CYS_331,11.52,-0.85,-0.01,3.38
 3M66,ARG_358,12.37,-0.13,0,0
 2BQQ,TYR_105,11.17,0,0.26,0.91
 3QAV,HIS_139,6.54,-0.93,0.7,0.27
 1ZCU,LYS_226,10.47,-0.03,0,0
 3GW3,GLU_26,4.75,0.33,0,-0.08
 3UAH,ARG_383,11.45,-1.92,0.01,0.85
 3Q6L,LYS_106,10.38,-0.21,0,0.09
 2CN1,LYS_49,10.41,-0.08,0,-0.01
 2B78,LYS_76,10.36,-0.14,0,0
 1PNE,ASP_26,3.85,0,-0.11,0.16
 2H14,GLU_258,3.81,0.23,-0.84,-0.08
 1WOU,LYS_25,11.17,-0.4,0.69,0.38
 1O17,GLU_46,4.7,0.2,0,0
 1RKA,CYS_63,11.29,0,0.2,2.9
 2Z14,LYS_117,10.18,-0.17,0,-0.15
 2F9F,LYS_151,10.42,-0.06,0,-0.02
 2WB3,GLU_282,4.56,0.1,0,-0.04
 2QEV,ARG_51,12.77,-0.41,0,0.68
 1U7U,GLU_200,5.65,1.97,-0.82,-0.01
 2HRZ,ASP_100,4.1,0.11,0.19
 1MUF,HIS_293,3.09,-2.85,0,-0.57
 2AH5,ASP_115,3.88,0,-0.22,0.31
 3U0V,ASP_86,3.47,-0.39,-0.16,0.23
 3Q2C,GLU_53,3.87,0.24,-0.69,-0.18
 3ZTA,TYR_98,10.02,0,-0.3,0.33
 3MEW,LYS_167,10.48,-0.12,0,0.1
 1O0X,HIS_239,4.24,-2.23,0,-0.02
 3N2T,LYS_306,10.53,-0.48,0,0.52
 1L2F,LYS_163,10.39,-0.39,0,0.27
 3I47,ASP_170,3.27,-0.85,-0.04,0.36
 3C6B,TYR_265,10.47,0,0.21,0.27
 3BWT,LYS_774,10.4,-0.07,0,-0.03
 3LPZ,LYS_120,11.38,-0.29,0.85,0.31
 2OJQ,TYR_677,13.4,0.85,0.57,1.98
 3V46,GLU_384,4.21,0.91,-0.79,-0.41
 2DFL,ASP_168,4.27,-0.18,0.27,0.38
 3U56,LYS_94,10.41,-0.23,0,0.15
 1YB2,LYS_247,9.87,-0.63,0,0
 2VGM,HIS_153,4.98,-1.38,0.03,-0.17
 3CIV,GLU_151,5.77,2.78,-1.47,-0.04
 1R3D,CYS_214,11.38,-0.02,0.23,2.17
 2D2S,ASP_750,3.64,-0.26,-0.05,0.15
 2H85,GLU_210,3.5,2.67,-2.7,-0.96
 2RFA,HIS_84,3.82,-2.9,0.53,-0.3
 4E8B,LYS_59,10.27,-0.12,0,-0.11
 3RJZ,LYS_68,11.07,-0.55,0.73,0.39
 1FKM,HIS_347,5.83,-0.79,0,0.11
 3N2T,GLU_140,4.74,0.26,0,-0.03
 2JHY,ASP_184,3.72,-0.68,0.19,0.41
 2ZOM,ASP_206,1.72,-2.3,-0.4,0.61
 3H9W,ASP_59,2.77,-1.3,-0.34,0.61
 3U2A,GLU_95,5.21,0.57,0,0.14
 3FTT,ASP_185,3.94,0,0,0.14
 3IBT,ARG_180,11.46,-1.3,0,0.25
 2V1L,GLU_91,4.83,0.29,0,0.04
 2FB6,ASP_54,2.17,-1.83,-0.38,0.58
 1J85,LYS_71,10.4,-0.11,0,0.02
 4DBL,ARG_270,12.7,-0.64,0.48,0.35
 3ANJ,ARG_282,13.85,-1.75,1.63,1.48
 3ONH,GLU_515,5.38,0.67,-0.01,0.22
 3V1Q,GLU_645,5.07,0.57,0,0
 2FBI,LYS_137,10.33,-0.15,0,-0.02
 2OBS,ARG_78,12.08,-0.66,0,0.24
 2DBN,LYS_192,10.66,-0.17,0,0.33
 4FD6,ARG_27,13.93,-0.48,1.18,0.73
 3UX2,ARG_45,13.9,-0.28,0.94,0.74
 1OST,LYS_465,10.24,-0.1,0,-0.16
 1U3Y,TYR_316,11.73,0.69,0.15,0.9
 3PZ9,GLU_92,5.26,0.67,0,0.09
 1V43,ARG_21,12.4,-0.26,0,0.16
 1QQ,LYS_101,10.88,-0.28,0.19,0.48
 2I6I,GLU_42,5.15,0.34,0,0.31
 2G7O,GLU_101,4.7,0.2,0,0
 3B7H,CYS_57,10.93,-0.01,0.01,1.92
 3AU3,GLU_658,4.1,0.28,-0.64,-0.04
 1ZBS,LYS_131,10.72,-0.11,0,0.33
 1J33,HIS_213,7.08,-0.3,0.8,0.08
 3T5B,ARG_197,12.49,-0.17,0,0.17
 1T6L,LYS_21,10.07,-0.5,0,0.07
 1T3Y,ASP_68,3.59,-0.35,0,0.14
 2CE6,ASP_22,3.22,-0.61,-0.35,0.39
 2GAU,LYS_151,10.91,-0.95,0.85,0.5
 1L3K,GLU_85,4.14,0.32,-0.14,-0.53
 1SJ8,ARG_606,12.59,-0.37,0,0.45
 1Q46,LYS_174,10.5,-0.22,0,0.22
 1N81,ARG_160,13.38,-1.04,0.7,1.23
 1N81,LYS_79,10.48,-0.15,0,0.13
 1QQE,ASP_29,2.13,-1.73,-0.45,0.51
 3CIV,HIS_158,5.36,-1.47,0.3,0.02
 3Q1C,ASP_101,1.87,-3.03,-0.05,1.15
 1MIX,LYS_357,10.54,-0.12,0,0.16
 2CXA,ARG_80,12.4,-0.1,0,0
 2D7U,LYS_94,10.76,-0.14,0,0.41
 3DZ1,TYR_36,13.56,0,0.34,3.21
 1TR9,HIS_23,5.7,-0.85,0,0.05
 1TXJ,LYS_40,10.36,-0.14,0,0
 2CWC,ARG_236,13.63,-0.17,0.8,0.5
 4AM1,LYS_16,10.25,-0.59,0,0.34
 1R9W,LYS_210,10.56,-0.23,0,0.29
 3GW3,GLU_278,4.48,2.66,-2.01,-0.68
 4FH3,GLU_375,4.72,0.24,0,-0.03
 1TXD,GLU_776,4.51,0.17,-0.15,0
 2AHE,LYS_238,10.53,-0.07,0,0.1
 1AK1,ASP_45,4.16,0,0.06,0.3
 1AK1,TYR_156,12.63,-0.23,0.19,2.68
 2FL4,ASP_67,3.82,0,-0.13,0.16
 2CN1,ASP_204,3.67,0,-0.44,0.32
 2ZCO,CYS_44,13.07,-0.03,0.61,3.49
 2DVK,ARG_171,11.26,-1.36,0,0.12
 2Z14,TYR_42,10.22,0,-0.12,0.33
 3HNX,ARG_79,13.53,-0.39,0.78,0.65
 4FLE,ASP_179,3.65,-0.38,-0.08,0.31
 2VAN,LYS_230,10.31,-0.24,0,0.05
 3I4T,ASP_259,2.91,1.76,-2.83,-0.91
 2BDD,TYR_122,9.51,-0.33,0.09,0.15
 1PSW,LYS_110,10.42,-0.08,0,0
 3EZ7,TYR_93,12.25,0,0.13,2.12
 1BN6,ARG_41,13.74,-0.57,1.22,0.6
 2CXC,HIS_19,6.17,-0.28,0,-0.05
 3TMO,TYR_292,11.61,0.03,1.24
 1U53,ARG_183,2.91,-1.06,-0.38,0.55
 2Z61,ASP_153,3.88,0,-0.03,0.11
 3U56,LYS_127,10.71,-0.36,0,0.57
 1NIJ,GLU_137,4.7,0.38,0,-0.17
 1FHL,TYR_218,12.33,0,0.46,1.87
 2F19,ARG_82,12.06,-0.19,0,-0.26
 3P28,ASP_211,3.52,-0.61,0.02,0.3
 2Q99,LYS_225,11.16,-0.58,0.85,0.38
 2H8O,LYS_301,10.15,-0.53,0,0.17
 3CO1,LYS_62,10.45,-0.24,0,0.19
 4FCU,ASP_166,4.07,0,0.12,0.15
 3IVF,LYS_278,11.66,-0.48,0.85,0.79
 3OOP,TYR_30,10.66,0.25,0.41
 2FPN,TYR_110,11.13,-0.05,0.24,0.94
 1VJG,TYR_47,11.06,-1.69,0.45,2.31
 3O16,LYS_73,11.15,-0.26,0.53,0.38
 2VGM,GLU_169,4.54,0.39,0,-0.35
 2EJX,LYS_65,11.13,-0.58,0.78,0.43
 3BZT,ASP_308,3.67,-0.66,0,0.52
 3RFY,ASP_414,3.38,-1.8,-0.56,1.95
 3IVF,LYS_324,10.45,-0.05,0,0
 2CXV,GLU_104,4.11,0.87,-0.85,-0.41
 3CO1,ASP_103,3.62,-0.15,-0.52,0.49
 3IU5,LYS_100,11.32,-0.73,0.85,0.7
 1WXF,GLU_91,3.73,0.33,-0.72,-0.38
 3F6F,ARG_13,11.83,-3.29,0.08,2.54
 2C13,LYS_33,10.2,-0.23,0,-0.07
 2P1W,GLU_141,4.67,0.25,0,-0.09
 1HUF,ARG_91,12.22,-0.28,0,0
 1MHN,CYS_146,9.45,-0.09,0.12,0.42
 3FK5,ARG_175,12.37,-0.29,0,0.16
 3LMO,GLU_72,3.5,0.25,-1.14,-0.1
 3AU3,ASP_700,3.82,0,0,0.02
 1L3K,ASP_27,3.44,-0.79,-0.19,0.62
 1NWA,ARG_158,11.15,-1.71,0,0.36
 2ZQ5,HIS_108,2.67,-2.91,0,-0.92
 1GPP,ARG_172,11.3,-1.67,0,0.47
 1UAJ,ARG_24,12.22,-0.28,0,0
 3RKV,TYR_207,10.13,-0.19,-0.13,0.44
 4H4J,LYS_239,10.42,-0.11,0,0.03
 1XTD,ASP_147,3.64,-0.16,-0.38,0.37

20GQ,HIS_489,7.1,-0.59,0.8,0.38
 2WB8,CYS_702,11.06,0.02,2.05
 1XFK,LYS_292,10.27,-1.01,0.0,0.78
 1XWM,GLU_58,3.97,0.25,-0.44,-0.34
 1IAP,ASP_128,3.87,0,-0.11,0.17
 3BQW,ASP_50,3.17,-1.06,0,0.43
 1AKO,LYS_169,10.36,-0.17,0,0.03
 3A4C,ARG_452,12.56,-0.38,0,0.45
 1IDK,TYR_202,10.52,0,0.26,0.27
 3VJ8,GLU_91,4.58,0.09,0,-0.01
 20OK,ARG_57,12.51,-0.14,0,0.15
 3HKX,GLU_117,4.24,2.36,-1.96,-0.67
 2POY,ASP_273,4.01,0,0,0.21
 2HRZ,ARG_254,11.55,-1.34,0,0.4
 4EZB,GLU_133,4.13,0.74,-0.58,-0.53
 1ZHV,ARG_52,12.48,-0.59,0,0.56
 2POL,HIS_141,5.62,-0.62,0.03,-0.3
 1FQI,ASP_339,1.36,-2.32,-0.52,0.41
 1U7U,CYS_351,12.38,0,0.3,38
 2YX0,TYR_125,11.23,0,0.1,23
 3ANJ,TYR_290,10.61,-0.25,0.03,0.83
 3BCY,LYS_79,10.49,-0.23,0,0.22
 2OEW,LYS_209,10.45,-0.09,0,0.04
 1J7G,ARG_39,12.68,-0.33,0,0.52
 4E6S,ASP_20,4.01,-0.14,0,0.35
 3ANJ,ASP_265,3.4,-1.56,-0.07,1.23
 1ZBP,GLU_263,4.41,0.14,0,-0.23
 2B61,LYS_227,11.47,-0.29,0.85,0.4
 1RAJ,LYS_405,10.48,-0.02,0,0
 1YOY,TYR_135,11.51,-0.6,0.55,1.55
 2Q12,HIS_59,6.28,-0.25,0,0.02
 2CN1,LYS_80,10.79,-0.31,0.12,0.48
 2OKT,HIS_154,6.09,-0.24,0,-0.17
 3V46,LYS_256,10.17,-0.33,0,0.01
 1OGL,GLU_152,4.74,0.24,0,0.01
 3DSH,CYS_347,9.17,-0.48,0.31,0.34
 3E7P,GLU_162,3.67,0.35,-0.85,-0.33
 2D2S,ASP_544,3.43,-0.86,-0.5,0.99
 2G9D,LYS_119,10.49,-0.46,0.26,0.19
 1DOV,ARG_121,12.39,-0.11,0,0
 3M16,ARG_327,13.58,-0.43,0.83,0.68
 1Z3X,TYR_83,10.38,-0.42,-0.44,1.24
 1NRI,LYS_256,10.33,-0.15,0,-0.02
 1DOV,TYR_177,10.73,0,-0.17,0.89
 3HST,ASP_268,2.87,-0.85,-0.48,0.39
 2JEO,TYR_130,10.21,0,-0.06,0.28
 3D5H,CYS_330,11.26,-0.48,-0.72,3.47
 1ZKZ,LYS_10,10.48,-0.39,0,0.37
 2BV9,LYS_83,10.56,-0.13,0,0.19
 1WNH,ASP_100,4.09,0,-0.05,0.33
 3AUF,LYS_131,11.43,-0.28,0.81,0.39
 1YM5,LYS_67,11.21,-0.91,0.85,0.77
 3PBH,ARG_20,13.33,-0.28,0.73,0.39
 1JB3,GLU_54,4.83,0.34,0,-0.02
 1PSW,HIS_324,6.1,-0.39,0,0
 4DBX,GLU_10,5.15,0.46,0,0.19
 2G5X,LYS_205,10.58,-0.11,0,0.19
 3NZL,HIS_7,6.2,-0.27,0,-0.03
 3JZ9,HIS_338,6.2,-0.09,0,-0.2
 3COU,GLU_118,4.65,0.15,0,0
 3EJG,ASP_18,2.61,-1.59,0,0.39
 2Q5X,LYS_735,10.63,-0.13,0,0.27
 3LH5,ARG_757,11.75,-0.75,0,0
 2CWY,GLU_87,3.37,0.89,-1.65,-0.37
 3JV1,ASP_184,4.34,0.23,0.32
 1KCM,ASP_243,2.97,-1.06,-0.17,0.41
 2ZQ5,GLU_126,4.31,1.95,-0.67,-1.48
 2OEW,LYS_339,10.42,-0.08,0,0
 2JHY,ASP_188,3.46,-0.85,-0.19,0.7
 3HUE,ARG_155,12.61,-0.61,0.05,0.66
 3UPD,LYS_153,11.15,-0.53,0.61,0.58
 3ZXY,ARG_268,12.28,-0.35,0,0.14
 3UC9,GLU_130,4.79,0.15,0,0.14
 3V46,GLU_285,4.56,0.16,0,-0.12
 3V55,ARG_435,12.33,-0.34,0,0.17
 1KN3,ARG_146,10.21,-2.43,0,0.14
 3E0H,HIS_40,6.37,-0.22,0,0.09
 3CIV,ARG_14,11.24,-1.26,0,0
 2C2Y,ASP_205,2.94,-1.06,-0.45,0.67
 1JT9,GLU_80,4.03,0.25,-0.61,-0.11
 2AH5,TYR_208,11.03,0.33,0.71
 1WXF,LYS_173,10.21,-0.52,0,0.23
 3ETU,GLU_229,4.59,0.09,0,0
 2GZQ,LYS_36,10.17,-0.32,0,-0.01
 3BPP,ARG_208,12.44,-0.06,0,0
 1N81,LYS_150,10.39,-0.11,0,0
 2YX0,LYS_168,11.27,-0.52,0.85,0.45
 1V6T,ASP_138,4.01,0,0,0.21
 1R5S,GLU_52,4.59,0.1,0,-0.01
 3QKY,ARG_223,13.38,-0.37,0.81,0.45
 3ONH,LYS_455,10.82,-0.33,0.16,0.5
 2BLL,GLU_545,3.08,1.09,-1.34,-1.15
 2RFA,HIS_73,6.39,-0.66,0.1,0.45
 2QVO,TYR_22,10.29,-0.1,-0.14,0.53
 2XMX,GLU_120,4.39,0.27,-0.31,-0.08
 3A7L,TYR_9,13.13,0,0.71,2.43
 3L3P,GLU_449,4.23,0.73,-0.65,-0.35
 2CVB,ARG_25,13.11,-0.39,0.61,0.38
 1J33,HIS_283,4.23,-3.2,1.25,-0.32
 3R87,LYS_29,10.39,-0.23,0,0.13
 3M66,GLU_401,4.55,0.2,0,-0.15
 3J5N,ARG_177,12.36,-0.29,0,0.14
 2BT8,ASP_310,3.83,-0.14,-0.07,0.23
 2NYC,TYR_231,10.26,0,0,0.26
 1T3J,LYS_718,10.4,-0.1,0,0
 3MTT,CYS_501,9.33,0,0.09,0.24
 2CIU,LYS_160,10.47,-0.16,0,0.14
 3I82,ARG_131,12.37,-0.17,0,0.04
 3V55,ASP_642,3.32,-0.59,-0.22,0.34
 2FZ4,TYR_54,10.46,0.05,0.41
 2ZCO,ARG_159,13.13,-0.78,0.6,0.81
 3ELI,LYS_138,10.37,-0.42,0,0.29
 2QOP,ARG_131,12.32,-0.21,0,0.03
 4F85,ARG_158,13.53,-0.49,0.97,0.55
 1T3J,LYS_689,10.73,-0.15,0.38,0
 1ZP2,ARG_45,12.66,-0.51,0.18,0.49
 3EVP,GLU_248,4.08,0.33,-0.79,0.03
 1BGF,LYS_75,10.45,-0.05,0,0
 3K85,HIS_394,5.24,-1.71,0.13,0.32
 3N0K,LYS_84,11.2,-0.36,0.16,0.9
 3RLN,LYS_628,11.11,-0.7,0.74,0.56
 2W2S,GLU_137,4.68,0.41,0,-0.23
 3GYW,ASP_134,4.36,0,-0.27,0.85
 3LJC,GLU_128,4.59,0.25,0,-0.16
 2DG7,ASP_109,3.53,-0.21,-0.8,0.75
 3F1X,ARG_118,12.33,-0.17,0,0
 4EKU,ASP_293,3.37,-0.76,0.32,0.3
 2OB5,GLU_94,3.08,0.45,-1.67,-0.19
 1Q2Y,ARG_19,12.82,-2.81,1.39,1.74
 3F7M,HIS_150,5.89,-1.47,0.4,0.46
 1G5Z,GLU_121,4.4,0.18,0,-0.28
 1T6L,ASP_249,3.19,-0.81,-0.06,0.26
 3IVF,ARG_178,12.78,-0.36,0.16,0.48
 4FZR,GLU_143,4.57,0.13,0,-0.06
 2WB8,GLU_482,3.88,0.23,-0.69,-0.16
 2OKT,ARG_143,13.35,-2.28,0.09,3.04
 4GCO,LYS_147,9.96,-0.55,0,0.01
 1RZ2,TYR_138,13.67,0.47,0.52,2.68
 3M7D,GLU_21,4.9,0.49,0,-0.1
 2W0G,ARG_246,12.43,-0.07,0,0
 1SUU,ASP_540,3.57,-0.41,-0.05,0.22
 3J5N,ASP_291,4.44,0,0.17,0.47
 4E8B,LYS_133,11.09,-0.28,0.4,0.47
 1DZF,GLU_163,4.66,0.17,0,-0.02
 1ZCE,ASP_48,4.63,-0.74,-0.33,1.9
 2V4U,LYS_392,10.2,-0.33,0,0.03
 2PLQ,CYS_300,8.53,-0.8,-0.21,0.54
 1EDG,ASP_112,4.07,0,-0.13,0.4
 1S17,LYS_96,10.14,-0.3,0,-0.06
 2QVT,GLU_75,4.6,0.08,0,0.02
 1KCM,ARG_246,12.69,-0.2,0,0.39
 2BLL,CYS_558,11.57,-0.14,0.19,2.53
 2BLL,GLU_644,5.55,1.01,-0.07,0.1
 3ZSL,ARG_183,12.39,-0.07,0,-0.04
 4DND,ARG_94,12.22,-0.24,0,-0.04
 1Q46,LYS_103,11.46,-0.37,0.68,0.65
 2E3C,LYS_429,10.18,-0.68,0,0.36
 3F7M,TYR_241,10.3,0.05,0.25
 2EJX,LYS_109,10.33,-0.17,0,0
 3TOW,CYS_95,11.29,-0.16,0.1,2.34
 4DND,TYR_25,11.43,0.28,0.64,0.51
 3ONH,LYS_468,11.16,-0.37,0.65,0.38
 1JT9,GLU_54,4.53,0.31,0,-0.29
 1AD6,LYS_530,11.37,-0.45,0.85,0.48
 3EX9,ARG_129,12.4,-0.48,0,0.38
 3EIZ,TYR_31,10.33,0.03,0.3
 1EV8,ASP_85,2.73,-1.63,0,0.56
 2V81,TYR_137,10.68,0.14,0.54
 2Q13,LYS_130,10.47,-0.48,0,0.45
 2ZCO,LYS_17,10.41,-0.09,0,0
 1XEU,ARG_144,13.42,-0.28,0.58,0.63
 2CXA,ARG_37,13.15,-0.99,1.21,0.43
 3GOZ,LYS_253,10.42,-0.25,0.18
 1VJG,LYS_41,10.44,-0.23,0.16
 2D2S,ARG_591,13.33,-0.76,0.86,0.72
 1LTU,ARG_35,12.24,-0.44,0,0.18
 1ZCU,ARG_32,12.14,-0.79,0,0.43
 2ZOM,ARG_115,12.47,-0.52,0,0.49
 1D2K,LYS_159,11.11,-0.98,0.85,0.74
 3V4G,HIS_91,6.45,-0.56,0.07,0.43
 4DIU,HIS_191,6.29,-0.24,0,0.02
 2VGM,ASP_295,3.04,-0.76,-0.65,0.65
 3I4T,LYS_267,10.91,-0.43,0.46,0.38
 1OGL,LYS_275,10.76,-0.5,0.53,0.24
 2CIU,LYS_219,10.45,-0.06,0,0
 1RKA,ARG_227,13.64,-0.61,1.04,0.72
 2OBI,HIS_168,6.34,-0.22,0,0.05
 1P6F,HIS_40,6.55,-0.8,0.85,0
 2A4D,ARG_131,12.59,-0.07,0,0.16
 1YTD,CYS_114,10.73,-0.76,0.15,2.34
 3LD1,ASP_338,3.76,0,-0.16,0.12
 3M16,GLU_254,4.11,0.23,-0.62,0
 1FHL,TYR_209,10.81,-0.85,-0.03,1.68
 2OJQ,ASP_465,2.47,-1.89,-0.68,1.24
 1RZ2,ASP_195,3.78,-0.33,-0.11,0.42
 3ADU,ARG_208,12.56,-0.6,0.32,0.33
 3NJO,TYR_48,13.39,0.33,3.06
 1DOV,LYS_238,10.42,-0.23,0,0.15
 2CVB,TYR_112,13.31,-0.36,0.13,3.54
 3LQE,TYR_328,13.85,0.01,3.84
 3LD1,TYR_332,12.16,0.0,11,2.06
 2FM9,LYS_147,10.43,-0.07,0,0
 3IVF,ARG_82,11.92,-0.89,0,0.3
 1DVO,ASP_102,3.8,0,-0.21,0.21
 2C13,ARG_41,12.87,-0.27,0,0.64
 3M70,LYS_9,10.27,-0.18,0,-0.05
 2X4G,ARG_253,12.46,-0.52,0.09,0.39
 1UCH,HIS_175,6.21,-1.16,0.64,0.24
 1WJG,GLU_20,4.6,0.14,0,-0.04
 3DSH,GLU_446,3.95,0.31,-0.54,-0.32
 1BN6,ARG_170,13.9,-0.72,1.42,0.71
 3CAN,TYR_99,10.55,0.19,0.15
 2H85,ARG_138,12.68,-0.27,0.34,0.32
 4E8B,ASP_73,2.54,-1.59,-0.14,0.46
 1XEU,ASP_154,3.83,-0.78,-0.01,0.82
 3P2F,ARG_172,12.37,-0.25,0,0.12
 3ETU,LYS_201,10.52,-0.15,0,0.17
 3V46,HIS_381,6.06,-0.29,0,-0.13
 1IAP,LYS_214,10.06,-0.89,0,0.46
 3M3P,ARG_242,12.22,-0.32,0,0.04
 2ZCX,ARG_112,13.56,-1.15,1.36,0.85
 4DND,ARG_51,12.6,-0.2,0.03,0.28
 1KW4,TYR_35,10.49,0,0.1,0.4
 3F14,LYS_44,10.59,-0.16,0,-0.05
 2AD1,ARG_104,13.32,-1.51,1.54,0.79
 4D8L,ARG_146,12.68,-0.49,0.32,0.36
 3LPZ,TYR_263,11.14,0,0.1,14
 2NYC,ASP_285,2.84,-0.82,-0.45,0.3
 3F6M,TYR_91,9.12,-0.9,-0.49,0.5
 3EGN,LYS_477,10.4,-0.09,0,-0.01
 3QKY,LYS_158,11.19,-0.82,0.59,0.92
 4E9E,ASP_498,4.23,0,0.17,0.27
 2OKT,TYR_235,10.59,0.26,0.32
 2CIU,ASP_206,3,-1.32,-0.54,1.05
 1JSX,ARG_139,12.12,-0.54,0,0.17
 3G9T,GLU_293,4.33,0.43,-0.29,-0.31
 1EDG,ARG_237,12.35,-0.15,0,0
 2Q98,ARG_21,12.5,-0.15,0,0.15
 1KCM,GLU_79,4.56,0.07,0,-0.02
 4DNU,GLU_182,4.2,1.4,-0.76,-0.94
 1KCM,TYR_103,10.18,0.01,0.17
 2CYG,TYR_108,10.58,0,-0.19,0.77
 2V4U,GLU_483,8.15,4.35,-0.61,-0.09
 3I4T,HIS_246,4.72,-2.06,0.43,-0.15
 2BAA,ARG_187,12.3,-1.04,0.49,0.34
 1O6D,GLU_79,3.87,0.24,-0.8,-0.06
 3GYW,TYR_54,10.29,0,0.12,0.17
 2U0V,ASP_136,13.14,-1.3,0.68,1.26
 1PBV,ARG_69,12.21,-0.6,0.3
 2BV9,ASP_94,4.66,0,-0.07,0.93
 1V8E,ARG_113,12.38,-0.33,0,0.2
 4DIU,LYS_138,11.78,-1.29,1.7,0.87
 3Q9P,LYS_112,11.26,-0.26,0.58,0.43
 1XAW,HIS_499,6.13,-0.43,0.06
 2XJ4,HIS_123,4.46,-2.84,0.81,0
 1O6D,HIS_145,6.48,-0.43,0.07,0.34
 2V4U,GLU_460,4.5,0,0,0
 3DZ1,HIS_19,6.47,-0.48,0,0.44
 2WB8,HIS_666,6.02,-0.32,0,-0.15
 1W7B,LYS_152,10.33,-0.4,0.28,0.12
 1U7U,GLU_386,3.9,0.5,-0.81,-0.27
 2H85,TYR_342,10.38,-0.11,-0.15,0.63
 2FG1,LYS_131,10.55,-0.23,0,0.28
 2YWX,LYS_157,10.36,-0.14,0,0
 1LPL,ASP_136,3.55,-0.48,-0.15,0.38
 2F5S,ASP_101,3.83,0,-0.09,0.12
 1RWZ,ASP_40,2.7,-2.52,-0.06,1.49
 2ZQ5,LYS_378,10.63,-0.21,0,0.34
 1RZ2,ASP_144,2.33,-2.44,-0.29,1.26
 2G5P,ARG_392,12.46,-0.23,0,0.12
 3D59,GLU_13,4.51,0.18,0,-0.17
 3ETU,LYS_66,10.33,-0.13,0,-0.04
 2R0S,TYR_287,10.78,0.16,0.21,0.4
 1ZP2,LYS_71,10.85,-0.35,0.09,0.61
 1V6T,ARG_46,13.28,-0.36,0.84,0.3
 2R57,GLU_311,4.64,0.16,0,-0.03

4FLE, TYR_159, 12.47, 0.039, 2.08
 1D2K, ASP_337, 3.75, -0.48, -0.04, 0.46
 2A0J, GLU_34, 4.47, 0.48, -0.04, -0.46
 1XEU, ASP_117, 2.89, -0.85, -0.43, 0.38
 2QK1, CYS_400, 12.42, 0.022, 3.2
 1AK1, LYS_246, 10.59, -0.12, 0.0, 2
 2A1V, ARG_125, 12.17, -0.49, 0.0, 16
 1RSS, LYS_29, 9.63, -0.67, 0, -0.21
 3ETU, GLU_45, 4.66, 0.2, -0.03, 0
 3CRM, TYR_106, 12.79, 0.051, 2.27
 1ZBS, ASP_91, 12.77, -0.26, 0.0, 54
 2RIK, ARG_96, 12.31, -0.23, 0.0, 0.04
 1UAJ, HIS_180, 6.3, -0.28, 0.0, 0.09
 2QOP, ARG_192, 12.86, -0.34, 0.14, 0.57
 2GZQ, LYS_144, 11.32, -0.64, 0.64, 0.82
 3BB7, ASP_67, 3.4, -0.85, 0.0, 45
 3ERF, LYS_55, 10.45, -0.08, 0.0, 0.03
 2BOJ, LYS_105, 10.41, -0.12, 0.0, 0.03
 2QK1, TYR_445, 12.09, 0.64, 0.4, 1.06
 1NIJ, ARG_154, 11.81, -1.2, 0.0, 51
 3DTE, CYS_116, 12.12, -0.04, 0.48, 2.68
 1GXN, LYS_522, 11.25, -0.57, 0.85, 0.85
 1UCH, ASP_33, 4.41, -0.24, 0.0, 85
 1CHD, ARG_172, 12.29, -0.28, 0.0, 0.07
 1MUF, GLU_212, 7.75, 4.87, -2.45, 0.82
 3GW3, HIS_223, 5.74, -1.12, 0.42, -0.07
 3TRE, ARG_50, 12.42, -0.08, 0.0
 2QDJ, HIS_339, 7.38, -0.47, 0.85, 0.5
 2FC3, ASP_14, 3.54, -0.32, -0.19, 0.24
 2POL, GLU_140, 4.68, 0.26, 0, -0.08
 1LPL, TYR_184, 11.88, -0.02, -0.4, 2.3
 2Q12, TYR_36, 10.14, 0, -0.02, 0.16
 4FCU, LYS_37, 10.38, -0.28, 0.0, 16
 2ZCX, ARG_148, 13.02, -0.3, 0.12, 0.7
 2YXO, GLU_187, 4.68, 0.92, -0.32, -0.4
 2FZP, ASP_298, 3.74, -0.22, 0.0, 16
 1GPP, TYR_176, 11.22, -0.01, 0.16, 1.08
 2OSA, ARG_281, 13.7, -1.11, 1.31, 1.01
 1PSW, GLU_230, 4.49, 0.46, 0, -0.47
 1JT9, GLU_123, 4.51, 0.35, -0.01, -0.33
 1WPS, GLU_294, 4.76, 0.08, 0.0, 17
 3M70, LYS_43, 10.38, -0.15, 0.0, 0.02
 1I60, GLU_91, 3.67, 0.29, -0.85, -0.26
 3UAH, ASP_194, 2.82, -0.85, -0.57, 0.44
 2IRM, GLU_313, 4.61, 0.59, -0.28, -0.2
 2XMZ, GLU_121, 4.71, 0.17, 0.0, 0.04
 1DUP, LYS_4, 10.49, -0.05, 0.0, 0.04
 1L2FL, LYS_95, 10.27, -0.2, 0, -0.04
 1MD6, TYR_88, 9.43, -0.83, -0.35, 0.6
 2E3S, LYS_573, 10.06, -0.25, 0, -0.19
 2E3H, HIS_276, 5.85, -0.32, 0, -0.34
 2FGG, ARG_29, 12.59, -0.17, 0.01, 0.26
 3BPV, ARG_16, 12.12, -0.29, 0, -0.1
 3I82, CYS_197, 10.65, -0.05, 0, 1.7
 2P4D, TYR_35, 10.3, -0.06, -0.42, 0.77
 1DTP, HIS_29, 5.6, -2.01, 0.85, 0.27
 2NRK, TYR_131, 12.36, -0.6, 0.23, 2.73
 2V4X, ARG_124, 12.67, -0.84, 0.59, 0.42
 2PPN, ARG_57, 13.74, -0.38, 0.87, 0.74
 3JRT, GLU_161, 3.93, 0.72, -0.85, -0.44
 1MTZ, GLU_85, 8.27, 4.47, -0.7, 0
 2J8A, LYS_360, 10.34, -0.16, 0, 0
 1GPP, ASP_430, 4.17, 0.0, 15.0, 23
 1JKS, TYR_39, 11.08, 0.0, 41.0, 68
 2X5Y, ASP_769, 4.09, 0.0, 0.28
 2CVB, GLU_33, 4.36, 0.54, -0.49, -0.18
 3F53, ARG_108, 13.34, -0.76, 0.81, 0.78
 2Z61, CYS_125, 10.22, -0.78, -0.16, 2.17
 2EHG, TYR_5, 10.42, -0.01, -0.3, 0.73
 1AM2, HIS_144, 6.04, -0.34, 0, -0.12
 1ANU, LYS_92, 10.46, -0.26, 0.0, 23
 2W1R, GLU_128, 4.09, 1.65, -1.62, -0.45
 2YXO, GLU_314, 3.58, 0.68, -0.85, -0.74
 4DIU, ARG_190, 13.73, -0.52, 1.37, 0.38
 2BT8, ASP_277, 3.96, 0, -0.13, 0.29
 3OBS, LYS_98, 10.51, -0.17, 0.0, 18
 3EGN, HIS_430, 6.26, -0.31, 0.0, 0.07
 3RE9, GLU_205, 3.66, 0.41, -0.8, -0.46
 3UX2, ARG_138, 12.23, -0.27, 0.0
 3CAN, GLU_106, 4.63, 0.34, 0, -0.2
 3RFY, LYS_195, 10.53, -0.2, 0.0, 23
 2WB8, GLU_488, 4.81, 0.36, 0, -0.05
 3K8J, LYS_31, 10.43, -0.07, 0.0
 3CZC, LYS_85, 10.6, -0.16, 0.0, 26
 3UOV, ASP_219, 3.97, 0, -0.25, 0.43
 2AD1, ASP_40, 3.55, -0.48, -0.29, 0.52
 3K8J, TYR_103, 9.91, -0.1, -0.27, 0.28
 3H13, HIS_469, 5.57, -0.93, 0.0
 4ETX, ASP_430, 4.06, -0.04, 0.0, 29
 2Z0W, ARG_28, 13.27, -0.31, 0.73, 0.35
 2VGM, GLU_334, 4.47, 0.32, -0.22, -0.12
 2ZTY, ARG_84, 11.39, -0.92, 0, -0.19
 2A1V, TYR_112, 12.41, 0.0, 2.41
 2PGX, GLU_138, 4.1, 0.24, -0.49, -0.15
 1X1E, ARG_186, 11.89, -0.81, 0.0, 2
 2WOZ, LYS_605, 10.45, -0.05, 0.0, 0.01
 3KEY, GLU_488, 3.69, 0.38, -0.81, -0.37
 3GW3, ARG_120, 12.5, -0.65, 0.23, 0.42
 2G55, ASP_121, 3.37, -0.78, 0.0, 35
 1EYH, ASP_118, 2.69, -1.31, -0.35, 0.56
 2D25, LYS_707, 10.36, -0.15, 0.0, 0.01
 3K8J, ASP_71, 3.79, 0, -0.51, 0.5
 1TXJ, LYS_43, 10.41, -0.09, 0.0
 1YG2, ASP_84, 4.04, 0.0, 0.24
 4DNU, GLU_262, 4.93, 0.18, 0.0, 25
 3JZ9, LYS_351, 10.41, -0.21, 0.0, 12
 1YOK, GLU_30, 5.07, 1.96, -0.78, -0.6
 3EVP, TYR_64, 9.97, -0.38, -0.01, 0.36
 3BA1, ARG_162, 13.58, -0.61, 0.95, 0.73
 1WXQ, ARG_376, 12.39, -0.11, 0.0
 2YYO, LYS_9, 11.16, -0.26, 0.52, 0.4
 3K9I, GLU_75, 4.48, 0.34, 0, -0.35
 1JYH, LYS_10, 11.42, -0.21, 0.73, 0.41
 2G2D, TYR_36, 10.46, 0.0, 25, 0.2
 1KN3, HIS_23, 6.25, -0.41, 0.0, 16
 2OEW, TYR_291, 10.76, 0, -0.05, 0.81
 1PDB, LYS_68, 10, -0.32, 0, -0.18
 1PZC, LYS_10, 10.26, -0.3, 0.0, 0.06
 3IRA, LYS_114, 10.03, -0.46, 0, -0.01
 2G55, GLU_44, 4.6, 0.1, 0.0
 1YTD, ASP_31, 3.89, -0.1, 0.0, 18
 3EVZ, GLU_111, 5.38, 2.21, -1.46, 0.14
 1DUN, ASP_16, 3.02, -0.75, -0.42, 0.39
 3RKV, LYS_208, 10.51, -0.09, 0.0, 1
 1X6J, CYS_13, 12.01, 0, -0.09, 3.09
 1R15, LYS_111, 10.41, -0.09, 0, -6.94E-18
 1E5S, TYR_179, 11.47, 0.0, 12.1, 35
 2B61, HIS_181, 6.03, -0.26, 0, -0.22
 2CXV, LYS_102, 10.38, -0.25, 0.0, 13
 4DNU, HIS_264, 5.18, -1.14, 0, -0.18
 3S0A, ASP_24, 3.69, 0, -0.33, 0.22
 4AF2, GLU_160, 4.14, 0.31, -0.82, 0.15
 3DTE, ASP_92, 3.14, -0.87, -0.29, 0.51
 2CYG, ASP_128, 3.9, 0, -0.02, 0.12
 3RFY, ARG_148, 12.92, -0.28, 0.37, 0.33
 2XHC, LYS_320, 10.48, -0.21, 0.0, 19
 2G55, GLU_140, 4.73, 0.37, 0, -0.15
 1O9G, ARG_235, 11.22, -1.48, 0.0, 2
 2A1V, GLU_106, 3.38, 0.92, -1.56, -0.48
 2HNG, TYR_17, 11.31, -0.85, 0.2, 16
 3F1X, TYR_6, 10.39, 0.0, 0.39
 1ZBP, ARG_49, 12.36, -0.33, 0.0, 18
 1OGL, GLU_219, 4.57, 0.07, 0.0
 3G9G, ASP_38, 4.13, 0, -0.02, 0.35
 2PGX, GLU_40, 4.55, 0.17, 0, -0.13
 2EVI, ASP_58, 3.2, -1.36, -0.16, 0.93
 1J85, ASP_40, 3.86, 0, -0.14, 0.19
 3E5T, LYS_6, 10.4, -0.1, 0.0, 0.01
 2QK1, LYS_330, 10.5, -0.04, 0.0, 0.04
 3N2T, ASP_303, 3.73, 0, -0.23, 0.16
 1RSS, ASP_33, 3.96, 0.0, 0.16
 4EF5, TYR_261, 11.71, -0.8, 0.36, 2.15
 1PVT, HIS_149, 5.89, -0.68, 0.0, 0.07
 2C13, ARG_207, 12.55, -0.08, 0.0, 13
 3ETU, LYS_151, 10.49, -0.11, 0.0, 1
 2WB8, GLU_606, 4.98, 0.56, 0, -0.08
 3ELI, TYR_65, 10.17, 0, -0.09, 0.26
 1MTZ, TYR_18, 13.4, 0.85, 0.65, 1.91
 1TXJ, LYS_114, 10.49, -0.11, 0.0, 0.09
 2CFY, GLU_2, 4.27, 0.2, 0, -0.43
 4XD6, HIS_25, 4.26, -2.44, 0.0, 21
 2RIK, GLU_116, 3.37, 0.33, -0.85, -0.62
 1RHS, HIS_203, 5.36, -1.92, 0.74, 0.05
 3OKQ, ASP_582, 4.04, 0.0, 0.03, 0.21
 1PVT, GLU_117, 4.48, 0.18, 0, -0.2
 1VJG, GLU_196, 5.73, 1.48, 0, -0.23
 3BPP, ASP_51, 2.51, -1.23, -0.66, 0.6
 2QZQ, HIS_94, 6.41, -0.59, 0.41, 0.1
 2E3H, GLU_245, 4.47, 0.57, -0.34, -0.26
 2OSA, ARG_348, 11.92, -0.74, 0.0, 16
 2I88, GLU_365, 4.52, 0.21, 0, -0.19
 1Q2Y, LYS_75, 10.34, -0.2, 0.0, 0.03
 3NOK, LYS_4, 10.37, -0.13, 0.0
 1MTZ, GLU_140, 3.82, 0.98, -0.99, -0.67
 1R3D, HIS_120, 3.58, -2.09, 0, -0.82
 3FRR, ASP_146, 3.98, 0, -0.06, 0.23
 3HNX, ARG_90, 12.16, -0.52, 0.0, 19
 3N2T, GLU_144, 4.87, 1.24, -0.55, -0.32
 3JZN, TYR_278, 13.56, 0.85, 0.66, 2.05
 1NFN, TYR_162, 10.05, -0.32, -0.07, 0.45
 2PLQ, LYS_28, 10.77, -0.74, 0.24, 0.76
 2B78, LYS_353, 10.5, -0.05, 0.0, 0.05
 1UAJ, LYS_107, 10.13, -0.38, 0.0, 0.01
 1ACJ, GLU_796, 5.11, 2.52, -2.25, 0.34
 1L2FL, LYS_43, 10.28, -0.22, 0.0
 2Q99, ARG_131, 11.24, -1.78, 0.0, 52
 1M5I, GLU_211, 4.49, 0.23, 0, -0.24
 2BLL, ARG_624, 13.54, -0.26, 0.74, 0.56
 3GG6, LYS_40, 10.45, -0.05, 0.0
 3FWU, GLU_87, 3.78, 0.58, -0.83, -0.48
 1TUL, TYR_34, 10.04, -0.55, 0.02, 0.57
 1YTQ, LYS_139, 10.42, -0.37, 0.0, 29
 3M7D, ARG_317, 12.99, -0.29, 0.4, 0.38
 2FD4, ASP_513, 3.96, 0.0, 0.16
 2H8O, TYR_120, 11.51, 0.0, 17.1, 34
 2BOJ, LYS_130, 11.13, -0.26, 0.42, 0.47
 3GYW, ASP_119, 3.61, -0.14, -0.22, 0.17
 3BCY, TYR_54, 10.6, 0.25, 0.35
 3B7H, ARG_47, 12.2, -0.3, 0.0
 3EJC, GLU_55, 4.59, 0.09, 0.0
 1WJG, GLU_25, 4.04, 0.44, -0.54, -0.36
 2PGX, GLU_29, 3.46, 0.25, -0.85, -0.43
 2IQT, GLU_157, 3.38, 0.31, -1.01, -0.43
 2CBE, LYS_170, 9.85, -0.73, 0.0, 0.08
 2QZQ, ARG_93, 12.1, -0.42, 0.0, 0.01
 2B78, ASP_133, 3.82, 0, -0.22, 0.24
 2D7J, ASP_69, 3.62, -0.42, -0.14, 0.38
 2NRR, GLU_348, 4.58, 0.32, 0, -0.25
 3CSR, LYS_123, 10.62, -0.18, 0.0, 3
 1WOU, HIS_22, 7.11, -0.55, 1.19, -0.04
 3T57, HIS_215, 6.16, -0.61, 0.74, -0.46
 2E3C, GLU_283, 3.83, 0.33, -1.03, 0.02
 1JKS, GLU_7, 2.94, 0.4, -1.68, -0.28
 3G9T, HIS_214, 5.64, -0.96, 0.0, 1
 1R5Q, CYS_93, 9.32, -0.03, 0.07, 0.28
 1O6D, LYS_86, 10.46, -0.13, 0.0, 1
 2CYG, TYR_207, 10.68, 0.0, 21, 0.47
 1X7F, ARG_203, 13.75, -1.56, 1.5, 1.31
 1HUF, GLU_19, 4.61, 0.08, 0.0, 0.03
 2ZQ5, ARG_227, 11.22, -1.4, 0.0, 12
 3K9I, TYR_114, 11, -0.08, 0.15, 0.92
 2H2Z, ARG_4, 12.42, -0.08, 0.0
 3CRM, ARG_314, 12.36, -0.14, 0.0
 1MUE, LYS_283, 4.38, 0.29, 0, -0.4
 2C13, GLU_121, 4.56, 0.08, 0, -0.02
 1EV8, ASP_214, 3.86, 0, -0.11, 0.17
 2QK0, ARG_32, 12.52, -0.09, 0.0, 1
 1J85, HIS_60, 4.75, -1.57, 0, -0.18
 1UXO, GLU_158, 4.6, 0.4, 0, -0.3
 2XHC, LYS_17, 10.88, -0.22, 0.0, 6
 1TJE, TYR_155, 12.75, 0.85, 0.54, 1.36
 1YB2, GLU_122, 4.11, 1.19, -1.57, -0.01
 2D25, ARG_664, 11.27, -2.29, 0.44, 0.63
 2C13, HIS_206, 6.08, -0.53, 0.33, -0.22
 2D0A, ARG_167, 13.22, -0.3, 0.7, 0.31
 3HUE, LYS_14, 10.46, -0.16, 0.0, 13
 2FBI, TYR_113, 10.72, 0, -0.35, 1.07
 1EW4, ASP_27, 4.24, 0.31, 0.14
 3EX9, ARG_24, 13.53, -0.43, 0.93, 0.54
 2O4D, ASP_58, 3.61, 0, -0.72, 0.53
 3M3P, HIS_28, 6.38, -0.16, 0.0, 0.4
 3CN5, TYR_159, 10.28, 0.0, 0.28
 3LQE, ASP_512, 3.39, -0.52, -0.29, 0.4
 1R5Q, LYS_15, 12.01, -0.83, 1.59, 0.76
 3ETV, LYS_32, 10.39, -0.3, 0.0, 19
 3K1H, GLU_42, 3.8, 0.48, -0.85, -0.33
 3EVP, GLU_269, 3.55, 0.38, -0.72, -0.62
 2DFL, LYS_232, 10.66, -0.24, 0.0, 4
 3ZXY, ASP_125, 4.26, 0.28, 0.19
 3ETV, TYR_238, 11.8, 0.33, 1.48
 3FHF, LYS_79, 10.93, -0.16, 0.0, 58
 2JHY, GLU_163, 4.71, 0.92, -0.81, 0.09
 1CHD, ARG_255, 12.23, -0.3, 0.0, 0.03
 1XEU, TYR_246, 9.37, -0.85, -0.28, 0.51
 3CGW, LYS_234, 9.75, -0.78, 0.0, 0.03
 3LJC, ASP_123, 3.69, -0.45, 0.0, 34
 2RIS, ARG_111, 11.57, -0.95, 0.0, 0.02
 2V4X, LYS_17, 10.5, 0.0, 0
 1EQ6, ARG_72, 13.21, -0.21, 0.78, 0.14
 1YTL, ARG_97, 13.34, -0.36, 0.63, 0.57
 4E65, HIS_43, 6.32, -0.6, 0.77, -0.36
 1YTQ, HIS_132, 6.11, -0.42, 0.0, 0.04
 2F4Q, ARG_137, 11.55, -1.28, 0.0, 33
 2W0G, ARG_231, 12.53, -0.58, 0.0, 61
 1NWA, GLU_138, 2.76, 1.13, -2.47, -0.39
 1ZCE, TYR_35, 9.11, -0.75, -0.45, 0.31
 2Q12, ASP_122, 2.4, -2.23, -0.87, 1.7
 2QEV, ARG_89, 12.7, -0.54, 0.26, 0.48
 2CBE, HIS_17, 5.58, -0.39, 0, -0.52
 2RGY, HIS_156, 6.45, -0.39, 0.37, 2.78E-17
 1AIL, ARG_38, 13.4, -0.18, 0.66, 0.41
 3GG6, CYS_43, 9.45, -0.04, -0.39, 0.88
 2B3M, CYS_142, 11.57, 0.0, 2.58
 3IOO, ARG_290, 12.35, -0.31, 0.0, 16
 3HUE, GLU_315, 4.61, 0.2, 0, -0.1
 2FBQ, GLU_147, 4.7, 0.31, 0, -0.1

3M7D,GLU_256,5.06,0.75,0,-0.2
3CNU,GLU_3,3.83,0.26,-0.63,-0.3
1Z3X,ARG_196,12.42,-0.12,0,0.04
1Y0K,TYR_6,10.36,0,-0.01,0.38
2WOZ,CYS_419,10.55,-0.52,-0.17,2.24
1KCM,HIS_136,6.18,-0.31,0,-0.01
2OGQ,GLU_460,4.75,0.6,-0.3,-0.06
1W7B,LYS_148,10.46,-0.26,0,0.22
3JSN,ARG_165,11.39,-2.25,0.22,0.93
3T5B,HIS_182,5.22,-1.36,0,0.08
1Y2Q,GLU_37,3.64,0.32,-0.85,-0.33
2G3A,TYR_24,9.55,-0.72,0,0.27
3OA7,LYS_503,10.38,-0.12,0,0
3Q1C,ASP_162,3.85,-0.37,0.06,0.37
3Q2C,TYR_77,10.73,0,0.11,0.63
2RJD,GLU_313,3.87,0.34,-0.71,-0.26
3E5T,CYS_172,11.79,-0.17,0.01,2.96
3QKY,GLU_235,4.62,0.79,-0.22,-0.45
2YX0,ASP_132,2.91,-0.9,-0.47,0.48
1OOX,ARG_33,12.48,-0.29,0,0.27
1IAP,ARG_54,12.6,-0.25,0.05,0.31
3GYW,HIS_168,6.65,-0.36,0.29,0.22
3F1X,ARG_179,13.21,-0.43,0.58,0.55
3D9H,ASP_220,3.95,0,-0.17,0.33
2ZOM,LYS_328,10.51,-0.06,0,0.08
1WP5,TYR_126,13.24,-0.85,0.29,3.8
3IDW,ASP_15,3.87,-0.18,0.01,0.23
3I4T,CYS_223,10.66,-0.3,0.27,1.69
1Q2Y,GLU_43,4.31,0.89,-0.81,-0.27
1PVT,LYS_42,10.42,-0.08,0,0
2YYO,LYS_38,10.57,-0.16,0,0.23
2QEV,LYS_136,10.37,-0.16,0,0.03
1J33,GLU_145,3.87,0.76,-0.84,-0.56
1C3K,GLU_77,2.59,0.86,-2.48,-0.29
1F09,GLU_309,3.82,3.43,-2.33,-1.77
3V1Q,ARG_506,12.89,-1.25,1.16,0.48
2PGX,LYS_85,10.24,-0.13,0,-0.13
2RFA,GLU_80,4.37,1.35,-1.27,-0.2
2H85,ASP_335,3.87,0,-0.16,0.23
2FPN,HIS_87,6.41,-0.09,0,0
1S1G,LYS_300,10.43,-0.07,0,0
2CXC,ARG_49,12.96,-0.31,0.38,0.38
2IQT,LYS_81,10.42,-0.12,0,0.04
3CBN,ARG_151,13.28,-0.42,0.5,0.7
3RLN,LYS_623,10.37,-0.31,0,0.18
2W1R,LYS_153,10.89,-1.05,0.77,0.68
2Q34,ARG_176,12.74,-0.31,0.08,0.46
2DFL,HIS_275,6.31,-0.13,0,-0.05
4DBX,LYS_247,9.83,-0.42,0,-0.24
1XWM,ASP_150,4.01,-0.02,-0.13,0.36
2XMZ,GLU_248,5.43,2.49,-1.64,0.08
3JZN,ASP_317,4.51,0,0.08,0.64
2OPJ,GLU_153,4.59,2.79,-0.72,-1.97
1YM5,TYR_222,10.2,0,0,0.2
3GEC,ASP_267,3.74,-0.12,-0.23,0.29
4DVD,GLU_50,4.47,0.35,0,-0.38
1O17,ASP_54,2.83,-1.35,-0.01,0.39
3EYE,ASP_151,3.99,-0.33,0.12,0.4
2OPJ,ARG_192,12.26,-0.25,0.0,0.01
1F2V,GLU_49,4.29,0.16,-0.07,-0.31
1SFE,CYS_36,11.71,-0.23,0.12,2.81
1SJB,GLU_650,4.8,0.34,0,-0.05
3VHJ,GLU_146,3.42,0.37,-0.96,-0.49
1WXQ,GLU_132,4.21,0.47,-0.37,-0.4
3QKY,ARG_225,12.51,-0.23,0.0,0.24
3CRM,ASP_20,4.33,0,-0.03,0.57
1Z3X,CYS_175,9.44,0,-0.33,0.77
3PM2,ASP_108,3.75,0,-0.28,0.23
2GKG,ASP_34,3.4,-0.64,-0.07,0.3

3BQW,LYS_344,10.72,-0.44,0.09,0.58
1PSW,GLU_212,5.15,1.12,-0.54,0.06
3D9H,CYS_117,10.61,-0.85,0.2,2.27
2QEV,TYR_138,11.41,0,0.41,0.98
4F85,ARG_200,12.79,-0.43,0.36,0.36
3LE4,ARG_322,12.35,-0.14,0,-0.01
2H85,TYR_7,10.17,0,-0.05,0.21
3BWT,LYS_661,10.07,-0.29,0,-0.14
3JSN,ARG_97,11.74,-0.66,0,-0.11
1KCM,GLU_158,3.96,0.27,-0.7,-0.12
1Q46,GLU_142,3.45,0.41,-0.68,-0.78
2FG1,HIS_83,7.29,-0.29,0.85,0.23
1H09,TYR_164,11.25,0.51,0.42,0.32
2GEN,HIS_126,5.73,-1.01,0,0.24
3LD1,ASP_69,3.92,0,-0.22,0.33
3KVO,ARG_199,12.28,-0.28,0,0.06
1X8F,HIS_40,5.73,-0.9,0,0.13
2RJD,ARG_460,11.32,-1.22,0,0.03
3BCH,HIS_131,6.57,-0.36,0.38,0.06
3CO1,LYS_34,10.46,-0.14,0,0.1
3IVF,LYS_196,10.23,-0.5,0,0.23
2Q34,TYR_198,10.23,0,-0.11,0.35
3JSN,ASP_89,3.86,-0.14,-0.11,0.31
1MD6,GLU_125,4.61,0.14,0,-0.02
3CAX,LYS_421,10.44,-0.08,0,0.02
3O7K,GLU_94,4.95,0.61,0,-0.16
4H86,LYS_48,10.56,-0.7,0,0.75
1HF8,ASP_119,4.11,0,0,0.31
1R53,TYR_305,12.41,-0.82,0.15,3.08
3GE9,ARG_62,12.47,-0.1,0,0.07
3GA2,HIS_77,5.59,-0.73,0,-0.18
2XWS,ASP_78,4.16,0,-0.35,0.71
2B3M,LYS_31,9.68,-0.82,0,0
2ZQ5,GLU_50,4.07,1.46,-1.68,-0.22
3CRM,ASP_82,3.75,-0.85,-0.11,0.91
2CVB,ARG_61,12.78,-0.15,0,0.43
3M9A,LYS_43,9.95,-0.63,0,0.09
1GPP,HIS_79,4.56,-3.09,0,1.16
3K1H,ASP_116,3.99,-0.11,0.08,0.22
1L2F,LYS_193,9.8,-0.66,0,-0.05
1DZF,HIS_146,6.18,-0.84,0,0.52
2Q98,GLU_67,4.16,0.31,0,-0.65
1G8P,GLU_261,4.57,0.18,0,-0.1
1EDG,HIS_162,6.91,-1.07,0.78,0.69
3FRR,TYR_177,12.98,0.48,0.35,2.13
2VGM,LYS_187,10.51,-0.18,0,0.19
3FD5,LYS_126,11.09,-0.26,0.85,0
2Q13,GLU_67,3.65,0.33,-0.7,-0.48
2F8H,LYS_233,10.45,-0.05,0,0
3EAZ,TYR_116,11.87,0,0.76,1.11
1WNH,TYR_76,13.37,0,0.23,3.14
1NRI,ASP_232,4.02,0,-0.18,0.39
1DCF,ASP_121,4.36,0,0.26,0.3
3CS1,GLU_76,3.95,0.24,-0.45,-0.34
3UOV,LYS_42,10.44,-0.19,0,0.13
1L2F,ASP_299,2.99,-1.19,-0.04,0.43
2OBI,GLU_82,6.27,3.31,-1.33,-0.21
1L2F,ARG_51,14,-0.44,1.22,0.72
2B0J,GLU_307,4.43,0.2,-0.04,-0.22
2B0A,LYS_49,11.2,-0.37,0.59,0.48
2Z61,GLU_177,4.06,0.58,-0.8,-0.2
1GQE,LYS_31,10.67,-0.16,0,0.33
3FTT,LYS_79,10.74,-0.11,0,0.35
2BCF,LYS_149,11.21,-0.58,0.85,0.43
2PWQ,HIS_50,6.02,-0.5,0,0.02
3GOZ,LYS_294,10.53,-0.14,0,0.17
2X5Y,TYR_893,12.97,0,0.27,2.7
2QHT,GLU_65,4.65,0.15,0,0
3RKV,GLU_323,4.43,0.3,-0.37

2FBQ,ARG_103,12.13,-1.61,0.49,0.75
3OOP,GLU_53,4.57,0.27,0,-0.19
1UJ8,HIS_10,6.4,-0.07,0,-0.03
3QKY,CYS_117,12.18,-0.09,-0.03,3.31
1R5S,LYS_137,10.17,-0.38,0,0.05
1BGF,ARG_70,13.14,-0.17,0.52,0.29
3VHJ,LYS_3,10.18,-0.18,0,-0.14
2D7J,GLU_156,4.63,0.33,0,-0.2
2CWY,GLU_70,4.35,0.16,-0.12,-0.19
2RFA,LYS_244,10.36,-0.14,0,0
3IBT,HIS_49,6.63,-1.05,0.98,0.19
2OGQ,HIS_373,6.17,-0.4,0,0.07
3IOO,GLU_262,3.28,3.58,-0.85,-3.96
1D2K,LYS_223,9.83,-0.88,0,0.21
1OLR,ASP_111,4.09,0,0.03,0.25
1EW4,ASP_25,3.92,0,0.02,0.11
2E53,LYS_578,10.35,-0.28,0,0.13
3ADO,GLU_304,2.55,0.48,-1.63,-0.81
1XDZ,ASP_142,1.78,-2.75,-0.48,1.2
3IRA,LYS_39,9.97,-0.69,0,0.16
3GVO,ARG_117,12.35,-0.17,0,0.03
4DNU,ARG_121,13.15,-0.13,0.46,0.32
1JSX,GLU_170,4.73,0.14,0,0.09
2F8H,ARG_214,12.39,-0.11,0,0
1SJB,ASP_695,3.9,0,0,0.1
1R16,ASP_151,3.2,-1.69,0,1.09
2P1W,GLU_92,4.56,0.1,0,-0.03
3I4T,LYS_24,10.29,-0.22,0,0
2R51,LYS_184,5.66,-0.91,0,0.07
4ETX,GLU_178,4.81,0.3,0,0.01
1X7F,GLU_277,4.36,0.18,0,-0.32
3M7D,ARG_151,13.03,-2.15,1.39,1.3
3CNU,LYS_77,11.24,-0.27,0.63,0.38
2EHG,LYS_101,10.49,-0.24,0,0.24
2FD5,ARG_11,12.18,-0.32,0,0
2ZQ5,ARG_333,13.88,-0.32,1.17,0.53
1PNE,LYS_53,10.52,-0.09,0,0.1
1J33,ARG_293,12.64,-0.4,0.24,0.3
2Z14,HIS_88,5.77,-0.9,0.13,0.05
3F6F,GLU_132,4.21,0.55,-0.48,-0.36
1RL0,TYR_183,11.88,0.73,0.43,0.72
2CN1,LYS_32,11.4,-0.35,0.83,0.41
1OTM,GLU_167,4.53,0.43,-0.2,-0.21
3ANJ,LYS_96,10.37,-0.29,0,0.16
1C44,ASP_5,3.37,-0.52,-0.09,0.19
2FD5,LYS_5,10.39,-0.09,0,-0.02
3RKV,ASP_216,3.47,-0.38,-0.28,0.33
1RSS,ARG_32,12.39,-0.11,0,0
2ZCO,LYS_275,10.37,-0.13,0,0
1T95,GLU_171,3.09,0.45,-1.2,-0.65
3RLE,CYS_173,12,0,-0.08,3.08
2X5Y,TYR_819,11.57,-1.39,0.48,2.48
2CN1,HIS_107,3.1,-2.58,0,-0.82
2Q99,HIS_91,2.14,-3.09,0,-1.27
1RWZ,ARG_162,12.78,-0.49,0.12,0.64
3I82,ASP_23,3.97,0,0,0.17
1AM2,HIS_41,6.84,-0.86,0.33,0.87
3ETU,TYR_343,10.85,0.26,0,0.6
1WRU,LYS_210,10.28,-0.29,0,0.07
3GA2,HIS_35,6.55,-0.19,0,0.25
1OST,LYS_331,9.8,-0.56,0,-0.14
2CXA,GLU_156,7.87,4.01,-0.85,0.2
2Z61,ARG_72,11.38,-1.54,0,0.41
3DHN,TYR_197,13.73,-0.05,0.3,7.8
2YT4,CYS_627,11.24,-0.85,0.19,2.9
4H86,LYS_15,10.63,-0.17,0,0.29
1HF8,ASP_266,3.29,-0.81,0,0.31
1TLV,ARG_272,12.21,-0.31,0,0.03
2B61,LYS_92,10.47,-0.45,0,0.43

2JHY,ARG_172,13.9,-0.53,1.46,0.46
1PV5,GLU_113,4.1,0.37,-0.4,-0.37
3D9H,LYS_86,10.36,-0.15,0,0.01
3UX2,GLU_144,4.61,0.11,0,0
2X5Y,ASP_896,4.38,0.27,0.06,0.24
1ZP2,HIS_95,5.63,-0.34,0,-0.53
3EAZ,LYS_171,10.41,-0.27,0,0.18
2EYI,GLU_225,4.9,13,0,0.27
1O6D,ARG_50,13.07,-0.25,0.14,0.69
3JV1,LYS_84,10.62,-0.17,0,0.28
1N81,GLU_24,3.71,0.31,-0.74,-0.36
1NAR,TYR_174,13.94,-0.7,0.67,3.96
2G55,HIS_138,6.25,-0.88,0.48,0.15
3QAV,LYS_35,10.7,-0.22,0,0.41
1ZYL,ARG_283,11.92,-1.71,0.03,1.11
3MIX,LYS_547,10.42,-0.34,0,0.25
2BDV,ASP_13,4.46,0.03,0.33
2E3S,GLU_575,3.92,0.64,-0.6,-0.62
1W7B,GLU_306,3.61,0.71,-1.24,-0.36
2GZR,ARG_180,13.03,-0.25,0.16,0.62
1WRU,ASP_325,3.08,-0.68,-0.42,0.39
2OEW,GLU_272,4.22,1.02,-0.71,-0.6
1Q8B,GLU_72,3.9,0.21,-0.25,-0.56
3LPZ,ARG_60,12.25,-0.25,0,0
2R57,LYS_206,10.45,-0.2,0,0.15
2P65,ARG_33,11.92,-0.51,0,-0.07
2D8N,LYS_139,10.36,-0.14,0,0
3HVM,CYS_52,12.33,0.06,3.27
1QYI,GLU_192,4.11,0.35,-0.8,0.06
1SFE,TYR_16,10.82,0.19,0.64
1R16,ASP_48,2.08,-2.36,-0.49,1.13
2R2Y,ASP_115,3.47,-0.51,-0.02,0.2
1CHD,ASP_231,3.1,-0.51,-0.51,0.31
3CAX,GLU_155,4.38,0.27,0,-0.38
2OJQ,GLU_462,4.4,0.84,-0.74,-0.21
3OBS,ARG_18,12.37,-0.22,0,0.09
3E5T,GLU_29,3.06,0.54,-1.41,-0.58
4F85,HIS_229,5.92,-0.6,0,0.02
3DZ1,TYR_252,11.97,0.85,0.35,0.78
2CL3,LYS_173,11.56,-0.58,0.85,0.7
2OJQ,GLU_462,4.4,0.84,-0.74,-0.21
3KT9,TYR_96,11.58,-0.69,-0.34,2.61
1QYI,TYR_106,11.01,-0.24,0.48,0.77
2EA9,CYS_52,9.66,-0.02,0.29,0.39
2H80,CYS_230,12.47,-0.14,0.02,3.59
2RFA,ARG_155,12.13,-0.39,0,0.03
3C38,TYR_232,11.53,-0.68,0.67,1.54
1KCM,LYS_87,10.14,-0.44,0,0.08
3BJV,ASP_93,3.51,-0.98,-0.16,0.84
1NWA,HIS_50,5.76,-1.43,0.84,-0.16
2VGM,TYR_316,11.27,0.0,0.17,1.09
2HRZ,GLU_248,4.69,0.17,0,0.03
1XIP,ASP_462,4.4,0.84,-0.74,-0.21
1DCF,ARG_45,12.45,-0.15,0,0.1
1V43,LYS_176,10.46,-0.04,0,0
2B61,ASP_62,4.09,0,0,0.29
3ANJ,ASP_224,3.03,-1.18,0,0.4
2RIS,ARG_143,12.25,-0.36,0,0.1
2CIU,LYS_135,10.24,-0.28,0,0.02
3RKV,GLU_317,4.09,1.15,-0.71,-0.87
1RAJ,ASP_317,3.37,-0.73,-0.13,0.45
3MIX,ASP_390,3.73,-0.4,-0.07,0.39
3EUR,LYS_20,9.97,-0.5,0,-0.03
2NYC,HIS_182,6.23,0.18,0,-0.09
3ETV,GLU_90,5.15,0.59,0,0.06
1ANU,TYR_39,11.35,0,0.1,1.25
2Q12,HIS_45,7.15,-0.32,0.6,0.38
2H80,HIS_124,6.18,-1.51,0.75,0.44
3TIR,GLU_7,4.01,0.25,-0.74,0

3ILC,ASP_156,3.41,-0.85,0,0.46
2Y2T,ASP_15,4.14,0.006,0.28
2P4D,TYR_166,11.9,-0.07,0.22,1.75
3I82,LYS_57,10.78,-1.04,0.69,0.64
1G8P,ARG_54,12.55,-0.1,0.0,0.15
1PSW,HIS_104,6.09,-0.3,0,-0.12
2G3A,ARG_108,13.08,-0.26,0.52,0.33
1CBY,GLU_198,4.47,0.23,0,-0.26
1EW4,ARG_53,12.43,-1.23,0.56,0.6
1C3K,HIS_26,6.32,-0.34,0,0.16
1W7B,TYR_232,11.36,-1.7,0.35,2.72
2P52,ASP_256,2.19,-2.22,-0.01,0.62
1MTZ,ARG_267,12.47,-0.18,0,0.15
1SQW,ARG_120,12.24,-0.35,0,0.09
4FD6,HIS_55,4.55,-1.47,0,-0.49
1YTQ,HIS_134,6.32,-0.33,0.13,0.02
4FCU,GLU_205,3.94,-2.24,-0.38
2IQT,ARG_76,12.7,-0.42,0.28,0.33
3KB5,ARG_282,13.2,-1.02,0.75,0.97
1OTM,ASP_233,4.06,0,0,0.26
3BJV,LYS_23,11.28,-0.29,0.49,0.59
1TWU,ARG_37,13.87,-0.56,1.21,0.72
3COC,CYS_311,11.53,0,0.2,53
3RFY,LYS_244,11.32,-0.35,0.44,0.73
3SMD,GLU_60,4.09,0.27,-0.79,0.11
1KCM,LYS_209,10.43,-0.07,0,0
2YYO,ARG_106,13.17,-0.42,0.33,0.76
1W24,HIS_13,6.23,-0.18,0,-0.09
1OLR,TYR_119,11.19,0.0,-2.3,0.96
3M3P,GLU_27,4.75,0.33,0,-0.08
3D9H,ARG_143,12.79,-0.66,0.46,0.5
3LJC,ASP_188,2.81,-1.42,-0.06,0.49
3TOW,ARG_92,11.31,-1.5,0,0.3
3F1X,TYR_163,12.58,-0.2,-0.56,3.35
4EF5,CYS_206,11.16,0,-0.22,2.38
3KB5,CYS_456,13.47,0.42,1.15,2.9
3ETU,HIS_153,7.48,-0.35,0.85,0.48
3G9T,GLU_47,3.96,0.33,-0.55,-0.33
1DUN,ARG_112,12.45,-0.05,0,0
1H4U,TYR_540,13.09,0,0.38,2.71
1GQE,LYS_307,10.42,-0.17,0,0.09
2EDM,ASP_84,3.16,-0.43,-0.77,0.58
2W0G,LYS_157,10.56,-0.17,0,0.23
3DSH,GLU_423,4.67,0.17,0,0
2PGE,TYR_96,11.09,-0.66,0.13,1.6
3Q6L,TYR_20,12.29,-0.85,0.59,2.55
1XAW,ASP_437,3.87,0,-0.28,0.36
3LJN,GLU_124,4.52,0.02,0,0
1NJ4,LYS_62,10.34,-0.16,0,0
1WP5,GLU_157,3.71,0.88,-1.36,-0.32
2PGX,ARG_132,12.37,-1.66,0.65,0.88
3L7N,GLU_212,3.87,0.36,-0.99,0
3CAX,LYS_319,10.49,-0.08,0,0.07
3FXH,ASP_30,3.83,0,-0.14,0.17
1YR6,LYS_137,10.76,-0.16,0,0.42
3AU3,GLU_633,4.7,0.95,-0.76,0
3GV0,LYS_291,10.8,-0.97,0.85,0.43
2CW4,CYS_75,10.81,-0.85,-0.32,2.98
2XHC,LYS_60,10.41,-0.09,0,0
3A2Z,ASP_50,3.99,0,0.06,0.13
3U2R,GLU_117,4.34,0.26,-0.13,-0.29
2D59,GLU_136,4.54,1.94,-1.24,-0.66
3GW3,HIS_331,6.95,-0.43,0.85,0.02
3F53,TYR_135,10.89,0.09,0.79
3OAF,GLU_492,4.69,0.19,0,0
1EYH,ARG_63,10.88,-1.39,0,-0.24
2B6P,CYS_88,9.85,-0.03,-0.04,0.93
3H13,GLU_398,4.55,0.18,0,-0.14
1XEU,GLU_228,4.87,0.17,0,0.2

1J33,GLU_304,6.94,2.53,-0.59,0.49
1LPL,LYS_137,10.33,-0.17,0,0
1YTD,LYS_375,10.38,-0.16,0,0.04
2A0J,LYS_95,10.63,-0.19,0,0.32
3EX9,HIS_73,4.85,-1.41,0,-0.24
3RNV,CYS_389,12.52,-0.04,0,3.55
3IRA,TYR_24,10.24,-0.88,-0.22,1.34
2FC3,HIS_65,5.65,-0.93,0,0.09
1DVO,LYS_56,10.46,-0.16,0,0.11
3JSN,LYS_182,9.99,-0.62,0,0.12
3I47,GLU_35,5.29,0.79,0,0.01
1BYI,ARG_183,12.47,-0.13,0.08,0.02
2H14,HIS_255,4.27,-2.43,0,0.2
1GXN,TYR_598,13.77,-0.82,0.43,4.16
2IRM,GLU_45,4.13,0.34,-0.4,-0.31
2F9F,ASP_159,2.92,-0.79,-0.48,0.38
4FH3,ARG_294,13.44,-0.03,0.69,0.58
3Q1C,ARG_147,13.05,-1.19,1.15,0.59
1O17,LYS_188,10.49,-0.23,0,0.22
2DFL,LYS_288,10.34,-0.33,0,0.17
3BB7,LYS_144,10.03,-0.29,0,-0.18
3ETU,LYS_125,10.34,-0.17,0,0.01
3M66,ARG_277,12.32,-0.42,0,0.25
3GFP,ASP_470,3.95,0,0,0.15
3ADO,LYS_311,9.73,-0.52,0,-0.24
3CSV,LYS_64,11.33,-0.18,0.54,0.47
2H2W,GLU_116,3.44,0.53,-1.56,-0.03
3GG6,GLU_95,8.83,4.13,-0.62,0.83
1K95,CYS_94,12.21,-0.03,0.3,2.94
2PGE,LYS_192,10.54,-0.32,0,0.37
3S0A,HIS_11,6.87,-0.43,0.44,0.35
1GXN,HIS_446,5.18,-1.33,0,0.01
4EF5,ARG_331,13.16,-0.27,0.52,0.4
1SNT,HIS_82,6.76,-0.6,0.82,0.04
3ZRL,ARG_141,11.51,-1.07,0,0.08
1X7F,CYS_359,12.16,0,0.01,3.15
1MD6,GLU_137,4.57,0.07,0,0
3CAX,LYS_356,10.36,-0.17,0,0.03
1DCF,LYS_100,10.18,-0.44,0,0.11
1YTQ,TYR_155,10.3,0,0,0.3
2AZL,GLU_71,6.45,2.64,0,-0.69
1R15,ARG_290,12.59,-0.37,0.05,0.41
1YM5,ARG_236,13.5,-1.44,1.08,1.35
1XIPL,LYS_310,11.61,-0.57,0.82,0.86
2FPN,ARG_77,12.39,-0.72,0,0.61
1PDB,LYS_54,10.38,-0.58,0.24,0.21
3R2E,ARG_93,13.66,-0.39,0.83,0.72
3CO1,LYS_89,9.73,-0.81,0,0.05
2CXA,GLU_22,4.68,0.19,0,-0.01
2BLL,ARG_549,12.87,-0.85,0.75,0.48
3IU5,LYS_128,10.4,-0.11,0,0.01
4GA2,ASP_108,3.48,-0.82,0.13,0.36
1H4U,TYR_452,10.51,-0.18,0.03,0.66
1R16,TYR_319,10.33,-0.78,-0.03,1.15
3CSR,ARG_96,12.63,-1.95,0.77,1.31
2OJQ,LYS_671,10.32,-0.18,0,0
3BCY,LYS_68,10.33,-0.17,0,0
2IF4,HIS_60,6.31,-0.26,0.15,-0.08
1NJ4,GLU_351,4.76,0.2,0.06
4FLE,ASP_125,4.06,0,-0.25,0.5
1ES9,ARG_214,12.24,-0.27,0,0
2Q5X,GLU_848,4.04,0.47,-0.67,-0.26
4FZR,ARG_97,12.67,-0.59,0,0.76
3ANJ,GLU_13,4.71,0.23,0,-0.03
2JKF,TYR_115,10.49,0.02,0.46
3V1Q,LYS_612,10.43,-0.39,0,0.32
2IQT,GLU_243,4.8,0.19,0,0.12
1P1L,ASP_68,2.47,-1.34,-0.43,0.44
3ADO,TYR_232,10.58,0,-0.1,0.68

3LMF,LYS_110,10.61,-0.22,0.1,0.24
2VAN,ARG_149,12.23,-0.33,0,0.05
1GSZ,GLU_180,3.47,0.43,-0.79,-0.66
3M7D,GLU_259,4.74,0.17,0,0.07
2I88,ASP_422,4.02,0,0.04,0.18
1F09,LYS_180,10.43,-0.07,0,0
3FHF,GLU_112,5.94,2.03,-0.56,-0.03
1L2H,LYS_77,10.42,-0.08,0,0
3QKY,GLU_86,4.56,0.57,-0.66,0.16
3NR5,ARG_67,12.66,-0.11,0,0.27
4EKU,TYR_265,12.94,0.17,0.28,2.49
1A8Q,ASP_87,3.65,-0.12,-0.56,0.54
2APL,LYS_104,10.29,-0.21,0,0
3M16,HIS_167,5.6,-1.41,0,0.52
1GOX,GLU_127,4.56,0.37,0,-0.32
3OQZ,ASP_263,4.09,0.04,0.25
1NWA,GLU_115,3.95,0.47,-0.78,-0.24
1W7B,ARG_196,13.74,-0.25,0.77,0.71
2VGM,TYR_268,10.21,-0.75,0.1,0.86
1NAF,ASP_189,2.86,-1.46,0,0.51
2GKG,ARG_44,12.49,-0.29,0,0.27
2ILR,LYS_447,10.31,-0.34,0,0.15
1XKR,TYR_193,10.29,0,-0.07,0.37
3CRM,TYR_60,11.37,0.77,0,0.6
3MTT,LYS_598,10.46,-0.04,0,0
4ANN,ASP_31,3.92,0,-0.34,0.46
1XDZ,LYS_186,10.44,-0.2,0,0.14
3VJ8,ASP_85,2.05,-2.72,-0.31,1.29
1WPA,LYS_501,9.77,-0.43,0,-0.29
1K95,TYR_57,10.17,0,0,0.17
2XJ4,GLU_86,4.01,0.32,-0.84,0.03
1V8E,HIS_171,6.63,-0.97,0.77,0.34
1SBX,TYR_149,10.18,0.02,0.15
4AE7,ARG_118,11.74,-3.48,0.28,2.44
1LZL,GLU_123,2.5,0.67,-2.22,-0.45
1GSZ,LYS_75,11.4,-0.23,0.68,0.45
4EUG,TYR_19,13.37,0.85,0.54,1.97
3CJW,GLU_300,4.51,0.4,-0.14,-0.25
4FZN,TYR_189,13.08,0.56,1.59
3C8N,GLU_161,4.63,0.13,0,0
3DHN,HIS_37,6.39,-0.26,0.28,-0.13
3UAH,ASP_173,4.86,0.2,0.87
3HZQ,CYS_32,9.44,-0.09,0.07,0.45
2G55,GLU_149,3.42,1.31,-2.4,0
1OIS,ARG_278,12.56,-0.06,0,0.12
1X04,GLU_202,4.51,0.24,0,-0.23
3V75,TYR_109,10.25,0,-0.02,0.27
2EEY,ARG_12,12.33,-0.17,0,0
1YB2,LYS_176,10.11,-0.45,0,0.05
1GSZ,GLU_196,4.65,0.42,0,-0.27
2FL4,LYS_97,10.53,-0.2,0,0.23
1GQE,LYS_204,10.36,-0.19,0,0.05
3LD1,GLU_90,3.58,0.79,-1.13,-0.58
1Q46,LYS_11,10.4,-0.12,0,0.03
2OGQ,ASP_419,4.06,0.1,0.15
3GFP,ARG_371,12.47,-0.18,0,0.15
1P4X,HIS_186,4.48,-1.93,0,-0.09
1JT9,ASP_115,4.03,-0.02,0.04,0.21
3BQW,ASP_300,2.81,-1.41,-1.04,1.46
2F4Q,TYR_289,9.24,-0.52,-1.29,1.04
1UOH,GLU_205,4.5,0.1,0,-0.1
2BOJ,GLU_36,4.41,0.78,-0.5,-0.39
2X4G,HIS_37,5.93,-0.81,0,0.26
3EZ7,ARG_391,12.67,-0.3,0.19,0.27
1WYC,ASP_207,2.4,-1.76,0,0.35
4ESS,LYS_135,11.25,-0.32,0.7,0.38
2RIK,ARG_227,12.43,-0.08,0,0.01
4ETX,ARG_234,12.65,-0.15,0,0.31
1SNT,GLU_257,4.6,0.1,0,0

3GA2,LYS_70,10.28,-0.42,0,0.21
1T95,ASP_57,3.33,-0.6,-0.33,0.47
3BWT,ASP_715,2.83,-1.25,-0.44,0.73
4GCO,LYS_209,10.53,-0.05,0,0.07
1H09,TYR_232,10.92,0.22,0.27
2YT4,ARG_663,12.82,-0.28,0.21,0.4
2AD1,LYS_282,10.54,-0.25,0,0.29
2FBI,ARG_38,11.5,-0.99,0,-0.01
2QZQ,LYS_148,10.48,-0.15,0,0.13
1XAW,ASP_466,3.65,-0.05,-0.38,0.28
1YW5,ARG_18,12.44,-0.06,0,0
2G5X,GLU_23,4.65,0.63,-0.01,-0.48
2DG7,GLU_113,4.68,0.38,0,-0.19
3GMS,GLU_82,4.51,0.1,0,-0.09
3GW3,HIS_358,6.42,-1.93,0.85,1
1R5Q,GLU_52,4.86,0.34,0,0.02
1OTM,LYS_133,10.09,-0.17,0,-0.24
2F4Q,ARG_135,13.35,-1.85,1.55,1.15
2G3A,ARG_42,12.17,-0.33,0,0
2FL7,TYR_119,10.18,-0.79,0.13,0.85
4ESS,ARG_90,13.16,-0.38,0.49,0.56
3OA7,ASP_550,3.46,-0.68,-0.09,0.43
2CW4,ARG_92,12.56,-0.41,0.03,0.35
1GXN,ARG_626,11.93,-0.69,0,0.12
4FLE,TYR_181,12.29,0.85,0.41,1.03
3GW3,HIS_266,6.18,-0.53,0,0.2
2D25,ARG_724,13.39,-0.48,0.8,0.56
4DVD,LYS_24,11.1,-0.74,0.85,0.49
1NJ4,ARG_39,12.56,-0.41,0.03,0.44
3RFF,LYS_106,11.21,-0.28,0.62,0.37
1X8F,ASP_175,3.96,0,0,0.16
1R3F,TYR_36,13.25,0,0.12,3.12
1V43,ASP_75,2.05,-2.28,-0.35,0.88
2AZL,GLU_260,4.68,0.33,0,-0.14
2R51,LYS_33,10.42,-0.07,0,-0.01
2H85,ARG_224,13.39,-0.32,0.47,0.74
1WOU,GLU_13,4.61,0.17,0,-0.06
3M70,ARG_133,11,-1.74,0,0.24
1Q46,LYS_60,9.96,-0.21,0,-0.32
3N2T,GLU_305,3.62,1.45,-1.86,-0.48
1X9G,LYS_158,10.4,-0.13,0,0.03
3LMF,CYS_33,10.06,-0.09,0.21,0.95
1NAR,GLU_42,6.07,3.65,-2.13,0.04
4D8L,ASP_226,3.39,-0.48,-0.26,0.33
2E3C,ARG_227,12.81,-1.51,0.92,0.9
3GMS,ARG_36,13.05,-0.52,0.47,0.6
1PNE,ASP_13,2.1,-1.7,-0.46,0.46
2X4L,LYS_195,10.53,-0.06,0,0.09
1SJV,GLU_2,3.4,0.2,-1.3,0
3BB7,ASP_85,3.84,0,-0.17,0.2
2H80,LYS_86,10.19,-0.19,0,-0.12
200K,HIS_352,4.6,-1.79,0,-0.11
1L2F,ASP_151,3.83,-0.15,-0.42,0.6
3DSH,LYS_397,10.62,-0.24,0.06,0.31
1MML,LYS_53,10.12,-0.38,0.55,5E-17
3CX5,LYS_152,10.27,-0.3,0,0.07
3FNI,ARG_151,12.47,-0.46,0.14,0.3
1XAW,TYR_420,9.91,-0.68,-0.22,0.8
1LN4,GLU_54,3.3,0.13,-0.85,-0.48
1I60,LYS_195,11.03,-0.54,0.27,0.8
4EKU,ARG_309,12.26,-0.31,0,0.07
3RLE,GLU_8,4.54,0.08,0,-0.03
1NRI,CYS_90,11.44,-0.18,0.59,2.03
2H30,LYS_54,10.21,-0.28,0,-0.01
3FWU,TYR_99,11.48,-0.86,0.234
3M66,TYR_384,11.08,0.17,0.91
2V4X,ARG_58,12.47,-0.56,0.19,0.34
4EZB,HIS_265,6.63,-0.7,0.94,-0.1
1O3X,ARG_299,12.51,-0.13,0,0.14

1MTZ,LYS_76,10.39,-0.26,0,0.15
1W24,TYR_69,12.08,-0.17,0.75,1.5
1PV5,GLU_103,3.2,0.32,-1.24,-0.38
2WOZ,ARG_335,12.59,-0.26,0.07,0.28
1WRU,GLU_198,4.81,0.31,0,0
2ZCO,ASP_52,3.98,0,-0.02,0.2
3IL3,HIS_180,7.14,-0.75,0.83,0.56
1PBV,ASP_206,3.89,0,-0.05,0.13
2ZCO,TYR_54,10.16,0,0.04,0.12
3GOZ,HIS_22,6.3,-0.2,0,0
3CRM,ARG_43,12.49,-0.34,0,0.33
1O9G,TYR_28,11.34,0,0.43,0.91
3G9G,LYS_149,10.21,-0.32,0,0.03
2W1R,GLU_166,3.01,0.39,-1.27,-0.6
4ANN,ARG_33,11.51,-1.79,0.13,0.67
1YTQ,ASP_175,3.78,-0.55,0.15,0.39
2CI3,GLU_151,4.29,0.26,-0.4,-0.07
2HRZ,GLU_278,4.32,0.24,-0.24,-0.19
2EFK,GLU_34,3.89,0.18,-0.45,-0.34
3LMO,ASP_66,4.08,0,0,0.28
3NZL,LYS_77,10.93,-0.34,0.05,0.72
3F53,HIS_232,5.6,-0.93,0,0.02
1RKA,ARG_218,12.23,-0.31,0,0.03
1YTD,ASP_175,3.97,0,0,0.17
1Q2Y,ASP_49,3.61,0,-0.42,0.23
3G59,TYR_298,11.99,-0.85,0.16,2.68
2XWS,ARG_2,13.02,-0.27,0.03,0.76
3UOV,GLU_170,4.19,1.12,-0.68,-0.75
1UAJ,ASP_95,3.15,-0.89,-0.2,0.44
1EQ6,ASP_110,4.49,0,-0.11,0.81
2W0G,CYS_233,9.87,-0.12,-0.01,1
3CIV,HIS_57,6.76,-0.29,0.05,0.5
3Q2C,CYS_74,10.31,-0.02,0.23,1.09
2E3S,GLU_410,4.72,0.22,0,-0.01
1YW5,GLU_124,3.81,0.7,-0.85,-0.55
2POY,GLU_321,4.95,0.5,0,-0.05
2AXO,ASP_173,4.28,0,0,0.47
3CS1,CYS_124,12.58,-0.15,0.63,3.09
2FZ4,ASP_39,2.92,-1.57,-0.22,0.91
1ILW,ASP_27,3.46,-0.48,-0.27,0.4
1LN4,GLU_57,4.61,0.11,0,0
3LQE,TYR_496,13.14,0.46,2.68
3UX2,CYS_90,9.55,0,0.07,0.49
3IVF,ASP_94,2.35,-1.73,-0.11,0.39
2HXB,LYS_20,10.44,-0.14,0,0.08
3PU6,GLU_27,4.84,0.35,0,-0.01
3O48,TYR_131,11.59,0.85,0.43,0.31
2JHY,ARG_120,12.44,-0.25,0,0.2
2FXT,GLU_415,5.23,0.83,0,-0.11
1X7F,TYR_82,10.05,0,0,0.05
3GOZ,GLU_243,4.65,0.15,0,0
2WB8,ASP_714,3.89,0,-0.07,0.16
2CL3,GLU_117,3.71,0.75,-0.85,-0.68
3OBS,TYR_82,10.5,0.17,0.33
3CJW,ARG_187,12.46,-0.12,0,0.08
2Q98,HIS_138,5.92,-0.72,0,0.14
2BOA,TYR_47,12.15,0,0.18,1.99
2A1V,ASP_55,3.97,0,0,0.17
1GPP,ASP_438,2.88,-0.84,-0.29,0.2
1JKS,LYS_261,10.58,-0.1,0,0.18
4EUG,LYS_177,10.37,-0.18,0,0.05
2QZQ,TYR_161,10.34,0,0.1,0.23
1QZN,CYS_37,11.89,0,-0.3,3.19
3P51,GLU_120,4.91,0.22,0,0.19
2I88,LYS_461,10.48,-0.13,0,0.11
2F9F,GLU_29,3.96,1.16,-1.59,-0.1
1OTM,HIS_162,5.71,-0.37,0,-0.43
2WOZ,GLU_331,4.62,0.12,0,0
1XAW,HIS_509,5.38,-0.84,0,-0.29
3E7P,GLU_122,5.77,3.48,-1.57,-0.63
1MUF,CYS_200,9.19,-0.3,0.16,0.34
1SUU,ASP_612,4.07,-0.14,0.04,0.38
1H4U,GLU_615,4.11,0.27,-0.53,-0.13
1ZBM,LYS_155,10.66,-0.18,0,0.33
2O8I,GLU_16,3.97,1.03,-0.59,-0.98
3K8J,TYR_47,11.55,-0.8,0.06,2.3
4FH3,TYR_298,10.13,0,-0.14,0.27
3EOD,LYS_68,10.61,-0.13,0.09,0.14
1X7F,GLU_344,4.96,2.86,-1.64,-0.75
2YWK,LYS_50,10.54,-0.2,0,0.24
2CWC,TYR_87,10.33,0,-0.1,0.43
3GFP,GLU_460,3.89,0.19,-0.76,-0.03
1Z3X,ARG_132,13.62,-0.61,1.02,0.72
1Y2Q,LYS_47,11.32,-0.41,0.85,0.38
3G9G,GLU_129,3.85,0.5,-0.49,-0.67
1W24,ASP_55,1.87,-1.67,-1.01,0.76
2A6B,ARG_32,13.69,-0.39,0.8,0.77
3ADO,ASP_110,3.16,-1.55,-0.32,1.23
2QDJ,HIS_129,6.19,-1.8,0.85,0.64
2GAU,GLU_59,3.58,0.31,-0.85,-0.38
3BWT,LYS_878,10.3,-0.2,0,0
1QZN,ASP_132,3.53,-0.66,0.4
3F1X,GLU_110,4.64,0.11,0,0.03
3F5D,LYS_81,10.35,-0.15,0,0.01
3H5T,ARG_210,12.61,-0.09,0,0.2
3RJZ,HIS_179,6.48,-1.12,0.53,0.56
2E3H,ARG_297,12.48,-0.02,0,0
3TRE,LYS_104,9.58,-0.56,0,-0.36
1OGL,ARG_13,12.81,-0.27,0,0.58
2D7J,ARG_18,12.19,-0.22,0,-0.09
3ETU,TYR_344,9.5,-0.47,-0.34,0.31
3G9G,ASP_123,3.94,-0.85,-0.46,1.45
3IL3,GLU_224,3.71,0.26,-0.43,-0.61
1WJG,ARG_32,13.52,-0.47,0.74,0.75
1SQH,GLU_17,3.12,0.73,-1.57,-0.55
1SJJ,GLU_5,4.55,0.05,0,0
1MUF,GLU_132,4.54,0.18,0,-0.14
1X7F,TYR_229,12.58,0,0.65,1.93
1X04,ASP_84,3.42,-0.52,-0.01,0.15
1FKM,CYS_486,12.39,0.09,0.61,2.69
2IF4,GLU_174,3.92,0.74,-1.43,0.1
2BDD,TYR_38,9.73,-0.45,-0.18,0.36
2FPN,HIS_24,5.62,-0.95,0,0.07
3GW3,ARG_47,12.11,-0.42,0,0.03
3JSN,GLU_10,4.04,0.26,-0.5,-0.22
1EYH,GLU_137,4.05,0.16,-0.26,-0.36
3ZTA,ASP_100,3.52,-0.58,0,0.3
3IPZ,CYS_97,8.06,-1.4,-0.26,0.72
1NAR,GLU_7,12.98,4.95,1.5,2.03
2VGM,ASP_206,3.56,0,-0.52,0.28
3UX2,GLU_120,4.6,0.1,0,0
3PM2,LYS_36,10.24,-0.26,0,0
2IRM,CYS_237,11.03,-0.34,-0.8,3.17
2QEV,ARG_104,12.65,-0.22,0,0.36
2NNU,TYR_133,10.16,0,0.07,0.09
2EDM,TYR_153,10.46,-0.01,0,1.0,37
3KT9,GLU_92,4.59,0.22,0,-0.14
2B0A,CYS_70,12.61,0.02,4.3,3.6
4FZN,GLU_264,4.77,0.27,0,0
3P2F,GLU_7,3.9,0.63,-0.85,-0.38
1SNT,ARG_170,12.46,-0.04,0,0
2E3S,LYS_522,10.31,-0.34,0,0.15
3IRA,TYR_122,12.56,0.85,0.26,1.44
1G8P,GLU_172,4.03,0.42,-0.47,-0.42
3M70,ARG_273,12.53,-0.37,0.04,0.36
3LD1,ARG_46,12.25,-0.26,0,0.01
2PLQ,TYR_255,12.71,-0.11,0.61,2.21
3R87,GLU_69,4.79,0.23,0,0.06
1L2F,CYS_250,11.11,0,0.09,2.01
2D2S,ARG_592,12.61,-0.84,0.19,0.75
1WJG,LYS_99,10.45,-0.09,0,0.04
3GG6,LYS_93,10.16,-0.35,0,0.01
1WP5,ARG_40,10.78,-2.01,0,0.29
4EUG,LYS_147,10.4,-0.39,0,0.29
3ETV,LYS_226,10.41,-0.23,0,0.14
1IDK,GLU_265,4.6,0.09,0,0.01
1SQH,LYS_166,10.45,-0.05,0,0
1X9G,GLU_162,4.68,0.27,0,-0.08
2E3I,ARG_63,13.88,-0.5,1.49,0.38
3GE9,ARG_140,11.73,-0.77,0,0
2YWJ,ASP_171,2.77,-1.39,-0.39,0.76
1ZBM,HIS_-2,5.88,-0.42,0,-0.19
1PV5,GLU_121,4.56,0.2,0,-0.13
3RKV,ARG_195,12.37,-0.49,0.03,0.34
1BN6,LYS_186,10.38,-0.13,0,0.01
4DEZ,ARG_150,12.58,-1.78,0.83,1.03
1T3Y,GLU_111,3.03,1.16,-1.7,-0.93
2EFK,HIS_116,6.53,-0.89,0.72,0.21
1Z9L,LYS_3,11.47,-0.33,0.63,0.67
3EUR,LYS_64,11.59,-0.39,0.85,0.63
3CZC,LYS_21,10.74,-0.25,0.1,0.38
2ILR,GLU_506,3.01,0.46,-1.57,-0.38
1X7F,HIS_13,6.79,-0.62,0.7,0.21
2CVB,GLU_81,4.4,0.25,0,-0.35
2RFA,HIS_157,6.41,-0.09,0,0
3JRT,HIS_84,6.29,-0.21,0,0
4DBL,ARG_200,12.86,-0.3,0.38,0.28
2Q99,LYS_173,10.44,-0.06,0,0
2WOZ,CYS_389,10.51,-0.01,-0.12,1.64
1SQH,LYS_284,10.58,-0.17,0,0.25
2OJQ,ASP_605,4.12,0,0.01,0.3
2QDJ,LYS_95,11.22,-0.32,0.59,0.45
3ASA,ASP_18,3.98,-0.03,-0.2,0.41
3I00,ASP_88,2.79,-0.85,-0.46,0.31
3ADO,ASP_8,2.68,-1.1,-0.95,0.94
3IU5,TYR_144,12.27,-0.85,0.17,2.95
1QQE,LYS_85,11.15,-0.26,0.51,0.42
1DTO,LYS_91,10.46,-0.16,0,0.12
2GAU,ASP_49,3.4,-0.83,0,0.13
2F9F,LYS_64,10.02,-0.21,0,-0.26
1LZL,HIS_143,7.21,-0.44,0.76,0.38
2IXM,LYS_40,11.73,-0.36,0.85,0.75
1XEU,TYR_266,10.94,0,0.33,0.61
3GT0,LYS_43,10.8,-0.19,0.48,0
3G53,ARG_198,12.64,-0.14,0,0.28
2RFA,HIS_122,3.83,-3.29,0.82,-0.19
3ZTA,HIS_114,6.5,-1.32,0.97,0.34
3PBH,ARG_235,11.66,-1.64,0.2,0.59
3ERF,GLU_39,4.14,1.95,-1.66,-0.65
1WNH,HIS_50,7.07,-0.66,0.85,0.38
2EYI,ASP_226,4.39,0,0.09,0.51
2FM9,ASP_200,2,-2.27,-0.02,0.49
3R87,TYR_5,10.64,0,-0.09,0.74
1JB3,ASP_49,3.4,-0.6,-0.13,0.33
2IIA,HIS_71,6.16,-0.28,0,-0.06
2D0A,ARG_219,13.7,-0.31,1.13,0.39
1ZBS,ARG_249,12.53,-0.35,0,0.38
1ZBP,ASP_46,3.63,-0.57,-0.25,0.65
2R4Q,LYS_216,10.39,-0.17,0,0.06
2QEV,GLU_65,4.2,0.28,0,-0.58
3LH5,TYR_718,10.11,0,-0.1,0.21
2Q34,TYR_137,12.07,-1.21,-0.1,3.38
2Q5X,ASP_824,3.94,0,0,0.14
3CIV,TYR_278,13.83,0,0.3,8.3
4ANN,ASP_126,3.83,0,-0.13,0.16
3GA2,TYR_175,10.99,0,0.29,0.7
2ZCO,HIS_278,6.36,-0.17,0,0.04
1G8P,GLU_226,3.66,0.31,-0.8,-0.35
3K1H,TYR_127,10.56,-0.79,-0.06,1.43
3R87,ASP_15,3.24,-1.68,-0.3,1.42
1SUU,LYS_662,10.87,-0.22,0.26,0.33
3ELI,ASP_122,3.16,-0.44,-0.36,0.16
3G9G,LYS_59,10.56,-0.19,0,0.25
2FBQ,GLU_87,2.22,0.48,-2.33,-0.43
3BCY,HIS_76,6.91,-0.55,0.81,0.14
1OGL,GLU_144,3.49,0.29,-0.85,-0.45
3CO1,GLU_106,4.8,0.25,-0.03,0.07
1V6T,ARG_73,12.09,-1.01,0,0.61
3GW3,GLU_110,4.83,0.33,0,0.01
3JV1,LYS_166,9.35,-1.35,0,0.21
3G9B,TYR_109,13.91,0.028,3.64
1XTZ,HIS_62,6.24,-0.23,0,-0.03
2BCF,HIS_134,7.58,-0.6,0.85,0.82
1DOV,ASP_113,3.07,0,-0.1,0.21
1X7F,ASP_84,3.97,0,0,0.17
1YLN,ASP_79,4.07,0,0.08,0.19
1E59,ASP_189,4.45,0,-0.23,0.87
3CBN,ASP_133,3.66,-1.12,-0.22,1.18
3PAC,TYR_166,10.12,0,-0.03,0.15
3K8J,LYS_255,7.15,-0.37,0.52,0.5
3IVF,CYS_116,10.46,-0.07,0.02,1.5
2Z84,GLU_131,3.96,1.21,-1.81,0.07
2HRZ,ARG_27,12.98,-0.59,0.66,0.41
3D9H,GLU_242,4.61,0.11,0,0
3G6S,LYS_159,10.36,-0.24,0,0.1
1EYH,TYR_48,10.07,-0.3,-0.2,0.58
3O7K,TYR_109,12.94,0.74,-0.21,2.42
3QYB,LYS_954,10.64,-0.09,0,0.23
1RKA,GLU_176,3.7,0.23,-0.65,-0.38
2QK1,LYS_500,10.09,-0.42,0,0
2A6B,GLU_167,5.59,1.04,0,0.05
3CIV,HIS_133,6.54,-1.33,0.85,0.52
2POY,ARG_10,12.68,-0.37,0.1,0.44
2CXA,HIS_193,5.83,-0.46,0,-0.21
2D59,TYR_22,10.51,0,0.01,0.5
1HF8,CYS_230,10.23,-0.05,0.33,0.96
1OGL,ASP_185,4.23,-0.84,0.6,1.19
3RFF,ARG_150,12.83,-0.33,0.46,0.21
1VJG,CYS_151,11.41,0,-0.02,2.42
1SQH,CYS_109,12.26,-0.03,0.43,2.86
1J8B,GLU_36,4.19,0.37,-0.67,-0.01
1X04,LYS_137,10.41,-0.09,0,0
3E7P,LYS_220,10.42,-0.2,0,0.13
2D2S,GLU_538,4.8,0.24,0,0.05
3PBH,HIS_45,4.73,-1.88,0.66,-0.55
1ZCU,TYR_221,10.85,0,0.06,0.79
4GA2,LYS_46,11.24,-0.61,0.41,0.94
3BQE,LYS_310,10.23,-0.16,0,-0.11
3RE9,LYS_209,9.59,-0.97,0,0.07
3GT0,LYS_163,10.44,-0.06,0,0
3EZ7,GLU_235,4.59,0.72,-0.54,-0.09
1T07,ARG_3,12.31,-0.63,0.02,0.42
3NR5,GLU_115,2.5,0.52,-2.14,-0.38
3MEW,ASP_196,3.76,-0.28,0,0.24
2PPN,LYS_52,11.47,-0.25,0.84,0.38
1HF8,ARG_66,12.11,-0.86,0,0.46
3RE9,ASP_193,3.18,-1.34,-0.86,1.58
2PGX,ARG_68,12.78,-0.58,0.49,0.36
2AXO,LYS_228,10.7,-1.14,0.83,0.5
2FZ4,GLU_131,4.76,0.28,0,-0.01
1WP5,GLU_69,3.79,0.45,-0.85,-0.32
2ZXY,ASP_182,3.85,0,-0.12,0.18
1YM5,HIS_192,4.68,-1.9,0,0.08
1WOU,TYR_4,10.48,0,0.08,0.39
3COU,ARG_20,12.22,-0.3,0,0.02
2AZP,ARG_41,12.27,-0.25,0,0.01

1SUU, TYR_743, 12.36, -0.72, 0.13, 2.96
 4EF5, LYS_289, 10.49, -0.25, 0.0, 0.25
 2QEV, GLU_48, 4.46, 0.09, 0, -0.13
 2B78, GLU_256, 4.52, 0.16, 0, -0.14
 4FH3, GLU_287, 4.65, 0.23, -0.11, -0.07
 2E3C, ASP_389, 3.95, -0.23, 0, 0.38
 2IDC, GLU_82, 3.97, 0.26, -0.8, 0
 1HF8, LYS_202, 10.44, -0.38, 0, 0.32
 3IBT, ARG_259, 12.35, -0.55, 0.48, -0.08
 3V75, ARG_99, 12.86, -1.13, 0.7, 0.78
 2YT4, HIS_660, 5.85, -0.82, 0.27, -0.1
 2YT4, ARG_630, 13.35, -0.81, 0.34, 1.32
 1SNT, CYS_219, 12.43, -0.18, -0.07, 3.68
 3HQX, LYS_35, 10.28, -0.22, 0, 0
 1WYC, ASP_127, 4.16, 0, -0.18, 0.55
 1LTU, HIS_22, 6.09, -0.5, 0, 0.09
 3LJI, ARG_96, 11.74, -0.59, 0, -0.17
 2QV2, LYS_19, 10.72, -0.94, 0.85, 0.32
 1NIJ, CYS_67, 12.45, 0.0, 12.3, 3.33
 1RKA, ASP_204, 2.77, -1.28, -0.28, 0.53
 3F1X, LYS_300, 10.48, -0.02, 0, 0
 2HXB, ASP_38, 3.18, -0.51, -0.6, 0.5
 1RI6, GLU_262, 4.54, 0.07, 0, -0.03
 3M7G, ARG_144, 13.15, -2.59, 0.67, 2.57
 3OBS, GLU_51, 4.67, 0.2, 0, -0.04
 2EEY, LYS_68, 10.61, -0.11, 0, 0.22
 1QYI, LYS_308, 10.38, -0.14, 0, 0.02
 1OIS, ASP_176, 2.93, -0.85, -0.4, 0.37
 2YX0, GLU_300, 4.43, 0.23, 0, -0.3
 3CRM, HIS_297, 6.3, -0.2, 0, 0
 1RI6, TYR_290, 11.17, -0.15, 0.23, 1.09
 1ZP2, GLU_157, 4.69, 0.22, 0, -0.03
 2NRR, ARG_394, 12.37, -0.48, 0.1, 0.25
 4DNU, TYR_253, 10.06, -0.1, -0.65, 0.81
 3B79, ARG_117, 12.23, -0.34, 0.0, 0.06
 2NYC, ASP_210, 4.15, 0, 0, 0.35
 2WZ9, GLU_71, 4.02, 0.32, -0.8, 0
 3BB7, LYS_90, 9.98, -0.84, 0, 0.32
 2EFK, ASP_168, 2.56, -1.45, -0.09, 0.3
 1SI7, TYR_159, 13.72, -0.01, -0.11, 3.85
 3EYE, LYS_117, 10.47, -0.08, 0, 0.05
 3V1Q, ARG_585, 12.17, -0.34, 0, 0.01
 2PGX, LYS_177, 10.3, -0.2, 0, 0
 3O16, GLU_60, 4.2, 0.28, -2.48, -0.09
 1QYI, TYR_209, 10.55, 0, -0.05, 0.6
 3BWT, ASP_743, 3.34, -0.77, -0.2, 0.5
 1K95, ARG_103, 12.32, -0.12, 0, 0.24
 3L7N, GLU_204, 4.26, 0.33, -0.09, -0.48
 3F6M, HIS_110, 5.95, -0.55, 0, 0
 1XIP, GLU_314, 4.92, 0.49, 0, -0.08
 1YR6, LYS_180, 10.57, -0.26, 0, 0.33
 3OKQ, ASP_609, 3.94, 0, -0.23, 0.38
 3BPV, ASP_122, 3.94, 0, 0, 0.14
 3B79, ARG_47, 12.08, -0.45, 0, 0.03
 3EVN, TYR_56, 11.61, 0.39, 0.45, 0.77
 3JSN, GLU_181, 4.29, 0.33, 0, -0.53
 1DUN, TYR_25, 10.36, 0, 0, 0.36
 1U53, ASP_91, 3.04, -1.01, -0.09, 0.34
 3Q1C, GLU_282, 3.84, 1.27, -1.6, -0.33
 1NKD, ARG_57, 12.44, -0.07, 0, 0.02
 1UCH, ARG_221, 12.68, -0.18, 0, 0.36
 2F19, ARG_15, 11.65, -0.95, 0, 0.1
 2D8N, LYS_101, 10.39, -0.2, 0, 0.09
 200K, TYR_55, 12.33, 0.45, 1.88
 1DVO, ARG_171, 13.13, -0.24, 0.44, 0.43
 3ETU, ASP_262, 4.14, 0, -0.52, 0.87
 1SUU, TYR_574, 10.43, 0, 0.14, 0.29
 3CAX, GLU_353, 4.65, 0.12, 0, 0.03
 3QAV, ASP_184, 3.8, 0, -0.26, 0.26
 3H5T, GLU_344, 4.64, 0.23, 0, -0.09
 2RJD, LYS_239, 10.33, -0.17, 0, 0
 3U2R, ASP_85, 4.28, 0, 0.21, 0.27
 1PNE, LYS_115, 10.33, -0.25, 0.0, 0.08
 1R15, GLU_182, 4.39, 0.23, -0.11, -0.22
 3EVN, TYR_189, 11.6, -0.12, 0.15, 1.57
 4EVF, LYS_48, 11.31, -0.48, 0.78, 0.51
 1RLO, ASP_38, 3.59, -0.32, -0.12, 0.24
 3L7N, ARG_2, 14, -0.41, 1.32, 0.58
 3JZN, ARG_120, 13.72, -0.85, 1.23, 0.86
 4FCU, LYS_206, 10.04, -0.39, 0, -0.07
 3GS3, LYS_270, 10.42, -0.08, 0, 0
 3EGN, TYR_423, 11.45, 0.0, 0.28, 1.18
 3IL3, HIS_83, 5.06, -1.81, 0.23, 0.14
 3GA2, GLU_95, 6.58, 3.01, -0.85, -0.09
 4ETX, GLU_416, 4.69, 0.22, 0, -0.02
 2FL7, TYR_102, 11.78, 0.0, 21, 1.58
 1NAF, LYS_250, 10.89, -0.17, 0, 0.56
 2NRR, GLU_407, 4.93, 0.18, 0, 0.24
 2EJB, GLU_45, 4.64, 0.13, 0, 0.02
 2A6B, GLU_107, 4.5, 0, 0, 0
 3GW3, TYR_30, 12.08, -0.52, 0.77, 1.83
 2Q99, ARG_110, 11.14, -1.63, 0, 0.26
 2H2Z, ARG_60, 13.32, -0.19, 0.61, 0.39
 2EA9, HIS_35, 6.9, -0.36, 0.32, 0.43
 3CIV, HIS_24, 6.36, -0.39, 0, 0.25
 2YYO, ASP_16, 3.82, 0, -0.23, 0.24
 3IVF, ASP_46, 3.98, 0, -0.22, 0.41
 2P0Y, HIS_160, 6.4, -0.1, 0, 0
 1HF8, ARG_129, 13.3, -0.69, 0.85, 0.63
 1GQE, LYS_284, 10.33, -0.3, 0, 0.14
 3GMS, HIS_179, 5.32, -1.1, 0, -0.07
 2B3M, ARG_123, 13.69, -0.56, 0.82, 0.94
 4DVD, ASP_146, 3.39, -1.07, -0.31, 0.99
 2GEN, GLU_180, 2.9, 0.38, -1.49, -0.5
 2OBI, ASP_21, 2.14, -2, -0.44, 0.77
 1O5J, ARG_70, 12.24, -0.36, 0, 0.11
 2G7O, GLU_65, 4.17, 0.26, -0.6, 0
 1DZF, ARG_212, 12.32, -0.25, 0, 0.07
 4FH3, ARG_277, 12.23, -0.56, 0, 0.29
 1MTZ, TYR_281, 13.11, -0.85, 0.3, 3.65
 3EAZ, ASP_115, 2.5, -1.57, -0.5, 0.77
 1WXQ, ARG_234, 13.1, -0.42, 0.2, 0.81
 1BKB, TYR_108, 9.4, -0.65, -0.54, 0.6
 1NRI, CYS_50, 10.54, -0.17, 0.1, 1.61
 3H6Q, TYR_7, 11.76, 0.0, 48, 1.29
 1O5T, TYR_150, 12.5, 0.58, 0.48, 1.44
 1DUP, ASP_90, 4.1, -0.15, 0.18, 0.26
 3ERF, ARG_34, 13.13, -1.47, 1.4, 0.7
 3EVP, LYS_265, 10.37, -0.14, 0, 0
 4ACJ, ASP_765, 2.42, -2.52, -0.34, 1.48
 2ZOM, ARG_278, 12.05, -0.5, 0.0, 0.4
 2VGM, LYS_128, 10.43, -0.23, 0.0, 0.16
 2Q99, TYR_37, 9.77, -0.06, -0.57, 0.39
 2JEO, GLU_106, 3.74, 0.27, -0.45, -0.58
 3LD1, ARG_266, 12.92, -0.92, 0.06, 1.27
 2FD5, GLU_141, 3.12, 0.5, -1.58, -0.3
 1MUF, GLU_97, 5.05, 1.26, -0.22, -0.49
 1YOY, LYS_167, 10.25, -0.35, 0, 0.09
 2ZQ5, GLU_188, 5.89, 3.46, -1.5, -0.56
 2W2S, GLU_202, 4.26, 2.08, -1.5, -0.84
 3P28, TYR_95, 12.21, -0.05, 0.07, 2.19
 1ES9, LYS_118, 10.29, -0.21, 0, 0
 1XIP, ASP_331, 3.97, 0, 0, 0.17
 3ETV, ARG_220, 12.21, -0.44, 0.0, 0.15
 3IBT, ARG_221, 12.01, -0.55, 0, 0.05
 3BCY, GLU_20, 4.62, 0.12, 0, 0
 3EJC, CYS_119, 10.25, -0.17, 0.06, 1.36
 2RGY, TYR_254, 10.11, -0.29, -0.04, 0.45
 200K, LYS_148, 10.5, -0.29, 0, 0.3
 3E5T, GLU_16, 4.27, 0.3, 0, -0.53
 1Q8B, LYS_62, 11.08, -0.38, 0.16, 0.8
 1RKA, GLU_143, 5.45, 2.61, -1.52, -0.14
 1KCM, GLU_159, 5.12, 1.25, -0.51, -0.13
 3FXH, GLU_47, 4.67, 0.14, 0, 0.04
 3BPV, TYR_89, 9.93, 0, -0.3, 0.24
 3CAN, LYS_113, 10.59, -0.11, 0, 0.2
 1WRU, ARG_268, 11.3, -1.38, 0, 0.18
 3L3P, GLU_447, 4.59, 0.11, 0, -0.02
 4E2B, ARG_181, 12.63, -0.85, 0.35, 3.13
 2WB8, HIS_651, 7.08, -2.34, 0.2, 92
 4FZN, CYS_55, 11.31, 0, -0.15, 2.46
 1K95, GLU_140, 3.32, 0.94, -1.48, -0.65
 3M16, LYS_6, 10.6, -0.13, 0, 0.23
 1J85, ARG_74, 13.54, -1.12, 1.63, 0.53
 4E2B, ARG_142, 12.38, -0.1, 0, -0.02
 1XIP, HIS_252, 5.53, -1.03, 0, 0.05
 2FC3, ARG_27, 12.25, -0.56, 0, 0.32
 2F24, HIS_41, 6.51, -0.2, 0, 0.22
 1W7B, TYR_75, 11.44, 0.0, 0.05, 1.4
 2V4U, ASP_507, 4.42, 0.0, 0.28, 0.33
 1CHD, HIS_173, 6.03, -0.41, 0, -0.07
 1T6L, ARG_54, 11.36, -1.46, 0, 0.32
 3F53, CYS_133, 11.08, 0, -0.28, 2.36
 1GQE, ARG_256, 12.39, -0.11, 0, 0
 2W1R, ASP_107, 4, 0, -0.09, 0.29
 4GA2, LYS_123, 10.45, -0.11, 0, 0.05
 2P0Y, HIS_160, 6.4, -0.1, 0, 0
 3DB9, ASP_69, 3.29, -1.67, 0, 1.16
 3BQW, CYS_202, 9.9, 0, -0.17, 1.07
 2X4L, LYS_313, 10.26, -0.24, 0, 0
 3LJI, GLU_286, 3.49, 0.47, -0.87, -0.61
 3GYW, GLU_84, 4.56, 0.19, 0, -0.13
 1WJG, HIS_296, 6.66, -0.42, 0.54, 0.04
 1PNE, ARG_74, 13.22, -0.31, 0.69, 0.34
 2V1L, ASP_102, 4.06, 0, -0.17, 0.42
 1O6D, LYS_24, 10.18, -0.21, 0, -0.11
 4EKU, ASP_189, 3.91, 0, -0.21, 0.32
 3M7G, TYR_258, 12.49, 0.0, 51, 1.98
 2PLQ, ARG_316, 12.73, -0.18, 0, 0.41
 3ADO, GLU_86, 4.43, 0.13, 0, -0.2
 3EJC, LYS_81, 10.04, -0.47, 0, 0
 3AZZ, HIS_139, 5.68, -0.41, 0, -0.4
 3BA1, GLU_2, 4.45, 0.04, -0.09, 0
 3ULX, GLU_69, 4.63, 1.61, -0.71, -0.77
 2APL, LYS_106, 10.25, -0.25, 0, 0
 3BPP, GLU_174, 4.58, 0.38, -0.31, 0.02
 2H2Z, LYS_137, 10.32, -0.46, 0, 0.27
 1WP5, TYR_16, 9.67, -0.58, -0.09, 0.34
 1DZF, GLU_36, 3.84, 0.27, -0.7, -0.23
 1T07, TYR_22, 10.85, 0, 0.08, 0.78
 2W2S, GLU_193, 4.79, 0.08, 0, 0.21
 2R51, ARG_283, 13.04, -0.35, 0.58, 0.31
 3U56, GLU_105, 4.76, 0.18, 0, 0.07
 2R2Y, ARG_92, 13.57, -0.91, 1.35, 0.63
 3I4T, GLU_264, 4.06, 0.4, -0.46, -0.38
 4DEZ, TYR_50, 11.73, -0.07, 0.05, 1.75
 1J74, LYS_108, 10.48, -0.09, 0, 0.07
 4ETX, GLU_379, 4.72, 0.14, 0, 0.08
 1SJ8, ASP_666, 3.79, 0, -0.32, 0.31
 4DVD, GLU_138, 4.78, 0.28, 0, 0
 1RI6, ARG_57, 11.76, -0.74, 0, 0
 3ERF, ARG_119, 13.25, -0.45, 0.69, 0.51
 2Q34, ASP_102, 4.05, 0, -0.13, 0.38
 2INO, CYS_1, 9.28, -0.92, -0.42, 1.61
 3RFY, ARG_194, 12.35, -0.3, 0, 0.15
 2DFL, LYS_80, 10.38, -0.12, 0, 0
 3N2T, ASP_151, 3.46, -0.32, -0.48, 0.46
 3JZ9, GLU_505, 3.14, 0.63, -1.59, -0.4
 3FK5, ARG_139, 13.46, -0.18, 0.79, 0.35
 1J33, GLU_184, 3.98, 0.39, -0.68, -0.23
 2INO, GLU_102, 3.94, 0.19, -0.85, 0.09
 2XMZ, LYS_152, 10.52, -0.15, 0, 0.18
 3LQE, ASP_443, 4.04, 0, 0.24
 1J8B, ASP_71, 4.18, 0.0, 11, 0.27
 2H2Z, ARG_279, 12.31, -0.36, 0, 0.17
 2YWJ, ASP_139, 3.96, 0, 0.07, 0.1
 3PZ9, CYS_82, 11.9, -1.21, 0.55, 3.57
 2B0J, GLU_344, 4.74, 0.11, 0, 0.14
 2GZQ, LYS_102, 10.45, -0.19, 0, 0.13
 3V4G, ARG_12, 12.43, -0.08, 0, 0.01
 2PPN, LYS_34, 10.63, -0.1, 0, 0.23
 2X4J, LYS_59, 10.75, -1.01, 0.85, 0.41
 1WRU, ARG_12, 12.38, -0.35, 0, 0.23
 3CX5, ASP_18, 3.72, -0.34, -0.1, 0.37
 2YLF, ARG_83, 12.15, -0.25, 0, -0.1
 1PGV, ARG_356, 13.22, -0.5, 0.84, 0.38
 3H6Q, ARG_108, 11.67, -0.88, 0, 0.05
 1AT0, GLU_262, 4.51, 0.67, -0.6, -0.06
 1P6F, LYS_149, 10.46, -0.04, 0, 0
 1C44, ASP_79, 4.4, 0, -0.25, 0.85
 1YB2, ARG_38, 12.84, -0.18, 0.08, 0.43
 4DVD, TYR_107, 9.91, -0.25, -0.22, 0.38
 2BQQ, ARG_76, 12.35, -0.24, 0, 0.08
 3CCY, ASP_137, 3.84, -0.34, -0.38, 0.76
 3RVC, LYS_131, 10.69, -0.64, 0.31, 0.52
 3N2T, GLU_191, 4.76, 1.67, -0.95, -0.47
 3CIV, GLU_307, 3.73, 1.7, -1.99, -0.47
 3NJM, ASP_74, 3.83, -0.44, -0.08, 0.55
 2RGY, GLU_126, 4.54, 0.04, 0, 0
 2EEY, ASP_17, 2.42, -1.62, -0.09, 0.34
 2B0A, CYS_181, 13.36, 0.0, 5, 3.85
 2D7U, ASP_243, 3.88, 0, -0.32, 0.4
 1NIJ, ASP_219, 4.58, 0, -0.37, 1.15
 1Q8B, LYS_100, 10.03, -0.65, 0, 0.18
 1JYH, ASP_38, 4.11, 0, 0, 0.31
 1ZBP, GLU_233, 5.32, 0.86, 0, -0.04
 3RKV, GLU_261, 4.89, 0.47, 0, -0.08
 3LD1, ASP_127, 3.13, -0.66, -0.38, 0.38
 3M16, CYS_90, 10.17, 0, 0.03, 1.14
 1HF8, LYS_166, 10.56, -0.12, 0, 0.17
 3DSH, ARG_288, 12.79, -0.61, 0.45, 0.45
 1F09, CYS_123, 13.01, -0.06, 0.73, 3.35
 1DVO, LYS_81, 10.63, -0.39, 0.15, 0.37
 1XEU, ASP_239, 4.16, 0.0, 11, 0.25
 3RE9, TYR_99, 13.64, -0.04, 0.5, 3.17
 3P2F, TYR_24, 10.3, 0, 0.07, 0.24
 2JEO, ASP_229, 4.06, -0.07, -0.12, 0.45
 3N0K, ASP_40, 3.9, -0.12, 0, 0.22
 1NFN, ARG_142, 12.22, -0.28, 0, 0
 3ZXY, GLU_212, 4.47, 0.28, 0, -0.31
 2AD1, GLU_95, 3.23, 0.22, -1.04, -0.46
 2EEY, ARG_159, 12.61, -0.32, 0, 0.43
 2OJQ, ARG_686, 12.47, -0.24, 0, 0.22
 3K8J, GLU_257, 3.91, 0.22, -0.52, -0.29
 1T95, LYS_107, 10.54, -0.1, 0, 0.13
 1ZCU, TYR_14, 11.07, 0.0, 0.04, 1.03
 3M70, ASP_268, 3.45, -0.82, 0, 0.47
 2OEW, ASP_141, 2.92, -0.92, -0.18, 0.21
 3UPD, LYS_92, 10.4, -0.14, 0, 0.05
 3ADO, GLU_157, 3.79, 2.14, -2.32, -0.51
 2YWX, GLU_45, 4.69, 0.18, -0.3, 4.7E-18
 1MUF, ASP_328, 3.25, -0.85, 0.0, 3
 3BQE, ASP_332, 4.33, -0.02, -0.15, 0.69
 1LFP, GLU_243, 5.21, 0.42, 0, 0.29
 2Q13, ARG_237, 12.38, -0.12, 0, 0
 2RFA, HIS_201, 4.74, -2.52, 0.63, 0.13

2C13,ARG_30,11.84,-0.98,0,0.32
 1TR9,GLU_175,4.67,0.14,0,0.03
 3BB7,LYS_314,10.66,-0.12,0,0.28
 1J85,ARG_20,13.97,-0.32,1.35,0.43
 2RIK,GLU_258,3.97,0.31,-0.72,-0.12
 3ONH,CYS_540,11.51,0.24,0.49,1.78
 3M7D,HIS_271,6.18,-0.2,0,-0.12
 1MIX,LYS_306,11.24,-0.46,0.55,0.64
 3LQE,GLU_311,5.52,1.96,-0.72,-0.22
 1P1L,TYR_6,10.77,0.0,24,0.52
 3BWT,LYS_780,10.88,-0.27,0,0.65
 3CIV,GLU_224,4.58,0.11,0,-0.03
 2X4G,HIS_139,6.15,-0.56,0,0.22
 3F6F,GLU_125,4.92,0.38,0,0.04
 2Q12,GLU_95,4.78,0.4,0,-0.13
 2WB8,HIS_505,6.49,-0.11,0,0.1
 1ZBM,GLU_39,6.21,3.06,-1.48,0.13
 4H4J,HIS_212,3.89,-1.9,0,-0.71
 3AU3,LYS_561,10.61,-0.12,0,0.23
 1ZBS,ASP_222,4.63,0.0,0.04,0.79
 3MIX,GLU_412,4.72,0.27,0,-0.05
 1EV8,GLU_14,3.6,0.35,-0.83,-0.42
 1O9G,GLU_111,3.41,0.55,-0.59,-1.06
 1ZKZ,ASP_23,3.83,-0.39,0,0.42
 1EDG,ARG_357,10.64,-2.95,0,1.08
 3HOX,GLU_59,4.31,0.57,0,-0.76
 1ZBP,GLU_223,4.77,0.28,-0.16,0.16
 1RKA,GLU_192,3.85,0.5,-0.74,-0.41
 1S7K,ARG_128,13.36,-0.32,0.84,0.34
 1MTZ,ARG_90,13.18,-1.4,1,1.07
 2W0G,ARG_266,12.16,-0.26,0,-0.09
 2O8P,LYS_29,10.5,0,0,0
 1H4U,LYS_504,10.44,-0.24,0,0.18
 3V3T,LYS_47,10.33,-0.2,0,0.03
 3CS1,GLU_82,4.02,0.6,-0.63,-0.46
 3FK5,ASP_143,3.2,-0.69,-0.41,0.5
 1L2F,LYS_16,10.41,-0.25,0,0.16
 1JSX,GLU_172,3.8,1.12,-1.39,-0.42
 3S0A,LYS_41,10.38,-0.25,0,0.14
 1XKR,GLU_177,3.71,0.45,-0.75,-0.49
 1GSZ,ASP_151,3.42,-1.15,-0.1,0.86
 2OBI,CYS_46,8.76,-1.62,-0.29,1.68
 1RAJ,GLU_427,4.48,0.1,0,-0.13
 2BAA,TYR_111,10.78,-0.83,0.1,1.52
 3JSN,LYS_37,10.46,-0.06,0,0.02
 1QQE,GLU_176,3.76,0.45,-0.77,-0.44
 3COU,ASP_71,3.59,0.45,-0.1,0.34
 3C2E,ASP_222,3.14,-1.28,-0.52,1.15
 1ZBM,GLU_197,4.77,0.37,0,-0.08
 2CWC,HIS_199,6.27,-0.54,0,0.31
 2P1W,LYS_53,10.64,-0.1,0,0.24
 4E9E,LYS_529,10.48,-0.13,0,0.11
 4GA2,ARG_58,12.23,-1.19,-0.19,-0.07
 1J33,ARG_200,12.24,-0.34,0,0.08
 3BWT,ARG_728,12.21,-0.84,0,0.55
 2FXT,ARG_291,12.76,-0.14,0,0.4
 4H89,GLU_151,4.66,0.16,0,0
 2P5D,ASP_140,3.89,-1.54,-0.28,1.91
 1U7U,ASP_185,2.33,-1.55,-0.76,0.83
 2EYI,TYR_246,10.83,0,0,0.83
 2PLQ,TYR_20,12.26,0,0.02,2.24
 4ANN,HIS_179,7.02,-0.65,0.85,0.31
 1GPP,ARG_138,12.77,-0.11,0,0.38
 4D8L,ARG_124,12.79,-2.61,0.72,2.18
 3BCH,LYS_17,9.98,-0.64,0,0.12
 1ZBM,LYS_226,12.46,-0.43,1.64,0.75
 3MIX,LYS_330,10.2,-0.5,0,0.21
 1QSZ,ASP_593,3.15,-0.5,-0.35,0.2
 2OYZ,ASP_61,3.91,0,-0.06,0.16
 3RJX,TYR_325,11.21,0,0.26,0.95
 2ZQ5,ASP_330,1.81,-2.02,-0.48,0.51
 1T07,ARG_19,12.57,-0.17,0,0.24
 2B0J,CYS_322,9.79,0,0.1,0.68
 4EF5,GLU_338,10.43,-0.1,0,0.03
 2CXA,ARG_88,12.29,-0.53,0,0.32
 1U7U,LYS_247,10.11,-0.39,0,0
 3M16,LYS_67,10.08,-0.4,0,-0.02
 1TLV,TYR_240,9.86,-0.09,-0.38,0.34
 1NIJ,ARG_242,12.5,-0.12,0,0.13
 2Q99,TYR_183,11.64,0,0,1.64
 2A4D,TYR_219,10.67,-0.84,0.01,1.5
 2O8P,GLU_211,4.5,0,0,0
 2NSN,ARG_35,12.27,-0.14,0,-0.09
 2IQT,ASP_154,4.37,0,-0.02,0.59
 3GYW,ARG_82,10.82,-2.11,0,0.43
 3UAH,HIS_320,8.46,-1.38,1.7,1.64
 2AH5,GLU_95,4.9,0.21,0,0.19
 1QYI,GLU_130,3.7,0.92,-1.19,-0.54
 3ERF,LYS_60,10.34,-0.17,0,0.01
 3G9G,ARG_195,12.35,-1.2,0.81,0.24
 1U7U,TYR_337,10.33,0,0,0.34
 2JEO,ASP_116,3.17,-0.96,-0.06,0.38
 1HF8,ASP_224,3.9,0,-0.02,0.12
 3TMO,GLU_189,4.58,0.08,0,0
 1G8P,LYS_316,12.17,-0.59,1.44,0.82
 1U53,LYS_186,11.48,-0.32,0.8,0.5
 2V4U,ARG_481,13.05,-0.33,0.47,0.41
 2Q12,GLU_14,4.11,0.15,-0.54,0
 2A6B,LYS_48,10.54,-0.29,0,0.33
 2VGY,ASP_100,3.99,-0.16,-0.05,0.41
 2JKF,GLU_57,4.64,0.1,0,0.04
 3IV4,ASP_61,3.6,-0.44,0.01,0.22
 1QYI,GLU_112,4.4,1.44,-1.05,-0.5
 2OSA,LYS_402,10.22,-0.44,0,0.16
 3RJZ,LYS_175,11.34,-0.4,0.85,0.38
 3KEY,HIS_429,6.13,-0.32,0,-0.05
 3BQW,ASP_256,3.8,-0.3,0,0.3
 2OPJ,ARG_280,12.27,-0.83,0,0.59
 1O0X,ASP_222,2.02,-2.5,-0.25,0.96
 2H2W,TYR_293,10.22,0,0,0.22
 1QQE,GLU_125,5.06,1.09,-0.06,-0.48
 3RJX,ARG_86,11.35,-1.63,0,0.49
 3UV9,ARG_441,13.53,-0.34,0.43,0.94
 3PZ9,LYS_311,9.29,-1.42,0,0.21
 1UCH,ASP_167,3.92,0,-0.14,0.06
 3JZN,ARG_216,11.42,-1.38,0,0.3
 3RVC,ASP_101,3.86,0,-0.09,0.15
 3AU3,ASP_610,3.88,0,-0.06,0.14
 2F9F,LYS_96,10.18,-0.2,0,-0.12
 2G2D,ARG_164,12.86,-0.49,0.36,0.49
 2EJX,GLU_47,4.14,0.34,-0.13,-0.55
 3LJI,GLU_201,4.92,0.14,0,0.28
 1ZP2,GLU_228,4.8,0.38,0,-0.07
 3ZXV,LYS_284,10.3,-0.18,0,-0.01
 1VJG,ASP_142,3.96,0,-0.19,0.35
 3JZN,CYS_126,11.66,0,-0.28,2.93
 2R57,LYS_195,11.93,-0.8,1.66,0.58
 2ZQ5,ARG_202,13.28,-0.35,0.72,0.42
 3F6F,TYR_128,10.13,-0.73,0.16,0.69
 1W24,ARG_176,13.63,-0.34,0.96,0.51
 3G59,ASP_20,4.11,-0.32,-0.06,0.69
 2W1R,GLU_161,3.29,1.2,-2.07,-0.34
 2Z0W,ASP_82,4,0,0,2
 2DGF,HIS_167,6.46,-0.14,0,0.12
 1YR6,ASP_132,3.63,-0.73,-0.35,0.91
 3E0H,CYS_9,9.72,-0.22,-0.21,1.15
 2VGY,HIS_109,5.82,-2.04,0.85,0.51
 3Q9P,ARG_94,12.18,-0.23,0,-0.09
 3N2T,ASP_311,3.99,0,-0.16,0.35
 2V81,TYR_180,12.39,0.26,0.45,1.69
 4ANN,ARG_111,12.43,-0.29,0,0.22
 1QQE,LYS_51,10.45,-0.05,0,0
 3QZC,GLU_86,4.5,0.19,0,-0.19
 3CRM,ARG_68,13.2,-0.46,0.18,0.98
 2W2S,ASP_194,4.04,0,0,0.24
 1QQL,ARG_122,12.28,-0.22,0,0
 3H6Q,LYS_21,10.45,-0.05,0,0
 1ZBP,ARG_151,13.26,-2.3,0.46,2.6
 2FXT,LYS_314,10.39,-0.14,0,0.03
 1KCM,LYS_5,9.83,-0.92,0.05,0.21
 3BB7,GLU_78,4.64,0.14,0,0
 3ON1,ARG_17,12.45,-0.05,0,0
 2F4Q,ARG_170,12.24,-0.26,0,0
 3ETU,LYS_313,12.31,-1.07,1.51,1.37
 1WP5,TYR_108,10.53,0,0.22,0.31
 2OKT,HIS_7,6.19,-0.66,0,0.35
 1H09,LYS_197,10.43,-0.07,0,0
 1PGV,ASP_329,3.4,-1.08,-0.17,0.85
 2YYO,LYS_86,10.51,-0.24,0,0.25
 3GT0,LYS_100,10.29,-0.31,0,0.1
 3G69,ASP_205,4.04,-0.25,0.05,0.45
 1MIX,LYS_322,10.39,-0.11,0,0
 3OBS,LYS_33,10.41,-0.12,0,0.03
 2GAU,ARG_77,11.17,-2.43,0,1.1
 3F6M,ASP_67,3.84,-0.31,-0.03,0.38
 1FQI,TYR_393,10.92,0,-0.16,1.08
 3GW3,GLU_115,4.65,0.23,0,-0.08
 3ADO,ASP_291,2.23,-1.8,-0.38,0.61
 1R53,HIS_244,6.01,-0.46,0,-0.03
 2FZP,GLU_195,3.4,1.06,-1.8,-0.37
 2HP7,GLU_206,4.55,0.05,0,0
 1WXQ,LYS_233,10.33,-0.18,0,0.01
 1YB2,HIS_173,6.14,-0.95,0.06,0.51
 2Z61,TYR_62,10.15,0,0,0.15
 1PSW,GLU_226,4.63,0.15,0,-0.02
 3RJZ,LYS_208,10.4,-0.42,0,0.32
 3CIV,ASP_246,3.42,-0.76,-0.35,0.72
 1MJS,LYS_332,10.33,-0.2,0,0.03
 3C6B,GLU_246,4.45,0.27,0,-0.32
 3CBN,ARG_145,12.78,-0.25,0.08,0.45
 1TD6,GLU_194,4.86,0.38,-0.02,0
 3TIR,ASP_155,3.89,0,-0.1,0.19
 1YTQ,LYS_167,10.39,-0.11,0,0
 1UCH,TYR_141,11.86,0.41,1.44
 2QOQ,ARG_77,12.24,-0.31,0,0.05
 3A2Z,ASP_182,3.35,-0.94,0.05,0.43
 1ILW,ARG_13,12.65,-0.33,0.06,0.42
 3CNU,TYR_34,13.53,0.12,2.33
 3LD1,LYS_101,10.94,-1.17,0.85,0.77
 4FCU,CYS_122,10.47,-0.42,-0.15,2.05
 1R3F,HIS_173,6.46,-1.04,0.85,0.15
 1MTZ,GLU_26,3.75,0.2,-0.57,-0.38
 1MML,LYS_120,10.84,-0.28,0.57,0.04
 1PVT,ARG_31,10.85,-1.71,0,0.06
 4DEZ,ASP_204,3.72,-0.38,0,0.3
 1PBV,ARG_63,12.41,-0.09,0,0
 2QOP,GLU_122,4.81,0.17,0,0.15
 1TJE,ARG_12,12.93,-0.36,0.23,0.55
 3ETV,LYS_78,10.19,-0.31,0,0
 2B78,GLU_319,4.81,0.66,0,-0.35
 1YB2,ASP_150,2.95,-0.83,-0.55,0.53
 3EGN,GLU_449,4.6,0.1,0,0
 3KT9,CYS_51,9.99,-0.06,1.39E-17,1.04
 1RKA,GLU_130,4.58,0.12,0,-0.04
 3GW3,ASP_306,4.36,-0.47,0.1,0.4
 3C2E,HIS_179,5.73,-0.67,0,-0.1
 1OST,HIS_257,5.72,-0.42,0,-0.36
 1W7B,TYR_275,10.02,-0.22,-0.07,0.31
 2YWJ,GLU_47,2.65,0.89,-2.34,-0.39
 1NWA,ASP_19,4.25,-0.42,-0.16,1.03
 3Q1C,ASP_123,2.82,-1.35,-0.03,0.4
 3OKQ,GLU_56,4.96,0.31,0,0.15
 1W24,HIS_57,6.01,-1.13,0.82,-0.18
 2AH5,ASP_127,4.21,0,-0.1,0.51
 1BYI,TYR_218,10.09,-0.26,0.35
 3C5V,CYS_178,12.82,0,0,3.82
 3JV1,LYS_72,10.11,-0.29,0,-0.1
 4ECC,ASP_227,3.66,-0.03,-0.43,0.32
 1O6D,LYS_142,10.41,-0.35,0,0.27
 1RAJ,HIS_336,6.28,-0.23,0,0
 3RE9,HIS_235,6.7,-0.62,0.33,0.49
 2FL4,GLU_24,4.79,0.29,0,0
 1J85,GLU_8,4.08,0.96,-1.09,-0.28
 2FXT,ASP_389,4.04,0,0.24
 3LJI,TYR_262,11.3,-0.27,0.45,1.09
 2Q99,ARG_362,12.23,-0.27,0,0
 1EQ6,ARG_71,12.38,-1.77,0.82,0.82
 2D7U,LYS_300,10.47,-0.15,0,0.11
 1R7J,LYS_18,10.41,-0.24,0,0.14
 4H4J,GLU_60,3.95,0.27,-0.83,0
 1V43,LYS_193,10.29,-0.64,0,0.43
 2YYO,TYR_20,11.26,-0.02,0.31,0.98
 2E3C,GLU_274,4.93,0.28,0,0.15
 3ANJ,TYR_46,10.65,0,0,0.65
 4DIU,GLU_136,4.21,0.37,-0.06,-0.6
 2FXT,ASP_389,4.04,0,0.24
 2P65,ASP_139,4.08,-0.77,0,1.05
 2WOZ,ASP_477,3.2,-1.35,-0.46,1.21
 1QQE,TYR_31,10.18,0,0.12,0.06
 3CAX,LYS_371,10.51,-0.2,0,0.21
 1QQL,TYR_41,10.22,0,-0.13,0.35
 2PGX,ASP_185,10.08,-0.2,0,-0.22
 3O48,TYR_81,11.95,0,0.06,1.88
 2JKF,ASP_118,3.49,-0.73,-0.36,0.78
 3TOW,LYS_102,10.4,-0.12,0,0.02
 2OB5,LYS_120,10.05,-0.48,0,0.04
 1X9G,ARG_186,4.89,0.81,0,-0.43
 2G3A,ARG_92,12.97,-0.77,0.77,0.46
 2CBE,GLU_221,3.8,0.21,-0.89,-0.03
 2D8N,LYS_166,10.49,-0.28,0,0.28
 1RLO,ASP_163,3.84,0,-0.51,0.55
 3GA2,TYR_57,10.53,0,0.22,0.31
 1G8P,TYR_274,10.08,0,0,0.08
 3FHF,GLU_9,4.34,0.22,0,-0.38
 3FHF,GLU_156,3.99,0.38,-0.66,-0.22
 3GT0,TYR_76,12,-0.31,-0.02,2.33
 2Q13,CYS_99,9.99,-0.23,0.14,1.07
 2E3S,ASP_479,2.41,-2.5,-0.63,1.73
 1J74,ASP_28,2.23,-1.75,-0.22,0.4
 4F3J,ASP_167,3.25,-1.7,0.1,1.15
 1YM5,HIS_157,6.81,-0.69,0.12,0.89
 2V4X,GLU_12,4.62,0.19,0,-0.07
 2QDJ,LYS_228,10.55,-0.45,0,0.49
 1VJG,ARG_108,12.76,-0.35,0.35,0.26
 1TP6,HIS_110,6.46,-0.36,0,0.31
 3OIP,LYS_214,10.27,-0.25,0,0.03
 2B61,TYR_156,12.5,0.62,1.89
 3RFF,GLU_142,4.74,0.11,0,0.13
 1SIG,ARG_364,13.26,-0.72,0.62,0.86
 3V75,HIS_166,6.56,-0.37,0,0.43
 1ZHV,ASP_101,3.94,0,-0.04,0.18
 1W24,HIS_115,5.43,-1.07,0,0.01
 2BQQ,GLU_118,3.07,0.45,-1.65,-0.23
 4F8A,HIS_689,6.11,-0.25,0,-0.14
 3GA2,ASP_154,3.81,-0.21,-0.15,0.37
 2ZCO,ASP_155,3.04,-0.6,-0.8,0.64

2B02,GLU_455,4.24,0.48,-0.69,-0.05
2QEV,HIS_37,5.35,-1.26,0.66,-0.55
3U4K,ASP_169,3.97,0,0,0.18
1DUN,ASP_40,1.84,-2.75,0,0.8
4DIU,ASP_231,3.07,-0.42,-0.57,0.26
3L3P,GLU_281,4.07,0.22,-0.28,-0.36
3LJN,CYS_141,11.6,-0.23,0,2.83
2F8H,LYS_66,10.72,-0.26,0,0.48
3EGN,CYS_388,9.36,0,-0.28,0.64
3U56,ASP_52,3.64,-0.6,-0.28,0.72
2R57,GLU_212,4.91,2.31,-1.6,-0.3
3HVW,CYS_276,10.48,0,0.15,1.34
2JHY,ASP_201,3.75,0,-0.36,0.31
2ZOM,ARG_232,13.04,-1.7,1.42,0.81
1R3F,ASP_298,2.71,-1.41,-0.34,0.65
3P28,HIS_133,2.31,-3.38,0.74,-1.53
1YW5,LYS_84,10.14,-0.13,0,-0.23
3E7P,ASP_114,2.7,-0.85,-0.76,0.51
2GZQ,ASP_30,3.95,0,-0.53,0.69
1OLR,TYR_183,10.69,-0.37,-0.07,1.13
3GYW,TYR_135,10.38,0,-0.3,0.68
3Q6L,ASP_72,2.83,-0.85,-0.38,0.26
3ERF,GLU_144,3.61,1.99,-1.69,-1.19
3EVN,HIS_252,5.04,-0.99,0,-0.47
3PAC,ARG_114,12.48,-0.27,0,0.26
1OST,ASP_239,4.5,0,-0.04,0.74
2BAA,ASP_146,3.36,-1.06,-0.07,0.69
1H4U,GLU_485,4.85,1.2,-0.59,-0.26
3GG6,GLU_94,5.48,0.89,-0.22,0.31
1UXO,GLU_63,4.07,0.28,-0.37,-0.34
3V4G,GLU_21,4.79,0.29,0,0
2BV9,LYS_151,10.52,-0.52,0,0.53
3D9H,GLU_237,3.06,0.45,-1.22,-0.67
3BPP,ASP_68,3.18,-0.6,-0.38,0.37
3BQW,TYR_16,10.39,-0.72,-0.64,1.75
1G8P,ARG_219,12.5,-0.08,0,0.08
2A1V,ASP_64,3.51,-0.61,-0.06,0.38
4E9E,GLU_450,4.47,2.63,-2.33,-0.33
2DFL,HIS_236,4.14,-2.63,0.27,0
1H09,TYR_253,10.79,-0.19,0,11.0.87
1MSI,TYR_191,10.19,0,0.01,0.18
1BKB,ARG_116,12.28,-0.22,0,0
2B2H,GLU_178,4.32,0.35,0,-0.53
2C13,GLU_240,4.28,2.38,-1.86,-0.72
3GS9,GLU_32,5.22,2.07,-0.55,-0.81
3DTE,ARG_179,12.39,-0.15,0,0.04
3B7X,ARG_70,12.45,-0.1,0,0.04
2QK1,TYR_412,10.2,-0.97,0.03,1.15
1WP5,GLU_172,5.88,2.2,-0.85,0.02
3DTE,GLU_20,4.13,0.24,-0.35,-0.26
1U7U,TYR_400,10.88,-0.04,0.07,0.84
3QKY,TYR_125,10.6,-0.02,0.2,0.42
3RKV,GLU_264,4.65,0.47,0,-0.33
4AM1,LYS_94,11.21,-0.28,0.66,0.32
1XIP,LYS_19,10.39,-0.12,0,0.02
1PSW,GLU_338,4.95,0.62,0,-0.16
3PZ9,LYS_307,10.27,-0.37,0,0.14
3OIP,ARG_195,12.55,-0.33,0,0.38
4EF5,TYR_245,11.25,-0.15,0.04,1.36
3M70,CYS_87,11.08,0,0.02,2.06
3SMD,GLU_56,2.81,0.9,-2.17,-0.43
2F9F,GLU_33,4.06,0.29,-0.32,-0.41
2AHE,ARG_176,11.22,-1.58,0,0.3
1V43,ARG_350,12.29,-0.25,0,0.04
3Q1C,ASP_249,2.17,-1.27,-0.85,0.49
4F8A,GLU_633,4.72,0.19,0,0.03
2EDM,LYS_160,9.07,-0.98,0,-0.46
1FKM,HIS_285,5.72,-1.75,0.81,0.16
3Q2C,ARG_49,12.24,-0.28,0,0.02
2JEO,ASP_95,2.75,-0.95,-0.47,0.37
4F85,HIS_66,6.36,-0.28,0,0.15
2YWJ,ASP_147,2.58,-1.62,-0.57,0.96
1V4U,CYS_413,10.42,-0.02,-0.16,1.61
1CBY,TYR_245,10.3,0,-0.1,0.4
2H85,TYR_193,12.5,0.85,0.63,1.02
3C5V,ARG_201,9.77,-2.75,0,0.03
2E3C,ASP_394,3.73,-0.12,-0.09,0.15
1OGL,ARG_218,13.24,-0.29,0.61,0.42
2EJX,GLU_69,3.59,0.71,-0.96,-0.67
3JSN,LYS_93,11.47,-0.32,0.73,0.55
3DZ1,ASP_25,2.61,-1.89,-0.68,1.39
2C13,HIS_14,5.66,-0.71,0,-0.13
3PM2,LYS_162,10.68,-0.19,0,0.37
3CBN,ARG_87,12.1,-0.45,0,0.05
3G9G,GLU_106,4.79,0.42,0,-0.15
3U2A,ARG_44,12.43,-0.07,0,0
4H4J,LYS_95,10.23,-0.41,0,0.13
3RKV,ARG_324,12.31,-0.41,0,0.21
2QDJ,GLU_125,4.47,0.16,0,-0.19
1JT9,LYS_57,10.28,-0.28,0,0.06
2B3M,LYS_155,10.5,-0.26,0,0.25
2X5Y,GLU_757,3.67,0.34,-0.83,-0.33
3M66,LYS_308,10.59,-0.1,0,0.19
3ADO,ARG_302,13.19,-0.54,0.79,0.43
2E3S,GLU_456,2.65,0.55,-1.69,-0.7
1C44,ASP_70,3.18,-0.78,-0.36,0.51
3HUE,LYS_299,10.39,-0.17,0,0.06
3F1X,HIS_186,6.94,-0.59,0.26,0.76
1RSS,ARG_114,12.46,-0.04,0,0
1R3D,GLU_117,8.8,5.1,-0.89,0.09
1RZZ,GLU_193,5.32,0.75,0,0.07
1MD6,HIS_31,6.43,-0.11,0,0.04
3Q1C,GLU_276,3.29,0.32,-1.01,-0.52
3EJG,GLU_112,4.92,0.65,0,-0.24
3RJZ,TYR_11,13.89,-0.5,0,4.4
3PZ9,TYR_88,10.83,0,0.1,0.73
2C13,ARG_91,12.19,-0.48,0,0.17
3GOZ,GLU_295,4.75,0.41,0,-0.16
3UXZ,GLU_39,4.59,0.21,0,-0.13
3JRT,GLU_66,4.2,0.59,-0.33,-0.54
2G5X,LYS_212,10.35,-0.22,0,0.07
3B4D,ASP_222,3.98,0,-0.05,0.23
2YT4,CYS_514,8.52,-0.71,-0.09,0.31
3ADO,ASP_115,3.46,-0.56,0.02,0.2
4FZR,CYS_347,11.74,-0.06,-0.03,2.83
2X4J,LYS_85,11,-0.27,0.39,0.38
3L0D,ARG_104,12.23,-0.32,0,0.05
2NMU,GLU_83,5.13,1.01,0,-0.38
1FQI,LYS_336,11.71,-0.83,0.75,1.29
1PBV,TYR_171,12.56,0.44,2.13
2D8N,LYS_157,10.52,-0.14,0,0.15
3ONH,LYS_447,10.59,-0.18,0,0.27
1YM5,TYR_242,10.91,0,0.02,0.89
1UW7,TYR_66,10.28,-0.01,-0.19,0.48
3RHE,LYS_43,10.47,-0.03,0,0
2V1L,ASP_140,2.32,-2.22,0.24,0.49
2QVT,ASP_127,3.93,0,-0.04,0.18
3EX9,ASP_48,1.62,-2.3,-0.44,0.56
3V55,ARG_354,12.66,-0.28,0,0.43
3JSN,TYR_219,12.93,0,0.43,2.5
1EV8,ARG_222,11.96,-0.52,0,-0.03
2CN1,HIS_171,6.76,-0.72,0.73,0.25
3EZ7,HIS_230,5.85,-1.66,0.85,0.15
3NBI,GLU_185,3.9,0.38,-0.76,-0.23
2X4J,GLU_37,4.82,0.22,0,0.1
3EJG,LYS_2,10.45,-0.05,0,0
3GOZ,CYS_236,9.39,0,0.08,0.31
1J8B,ASP_79,2.38,-1.33,-0.62,0.53
2G5X,LYS_38,9.16,-1.35,0,0
3M7D,GLU_262,5.04,0.41,0,0.13
3RJX,LYS_300,9.62,-0.44,0,-0.43
1TD6,LYS_50,10.35,-0.21,0,0.06
3L0D,GLU_148,4.42,0.8,-0.23,-0.64
3CCY,ARG_129,12.27,-0.23,0,0
2R57,ASP_243,2.27,-1.7,-0.32,0.5
1UOH,LYS_90,10.39,-0.13,0,0.01
1K95,ASP_209,2.4,-1.56,-0.43,0.59
3H13,TYR_479,9.98,0,-0.13,0.11
3EIZ,ASP_157,3.27,-0.61,-0.24,0.33
1NRI,GLU_109,4.77,0.27,0,0
1Q2Y,GLU_34,6.32,1.82,0,0.01
1SQW,TYR_88,9.88,-0.85,0.14,0.59
1J7G,LYS_16,10.48,-0.08,0,0.07
1MUF,LYS_111,10.72,-0.14,0,0.35
3ODJ,TYR_102,10.16,0.05,0.11
3P28,ASP_168,3.05,-0.99,-0.81,1.05
3LOE,GLU_488,4.42,0.84,-0.81,-0.11
1YLN,LYS_197,10.5,-0.1,0,0.1
2P5D,LYS_43,10.66,-0.92,0.53,0.55
1PGV,ARG_283,12.3,-0.28,0,0.09
3MI1,ASP_126,4.73,0.28,0,-0.05
2B78,TYR_278,10.16,0,-0.06,0.23
4AM1,LYS_151,10.77,-0.34,0.4,0.21
2I88,ASP_446,4.71,-0.14,0.07,0.98
1MIX,LYS_300,12.11,-0.66,1.56,0.7
3ONH,GLU_546,4.58,0.09,0,-0.01
3AUF,ASP_161,1.9,-2.28,-0.39,0.77
2G3A,GLU_86,2.52,1.15,-2.34,-0.78
1VJG,ARG_54,12.65,-0.27,0.08,0.33
2VGM,CYS_134,10.03,-0.13,-0.2,1.37
1OST,ASP_148,3.45,-0.54,-0.34,0.53
3IRA,GLU_143,4.68,0.22,0,-0.03
3ANJ,ARG_108,13.03,-0.25,0.49,0.3
3GS9,GLU_177,2.75,1.02,-2.24,-0.53
3V55,LYS_523,11.45,-0.33,0.79,0.5
2B02,GLU_362,3.82,0.41,-0.85,-0.23
3IVF,GLU_293,4.68,1.32,-0.63,-0.51
2IRM,HIS_346,6.42,-0.08,0,0
2ILR,TYR_489,12.01,0,0.23,1.78
1DZF,LYS_43,10.5,-0.33,0,0.33
4ANN,GLU_105,5.68,1.26,-0.02,-0.04
1NKD,ASP_34,3.48,-0.58,0,0.26
2D8N,LYS_37,10.09,-0.42,0,0.01
1UOH,LYS_221,10.67,-0.14,0,0.31
1NAF,GLU_230,4.63,0.17,0,-0.04
3M9A,LYS_54,10.42,-0.24,0,0.16
1PVT,LYS_86,10.6,-0.11,0,0.2
1QQL,ARG_18,12.56,-0.31,0.02,0.35
1OI7,LYS_57,10.34,-0.22,0,0.06
3CN5,ARG_112,12.53,-0.09,0,0.12
3ETU,HIS_355,6.4,-0.1,0,0
2A1V,ASP_31,2.72,-1.56,-0.04,0.51
2XJ4,LYS_208,10.23,-0.26,0,-0.01
1X1E,ARG_12,11.63,-1.03,0,0.17
3DB9,ARG_60,12.1,-0.35,0,-0.04
2P1V,HIS_174,6.65,-0.6,0.72,0.03
1ZBM,GLU_32,4.49,0.31,0,-0.32
1UOH,ASP_29,3.2,-0.69,-0.3,0.39
1YG2,GLU_170,4.76,0.18,0,0.07
3P51,ASP_77,2.32,-2.45,-0.31,1.28
3ONT,GLU_28,4.68,0.41,0,-0.22
1SJB,ARG_634,10.61,-2.16,0,0.27
1R3D,HIS_244,4.29,-2.19,0,-0.02
3CJW,HIS_265,6.51,-0.3,0.14,0.17
1EYH,LYS_23,11.6,-0.4,0.7,0.8
4ACJ,LYS_671,11.29,-0.44,0.76,0.46
3T5B,CYS_246,10.65,-0.28,0.11,1.82
2G9D,ARG_315,12.62,-0.12,0,0.24
4GA2,GLU_38,3.54,0.34,-0.8,-0.49
2P0Y,CYS_217,9.94,0,-0.01,0.95
3F6F,GLU_65,4.83,0.56,0,-0.23
2GYZ,ASP_91,3.93,-0.01,-0.04,0.17
1MJS,ARG_294,12.17,-0.69,0,0.36
3ULX,ARG_68,12.43,-0.16,0,0.09
3IBT,ASP_18,3.54,-0.36,-0.19,0.29
1ZYL,LYS_158,10.36,-0.16,0,0.02
1JSX,TYR_162,11.29,-0.85,-0.25,2.39
2FL7,TYR_175,10.55,-0.06,-0.15,0.76
2Q12,CYS_183,9.27,0,0.05,0.23
4FH3,LYS_56,10.19,-0.45,0,0.13
1I60,TYR_158,10.58,-0.8,0.01,1.36
1WXQ,GLU_307,5.56,1.2,0,-0.14
3I82,TYR_176,10.06,-0.38,0,0.45
1GQE,GLU_170,4.91,0.19,0,0.23
1D2K,ASP_419,3.13,-0.71,-0.3,0.34
3EVN,ARG_167,13.48,-0.82,1.38,0.43
1WP5,ARG_231,12.11,-0.5,0,0.11
3U2R,ASP_115,2.96,-0.85,-0.39,0.41
1MN3,LYS_403,10.61,-0.19,0,0.31
3QKY,ARG_259,12.22,-0.28,0.2,2.78E-17
2AH5,LYS_78,10.56,-0.22,0,0.28
3I82,HIS_33,6.35,-0.39,0.02,0.22
2X5Y,LYS_775,11.26,-0.49,0.85,0.4
2HXB,GLU_39,4.07,0.29,-0.34,-0.38
2V5B,HIS_36,5.87,-1.14,0.01,0.5
3A4C,ASP_540,3.29,-0.68,-0.12,0.29
3OBS,ASP_78,2.6,-1.32,-0.44,0.56
2CN1,GLU_126,4.44,0.43,-0.25,-0.23
1MTZ,GLU_84,3.26,0.82,-1.67,-0.39
1SNT,ASP_80,3.83,0,-0.09,0.13
3CAN,ARG_89,12.37,-0.34,0,0.21
2D59,GLU_143,4.56,0.06,0,0
3US6,LYS_73,10.4,-0.39,0,0.28
3CAX,ARG_469,12.57,-0.08,0.15,0
3EYE,ASP_127,3.87,0,-0.1,0.16
3CAX,LYS_287,10.24,-0.29,0,0.02
1RHS,ARG_131,12.38,-0.4,0.0,0.28
2BLL,HIS_330,4.63,-2.62,0.85,-0.1
2OPJ,ARG_171,12.95,-0.33,0.19,0.6
3EX9,ARG_34,12.21,-0.29,0,0
4FH3,ARG_166,12.26,-0.55,0,0.32
1OXZ,HIS_186,6.34,-0.16,0,0
1DVO,ASP_91,3.54,-0.15,-0.33,0.22
1TUL,CYS_160,10.49,0.1,1.39
1OIS,ARG_337,13.99,-0.51,1.5,0.5
2XMZ,GLU_112,8.97,5.29,-0.89,0.07
3QKY,GLU_181,4.66,0.16,0,0
1R7J,ARG_25,12.21,-0.29,0,0.01
3ZSL,LYS_196,10.99,-0.21,0.42,0.28
3ASA,CYS_170,12.82,-1.41,1.49,3.74
2Q99,TYR_251,10.52,-0.29,0.27,0.53
3JV1,GLU_217,4.85,0.28,0,0.06
3EZ7,TYR_69,12.38,0.29,0.51,1.57
2FXT,GLU_287,4.47,0.13,0,-0.15
1UAJ,GLU_101,4.33,0.38,-0.29,-0.26
2BDV,GLU_122,6.57,-0.74,0.82,-0.02
2FL7,ASP_170,3.44,-0.83,-0.01,0.48
1R53,CYS_18,8.59,-1.28,0.31,0.57
2CBE,ASP_32,3.31,-1.65,-0.15,1.3
2R4Q,GLU_202,4.37,0.16,0,-0.28
1T3J,GLU_692,4.75,0.21,0,0.05
2RJD,CYS_278,8.53,-0.94,0.07,0.41
3B21,HIS_191,5.49,-0.96,0,-0.05
2QVO,GLU_65,4.94,0.23,0,0.22
2FGG,LYS_27,10.13,-0.21,0,-0.16
1SQW,ASP_42,3.81,0,-0.25,0.25

1X9G,GLU_50,3.67,0.41,-1.15,-0.09
1AD6,ASP_394,2.65,-1.01,-0.84,0.69
3CX2,LYS_193,9.51,-0.97,0,-0.02
2EFK,LYS_273,10.35,-0.15,0,0
3EVE,LYS_75,10.31,-0.19,0,0
3BB7,ASP_200,3.5,-0.83,-0.01,0.54
1PZC,LYS_46,10.71,-0.11,0,0.32
1RSQ,ARG_19,13.21,-0.47,0.85,0.34
3C6B,CYS_183,13.06,0,0.02,4.04
1SIG,LYS_329,10.43,-0.14,0,0.07
3E0H,ASP_137,1.69,-2.33,-0.38,0.61
157K,LYS_53,10.44,-0.06,0,0
3FRR,CYS_76,12.57,-0.03,0.14,3.47
3PAC,CYS_38,9.22,-0.4,-0.17,0.8
1ZBM,ASP_137,3.15,-0.86,-0.32,0.53
3OOP,ARG_74,12.36,-0.23,0,0.1
3IBT,ARG_190,12.87,-0.35,0.3,0.42
3L7N,HIS_179,9.15,-3.13,2.45,3.32
3OBS,LYS_118,10.43,-0.15,0,0.07
1X7F,GLU_167,4.77,0.33,0,-0.06
3EUR,LYS_119,10.53,-0.09,0,0.12
3IU5,GLU_52,4.63,0.25,0,-0.12
3KB5,TYR_416,10.75,-0.62,0.55,0.81
3I0C,ARG_282,12.74,-0.36,0.32,0.27
1LZL,ARG_119,13.94,-1.02,1.44,1.02
3L3P,ASP_295,4.0,-0.03,0.24
1R9W,TYR_288,12.72,0,0.01,2.72
1OGL,GLU_89,7.29,3.86,-0.83,-0.23
3ASA,ASP_124,4.61,0,-0.13,0.94
2OEW,ARG_205,12.56,-0.34,0,0.4
3VJ8,CYS_258,13.31,0,0.27,4.04
1SJV,ARG_86,12.31,-0.28,0,0.09
1R29,LYS_47,9.91,-0.85,0,0.27
2RJD,CYS_423,8.41,-1.08,0.12,0.37
3ASA,ASP_165,3,-1.61,-0.53,1.33
1SQW,CYS_36,10.55,-0.02,-0.4,1.97
3GE9,ARG_182,13.04,-0.37,0,0.92
3FK5,ARG_313,12.25,-0.25,0,0
3CBN,GLU_98,4.27,0.48,-0.05,-0.67
1I60,HIS_177,4.7,-3.26,0,1.45
3PP8,ARG_56,12.46,-0.12,0,0.07
3K1H,GLU_84,4.54,0.29,0,-0.25
3BCY,GLU_61,4.77,0.66,0,-0.4
2ROS,GLU_170,4.65,0.33,0,-0.17
2XWS,ARG_46,11.81,-0.53,0,-0.17
2Z61,ARG_5,12.42,-0.2,0,0.11
1DVO,TYR_67,10.39,0,0.39
2CI3,GLU_109,4.22,0.35,-0.35,-0.27
2H01,LYS_81,10.25,-0.25,0,0
2A4D,ARG_199,11.64,-1.08,0,0.23
2CWC,ARG_194,12.32,-0.3,0,0.12
1PSW,LYS_207,10.36,-0.37,0,0.23
2Z61,GLU_25,3.7,0.36,-0.76,-0.4
2RH3,ARG_167,12.07,-0.61,0,0.17
1MHN,CYS_107,10.27,0.45,0.48,0.35
1ZBS,TYR_213,10.11,-0.45,0.01,0.55
2PGX,GLU_43,3.46,1.14,-1.57,-0.6
3N2T,ARG_171,13.31,-0.55,0.63,0.74
3L3P,GLU_335,5.07,0.22,0,0.35
3LD1,HIS_29,6.16,-0.69,0,0.35
1TXJ,ASP_142,4.14,0,0.1,0.24
2AHE,ASP_65,3.64,-0.49,-0.01,0.34
2X4L,LYS_346,10.41,-0.09,0,0
3T5B,ARG_187,12.71,-0.35,0,0.56
3FFM,ASP_71,3.64,-0.52,-0.05,0.41
3JSN,GLU_140,3.28,0.57,-1.06,-0.73
2F9F,LYS_157,10.06,-0.48,0,0.05
2A4D,LYS_148,10.42,-0.08,0,0
1OTM,ARG_224,12.46,-0.09,0,0.05
2CIU,LYS_164,10.47,-0.04,0,0
1DUN,LYS_61,10.37,-0.13,0,0
3UV9,LYS_362,10.65,-0.13,0,0.28
2VAN,TYR_266,11.1,0,0.08,1.02
2VGM,LYS_200,11.13,-0.63,0.85,0.41
3MEW,GLU_179,4.81,0.43,0,-0.12
1BKB,GLU_124,4.04,0.6,-0.78,-0.27
1RHS,GLU_148,3.94,0.46,-0.71,-0.3
1MTZ,HIS_121,5.89,-0.7,0,0.09
3F1X,GLU_286,4.4,0.18,-0.22,-0.06
3CRM,LYS_89,10.12,-0.12,0,-0.26
2P0Y,ARG_250,12.18,-0.75,0.18,0.25
3SMD,GLU_34,4.21,0.45,-0.83,0.09
3B4D,CYS_205,9.75,0,0.15,0.6
2QK1,LYS_404,10.42,-0.55,0,0.47
2RGY,ASP_159,2.22,-2.19,-0.76,1.36
3GW3,LYS_290,10.51,-0.09,0,0.1
3M70,CYS_129,13.58,-0.31,1.75,3.15
1I60,TYR_30,11.01,0,0.32,0.69
2GKG,ASP_87,3.96,0,0,0.16
1L2H,LYS_65,10.37,-0.14,0,0.01
1RZ2,GLU_113,4.18,0.3,-0.46,-0.16
2OGQ,LYS_413,9.53,-0.87,0,-0.09
1X7F,LYS_60,10.58,-0.19,0,0.26
3H8Y,GLU_13,4.55,0.45,-0.39,-0.02
3PBH,ARG_3,12.14,-0.36,0,0
4ETX,ARG_291,12.36,-0.14,0,0
3JSN,TYR_20,9.44,-0.69,-0.45,0.58
1RZ2,GLU_60,4.59,0.25,0,-0.15
2XJ4,GLU_192,3.6,0.31,-0.82,-0.39
1PSW,ARG_113,10.61,-1.94,0,0.05
4DBX,LYS_121,10.31,-0.25,0,0.05
3BQW,CYS_241,11.63,0,0.02,2.62
2VAN,ASP_91,3.01,-0.85,0,0.06
2AH5,GLU_204,3.2,0.51,-1.42,-0.163
3LJI,HIS_102,6.1,-0.86,0,0.44
1J85,ARG_121,12.34,-0.29,0,0.13
1BKR,ASP_91,2.55,-1.57,-0.05,0.36
2O0K,ASP_325,3.6,-0.48,0,0.29
3GW3,LYS_322,11.44,-0.3,0.85,0.39
2OGQ,ARG_518,12.46,-0.04,0,0
4ACJ,TYR_661,10.39,0,0.27,0.13
1KCM,GLU_49,4.73,0.19,0,0.04
1DCF,LYS_9,10.47,-0.41,0,0.39
1O5J,TYR_66,10.36,-0.85,0.26,0.95
3H6Q,TYR_91,11.08,0,0.33,0.75
2IDC,ASP_58,3.51,-0.74,0,0.45
1J33,HIS_285,6.1,-0.58,0,0.18
3IVF,ARG_297,13.07,-0.57,0.63,0.52
3ZXY,GLU_234,4.16,0.71,-0.52,-0.54
2OGQ,CYS_573,9.19,-1.48,0.15,1.53
1V43,TYR_139,10.22,0,0.03,0.19
3I4T,ASP_27,3.69,-0.27,-0.2,0.35
2AZP,HIS_42,5.8,-0.63,0,-0.07
2HRZ,TYR_5,10.17,0,0,0.17
2Q13,LYS_124,10.35,-0.15,0,0
3H13,ASP_409,2.13,-1.99,-0.25,0.58
3MIX,GLU_489,4.76,1.58,-0.98,-0.33
3CZC,GLU_89,4.43,0.31,0,-0.38
2Z61,LYS_365,10.74,-0.2,0,0.44
1L2F,LYS_29,10.39,-0.17,0,0.06
1NJ4,ASP_284,3.37,-0.8,0,0.37
3OIP,ARG_83,12.39,-0.14,0,0.04
2V5B,ARG_242,3.76,0.55,-0.82,-0.48
2OKT,ARG_189,12.41,-0.11,0,0.02
3CGW,GLU_250,4.97,0.32,0,0.15
1GPP,LYS_112,10.06,-0.36,0,-0.08
1RHS,CYS_63,12.16,0,-0.08,3.23
1QYI,ARG_280,12.16,-0.34,0,0
3PU6,GLU_45,4.26,0.9,-0.81,-0.32
1Z9L,LYS_110,10.92,-0.2,0.34,0.28
1YR6,GLU_173,4.57,0.09,0,-0.03
1J33,ARG_284,12.49,-0.23,0,0.23
2P0Y,HIS_286,7.17,-0.77,0.85,0.58
1MIX,TYR_308,10.21,-0.3,-0.32,0.84
2CI3,GLU_106,4.62,0.22,0,-0.1
4ANN,GLU_120,5.33,2.87,-1.68,-0.36
3OKQ,ARG_594,13.07,-0.16,0.45,0.28
2CXA,ASP_105,3.97,0,-0.05,0.22
2H2Z,CYS_265,12.06,0,-0.03,3.08
2X4L,LYS_162,10.5,-0.09,0,0.09
2IRM,GLU_28,4.9,0.98,0,-0.58
1W7B,LYS_324,10.38,-0.13,0,0.01
2EJX,ARG_86,12.49,-0.53,0,0.53
3AUF,GLU_120,3.8,0.26,-0.54,-0.41
3LPZ,LYS_215,10.64,-0.09,0,0.23
3RJX,GLU_293,4.54,0.16,0,-0.12
2OBS,TYR_3,10.04,0,0,0.04
2OGQ,GLU_391,4.35,0.23,0,-0.39
3E7P,LYS_48,10.45,-0.05,0,0
1RS3,ASP_38,2.8,-1.6,-0.43,1.04
1PBV,ARG_118,12.5,-0.06,0,0.06
4GA2,TYR_31,9.93,0,-0.22,0.15
3RE9,GLU_113,3.65,0.68,-0.78,-0.75
1ZYL,GLU_257,4.92,0.13,0,0.29
3U0V,GLU_188,4.2,0.56,-0.42,-0.45
3M3P,ASP_167,3.98,0,-0.4,0.58
4ECC,GLU_26,3.85,0.63,-0.85,-0.43
3ZSL,LYS_176,10.3,-0.31,0,0.1
2A6B,CYS_68,12.35,0,0.04,3.31
2QDJ,GLU_119,4.07,1.22,-1.22,-0.43
3H5T,GLU_211,4.66,0.1,0,0.05
1OXZ,ARG_255,12.8,-0.41,0.34,0.38
2P1W,GLU_241,3.94,0.55,-0.78,-0.32
2H85,HIS_-1,5.94,-0.14,0,-0.42
4EZB,ASP_214,2.95,-1.14,-0.12,0.42
3TMO,ARG_208,12.64,-0.26,0,0.41
2AH5,GLU_135,4.83,0.32,0,0.01
3A4C,ARG_547,12.23,-0.36,0,0.08
1SFC,ARG_171,12.24,-0.26,0,0
3RE9,GLU_204,4.94,0.27,0,0.17
1EV8,HIS_207,6.65,-1.32,0.77,0.7
2QV2,HIS_273,5.94,-2.09,0.94,0.57
3CAX,GLU_467,4.48,0.12,-0.15,0
2ZOM,TYR_267,10.44,0,0.17,0.27
3I0C,HIS_219,6.4,-1.78,0.85,0.84
1J85,ARG_59,11.74,-0.91,0,0.15
2OSA,GLU_365,3.94,0.38,-0.53,-0.41
1LTU,ASP_279,4.04,0,0.06,0.18
3RJX,LYS_101,11.52,-0.21,0.85,0.38
4DNU,LYS_123,10.12,-0.54,0,0.15
3ETU,TYR_124,10.35,-0.41,0.13,0.62
2CBE,TYR_191,12.11,0,0.08,2.03
3I4T,TYR_230,11.55,0,0.1,1.46
4ACJ,ASP_685,3.9,0,0,0.1
2FL4,HIS_4.7,2.9,-0.17,0.96,0
3I0U,LYS_103,10.32,-0.18,0,0
3MEW,ASP_160,4.17,-0.77,-0.16,1.3
3QKY,GLU_137,4.63,0.19,0,-0.07
1ZBS,ASP_37,3.33,-0.82,-0.06,0.42
1P2F,ARG_69,12.38,-0.24,0,0.13
3CAX,LYS_263,10.25,-0.25,0,0
3BA1,GLU_164,4.1,0.45,-0.85,0
1ZBM,TYR_212,9.34,-0.79,-0.37,0.5
3F5D,ARG_29,13.03,-0.53,0.51,0.55
3LJC,ARG_33,12.44,-0.7,0.23,0.42
3MEW,CYS_145,11.28,0,0.26,2.02
3H6Q,TYR_146,12.86,0.56,0.67,1.64
3F6F,LYS_120,10.3,-0.3,0,0.1
1KN3,ASP_128,3.72,0,-0.3,0.22
3F1X,HIS_71,6.43,-0.35,0.27,0
4DBX,GLU_268,5.56,0.97,0,0.09
3GW3,HIS_220,4.04,-2.05,0,-0.42
3HUE,TYR_60,11.65,-0.75,0.29,2.11
1SUU,LYS_567,10.73,-0.27,0,0.5
2X4L,GLU_222,3.97,0.48,-0.79,-0.22
3CBN,ARG_131,12.5,-0.4,0.13,0.27
3EJG,ASP_27,3.88,0,-0.12,0.21
2CWY,CYS_74,9.65,-0.41,0.21,0.84
1X04,LYS_138,9.69,-0.42,0,-0.39
3ULX,TYR_71,12.67,-0.05,-0.04,2.76
4EVF,GLU_245,6.14,0.89,0,0.76
3QKY,TYR_183,10.98,0,0.55,0.42
3CAX,ASP_372,4.12,0,0.06,0.26
3WV3,ARG_248,10.79,-1.71,0,0
2PLQ,TYR_305,11.93,0.85,0.44,0.63
1KN3,CYS_133,10.54,-0.39,0.28,1.65
2VGM,LYS_68,10.58,-0.2,0,0.28
3F5D,ASP_16,2.49,-2.05,0,0.74
1SNT,ARG_152,12.45,-0.14,0,0.08
1R53,TYR_208,10.42,-0.16,0.22,0.36
1V6T,TYR_27,9.61,-0.69,-0.05,0.34
2PGX,GLU_8,3.22,0.48,-1.38,-0.38
3UC9,GLU_70,4.88,0.26,0,0.12
1A8Q,ASP_78,3.46,-1.48,-0.37,1.51
3GE9,GLU_124,4.91,0.26,0,0.15
3RLN,TYR_248,11.39,0.03,0.31,1.05
3CNU,LYS_46,11.37,-0.24,0.51,0.6
1SBX,ARG_120,12.19,-0.58,0,0.27
3C2E,GLU_67,4.55,0.13,0,-0.08
3ONH,ASP_490,4.2,0,0.22,0.18
1RHS,GLU_49,4.43,0.22,0,-0.3
2Z61,LYS_294,10.25,-0.11,0,-0.15
3GS9,HIS_116,6.31,-1.11,0.8,0.12
1OTM,TYR_214,10.66,0.23,0.42
3VJ8,LYS_335,10.69,-0.27,0,0.46
1YLN,ASP_31,3.36,-0.72,0,0.28
2E3H,ARG_229,12.82,-0.49,0.34,0.47
3P2F,HIS_85,6.22,-0.32,0.04,0
1W24,LYS_24,10.34,-0.08,0,-0.08
1DTO,GLU_185,4.67,0.28,0,-0.11
4ACJ,HIS_774,7.33,-0.38,0.83,0.38
4EUG,TYR_110,12.32,0.83,0.45,1.04
1OXZ,LYS_183,10.39,-0.11,0,0
4FH3,ASP_296,3,-1.04,-0.16,0.41
1AD6,LYS_447,10.79,-0.25,0.32,0.22
2I88,ASP_376,4.38,-0.06,-0.26,0.91
1PDB,LYS_157,10.39,-0.11,0,0
2QK0,CYS_84,10.51,0,0.09,1.42
1W7B,TYR_318,11.23,0.22,0.55,0.46
2CBE,ASP_162,3.52,-0.41,-0.23,0.37
4FLE,CYS_163,11.15,0,0.07,2.08
2E3I,GLU_94,4.69,0.15,0,0.04
3R2E,GLU_21,4.21,0.6,-0.52,-0.37
2EHG,TYR_88,9.48,-0.51,-0.29,0.28
2INO,GLU_424,4.67,0.32,0,-0.15
1PZC,LYS_59,10.69,-0.14,0,0.34
3PP8,ARG_29,13.3,-1,1.07,0.73
3UAH,LYS_343,10.33,-0.17,0,0
4GA2,LYS_28,10.43,-0.27,0,0.2
1AD6,ASP_527,2.21,-1.56,-0.78,0.75
3OKQ,ASP_571,3.99,0,0,0.19
1OXZ,ARG_299,13.04,-0.25,0.27,0.53
2C2Y,ARG_143,12.84,-1.94,1.29,1
2D8N,TYR_109,12.97,0,-0.07,3.04
3HVW,ASP_312,4.58,0,-0.12,0.9
1Y2Q,HIS_83,6.22,-0.27,0,-0.01

31DW,ARG_56,12.91,-0.26,0.32,0.36
3V46,ARG_337,12.56,-0.41,0,0.47
1160,HIS_26,6.38,-0.88,0.85,-0.09
2C13,LYS_229,9.89,-0.31,0,-0.31
2X5Y,LYS_770,10.97,-0.29,0.37,0.4
1WYC,ASP_368,3.22,-0.82,-0.12,0.36
4DNU,TYR_246,12.18,0.8,0.43,0.95
3TIR,ARG_27,12.51,-0.06,0,0.07
1TR9,ARG_70,12.5,-1.13,0.37,0.76
2Q12,GLU_198,4.76,0.27,0,-0.01
1KCM,LYS_186,10.47,-0.03,0,0
2Z14,ASP_12,3.27,-0.61,-0.21,0.29
2NSN,CYS_61,9.44,0,-0.2,0.63
3AU3,LYS_435,10.62,-0.17,0.29,0
3EZ7,CYS_305,10.1,0,0.05,1.06
2P65,LYS_66,11.41,-0.41,0.83,0.49
1XEU,ASP_67,3.25,-0.29,0.37,0.4
3ELI,ASP_88,3.32,-0.76,-0.02,0.29
3E5T,CYS_114,9.68,0,-0.04,0.72
3LJI,GLU_204,4.31,0.64,-0.83,0
3LH5,HIS_767,3.7,-1.91,0,-0.89
2RJD,ARG_269,13.32,-0.59,0.65,0.77
3JZN,CYS_150,12.38,0,-0.17,3.55
3A2Z,TYR_38,13.23,-0.18,0.56,2.84
2ILR,GLU_459,3.96,0.54,-0.6,-0.48
3LQE,CYS_288,11.2,0,-0.63,2.83
1BYI,GLU_89,4.3,0.77,-0.75,-0.22
3T5B,TYR_196,9.2,-0.85,-0.49,0.54
4F3J,ASP_235,3.46,-0.27,-0.6,0.54
2DVK,ASP_175,3.76,-0.07,-0.63,0.65
3U2R,GLU_16,4.13,0.19,-0.57,0.01
2IQT,GLU_128,3.64,0.28,-0.85,-0.3
1LZL,HIS_210,5.41,-1.62,0.39,0.15
3RE9,HIS_138,4.44,-3.26,0.98,0.22
1P4X,HIS_6,5.92,-0.24,0,-0.35
3GEC,CYS_455,9.82,0,0.13,0.68
1PNE,ARG_55,12.94,-1.52,1.4,0.56
2VGM,TYR_104,9.88,-0.29,-0.3,0.46
1F2V,ARG_104,13.14,-0.25,0.51,0.38
31DW,TYR_3,11.3,0,0.45,0.85
3M3P,CYS_188,10.7,-0.01,-0.04,1.75
2BDV,GLU_140,4.77,0.11,0,0.16
2A1V,GLU_19,4.26,0.72,-0.66,-0.31
1ZCU,GLU_117,4.44,0.17,0,-0.24
1LTU,HIS_110,5.64,-1.71,0.84,4.16E-17
3GG6,GLU_82,2.83,1.1,-2.34,-0.44
1UXO,TYR_184,13.04,0,0.17,2.87
2D0A,ARG_224,13.05,-0.52,0.4,0.67
1X7F,LYS_316,10.32,-0.21,0,0.03
2NRK,LYS_166,10.1,-0.19,0,-0.2
2CIU,LYS_120,10.5,0,0,0
1W7B,LYS_246,11.5,-0.46,0.85,0.61
1EDG,ASP_278,3.28,-0.8,-0.15,0.43
2Q34,GLU_256,4.72,0.5,0,-0.28
200K,ARG_114,13.55,-0.42,1.05,0.43
2OGQ,ASP_449,2.86,-1.55,0.05,0.56
2IRM,HIS_292,5.56,-1.07,0,0.14
2OJQ,CYS_691,10.98,-0.07,-0.02,2.08
2QHT,LYS_145,10.46,-0.21,0,0.17
2IXM,ASP_95,3.9,-0.03,0,0.12
3N2T,GLU_122,4.54,0.08,0,-0.04
2B61,ASP_345,4.12,0,0.14,0.18
2X5Y,TYR_826,11.95,0,0.66,1.3
1QZN,LYS_122,10.68,-0.22,0,0.41
3V75,GLU_186,3.52,1.06,-1.6,-0.43
1YR6,ASP_186,4.05,0,0,0.25
3RFF,ASP_46,3.11,-1.03,-0.1,0.43
1Y62,LYS_145,10.45,-0.05,0,0
3IU5,TYR_127,11.31,0,0.55,0.77
4AM1,LYS_118,10.52,-0.22,0,0.25
3HUE,LYS_206,10.52,-0.17,0,0.18
3ULX,ARG_78,13.6,-0.19,0.73,0.56
4ACJ,HIS_672,5.7,-0.67,0.05,-0.18
4FCU,GLU_250,3.97,0.22,-0.72,-0.03
1YM5,LYS_63,11.08,-0.18,0.12,0.63
2CBE,GLU_26,4.5,0.24,0,-0.24
2VGM,LYS_348,10.21,-0.38,0,0.09
4GCO,ASP_236,4.29,0,-0.29,0.77
2JHY,HIS_189,6.09,-1.71,0.75,0.55
4AM1,GLU_252,3.58,0.34,-0.85,-0.4
3RUX,LYS_183,10.41,-0.25,0,0.16
1T95,LYS_157,10.32,-0.35,0,0.17
3ASA,ARG_136,12.15,-0.58,0,0.23
3VHJ,ARG_52,11.49,-1.09,0,0.08
3CE7,GLU_36,4.01,0.47,-0.79,-0.17
2X5Y,ASP_813,11.27,-0.24,0.39,0.62
3G9T,ARG_236,12.27,-0.4,0,0.17
1SIG,ASP_233,3.98,0,-0.22,0.4
1Z3X,LYS_131,10.45,-0.05,0,0
1CHD,GLU_306,4.64,0.15,0,0
4F85,ASP_246,3.7,0,-0.53,0.44
1TUE,GLU_176,2.93,0.94,-1.7,-0.81
1LZL,GLU_64,3.96,0.16,-0.38,-0.32
4EVF,TYR_30,11.03,0.38,0.64
2IXM,GLU_301,3.74,0.62,-0.85,-0.53
1YTD,ARG_329,11.96,-2.25,0.66,1.06
3ETU,GLU_353,4.57,0.23,0,-0.16
1SUU,LYS_708,10.83,-0.35,0.15,0.52
3BA1,LYS_224,10.39,-0.11,0,0
1WXF,LYS_207,11.68,-0.29,0.84,0.63
3KT9,ARG_13,13.38,-0.29,0.76,0.41
2CXC,ARG_28,13.43,-0.7,0.88,0.73
1PGV,LYS_251,9.89,-0.77,0,0.17
3BCY,CYS_142,11.5,-0.12,-0.02,2.64
1SQH,CYS_215,9.98,-0.22,-0.14,1.35
3P2F,GLU_90,4.1,0.19,-0.58,-0.01
3Q9P,LYS_123,10.73,-0.22,0,0.46
2ZQ5,HIS_192,6.6,-1.33,0.85,0.58
4D8L,TYR_21,12.2,0,0.01,2.19
3IL3,GLU_167,4.9,1.21,-0.1,-0.71
3FNI,ASP_40,2.78,-1.83,0,0.81
2QHT,ARG_196,12.83,-0.48,0.01,0.8
3O48,GLU_128,4.85,0.29,0,0.06
1QZN,TYR_43,12.24,0,0.15,2.09
1ZHV,CYS_48,10.53,0,0.31,1.84
1C44,LYS_40,10.85,-0.41,0.44,0.32
3V4G,ASP_129,3.54,-0.64,-0.24,0.61
4AF2,TYR_159,13.64,0.79,0.49,2.36
3H5T,ARG_252,12.59,-0.32,0.03,0.38
3ETV,ASP_199,3.99,0,0,0.19
3E5T,LYS_181,11.17,-0.65,0.85,0.48
1UAJ,ASP_128,3.7,-0.84,-0.26,1.01
2F4Q,ARG_239,10.49,-2.51,0.52,-0.01
1ZCU,LYS_48,10.58,-0.14,0,0.22
3RAZ,ASP_76,4.05,-0.75,-0.11,1.11
4GA2,ARG_113,13.59,-0.57,0.93,0.73
3AJL,ASP_21,2.28,-1.82,-0.12,0.42
3LJI,GLU_282,3.09,0.48,-1.23,-0.65
2OPJ,TYR_154,13.64,-0.08,0.16,3.57
2HRZ,ARG_226,12.53,-0.72,0.06,0.69
2GAU,ARG_26,12.28,-0.48,0,0.26
2CL3,ARG_90,12.42,-0.24,0,0.16
2PGX,HIS_66,6.24,-0.26,0,0
2Q13,ARG_121,13.7,-0.43,1.14,0.5
1JSX,LYS_113,10.47,-0.07,0,0.04
1SUU,HIS_556,6.29,-0.21,0,0
3EZ7,ASP_340,3.73,0,-0.29,0.23
1KN3,ARG_132,12.44,-0.06,0,0
2Z14,ASP_79,4.2,0,0.11,0.29
1RH5,LYS_23,10.39,-0.15,0,0.03
3LH5,ARG_579,12.56,-0.62,0.08,0.6
4H4J,LYS_78,10.32,-0.12,0,-0.06
3CIV,ARG_99,12.7,-0.31,0.18,0.32
4DBX,LYS_99,10.2,-0.1,0,-0.21
2A0J,GLU_112,4.57,0.26,0,-0.19
3ZTA,ASP_39,3.69,-0.49,-0.73,1.11
3E5T,GLU_91,4.66,0.48,-0.12,-0.2
4FH3,ARG_198,12.27,-0.44,0,0.21
2HXB,TYR_72,10.5,0.04,0.46
2F4Q,LYS_264,10.42,-0.15,0,0.07
2Y2T,TYR_17,10.48,0,0.12,0.36
3LJC,ASP_161,4.18,-0.31,-0.2,0.88
4AM1,ARG_126,8.17,-2.19,0,-2.14
2ZQ5,TYR_82,10.43,0,0.08,0.35
1MIX,ASP_230,13.1,-0.37,0.5,0.47
3M16,TYR_193,11.08,0,0.48,0.6
2ZTY,GLU_53,4.64,0.14,0,0
1J33,GLU_27,3.41,1.03,-1.59,-0.53
1WLY,HIS_138,5.14,-1.91,0.75,-0.2
3EZ7,GLU_63,4.36,0.39,0,-0.52
216I,GLU_88,4.53,0.21,0,-0.18
2AZL,TYR_151,10.24,0,-0.15,0.4
2VAN,LYS_209,10.55,-0.12,0,0.17
1XFK,TYR_289,9.83,-0.47,-0.38,0.68
1JB3,LYS_62,11.09,-0.45,0.81,0.24
2B0J,HIS_174,2.46,-3.26,0,-0.78
1Q8B,GLU_39,2.64,1.24,-2.28,-0.83
2XHC,ARG_209,12.41,-1.21,0.29,0.83
1SNT,ASP_215,3.37,-0.85,-0.56,0.98
1IAP,GLU_141,5.01,0.37,0,0.14
1AM2,LYS_92,11.24,-1.03,0.85,0.91
1QQH,GLU_171,3.84,0.94,-1.2,-0.41
1YLN,ARG_57,12.51,-0.25,0,0.25
2POL,ARG_250,12.44,-0.53,0.02,0.45
3CNU,GLU_94,3.39,0.3,-0.74,-0.66
2R2Y,GLU_126,4.73,0.25,0,-0.02
2CBE,LYS_39,10.29,-0.14,0,-0.08
3CAX,TYR_145,10.37,0,0.1,0.27
1SQW,ARG_30,13.78,-0.39,0.76,0.92
2H2W,HIS_75,5.58,-0.66,0,-0.26
2E3C,ARG_409,12.57,-0.09,0,0.16
1OIS,GLU_329,4.52,0.16,0,-0.14
3V55,ASP_638,3.93,0,-0.17,0.3
2E3S,ASP_440,4.06,0,0,0.26
3AU3,ARG_463,12.32,-0.46,0.0,0.28
1XTZ,LYS_258,10.38,-0.15,0,0.03
1R7J,LYS_6,10.54,-0.15,0,0.18
1QVI,CYS_34,10.74,0.34,0.71,0.69
4ANN,LYS_37,11.22,-0.63,0.85,0.49
3G59,CYS_51,8.69,-0.44,0.04,0.09
1SJJ,ARG_73,12.89,-0.21,0.13,0.47
1Q8B,LYS_82,11.03,-0.17,0.32,0.38
1Y2Q,LYS_31,11.2,-0.26,0.47,0.49
3I0C,GLU_247,2.7,1.59,-2.81,-0.59
2X5Y,HIS_810,5.98,-1.69,0.84,0.32
3ANJ,LYS_329,11.07,-0.7,0.85,0.42
2B6P,TYR_178,10.26,0,0.26
4DBX,TYR_189,11.26,-0.51,0.33,1.44
2ZTY,GLU_94,4.39,0.99,-0.75,-0.35
3O16,GLU_227,5.07,0.49,0,0.08
2AXO,ARG_132,12.47,-0.1,0,0.07
2FKT,ASP_411,2.27,-1.49,-0.59,0.54
2QK1,GLU_555,4.47,0.18,0,-0.21
2G3A,GLU_88,3.37,0.36,-0.77,-0.73
3FHF,TYR_128,10.2,-0.64,-0.45,1.3
2H8O,GLU_148,4.75,0.3,0,-0.06
1ZCU,ASP_112,3.39,-1.01,-0.43,1.03
1RLO,ARG_180,12.69,-2.94,0.46,2.68
2JHY,LYS_199,10.42,-0.21,0,0.13
3FWU,LYS_15,11.16,-0.35,0.41,0.16
1FO9,LYS_381,10.23,-0.13,0,-0.13
2HZZ,CYS_44,11.07,-0.68,0.34,2.42
2D25,LYS_731,11.36,-0.56,0.85,0.57
2ZCO,LYS_190,10.42,-0.06,0,-0.01
2OSA,LYS_384,10.9,-0.19,0.21,0.38
1OST,TYR_402,13.14,-0.52,0.3,66
3F53,TYR_277,9.9,-0.25,-0.21,0.36
1TR9,HIS_212,6.37,-0.31,0,0.18
3FNI,LYS_87,10.64,-0.17,0,0.3
1WRU,GLU_128,5.11,0.85,-0.08,-0.16
2Z14,LYS_103,11.92,-0.46,0.85,1.02
2VGM,ASP_363,3.84,-0.14,-0.28,0.46
2FZ4,TYR_67,11.86,0.85,0.39,0.62
1MIX,LYS_244,11.07,-0.42,0,-0.08
3DB9,ASP_182,3.7,-0.3,-0.06,0.26
2G2D,ASP_179,3.96,0,0,0.16
3CIV,TYR_302,10.45,-0.34,0.06,0.73
3LJI,ASP_227,4.04,0,0,0.24
4FH3,HIS_273,4.28,-1.61,0.12,-0.73
3ETU,ASP_150,3.95,0,0,0.15
1O3X,TYR_253,11.92,0.78,0.39,0.76
2POY,LYS_161,10.16,-0.34,0,0
1Z3X,GLU_108,4.53,0.84,0,-0.8
2Z0W,ARG_76,12.02,-0.35,0,-0.13
2O8P,ASP_165,3.3,-0.49,-0.42,0.4
2OGQ,ASP_457,2.45,-1.79,0,0.44
2ZCO,ASP_32,3.71,0,-0.3,0.21
1NAF,GLU_203,4.16,0.24,-0.12,-0.45
2RIK,LYS_194,10.26,-0.38,0,0.14
3KB5,ARG_371,12.42,-0.08,0,0
1RIS,GLU_197,4.37,0.37,0,-0.5
1EYH,LYS_128,10.61,-0.12,0,0.23
2B0J,GLU_27,5.17,0.97,0,-0.31
4AE7,ARG_189,12.15,-0.37,0,0.01
2PLQ,TYR_116,12.23,0.84,0.45,0.93
3CAX,ASP_373,3.25,-1.34,-0.44,1.25
3RNV,LYS_378,10.53,-0.25,0,0.29
2GZQ,ASP_91,11.03,0,-0.14,1.17
3BJV,GLU_130,4.42,0.19,0,-0.27
3ASA,ASP_223,4.02,0,-0.08,0.31
1L2F,GLU_165,4.49,1.08,-0.85,-0.24
2BT8,ARG_262,12.22,-0.52,0.06,0.19
2AZL,LYS_41,9.51,-0.47,0,-0.52
3RJZ,ARG_105,12.8,-0.44,0.36,0.38
3CAX,LYS_298,11.07,-0.33,0.51,0.4
2Q34,TYR_170,10.09,0,-0.02,0.11
1H09,HIS_14,6.65,-0.15,0.23,0.06
2F9F,ASP_144,4.02,0,-0.08,0.31
2GEN,TYR_64,13.22,0,0.1,3.12
3ETU,ASP_161,3.19,-0.65,-0.42,0.46
3JZN,GLU_249,5.01,0.39,0,0.12
4EKU,ASP_196,4.23,0,-0.04,0.47
2G9D,ASP_131,3.84,-0.28,-0.27,0.6
4GCO,GLU_145,4.49,0.27,-0.2,-0.08
21IA,LYS_54,10.22,-0.44,0,0.16
1BN6,GLU_202,4.62,0.38,0,-0.27
3UC9,ARG_48,12.78,-0.14,0,0.42
2QRX,LYS_72,10.85,-0.32,0.26,0.41
2P1W,ARG_111,12.3,-0.32,0,0.12
1EQ6,ASP_96,3.94,0,-0.02,0.15
3IV4,GLU_75,4.67,0.29,0,-0.11
1YM5,GLU_52,5.1,3.2,-0.61,-1.98
3AU3,GLU_461,4.43,0.22,0,-0.28
2H14,GLU_58,4.81,0.28,0,0.02
3UX2,ARG_101,12.19,-0.33,0,0.02
1NJ4,ASP_156,3.97,0,0.03,0.14

2QV2,ARG_271,12.29,-0.25,0.0,0.04
 1RS5,TYR_85,10.16,0.0,0.0,16
 1WOU,ASP_36,2.95,-1.34,-0.05,0.54
 3IL3,LYS_60,11.4,-0.49,0.85,0.55
 1OTM,ASP_87,2.59,-0.85,-0.65,0.29
 3ETU,GLU_51,4.67,0.17,0,0
 1AIL,ASP_39,3.12,-0.64,-0.48,0.44
 1XAW,LYS_501,10.28,-0.16,0,-0.06
 3EX9,GLU_157,4.58,0.08,0,0
 3UAH,CYS_332,12.08,-0.76,-0.18,4.02
 3JSN,TYR_306,10.91,0.0,21,0.7
 3CBN,HIS_111,6.14,-0.69,0.18,0.15
 1J33,ARG_46,13.35,-0.44,0.68,0.61
 2B2H,ASP_214,3.95,0,0,0,15
 1SFE,ARG_81,12.88,-0.39,0.01,0.77
 2GYZ,ARG_88,12.58,-0.32,0.02,0.38
 2YT4,LYS_689,9.85,-0.74,0,0.09
 2F4Q,HIS_218,5.82,-0.36,0,-0.31
 2FL4,ARG_139,12.36,-0.44,0.01,0.29
 3ELI,GLU_61,4.58,0.08,0,0
 1X7F,GLU_17,3.93,0.32,-0.61,-0.28
 2EDM,ASP_105,3.3,-0.88,-0.1,0.48
 4DBX,CYS_213,10.45,-0.14,0.18,1.42
 2X4G,ARG_272,12.44,-0.18,0,0.13
 2Q13,GLU_11,5.17,0.24,0,0.42
 2F4Q,LYS_194,10.14,-0.37,0,0
 2F4Q,GLU_260,3.81,0.12,-0.71,-0.09
 1ZBS,ARG_38,13.21,-0.22,0.46,0.47
 2RIK,LYS_49,10.39,-0.11,0,0
 1EW4,GLU_44,4.43,0.3,-0.79,0.43
 2AD1,LYS_31,10.35,-0.13,0,-0.02
 3RJZ,ARG_28,12.43,-0.07,0,0
 2AH5,TYR_81,10.28,0,0.07,0.21
 2WOZ,LYS_436,11.02,-0.28,0.3,0.5
 3N2T,LYS_262,9.8,-0.85,0,0.14
 3HVV,ARG_246,13.09,-0.89,0.72,0.76
 4H4J,ASP_188,4.02,-0.04,-0.07,0.33
 1R9W,CYS_290,9.02,0,-0.19,0.21
 2V4U,ASP_365,4.14,-0.82,-0.08,1.24
 3IOO,ARG_120,13.79,-0.36,1.13,0.51
 2IXM,LYS_242,11.62,-0.18,0.79,0.51
 3PP8,ARG_269,11.99,-0.71,0,0.2
 1WLY,ARG_235,12.63,-0.27,0,0.4
 3GEC,ASP_276,4.53,0,-0.46,1.2
 1UJ8,ASP_55,2.65,-1.54,-0.22,0.61
 2H2Z,LYS_236,10.65,-0.15,0,0.3
 2VAN,LYS_148,10.52,-0.33,0,0.35
 1S7K,HIS_25,6.15,-0.3,0,-0.04
 1YLN,GLU_188,3.97,0.86,-0.98,-0.42
 1I60,TYR_199,13.9,-0.85,1,3.75
 1MSI,ARG_197,12.11,-0.32,0,-0.07
 3IU5,GLU_104,4.59,0.12,0,-0.03
 2VGM,ASP_185,3.19,-0.78,-0.2,0.36
 2EJB,LYS_116,11.21,-0.38,0.82,0.27
 3G65,LYS_197,10.71,-0.41,0,0.62
 1SQW,TYR_95,9.64,-0.38,-0.38,0.4
 1XAW,ARG_519,12.78,-0.24,0.24,0.27
 4E8B,ASP_155,4.42,-0.19,0.17,0.63
 2APL,TYR_115,11.91,0.81,0.42,0.68
 3EIZ,ARG_89,12.32,-1.04,0.4,0.47
 3EZ7,GLU_222,4.69,0.22,0,-0.02
 3QKY,GLU_254,4.48,0.26,0,-0.28
 2QK1,ARG_550,13.02,-0.45,0.31,0.66
 1RKA,HIS_17,5.84,-0.66,0,0
 1XKR,ASP_70,3.18,-0.8,-0.26,0.43
 3BQW,GLU_302,3.42,0.41,-1.01,-0.48
 4AM1,ARG_294,12.81,-0.35,0.07,0.59
 3FNI,LYS_109,10.31,-0.2,0,0.01
 3RJX,LYS_41,10.77,-0.29,0.23,0.32
 3AUF,ARG_26,13.36,-0.39,0.82,0.44
 3G9G,GLU_220,5.05,0.58,0,-0.02
 3E5T,GLU_215,3.82,2.82,-0.85,-2.65
 3IV4,GLU_17,4.54,0.27,-0.25,0.02
 1L3K,ARG_55,12.28,-0.3,0.0,0.09
 1RAJ,GLU_364,3.88,0.23,-0.85,0
 1SUU,LYS_749,10.46,-0.12,0,0.08
 1C44,ASP_41,4.04,0.6,94E-18,0.24
 2V4U,ASP_470,3.84,0,-0.31,0.35
 3OA7,GLU_446,4.56,0.28,0,-0.22
 3F7M,ARG_225,13.48,-0.54,0.78,0.75
 1FKM,ARG_254,11.33,-1.19,0,0.01
 2B02,ARG_409,12.27,-0.3,0,0.07
 1WYC,HIS_58,7.13,-0.14,0.69,0.07
 1O6D,ARG_115,13.27,-0.34,0.74,0.38
 4ECC,ARG_116,12.12,-2.73,0.15,2.21
 3ONT,GLU_69,4.86,0.48,0,-0.11
 1BN6,ASP_94,3.92,-0.84,-0.27,1.23
 1ANU,ASP_114,4.01,0,-0.16,0.37
 4FLE,ARG_95,13.17,-0.4,0.61,0.47
 2GZQ,GLU_63,4.77,0.29,0,-0.02
 1ZKZ,LYS_96,10.39,-0.32,0,0.21
 4HDE,ASP_142,1.78,-1.7,-0.76,0.44
 3CAX,ARG_419,12.86,-0.32,0.38,0.31
 3Q2C,GLU_11,3.98,0.34,-0.57,-0.29
 1NWA,GLU_140,3.95,0.3,-0.51,-0.36
 1H4U,CYS_373,9.01,0,-0.09,0.1
 1MIX,TYR_270,11.36,-0.85,0.05,2.17
 3RFY,ARG_238,12.25,-2.87,0.1,2.52
 2OKT,GLU_73,4.23,0.33,-0.41,-0.19
 2H2W,ARG_98,12.06,-0.73,0,0.29
 3LJN,GLU_18,4.57,0.19,0,-0.12
 1WXF,ARG_249,12.33,-0.17,0,0
 4DVD,ARG_71,12.16,-0.39,0.0,0.4
 3CIV,GLU_121,3.96,0.47,-0.82,-0.2
 2Q99,LYS_312,11.14,-1.12,0.85,0.92
 1MN3,GLU_405,5.11,0.45,-0.13,0.28
 2D7J,LYS_87,10.42,-0.16,0,0.08
 4F85,ASP_74,3.79,0,-0.27,0.26
 2D8N,LYS_63,10.31,-0.29,0,0.1
 2XHC,HIS_64,6.86,-0.44,0.85,-0.05
 3ETV,ASP_347,4.2,0.0,0.05,0.35
 1ZP2,GLU_124,4.34,0.82,-0.83,-0.15
 1QQE,ARG_220,12.58,-0.17,0,0.25
 1I60,ARG_166,13.23,-0.38,0.59,0.52
 1SQH,GLU_295,3.32,0.97,-1.7,-0.46
 3MIX,LYS_478,11.06,-0.55,0.22,0.88
 1WPS,LYS_141,10.42,-0.16,0,0.08
 3FXH,CYS_103,12.51,-0.02,0.03,3.5
 1GPP,LYS_427,10.54,-0.08,0,0.12
 2RIS,LYS_141,10.42,-0.08,0,0
 2CIU,LYS_180,10.42,-0.13,0,0.05
 2FBI,ARG_41,12,-0.87,0,0.37
 1PNE,ARG_136,12.38,-0.3,0,0.18
 3G59,GLU_247,4.7,0.16,0,0.04
 2XHC,ASP_323,3.45,-0.49,-0.38,0.53
 1BKB,TYR_22,11.14,0,-0.16,1.3
 4AF2,ASP_151,3.72,-0.13,-0.23,0.28
 2IQT,TYR_288,10.38,0,-0.05,0.43
 3GE9,LYS_165,10.21,-0.29,0,0.01
 3V46,ARG_289,12.48,-0.4,0.03,0.36
 2G9D,ASP_279,3.73,0,-0.36,0.3
 1J8B,LYS_89,10.61,-0.07,0,0.19
 2GZQ,GLU_9,3.25,1.02,-1.55,-0.71
 3GEC,CYS_502,9.4,-0.52,0.01,0.9
 3CBN,GLU_162,4.36,0.22,0,-0.35
 2B0J,GLU_229,3.57,0.37,-0.84,-0.47
 1WLY,HIS_192,5.15,-0.78,0,-0.56
 1J74,TYR_143,10.76,-0.84,0,1.6
 2XWS,ARG_89,12.52,-0.23,0,0.25
 3LJ,LYS_260,10.25,-0.26,0,0.01
 1P6F,ARG_139,12.47,-0.03,0,0
 1BN6,ASP_89,4.21,0.0,0.15,0.26
 3BCY,HIS_91,6,-0.33,0,-0.18
 3F1X,TYR_261,10.31,0,-0.09,0.4
 3OIP,ASP_145,2.79,-0.99,-0.61,0.58
 1WJG,ARG_57,12.58,-0.14,0,0.21
 2FD5,LYS_4,10.39,-0.07,0,-0.05
 2V4X,ASP_82,3.85,-0.16,-0.07,0.28
 2YWX,GLU_16,4.75,0.26,0,-0.01
 2NSN,ASP_73,3.55,-0.46,-0.7,0.89
 1NAF,GLU_219,4.5,0.24,-0.21,-0.03
 2D7U,ARG_55,12.02,-1.06,0,0.58
 2OSA,ASP_373,4.24,0.25,0.19
 2B02,GLU_435,4.7,0.2,0,0
 3BB7,LYS_105,10.38,-0.12,0,0
 2CN1,LYS_193,10.66,-0.24,0,0.4
 4FD6,LYS_213,10.68,-0.29,0,0.47
 1HF8,ARG_246,12.91,-0.85,0.73,0.53
 1FQI,ARG_305,13.41,-0.63,0.78,0.76
 2FG1,GLU_59,4.63,0.13,0,0
 3L7N,LYS_125,11.36,-0.23,0.37,0.71
 1ZYL,LYS_176,11.54,-0.21,0.85,0.4
 2B0J,GLU_216,4.76,0.43,0,-0.17
 2IXM,ASP_250,4.05,0,-0.47,0.73
 3IVF,ASP_54,4.03,0,0.14,0.09
 1SJ8,CYS_709,11.35,0.44,1.91
 3T57,ARG_149,13.38,-0.28,0.51,0.65
 2BT8,HIS_223,6.89,-0.56,0.75,0.2
 2A6B,GLU_76,4.69,0.13,0,0.05
 1WPS,LYS_274,10.3,-0.34,0,0.15
 1JKS,ARG_254,13.68,-0.26,1.05,0.39
 1C3K,GLU_69,4.61,0.5,-0.08,-0.3
 3RJZ,TYR_199,9.99,0,-0.16,0.16
 2O0K,LYS_305,10.46,-0.29,0,0.25
 2BCF,GLU_218,4.22,0.37,-0.35,-0.3
 3OOP,GLU_41,5.19,0.96,-0.15,-0.12
 1AKO,HIS_16,5.76,-0.7,0.11,-0.15
 4EZB,GLU_242,4.94,0.45,0,-0.02
 2YT4,TYR_519,12.42,0.22,2.21
 3CX5,LYS_167,10.46,-0.04,0,0
 1NAF,HIS_186,6.34,-0.16,0,0
 3G53,GLU_54,4.67,0.22,0,-0.05
 1O59,TYR_343,10.27,0.0,0.04,0.22
 1NAR,LYS_210,10.22,-0.55,0,0.26
 4E5S,GLU_13,3.7,0.28,-0.85,-0.23
 2B0J,LYS_2,9.88,-1.26,0,0.64
 3OOP,ASP_31,2.88,-0.69,-0.55,0.31
 1W24,HIS_117,5.72,-2.31,0.85,0.68
 3M9A,CYS_93,9.41,-0.18,0.06,0.53
 2PGX,ARG_241,13.21,-0.84,0.87,0.68
 1NJ4,LYS_84,10.43,-0.24,0,0.16
 2H2Z,TYR_37,11.71,-0.03,0.11,1.63
 1RWZ,ARG_37,12.03,-0.85,0,0.38
 2CIU,ASP_129,3.92,0,-0.05,0.17
 3WPS,ARG_74,13.35,-0.17,0.64,0.38
 3RFF,ARG_65,13.07,-0.51,0.52,0.57
 2WZ9,GLU_59,4.32,0.39,-0.42,-0.14
 1OGL,LYS_106,10.39,-0.11,0,0
 1ZCE,LYS_101,10.59,-0.09,0,0.18
 2IQT,ASP_180,3.41,-0.7,-0.39,0.7
 1YR6,ARG_177,12.75,-0.32,0.02,0.55
 3I0Z,HIS_305,5.49,-2.52,0.66,0.86
 3LPZ,ARG_319,12.43,-0.07,0,0
 2FXT,GLU_295,4.44,0.43,0,-0.5
 1YB2,ARG_221,12.62,-0.18,0,0.29
 1MTZ,TYR_176,10.52,-0.15,0.05,0.61
 3FTT,LYS_6,11.51,-0.32,0.85,0.48
 2OB5,HIS_49,6.49,-0.6,0.13,0.46
 1R9W,ASP_275,4.02,0,0,0.22
 3GT0,GLU_103,4.75,0.1,0,0.14
 3CAX,TYR_448,11.01,-0.85,-0.11,1.97
 1OLR,TYR_128,12.71,0.14,0.01,2.56
 3EIZ,LYS_175,10.49,-0.02,0,0.01
 2H30,CYS_71,12.3,-0.02,0.53,2.81
 1SJ8,ASP_661,4.03,0,-0.03,0.25
 1K95,LYS_125,9.74,-0.83,0,0.07
 3B79,LYS_123,10.34,-0.26,0,0.1
 1FQI,ASP_399,3.89,0,-0.27,0.36
 1G8P,GLU_267,4.73,0.23,0,0
 1EYH,HIS_67,6.38,-0.26,0,0.14
 1O0X,LYS_54,10.44,-0.08,0,0.02
 2RH3,LYS_198,10.42,-0.08,0,0
 2G3A,ASP_36,3.75,0,-0.27,0.22
 3HVM,ARG_33,12.11,-0.84,0,0.44
 2RJD,TYR_427,13.34,0.85,0.91,1.58
 3BPP,CYS_120,12.17,-0.88,0.13,3.92
 1QZN,ASP_147,3.25,-1.45,-0.03,0.93
 1Q46,TYR_141,10.11,0,-0.25,0.37
 2CBE,ASP_41,1.64,-2.12,-0.51,0.48
 2O0K,ASP_34,4.0,-0.03,0.23
 1YM5,HIS_295,6.67,-0.4,0.0,0.56
 1J33,GLU_135,3.32,1.23,-1.75,-0.66
 3EJG,LYS_47,10.48,-0.19,0,0.16
 1Z3X,HIS_39,6.39,-0.55,0,0.43
 3EVZ,GLU_57,3.31,0.66,-1,-0.86
 2YYO,LYS_93,10.11,-0.12,0,-0.27
 1V43,ARG_150,11.82,-1.02,0,0.34
 3HVM,LYS_195,10.59,-0.15,0,0.24
 2P1W,ASP_112,3.75,-0.19,-0.11,0.25
 3FNI,ARG_20,12.84,-0.32,0.02,0.64
 3C2E,ARG_115,12.03,-0.47,0,0.01
 1QZF,LYS_201,10.04,-0.62,0.17
 2EA9,CYS_92,12.5,-0.11,0.17,3.43
 1U3Y,LYS_272,10.33,-0.17,0,0
 2W0G,ASP_254,4.09,0,0.02,0.27
 1DVO,ARG_101,12.33,-0.29,0,0.12
 3BPV,ARG_140,12.78,-0.33,0.61,0
 1WP5,LYS_128,12.44,-0.5,1.58,0.86
 1MIX,GLU_350,4.05,0.7,-0.55,-0.6
 2BDV,ASP_179,3.16,-0.77,-0.38,0.5
 1YDL,ARG_56,12.46,-0.29,0,0.25
 1UCH,LYS_210,11.36,-0.41,0.71,0.56
 3ODJ,GLU_49,3.85,0.5,-0.71,-0.43
 2OJQ,ASP_434,4.14,0,-0.36,0.69
 3V55,LYS_593,10.5,-0.09,0,0.09
 3HVM,HIS_46,6.69,-0.91,0.64,0.46
 3GEC,TYR_377,13.24,0.0,12.3,12
 2O8I,HIS_97,6.15,-0.39,0,0.05
 3BJV,ARG_77,12.24,-0.42,0,0.16
 2A1V,GLU_32,4.92,0.2,0.0,22
 2QOP,ARG_140,12.35,-0.32,0,0.16
 3M7D,GLU_15,4.2,0.47,-0.74,-0.03
 2RIK,TYR_130,10.96,0,0.51,0.45
 3H5T,GLU_346,4.56,0.25,0,-0.19
 2IIA,GLU_41,4.65,0.13,0,0.03
 2PIM,ARG_105,12.99,-0.34,0.33,0.5
 3CO1,ASP_19,3.8,-0.06,-0.21,0.28
 3G9G,TYR_193,10.14,0,-0.03,0.17
 2CW4,ARG_8,13.3,-0.21,0.61,0.41
 4DBX,GLU_86,4.54,0.04,0,0
 4F8A,ARG_662,13.22,-0.27,0.63,0.36
 2BAA,ARG_114,12.96,-2.63,0.92,2.18
 3ODJ,ASP_183,2.95,-1.76,-0.86,1.77
 3BB7,ARG_43,12.22,-0.28,0,0
 1AIL,LYS_20,11.32,-0.3,0.74,0.38
 4EVF,ASP_129,4.13,0,-0.14,0.49

4DNU,HIS_49,4.66,-1.82,0.15,-0.18
3C38,TYR_234,10.69,0.023,0.46
2P4D,HIS_109,4.85,-2.4,0.82,-0.07
3EAZ,HIS_155,7.35,-0.55,0.85,0.55
1TJE,ASP_22,3.27,-1.31,0.04,0.75
1RWZ,ASP_85,3.38,-0.83,-0.04,0.45
2XHC,LYS_73,10.42,-0.08,0,0
3HUE,ASP_59,3.57,-1.66,-0.28,1.71
1QSZ,ARG_550,11.45,-0.86,0,-0.19
3HZQ,LYS_85,10.19,-0.31,0,0
1RWZ,HIS_175,6.49,-0.64,0.69,-0.06
2OJQ,ARG_456,12.74,-0.11,0,0.34
3OA7,GLU_468,3.98,0.16,-0.68,0
1P4X,LYS_72,10.35,-0.15,0,0
3JZ9,ASP_387,2.95,-0.7,-0.4,0.25
3GMS,ASP_193,2.78,-1.64,-0.02,0.65
1WNH,GLU_59,4.83,0.3,0,0.03
3EZ7,ARG_396,12.43,-0.07,0,0
2Q13,LYS_351,10.25,-0.25,0,0
3GOZ,LYS_274,10.42,-0.24,0,0.17
1L2H,LYS_74,10.42,-0.12,0,0.04
3ASA,TYR_350,11.35,0.013,1.22
1I60,TYR_253,12.53,0.015,2.39
3UPD,LYS_19,10.38,-0.12,0,0
1HF8,CYS_48,10.25,-0.06,-0.08,1.4
1GQE,LYS_314,10.35,-0.17,0,0.03
1RL0,LYS_156,9.74,-0.51,0,-0.26
1N81,ARG_36,12.59,-0.14,0,0.23
2H2Z,CYS_160,12.82,-0.04,0.08,3.78
4ETX,GLU_238,4.43,0.15,0,-0.22
4GCO,CYS_220,10.29,-0.71,0,2
2D59,ASP_14,2.83,-1.39,0.01,0.4
2D7U,ARG_335,12.32,-1.1,0.12,0.81
3F5D,LYS_129,10.43,-0.07,0,0
3RFF,HIS_107,6.36,-0.14,0,0
1TWU,GLU_62,4.83,1.06,-0.18,-0.56
3RNV,LYS_453,10.31,-0.64,0.044
2I88,LYS_403,10.41,-0.2,0,0.11
1W7B,TYR_238,9.18,-0.85,-0.27,0.3
1DOV,GLU_82,4.35,0.21,-0.04,-0.32
3MIX,GLU_574,4.69,0.15,0,0.04
2Q98,LYS_190,10.2,-0.6,0.14,0.17
3FHF,TYR_86,10.02,0,-0.26,0.29
2CBE,LYS_149,10.13,-0.37,0,0
3GV0,ASP_235,3.43,-0.39,-0.32,0.33
4F8A,ARG_704,12.91,-0.16,0.12,0.45
3NR5,ASP_133,2.15,-1.78,-0.42,0.54
1SJ8,GLU_748,5.11,0.61,0,0
1LTU,ASP_235,4.07,0,0,0.27
2Z61,ARG_230,11.84,-0.75,0,0.09
2Q07,ASP_362,4.11,0,0.06,0.26
2E3S,GLU_431,3.47,2.43,-2.93,-0.52
4AE7,LYS_99,10.72,-0.15,0.37,0
2EHG,LYS_13,10.38,-0.13,0,0.01
1ZBM,GLU_186,3.77,0.35,-0.32,-0.77
2B0J,CYS_250,12,0,0,29,2.7
2RH3,LYS_137,9.57,-0.99,0,0.06
4EKU,GLU_19,4.58,0.08,0,0
3T5B,GLU_242,4.76,0.21,0,0.06
2HP7,TYR_171,10.29,0.03,0.26
3HNX,GLU_72,4.42,0.17,0,-0.25
2EJB,ASP_28,3.87,0,-0.16,0.22
3PBH,ARG_21,12.62,-2.92,0,3.04
4FZN,ARG_69,12.48,-0.41,0,0.38
1RI6,LYS_316,10.56,-0.34,0,0.4
3CSV,ARG_288,11.71,-1.39,0,0.61
2OJQ,GLU_561,4.67,0.16,0,0.01
2O8I,ARG_61,12.2,-0.3,0,0
1MN3,CYS_442,9.46,0,0.01,0.45
2PLQ,HIS_232,6.42,-1.17,0.62,0.47
1DVO,GLU_106,4.74,0.16,0,0.07
2H85,LYS_181,9.33,-1.13,0,-0.04
3QKY,ARG_180,12.36,-0.14,0,0.01
3GS9,GLU_262,5.45,1.05,0,-0.1
1JB3,ARG_10,11.23,-1.38,0,0.11
2V5B,GLU_133,3.57,0.4,-1.32,-0.01
2HRZ,CYS_296,10.22,-0.32,0.05,1.5
1YOY,GLU_158,4.61,0.14,0,-0.04
2IDC,HIS_36,6.54,-0.37,0,0.4
2EFK,ASP_23,3.81,-0.35,-0.03,0.39
2QK1,TYR_446,11.3,0,-0.01,1.31
1R53,ASP_236,3.86,0,-0.23,0.3
3M7G,ASP_119,3.98,0,-0.11,0.29
3LJC,ARG_99,12.51,-0.28,0,0.29
2BV9,ASP_113,4.09,-0.2,-0.02,0.51
4FCU,ARG_158,12.11,-0.62,0,0.22
2R05,LYS_128,9.67,-1.4,0.57
2GZR,TYR_208,12.43,-0.82,0.05,3.2
3IVF,GLU_63,4.43,0.27,0,-0.35
2XHC,GLU_23,4.89,0.59,0,-0.2
2I6I,TYR_137,10.19,0.14,0.05
3A0X,GLU_668,4.68,0.32,-0.15
1IDK,TYR_229,12.66,0.1,0.9,1.56
2H30,LYS_148,11.3,-0.19,0.39,0.59
3ELI,GLU_146,4.58,0.15,0,-0.07
2X5Y,LYS_774,10.35,-0.55,0,0.4
1V8E,ARG_29,12.39,-0.29,0.18
2FBQ,HIS_83,6.46,-0.14,0,0.1
3EZ7,ARG_145,12.48,-1.38,0.9,0.48
1C44,LYS_29,10.48,-0.23,0,0.21
1HUJ,LYS_26,10.3,-0.51,0,0.31
2IF4,GLU_96,4.72,0.25,0,-0.02
3GV0,LYS_232,10.39,-0.15,0.04
1D2K,TYR_344,10.81,0.06,0.74
2A4D,GLU_115,4.92,0.13,0.25,0.04
3LD1,LYS_293,10.37,-0.17,0,0.03
2IXM,ARG_41,12.23,-0.29,0,0.01
1QQE,LYS_14,11.2,-0.55,0.85,0.4
1DCF,GLU_50,4.02,0.27,0,-0.74
2JEO,ARG_122,12.25,-0.97,0.38,0.34
2ILR,CYS_319,11.08,0,0.08,2
2RJD,LYS_310,10.66,-0.1,0,0.26
3LMO,ASP_85,3.52,-0.85,-0.02,0.59
3G9G,GLU_171,4.63,0.12,0,0.01
2O8I,TYR_107,12.69,0.08,-0.09,2.7
2RIK,ARG_143,13.24,-0.3,0.71,0.33
1UAJ,GLU_11,4.43,0.13,0,-0.19
1FKM,ASP_462,3.26,-1.49,0,0.95
1I60,LYS_2,10.92,-0.22,0.09,0.54
2FM9,LYS_157,10.5,-0.13,0,0.13
3OOP,LYS_52,10.55,-0.14,0,0.19
1K95,LYS_169,10.78,-0.21,0,0.49
1QYI,LYS_141,10.36,-0.14,0,0
3L7N,LYS_38,10.22,-0.17,0,-0.1
2DFL,ASP_170,3.74,-0.31,0,0.25
1IDK,ASP_309,4.13,0,-0.02,0.36
157K,TYR_121,12.11,-0.86,0.23,2.75
2BLG,GLU_640,3.84,0.35,-0.75,-0.26
3BPV,GLU_25,4.38,0.47,-0.06,-0.54
3VJ8,CYS_289,12.76,-0.33,0.25,3.84
2YLF,CYS_65,12.08,0.07,3.02
3L3P,ARG_471,12.6,-0.3,0,0.41
3V46,GLU_360,3.39,1.33,-1.77,-0.67
2RIK,TYR_166,13.15,0.078,2.36
3US6,CYS_97,12.19,0,-0.02,3.22
2ZCO,GLU_198,4.1,0.35,-0.84,0.09
3LE4,LYS_342,10.44,-0.06,0,0
1NIJ,GLU_39,4.66,0.12,0,0.04
3F7M,ARG_355,13.88,-0.45,1.4,0.43
2IDC,LYS_10,10.59,-0.1,0,0.19
1YLN,ASP_157,2.86,-0.85,-0.4,0.31
1X9G,LYS_170,9.42,-1.05,0,-0.03
3UV1,GLU_71,4.64,0.1,0,0.04
3O16,LYS_61,11.15,-0.67,0.85,0.48
2PGE,ASP_115,2.86,-1.12,-0.37,0.55
1MML,ARG_121,13.12,-0.48,0.82,0.28
3F5D,ASP_12,3.44,-0.76,-0.01,0.41
2OOK,GLU_357,4.94,0.28,0,0.17
3EJG,LYS_94,10.5,-0.12,0,0.12
2Q07,TYR_447,10.65,-0.25,-0.59,1.48
3BPP,ASP_168,4.01,-0.24,-0.28,0.74
3C38,ASP_121,2.1,-1.62,-0.46,0.38
4HDE,ASP_104,3.76,0,-0.36,0.32
3FHF,LYS_88,10.38,-0.17,0,0.04
1RKA,HIS_213,5.78,-1.46,0.72,0.02
3RJX,LYS_176,11.54,-0.31,0.74,0.61
4DNU,LYS_329,10.67,-0.17,0,0.34
3JZN,ASP_144,4.2,0.25,0.15
3V55,ARG_551,12.83,-0.55,0.38,0.5
3K9I,ASP_156,2.81,-0.68,-0.66,0.35
3BCY,HIS_130,6.1,-0.4,0,0.01
2YWX,LYS_144,10.41,-0.12,0,0.03
1QQL,LYS_32,9.68,-0.96,0,0.14
3OBS,ASP_40,3.6,-0.56,-0.01,0.37
2E0T,ARG_98,12.54,-0.11,0,0.15
3CRM,HIS_240,6.33,-0.56,0.039
2CXA,CYS_200,9.83,-0.06,0.05,0.84
1YTQ,LYS_171,10.51,-0.13,0,0.14
3V3T,ARG_306,12.5,-0.11,0,0.11
2Z84,CYS_119,10.86,0.31,0.04,1.51
4FCU,ARG_84,12.23,-0.51,0,0.24
2G2D,ASP_72,4.35,-0.85,0.18,1.22
1H4U,ARG_620,12.13,-0.41,0,0.04
1RWZ,LYS_100,11.22,-0.28,0.39,0.6
3CBN,ARG_41,12.37,-0.19,0,0.05
2Q98,GLU_70,4.49,0.1,0,-0.11
2G5X,TYR_69,11.48,-0.85,0.6,1.72
1MML,ARG_116,12.63,-0.09,0,0.22
3DTE,LYS_15,10.03,-0.37,0,-0.09
1NAR,GLU_32,5.08,1.22,0,-0.63
3LD1,GLU_57,4.42,0.36,-0.36,-0.08
3M16,GLU_260,4.78,0.36,0,-0.09
3GS9,TYR_222,10.38,0.0,0.19,0.19
1SUU,TYR_740,10.17,0,-0.01,0.19
3IL3,ASP_289,2.66,-1.47,-0.5,0.83
2Q12,LYS_70,10.66,-0.17,0,0.32
1R3F,HIS_218,6.21,-0.46,0.17
1ZCE,HIS_72,7.59,-0.67,0.98,0.77
3RLE,GLU_119,4.77,0.19,0,0.07
2QK1,GLU_543,4.43,0.21,-0.06,-0.22
2IF4,ARG_288,12.38,-0.13,0,0.01
2JEO,GLU_53,4.61,0.2,-0.09,0
1G5Z,LYS_165,10.18,-0.36,0,0.04
2Q99,LYS_184,10.33,-0.17,0,0
2FB1,ARG_352,13.62,-0.51,0.77,0.85
4ZFR,ASP_110,4,0,-0.24,0.44
1RKA,ARG_288,12.89,-0.74,0.65,0.47
2CL3,ARG_63,11.22,-1.19,0,-0.08
3IPZ,CYS_151,10.32,0.28,1.04
1L2F,ASP_184,2.43,-1.41,-0.38,0.42
1SIG,TYR_421,10.6,-0.16,-0.04,0.79
3L3P,TYR_402,12.38,0.35,2.03
3CXS,LYS_55,10.26,-0.24,0,0
3M66,ASP_378,2.13,-1.67,-0.42,0.42
3EVZ,GLU_146,4.52,0.12,0,-0.09
2OKT,LYS_137,10.87,-0.28,0.28,0.36
3BQE,ARG_311,12.34,-0.38,0,0.23
2FXT,LYS_379,10.42,-0.19,0,0.12
3IUS,LYS_96,10.02,-0.58,0,0.1
2V4U,TYR_336,11.66,0.05,1.61
3T5B,ARG_320,13.51,-0.3,0.39,0.93
3CJW,GLU_210,4.88,0.65,-0.03,-0.24
1TLV,HIS_269,5.47,-1.5,0.81,-0.34
1T3Y,LYS_93,10.2,-0.31,0,0.01
2O8P,CYS_112,10.71,-0.17,-0.17,2.05
4H4J,ARG_256,11.98,-2.32,0.63,1.17
1T6L,HIS_185,6.7,-0.38,0.78,-0.2
3IPZ,GLU_115,5.08,0.35,0,0.24
2WOZ,TYR_354,10.19,0,0.19
1O5T,ARG_464,11.07,-1.65,0,0.23
2RH3,GLU_124,3.92,0.9,-1.01,-0.47
1RSS,LYS_60,10.52,-0.1,0,0.12
350A,GLU_5,3.62,0.27,-0.93,-0.22
3IMD,CYS_66,11.69,1.31,-0.55,-1.11
2EDM,GLU_176,3.8,0.33,-1.15,0.12
3A7L,ASP_108,2.72,-1.43,0,0.35
1RWZ,ARG_241,12.26,-0.6,0,0.37
3BJV,GLU_72,3.82,0.33,-0.76,-0.25
1GXN,TYR_360,10.55,0,0.55
3BV9,TYR_98,12.92,0.79,0.32,1.82
1FKM,LYS_313,11.51,-0.22,0.83,0.4
3G53,LYS_256,10.49,-0.16,0,0.15
2Q12,CYS_99,9.58,-0.06,0.05,0.6
3G9G,GLU_107,5.48,0.77,0,0.21
3EVN,GLU_41,4.47,0.22,-0.24,0
1MD6,CYS_66,11.69,0.04,2.65
3GMS,HIS_284,5.39,-1.0,-0.12
2WZ9,GLU_55,3.75,0.24,-0.61,-0.38
1QSZ,ARG_627,12.34,-0.31,0,0.15
2FZP,TYR_271,10.38,0.14,0.24
4DND,ASP_60,4.59,0.14,0.65
1BKJ,GLU_92,3.72,0.39,-0.85,-0.32
2FBQ,GLU_8,4.26,0.75,-0.56,-0.42
2RFA,LYS_229,10,-0.38,0,-0.12
1GQE,ARG_212,12.4,-0.11,0,0.01
4DNU,HIS_67,6.74,-0.49,0.66,0.07
3RLN,ASP_652,2.81,-0.74,-0.65,0.41
1BKR,LYS_57,12.23,-0.33,0.06
3CCY,ASP_192,2.93,-0.79,-0.38,0.31
3I4T,TYR_10,10.86,0.0,0.55,0.3
3EJG,GLU_80,4.54,0.18,0,-0.14
1E55,ARG_248,10.93,-1.95,0,0.38
1BKB,LYS_99,10.09,0.0,0.02,0.07
3ON1,LYS_28,10.42,-0.13,0.05
2O8P,LYS_190,10.5,0,0,0
3EJG,LYS_56,11.35,-0.32,0.77,0.4
4E5S,ARG_56,12.43,-0.15,0,0.08
3GW3,GLU_13,4.6,0.09,0,0.01
1YW5,LYS_141,9.93,-0.63,0.06
2GFD,CYS_156,13.58,-0.16,1.38,3.36
1Q2Y,HIS_77,6.02,-0.46,0,-0.02
3V55,CYS_591,9.51,0,-0.02,0.52
3MIX,ASP_327,4.42,0.28,0.33
3UV9,CYS_471,11.84,-0.07,0.15,2.75
2QV2,TYR_246,10.22,-0.58,-0.23,1.03
2RGY,ARG_190,12.81,-0.15,0,0.46
2H2W,GLU_236,5.04,4.18,-1.64,-1.99
3K8J,LYS_192,9.64,-1,0,0.14
4E9E,ARG_442,12.44,-0.4,0,0.34
2OGQ,GLU_455,4.42,0.32,-0.47,0.07
2CXC,LYS_123,10.24,-0.26,0,-3.47E-17
3FK5,LYS_114,10.97,0,1.97
1X04,ASP_41,3.39,-0.42,-0.41,0.42
3VJ8,CYS_43,12.36,-0.04,0.42,2.97
2RJD,GLU_425,4.66,0.16,0,0
4DBX,HIS_68,6.37,-0.34,0,0.22

3R87, TYR_30, 13.65, 0.84, 0.57, 2.25
2F24, LYS_109, 10.08, -0.37, 0, -0.05
1O59, TYR_200, 12.02, 0.56, 0.47, 0.99
2G3A, GLU_31, 4.92, 0.1, 0.07, 0.25
3T5B, TYR_107, 10.70, 0.03, 0.67
3IL3, LYS_255, 10.42, -0.08, 0, 0
3M70, HIS_59, 6.28, -0.55, 0, 0.32
2QEV, LYS_116, 9.4, -1.05, 0, -0.05
3LJC, ASP_67, 3.79, -0.23, -0.13, 0.36
1ANU, GLU_45, 3.68, 0.24, -0.68, -0.38
3T5B, ARG_344, 13.19, -0.3, 0.56, 0.44
2PGX, TYR_88, 11.33, 0, 0, 1.33
1SIG, ASP_313, 3.28, -0.84, -0.4, 0.72
3D5H, GLU_270, 3.9, 0.32, -0.45, -0.47
3GS3, ASP_32, 4.04, 0, -0.01, 0.25
4FH3, GLU_123, 4.72, 0.22, 0, 0
2CYG, GLU_303, 4.58, 0.48, 0, -0.4
2EJB, GLU_132, 4.58, 0.08, 0, 0
1FKM, ASP_415, 3.92, 0, -0.05, 0.16
1TD6, HIS_280, 3.95, -2.16, 0, -0.39
1X91, ARG_117, 12.43, -0.09, 0, 0.02
3H5T, HIS_266, 6.36, -0.69, 0.32, 0.23
1MIX, GLU_386, 4.68, 0.18, 0, 0
1UAJ, TYR_136, 10.41, 0, -0.02, 0.43
2OGQ, GLU_488, 4.13, 0.82, -0.8, -0.39
1YB2, LYS_129, 11.54, -0.22, 0.83, 0.42
3H13, ASP_304, 3.87, 0, -0.27, 0.34
4FD6, LYS_61, 10.24, -0.26, 0, 0
1U53, ARG_75, 11.81, -1.33, 0, 0.64
4EVF, TYR_269, 12.22, 0.19, 2.03
1O59, GLU_80, 4.49, 0.31, 0, -0.32
3OOP, GLU_81, 4.68, 0.18, 0, 0
3BJV, TYR_43, 12.75, -0.76, 0.22, 3.29
1MHN, LYS_97, 10.47, -0.09, 0, 0.06
1F2V, ARG_101, 12.64, -0.14, 0.01, 0.27
2GYZ, ARG_6, 12.32, -0.18, 0, 0
3N2T, ARG_260, 13.17, -0.64, 0.83, 0.48
2Z61, TYR_354, 9.87, -0.16, -0.47, 0.5
2IQT, HIS_253, 7.45, -0.22, 0.85, 0.32
2OSA, GLU_377, 4.53, 0.21, -0.3, 0.11
1TUL, GLU_92, 4.48, 0.23, 0, -0.26
2P1W, LYS_208, 10.84, -0.25, 0.23, 0.36
3L7N, ASP_136, 3.5, -0.73, 0.08, 0.36
2D7U, TYR_192, 10.1, 0, -0.05, 0.15
3J5N, HIS_12, 5.58, -1.47, 0, 0.56
1BN6, HIS_241, 6.48, -0.8, 0.84, -0.06
1G8P, ARG_18, 12.44, -0.06, 0, 0
1YTD, GLU_386, 4.87, 0.18, 0, 0.18
2H2W, ASP_249, 4.02, 0, -0.46, 0.69
3K8U, GLU_40, 4.49, 0.15, 0, -0.16
1Q46, ARG_74, 13.17, -0.25, 0.61, 0.31
1PV5, GLU_244, 4.1, 0.21, -0.21, -0.4
2B61, ASP_37, 3.87, 0, -0.04, 0.11
3OBS, TYR_17, 10.27, 0, -0.07, 0.34
3P2F, ARG_135, 13.18, -0.4, 0.37, 0.71
2IRM, TYR_233, 12.7, -0.77, 1.09, 2.37
2B61, ARG_212, 12.59, -1.94, 0, 2.02
4EUG, LYS_184, 10.2, -0.19, 0, -0.11
1X04, GLU_81, 4.66, 0.16, 0, 0
4ESS, ARG_157, 12.8, -0.13, 0, 0.43
3MEW, ASP_194, 5.14, 0.33, 1, 0.1
3J5N, ARG_61, 9.97, -3.12, 0, 0.59
1N81, GLU_113, 4.46, 0.15, 0, -0.19
2OEW, ASP_292, 3.96, 0, 0, 0.16
1SJ8, ASP_564, 3.62, -0.4, -0.12, 0.34
3C6B, GLU_267, 4.64, 0.76, -0.12, -0.51
1ZCE, ASP_80, 3.28, -0.67, -0.25, 0.4
1WXQ, LYS_391, 10.62, -0.34, 0, 0.44
1RKA, LYS_91, 10.47, -0.03, 0, 0
4H89, GLU_4, 3.98, 0.21, -0.63, -0.1
1R6V, ARG_98, 12.37, -0.13, 0, 0
1QQE, TYR_174, 11.39, 0, 0.17, 1.21
3GS3, HIS_234, 5.67, -0.85, 0, 0.02
1TJE, HIS_125, 6.29, -1.24, 0.45, 0.56
2QHT, TYR_127, 10.25, 0, -0.02, 0.27
1J33, ASP_270, 4, 0, -0.38, 0.58
2G2D, ASP_38, 4.02, -0.7, -0.11, 1.03
1LPL, ASP_204, 3.98, 0, -0.02, 0.2
1SJV, GLU_101, 4.62, 0.51, 0, -0.39
2APL, GLU_40, 4.55, 0.33, 0, -0.27
1K95, TYR_153, 11.75, -0.26, 0.26, 1.75
3IVF, HIS_283, 4.12, -2.38, 0.78, -0.78
2R05, TYR_251, 13.37, -0.29, 0.21, 3.46
1WPA, TYR_481, 11.08, 0.34, 0.38, 0.36
1IDK, TYR_231, 11.09, 0, 0.56, 0.53
1E55, LYS_166, 10.34, -0.15, 0, -0.01
1WRU, ASP_78, 3.89, 0, 0, 0.09
3OOP, ARG_99, 13.71, -0.33, 0.95, 0.59
2WB3, ARG_242, 12.45, -0.05, 0, 0
1TP6, ARG_35, 12.9, -1.37, 1.06, 0.71
3I4T, LYS_148, 10.29, -0.21, 0, 0
2IDC, GLU_116, 4.36, 0.34, -0.38, -0.1
1JT9, TYR_184, 10.14, 0, 0, 0.14
2JHY, GLU_154, 4.38, 0.12, 0, -0.24
3HZQ, ASP_51, 4.81, 0, 0.39, 0.62
3JV1, ASP_98, 3.89, -0.05, 0.04, 0.1
3PU6, LYS_2, 10.31, -0.44, 0, 0.24
3H5T, GLU_261, 5.15, 0.52, 0, 0.12
3BQE, ASP_240, 3.06, -0.98, -0.17, 0.41
4F85, TYR_77, 10.38, -0.16, 0.08, 0.45
2RIK, GLU_169, 4.86, 0.38, 0, -0.01
2E3C, ARG_239, 12.37, -0.22, 0, 0.09
1HF8, LYS_40, 10.18, -0.18, 0, -0.14
3FHF, HIS_3, 6.24, -0.18, 0, -0.07
2G9D, ASP_118, 3.23, -0.5, -0.45, 0.39
2NRK, ASP_154, 3.03, -0.64, -0.42, 0.28
1GXN, TYR_648, 11.54, 0, -0.03, 1.56
2VGM, LYS_221, 10.35, -0.2, 0, 0.05
2RFA, LYS_63, 10.36, -0.24, 0, 0.1
3C6B, ASP_103, 3.33, -1.16, -0.31, 1.01
2EEY, GLU_9, 4.48, 0.06, 0, -0.08
1M5I, GLU_192, 3.94, 0.39, -0.74, -0.21
1ZCE, LYS_111, 10.45, -0.06, 0, 0.01
1WXF, GLU_252, 4.66, 0.78, -0.61, -0.01
1RHS, GLU_169, 4.6, 0.23, 0, -0.13
2R51, GLU_69, 4.36, 1.07, -0.51, -0.71
1TD6, TYR_256, 9.73, -0.81, 0.23, 0.3
1X7F, ARG_262, 12.98, -0.35, 0.25, 0.56
2Q12, GLU_239, 4.67, 0.17, 0, 0
3M9A, ARG_17, 12.67, -0.14, 0, 0.31
1Y0K, ASP_49, 3.14, -0.79, -0.43, 0.56
3PU6, ASP_130, 3.41, -0.73, 0, 0.34
3M7G, GLU_240, 4.65, 0.35, 0, -0.2
2OEW, LYS_101, 10.51, -0.26, 0, 0.26
1DTQ, LYS_177, 10.77, -0.1, 0, 0.37
1N81, TYR_108, 12.92, -0.6, 0, 3.51
2RJD, CYS_363, 11.47, -0.42, 0.35, 2.54
3BA1, LYS_306, 10.43, -0.12, 0, 0.05
2IQT, ASP_286, 4.26, 0, -0.09, 0.56
1ZCE, GLU_132, 2.32, 0.44, -1.92, -0.7
1T95, ARG_183, 12.22, -0.28, 0, 0
1AD6, GLU_554, 5.71, 1.09, 0, 0.12
3ERF, LYS_40, 11.5, -1.14, 1.24, 0.89
2ZTY, GLU_21, 4.29, 0.25, -0.46, 0
3ADO, TYR_35, 10.84, 0, 0.16, 0.68
4AM1, CYS_271, 12.07, -1.67, 1.5, 3.24
3UAH, TYR_220, 11.12, -0.01, 0.06, 1.07
2Q13, TYR_68, 10.44, 0, 0.16, 0.28
1K95, TYR_55, 10.17, 0, -0.12, 0.29
2IXM, HIS_127, 6.18, -0.3, 0, -0.02
3PZ9, ASP_64, 3.81, -0.28, -0.11, 0.4
2ZQ5, LYS_80, 11.45, -0.36, 0.85, 0.46
1J5X, ARG_52, 12.28, -0.36, 0, 0.14
2QVO, GLU_61, 4.68, 0.21, 0, -0.04
3EX9, ARG_65, 12.32, -0.23, 0, 0.05
3B79, CYS_79, 12.15, 0, 0.16, 2.99
3CIV, GLU_118, 5.03, 0.31, 0, 0.22
2BOJ, GLU_221, 4.53, 0.11, 0, -0.09
3G9G, GLU_165, 4.42, 0.1, 0, -0.18
3V46, LYS_263, 10.5, -0.27, 0, 0.27
2X5Y, HIS_737, 6.08, -0.38, 0, -0.04
1J5X, HIS_166, 3.6, -1.92, 0, -0.98
1DZF, GLU_21, 3.98, 2.08, -1.62, -0.98
1ZCE, GLU_66, 4.12, 0.94, -0.63, -0.69
3EX9, ARG_14, 12.36, -0.14, 0, 0
1BKR, HIS_60, 6.39, -0.34, 0, 0.23
1MML, ASP_124, 3.04, -0.32, -0.75, 0.31
2XWS, TYR_115, 10.11, 0, 0, 0.11
2G55, GLU_124, 5.07, 0.44, 0, 0.13
2QK1, HIS_378, 5.83, -0.51, 0, -0.17
1ZP2, GLU_91, 4.6, 0.1, 0, 0
2X4L, LYS_157, 11.5, -0.3, 0.85, 0.45
3K9I, TYR_124, 10.38, 0.2, 0, 0.18
3VJ8, TYR_46, 12.58, 0.85, 0.64, 1.09
3ERF, HIS_164, 6.44, -0.39, 0, 0.34
3V3T, GLU_170, 5.06, 0.83, -0.24, -0.02
2RJD, LYS_235, 10.26, -0.24, 0, 0
3GMS, TYR_276, 10.37, 0.21, 0.16
3KB5, GLU_344, 4.78, 0.24, 0, 0.05
2QK1, GLU_464, 4.72, 0.21, 0, -1.39E-17
2WB8, LYS_768, 10.47, -0.33, 0, 0.3
2R05, ASP_37, 3.48, -0.4, -0.22, 0.31
1KN3, LYS_148, 10.33, -0.17, 0, 0
1I60, HIS_200, 11.91, -3.24, 1.78, 6.86
1R2Z, ASP_103, 4.38, 0.28, 0.3
2RAQ, GLU_263, 4.21, 0.32, -0.6, -0.02
1MML, HIS_126, 6.44, -0.23, 0, 0.17
3IU5, ARG_79, 12.31, -0.2, 0, 0
2B78, HIS_254, 4.1, -3.04, 0.84, -0.2
1MIX, ARG_303, 12.43, -0.88, 0.3, 0.51
1X04, ASP_31, 3.77, -0.08, -0.11, 0.15
2O8I, GLU_96, 3.64, 0.47, -0.83, -0.5
2P1W, ARG_91, 12.09, -1.58, 0.53, 0.64
3ADO, LYS_130, 10.45, -0.15, 0, 0.1
3R3X, TYR_64, 10.65, -0.06, 0.12, 0.6
1DZF, ASP_41, 4.09, 0, 0.29
1LPL, ASP_192, 1.49, -2.28, -0.46, 0.44
3CX2, LYS_190, 10.63, -0.18, 0, 0.31
2R57, GLU_299, 4.66, 0.13, 0, 0.02
3DTE, TYR_246, 10.57, 0.28, 0.29
2OGQ, TYR_562, 11.76, -0.72, 0.56, 1.93
3HUE, LYS_76, 10.44, -0.07, 0, 0.02
2CWY, ARG_16, 12.58, -0.28, 0, 0.36
1T07, ARG_54, 12.32, -0.18, 0, 0
1J74, LYS_8, 10.39, -0.13, 0, 0.01
1RHS, GLU_227, 3.65, 0.33, -1.03, -0.16
2RJD, TYR_386, 10.56, 0.33, 0.23
1BYI, HIS_154, 6.3, -0.33, 0, 0.14
3UOV, TYR_66, 11.63, -0.02, -0.46, 2.11
2RIS, ARG_66, 10.72, -1.8, 0, 0.02
1GXN, TYR_412, 12.22, 0.83, 0.41, 0.98
3M7G, GLU_256, 4.4, 0.33, 0, -0.43
3BA1, LYS_178, 10.33, -0.27, 0, 0.11
2NSN, ASP_99, 3.96, 0, 0.16
1RLO, TYR_89, 11.37, 0, -0.09, 1.47
1YWS, ASP_90, 3.95, 0, 0, 0.15
2CXA, CYS_174, 11.74, 0, 0.03, 2.71
3BPP, ASP_188, 3.48, -0.67, -0.07, 0.42
3T5B, GLU_152, 4.67, 0.26, 0, -0.09
3PZ9, ASP_341, 4.34, 0, 0.18, 0.36
1EDG, LYS_127, 10.53, -0.32, 0, 0.35
1NJ4, LYS_273, 10.41, -0.12, 0, 0.03
4EF5, TYR_274, 10.22, 0, 0, 0.22
3EJG, ARG_93, 12.19, -0.33, 0, 0.02
4E9E, LYS_526, 10.72, -0.25, 0.03, 0.45
3V46, ARG_292, 13.38, -0.15, 0.55, 0.48
2AHE, TYR_154, 10.7, -0.85, 0.07, 1.48
1PVT, GLU_203, 4.08, 1.34, -1.12, -0.66
3U4K, TYR_152, 11.52, 0, 0, 1.52
2W0G, ARG_264, 13.22, -0.48, 0.32, 0.88
3H13, HIS_283, 6.73, -0.24, 0.48, 0
1WP5, GLU_266, 3.4, 0.49, -1.11, -0.48
2IXM, ASP_229, 3.87, 0, -0.14, 0.21
2QVT, ARG_43, 11.41, -1.27, 0, 0.18
2D0A, LYS_230, 10.41, -0.12, 0, 0.03
1J33, LYS_41, 10.02, -0.33, 0, -0.16
1T3Y, ARG_117, 13.2, -0.5, 0.62, 0.57
2X4L, GLU_136, 2.74, 0.58, -1.85, -0.49
3B4D, TYR_181, 10.44, 0.03, 0.4
3DHN, GLU_46, 4.47, 0.14, 0, -0.17
2OKT, LYS_314, 10.47, -0.16, 0, 0.13
1J7G, ASP_127, 3.28, -0.68, -0.07, 0.23
2EDM, GLU_112, 3.76, 0.42, -0.87, -0.3
3K8J, ARG_222, 12.23, -0.12, 0, -0.16
1BKB, GLU_16, 3.95, 0.26, -0.81, 0
2VCS, ASP_58, 3.14, -0.66, -0.38, 0.38
2D7U, ARG_227, 10.42, -1.89, 0, -0.18
2E3C, ARG_298, 12.27, -2.26, 0.54, 1.48
1T3J, LYS_707, 10.42, -0.08, 0, 0
1MJS, GLU_238, 4.71, 2.51, -1.38, -0.91
1W7B, LYS_233, 10.7, -0.23, 0, 0.43
2R05, LYS_72, 10.34, -0.21, 0.0, 0.06
1DZF, CYS_47, 10.09, 0, -0.02, 1.11
1I60, LYS_266, 11.49, -0.22, 0.83, 0.38
2FM9, HIS_226, 6.21, -0.59, 0.21, 0.1
3B79, TYR_118, 10.61, 0, 0, 0.61
2WB8, HIS_477, 6.06, -0.43, 0, -0.02
3HUE, LYS_172, 11.42, -0.31, 0.85, 0.38
3M3P, ARG_155, 12.15, -0.39, 0, 0.04
3ZSL, CYS_173, 12.57, 0.17, 3.39
1X04, ASP_128, 4, -0.41, 0, 0.61
3R3X, ARG_303, 12.33, -1.22, 0.46, 0.59
4H4J, LYS_247, 10.63, -0.22, 0.08, 0.27
2R57, GLU_498, 4.46, 0.35, -0.11, -0.2
3ASA, ASP_183, 2.31, -1.06, -0.71, 0.28
3N0K, TYR_8, 11.41, 0, 0.06, 1.35
3UOV, ARG_64, 12.14, -0.69, 0, 0.33
4EZB, GLU_146, 3.32, 1.03, -1.57, -0.63
1QZN, LYS_86, 11.52, -0.26, 0.85, 0.43
1R2Z, LYS_44, 10.46, -0.08, 0, 0.04
3IBT, ARG_198, 12.11, -2.02, 0.64, 0.99
3GE9, GLU_180, 4.85, 1.12, -0.53, -0.24
3CN5, HIS_62, 5.91, -0.61, 0, 0.02
3R2E, ARG_74, 13.12, -0.48, 0.7, 0.39
1L2F, GLU_7, 4.7, 0.14, 0, 0.06
2OBI, LYS_48, 10.35, -0.43, 0, 0.28
3OKQ, ASP_590, 3.42, -0.45, -0.31, 0.38
4E9E, ARG_492, 12.59, -0.33, 0, 0.42
3BQW, LYS_265, 10.74, -0.24, 0, 0.47
2D7J, TYR_68, 12.39, -0.01, 0.05, 2.35
2FL7, LYS_99, 10.66, -0.27, 0, 0.43
3T8R, GLU_34, 4.78, -0.27, 0, 0.01
4FD6, LYS_107, 10.42, -0.39, 0, 0.3
2X4L, ARG_320, 13.27, -3.31, 1.64, 2.43
3CJW, GLU_251, 6.64, 3.09, -0.41, -0.53
1L3K, GLU_126, 4.96, 0.33, 0, 0.14

2ZTY,HIS_177,5.8,-0.61,0,-0.09
 3U2A,ARG_69,12,-0.36,0,-0.14
 3T57,LYS_70,10.69,-0.2,0,0.39
 2IN0,ARG_82,12.76,-0.33,0,0.07,0.52
 1UX0,TYR_57,10.43,0,0.08,0.35
 4FZR,CYS_175,11.19,0,0.43,1.77
 1Z3X,GLU_-1,4.77,0.67,-0.53,0.13
 1X7F,GLU_51,4.67,0.24,0,-0.08
 3KB5,ARG_401,12.22,-0.28,0,0
 1XTZ,LYS_243,10.12,-0.83,0,0.44
 1PV5,GLU_177,4.55,0.05,0,0
 2X4G,HIS_67,6.34,-0.27,0,0.11
 2IRM,GLU_42,4.58,0.29,0,-0.2
 2FBQ,ASP_107,1.99,-2.8,-0.46,1.45
 3L3P,LYS_266,10.65,-0.18,0,0.32
 2NRR,HIS_472,6.22,-0.22,0,-0.06
 3GE9,ARG_172,12.06,-0.16,0.21,0.4
 2HNG,ARG_109,12.54,-0.19,0,0.24
 4DND,ASP_44,3.99,0,-0.01,0.2
 3PBH,HIS_28,6.1,-1.01,0.71,-0.09
 2R57,CYS_223,11.92,0,0.49,2.43
 3H9W,GLU_58,4.75,0.12,0,0.13
 1BKB,LYS_42,10.45,-0.05,0,0
 2RIS,LYS_187,10.54,-0.16,0,0.2
 2IDC,GLU_120,3.44,0.23,-1,-0.29
 3BWT,LYS_591,10.54,-0.06,0,0.11
 2X4J,GLU_112,4.42,0.41,-0.47,-0.02
 1DVO,ASP_145,3.12,-1.35,0,0.68
 1ZBM,ARG_222,12.95,-0.16,0.21,0.4
 1U53,LYS_101,10.83,-0.22,0.21,0.33
 2ILR,LYS_499,10.63,-0.27,0.08,0.31
 3B7X,ASP_41,4.08,0,-0.22,0.5
 1ZBP,CYS_242,10.04,0,0.13,0.92
 3GEC,GLU_506,4.73,0.23,0,0
 3KEY,LYS_417,10.38,-0.16,0,0.04
 1NAR,ARG_271,12.35,-0.11,0,-0.04
 1WLY,ARG_48,11.58,-1.04,0,0.11
 1ZKZ,GLU_36,4.4,0.39,-0.13,-0.36
 3GW3,HIS_360,5.33,-0.86,0,-0.31
 1SFE,ASP_43,3.18,-1.12,0.07,0.43
 4H4J,GLU_138,6.37,1.85,0,0.02
 3GOZ,ASP_250,3.03,-0.53,-0.59,0.35
 1YW5,HIS_130,6.88,-0.76,0.8,0.36
 2RJD,LYS_330,10.05,-0.18,0,-0.27
 3CCY,ARG_136,12.64,-0.45,0.34,0.25
 2DFL,LYS_87,9.99,-0.39,0,-0.12
 2CIU,TYR_204,10.43,-0.15,-0.34,0.92
 3O16,ARG_19,12.6,-0.65,0.32,0.43
 2FD5,ASP_3,2.32,-1.94,-0.01,0.46
 1YTQ,ASP_172,2.78,-1.39,0,0.37
 3H13,CYS_345,10.71,-0.26,-0.2,2.16
 3FWU,ASP_44,3.18,-0.92,-0.11,0.41
 3GS3,HIS_76,6.23,-0.26,0,0
 3EVP,LYS_75,10.28,-0.21,0,0
 2V1L,TYR_50,10.62,-0.78,0.38,1.02
 2PLQ,ARG_2,13.04,-0.36,0.27,0.62
 2FC3,LYS_24,11.38,-0.34,0.85,0.37
 3ADO,CYS_78,9.91,-0.42,-0.06,1.38
 1NIJ,ASP_46,3.69,-0.57,0.06,0.4
 1T95,ASP_30,3.36,-1.19,-0.06,0.82
 1YM5,LYS_124,10.73,-0.26,0,0.5
 1ZP2,TYR_63,12.91,0.83,0.59,1.49
 4EVF,LYS_142,10.26,-0.67,0,0.43
 1GPP,GLU_16,4.45,0.36,-0.49,0.09
 3PP8,HIS_230,4.9,-2.05,0.61,-0.17
 3P28,HIS_100,5.02,-1.58,0,1.0
 1OI7,GLU_281,4.53,0.25,0,-0.21
 1VJG,ARG_137,13.42,-0.32,0.85,0.4
 3LMO,GLU_21,4.06,0.29,-0.7,-0.03
 3H6Q,GLU_139,4.48,0.37,0,-0.38
 2QHT,GLU_191,4.61,0.1,0,0.01
 2R51,TYR_41,10.75,0,0.04,0.7
 1W24,GLU_125,4.34,0.19,0,-0.36
 3NOK,GLU_106,4.56,0.12,0,-0.06
 3LJN,ARG_47,12.26,-0.24,0,0
 3JZN,TYR_280,10.44,0,-0.15,0.58
 2PGX,GLU_76,4.23,1.69,-1.53,-0.43
 1UJ8,ARG_20,13.86,-0.53,1.13,0.77
 2P52,ASP_183,2.34,-1.93,-0.6,1.07
 3LH5,ASP_780,2,-2.23,-0.52,0.95
 1TXJ,HIS_123,5.72,-0.78,0,-0.01
 2OJQ,HIS_516,5.72,-0.78,0,0
 2Q07,ASP_375,3.31,-0.8,-0.03,0.33
 2OKT,HIS_338,5.94,-0.32,0,-0.24
 3FWU,HIS_104,6.3,-0.2,0,0
 1WXQ,TYR_368,10.01,0,-0.27,0.29
 1T95,ARG_19,12.87,-0.22,0.3,0.29
 3LMO,CYS_16,10.85,0,0.63,1.22
 3C38,TYR_185,9.49,-0.57,-0.46,0.51
 3LQE,GLU_447,4.86,0.68,-0.27,-0.05
 1XWM,ASP_61,4.16,0.04,0,0.32
 3GS3,LYS_95,10.48,-0.41,0.01,0.39
 2ATR,GLU_137,4.54,0.04,0,0
 1EV8,ASP_193,3.66,0,-0.29,0.15
 2APL,HIS_23,7.26,-0.82,0.85,0.73
 2CL3,GLU_127,4.42,0.79,-0.44,-0.43
 3ONH,ASP_514,2.99,-2.01,-0.05,1.26
 1DVO,ASP_167,1.98,-1.29,-0.9,0.36
 3L3P,GLU_486,4.57,0.3,0,-0.23
 3IRA,HIS_54,6.25,-0.59,0.37,-0.02
 1PNE,GLU_46,2.84,1.49,-3.15,0
 1DZF,HIS_153,5.55,-1.57,0.55,0.07
 3R2E,ARG_86,12.26,-0.27,0,0.02
 3IV4,GLU_46,4.67,0.15,0,0.02
 3CX5,LYS_2,10.46,-0.04,0,0
 1V6T,HIS_223,6.62,-1.79,0.03,1.89
 2AD1,TYR_281,12.08,0,0.04,2.04
 1XFK,HIS_28,5.69,-0.56,0.09,-0.33
 3U0V,ARG_80,12.09,-2.68,0.14,2.15
 1OGL,HIS_38,6.96,-0.29,0.37,0.38
 2IRM,LYS_125,11.3,-0.85,0.67,0.99
 3VJ8,ASP_159,3.88,-0.11,-0.05,0.25
 2P4D,ASP_91,4.07,0,0.09,0.19
 3RRQ,GLU_84,4.49,0.12,0,-0.13
 2V5W,GLU_168,6.66,3.19,-0.74,-0.3
 3GT0,TYR_49,9.74,-0.62,-0.39,0.74
 1O5T,HIS_445,5.12,-2.02,0.71,-0.07
 1MD6,GLU_40,4.6,0.22,0,-0.12
 1T95,ASP_47,4.1,0,0.04,0.25
 3C38,TYR_262,11.76,-0.1,-0.06,1.92
 3I47,HIS_25,6.03,-0.37,0,-0.1
 1X9G,LYS_75,10.46,-0.07,0,0.04
 2EJX,HIS_99,5.86,-1.58,0.73,0.2
 3QAV,ASP_136,3.28,-0.43,-0.57,0.48
 2F8H,ARG_25,12.85,-0.98,0.53,0.8
 1RLO,LYS_211,10.25,-0.28,0,0.03
 1TXJ,GLU_35,4.77,2.73,-2.19,-0.27
 3UC9,GLU_99,4.58,0.3,0,-0.22
 1RKA,GLU_200,4.7,0.16,0,0.04
 1SIG,TYR_430,11.29,-0.52,0.08,1.71
 4E8B,HIS_8,6.65,-1.29,1.22,0.21
 2EJB,HIS_108,4.59,-1.84,0,-0.07
 2IDC,ARG_174,12.53,-0.11,0,0.14
 3RE9,ASP_150,3.33,-0.89,0,0.43
 3OA7,ARG_505,12.49,-0.13,0,0.12
 1P4X,CYS_61,10.83,0,-0.05,1.87
 4DIU,ARG_135,13.63,-0.38,1.1,0.41
 2ZCX,LYS_80,10.38,-0.43,0,0.31
 3BWT,ASP_834,3.43,-1.52,-0.02,1.17
 1BYI,GLU_211,4.61,0.11,0,0
 3VHJ,HIS_114,5.95,-0.56,0,0.01
 2E3C,ASP_334,3.3,-0.65,-0.12,0.27
 1ZCU,HIS_28,5.45,-1.05,0,0
 3IO0,LYS_210,10.14,-0.32,0,-0.04
 4DVD,HIS_92,6.15,-0.35,0,0
 4EUG,GLU_52,3.78,0.87,-1.54,-0.04
 1Q8B,GLU_94,4.56,0.25,0,-0.19
 3RLN,LYS_594,10.58,-0.05,0,0.13
 1NIJ,ASP_290,3.5,-0.45,0.04,0.12
 1MD6,ARG_9,12.69,-0.2,0,0.39
 2Q13,LYS_160,10.47,-0.19,0,0.16
 3NOK,LYS_71,10.19,-0.32,0,0.01
 2I6I,ARG_25,12.24,-0.26,0,0
 2XWS,GLU_97,3.03,0.51,-1.45,-0.52
 1AT0,GLU_268,3.72,0.43,-0.82,-0.38
 1O59,LYS_261,10.76,-0.42,0.25,0.44
 1XWM,GLU_202,4.17,1.07,-0.84,-0.56
 2R51,GLU_254,3.6,0.44,-0.64,-0.69
 2RJD,CYS_264,10.33,0,-0.02,1.35
 2B3M,ARG_77,12.46,-0.04,0,0
 1PDB,ARG_77,12.38,-0.17,0,0.05
 2APL,HIS_71,6.52,-0.48,0,0.5
 1FHL,TYR_319,10.36,0.21,0,14
 2EJB,GLU_66,5.01,0.98,-0.25,-0.23
 1XDZ,ARG_147,12,-2.56,0.65,1.4
 3QYB,LYS_958,10.59,-0.16,0.26,0
 1R3F,ARG_34,12.42,-0.08,0,0
 3G6S,TYR_196,11.44,0.04,1,1.03
 1X9G,HIS_59,5.55,-1.03,0.11,-0.04
 2AXO,LYS_66,11.14,-0.3,0.72,0.23
 3BWT,TYR_839,9.83,-0.05,-0.36,0.23
 3JRT,ASP_5,3.95,-0.06,0,0.21
 1UW7,ASP_50,4.06,0,-0.13,0.4
 1SFE,TYR_115,11.37,0.03,1.07
 3FFM,GLU_110,4.89,0.39,0,0
 2W0G,LYS_154,11.27,-0.46,0.85,0.38
 1EYH,ARG_91,12.14,-0.4,0,0.03
 3LJN,GLU_178,4.1,0.92,-0.39,-0.93
 2FG1,HIS_119,4.16,-2.13,0,-0.21
 2JEO,ASP_93,3.54,-0.93,-0.29,0.96
 4H4J,ASP_104,3.68,0,-0.3,0.18
 3PBH,ARG_41,13.86,-3.62,1.43,3.55
 1YOK,LYS_124,10.41,-0.09,0,0
 3VJ8,ARG_279,12.87,-0.58,0.83,0.12
 1G8P,TYR_234,11.02,0,-0.12,1.14
 2QOP,ARG_105,12.9,-0.46,0.4,0.46
 3M16,HIS_54,7.54,-0.43,0.85,0.61
 3GFP,ASP_310,3.63,-0.72,-0.25,0.8
 2E3C,GLU_238,4.32,0.47,-0.52,-0.13
 2ZQ5,HIS_363,6.49,-0.1,0,0.09
 3M7D,ARG_304,12.77,-0.24,0.08,0.43
 1NIJ,GLU_239,5.11,0.29,0,0.32
 2Q34,TYR_125,13.6,0.67,2.93
 4ECC,ARG_121,12.35,-0.24,0,0.09
 1MXF,TYR_337,11.43,0,0.61,0.82
 2XHC,LYS_62,10.48,-0.12,0,0.09
 1HLW,GLU_35,3.44,0.39,-0.81,-0.64
 1G8P,GLU_136,4.88,0.46,0,-0.09
 2EDM,LYS_75,10.24,-0.34,0,0.08
 1ZKZ,ARG_110,12.12,-0.52,0,0.14
 1PBV,ASP_75,3.47,-0.51,-0.19,0.37
 3RFF,ARG_121,12.8,-0.29,0.09,0.5
 2AHS,GLU_155,4.03,0.32,-0.79,0
 3H04,CYS_96,10.62,0.0,19,1.44
 3MIX,ARG_616,12.52,-0.15,0,0.17
 2WZ9,TYR_80,10.66,-0.33,-0.44,1.43
 1UOH,HIS_78,4.49,-2.7,0.8,-0.11
 1SUU,ASP_631,4.57,0,-0.03,0.8
 1OTM,TYR_96,10.38,0,0.07,0.31
 2X4L,GLU_323,5.99,3.55,-1.27,-0.79
 3M3P,LYS_97,10.13,-0.4,0,0.03
 3ERF,GLU_62,4.66,0.12,0,0.04
 1RKA,HIS_157,6.32,-0.33,0,0.15
 3F6F,HIS_51,6.18,-0.5,0.25,-0.07
 3FHF,ARG_121,12.46,-0.09,0,0.05
 1XDZ,ASP_136,3.92,0,-0.02,0.14
 3AU3,GLU_425,4.9,0.36,0,0.05
 3OKQ,LYS_561,10.28,-0.22,0,0
 2YWJ,LYS_113,11.36,-0.31,0.77,0.41
 3CNU,ASP_48,2.33,-1.74,-0.18,0.45
 2AHE,LYS_103,11.22,-0.32,0.37,0.67
 2G9D,LYS_134,10.17,-0.85,0,0.51
 1JT9,LYS_124,9.71,-0.82,0,0.03
 4FH3,LYS_125,2.6,0.86,0,-0.11
 1MD6,ASP_142,3.52,-0.46,0,0.17
 3PZ9,TYR_318,13.48,-0.82,0.7,3.6
 2RFA,GLU_100,3.75,0.22,-0.6,-0.37
 3RRQ,ARG_114,11.99,-0.27,0,-0.24
 1DZF,ASP_159,3.92,0,-0.06,0.18
 2X4L,LYS_218,10.3,-0.14,0,-0.06
 2B0A,ASP_114,4.15,0.04,0.31
 2OEW,LYS_327,10.45,-0.05,0,0
 1U7U,ASP_203,3.59,-0.56,-0.38,0.73
 1UCH,LYS_72,10.27,-0.3,0,0.08
 1A8Q,ASP_178,3.19,-0.83,-0.17,0.38
 2X4L,LYS_218,10.3,-0.14,0,-0.06
 1LTU,HIS_41,5.71,-0.89,0,0.11
 3NR5,HIS_69,7.45,-0.35,0.85,0.45
 2WB8,CYS_487,11.28,-0.28,-0.02,2.6
 1YB2,GLU_137,4.69,0.19,0,0
 1QOE,ASP_139,4.28,0,-0.08,0.55
 2Z0M,LYS_179,10.76,-0.43,0.23,0.46
 1NJ4,LYS_219,10.6,-1.22,0.71,0.61
 3F1X,ARG_50,11.68,-2.26,0.7,0.74
 3G9T,CYS_64,9.64,-1.09,-0.13,1.86
 1A8Q,TYR_47,10.6,-0.02,-0.28,0.91
 2G55,ASP_172,2.99,-1.69,-0.22,1.1
 3I4T,TYR_239,9.88,-0.38,-0.38,0.64
 3U2R,GLU_96,4.57,0.07,0,0
 1DTO,HIS_0.5,93,-0.16,0,-0.41
 2AZP,ARG_152,12.98,-0.24,0.34,0.38
 2G9D,ASP_18,3.53,-0.56,0.14,0.15
 2RIS,ARG_106,11.26,-1.43,0,0.19
 2RGY,CYS_124,9.3,0,0.02,0.28
 2XHC,LYS_111,10.9,-0.77,0.67,0.5
 2OJQ,ASP_572,3.95,0,-0.14,0.28
 2RGY,HIS_234,7.1,-0.4,0.85,0.16
 4DND,LYS_79,10.44,-0.06,0,0
 3GMS,TYR_200,10.48,0.0,16,0.31
 3I4T,TYR_288,3.94,0.22,-0.78,0
 2EFK,GLU_119,3.44,0.42,-0.81,-0.67
 3B21,GLU_141,3.99,0.24,-0.75,0
 2BDV,ARG_165,12.06,-1.18,0.25,0.49
 4FZR,CYS_216,12.44,-0.39,0.89,2.93
 3RAZ,ARG_136,12.32,-0.42,0,0.25
 4ETX,ARG_252,12.59,-0.15,0,0.24
 3GS3,CYS_46,10.32,-0.01,0.23,1.11
 1CBY,GLU_192,3.66,1.31,-1.01,-1.13
 2CYG,ASP_230,3.12,-1.58,-0.16,1.06
 3BPV,ARG_87,12.39,-0.11,0,0
 3DHN,ASP_59,3.95,0,-0.03,0.18
 1SNT,HIS_239,6.67,-0.92,0.85,0.23
 3BCH,CYS_163,12.8,-0.06,0.03,3.84
 2NRR,GLU_486,3.61,0.98,-1.36,-0.51
 3JZ9,LYS_461,10.39,-0.16,0,0.04
 3UX2,ASP_42,3.47,-0.46,-0.27,0.4

4EKU,GLU_220,4.61,0.1,0,0,0.01
 3K8U,HIS_87,5.67,-1.48,0.76,-0.11
 1V43,LYS_113,10.41,-0.1,0,0,0.01
 3GA2,CYS_192,11.52,-0.75,0.13,3.15
 2BQQ,ASP_75,3.79,0,-0.14,0.13
 1N81,ARG_185,13.73,-2.79,0.76,3.24
 2F8H,CYS_102,13.74,-0.14,1.74,3.14
 3CXS,ARG_181,12.45,-0.05,0,0
 1QZN,ASP_99,3.31,-0.36,-0.33,0.2
 3HUE,HIS_242,7.17,-0.3,0.76,0.21
 1N81,ARG_70,11.86,-0.6,0,-0.03
 1GXN,LYS_440,10.24,-0.37,0,0.12
 2XMZ,LYS_81,10.23,-0.48,0,0.21
 2IDC,LYS_168,10.23,-0.19,0,-0.08
 3IPZ,GLU_162,4.97,0.26,0,0.21
 3IRA,GLU_594,1.8,0.82,-0.85,-0.29
 3GEC,LYS_514,9.94,-0.53,0,-0.02
 1WXQ,TYR_244,13.32,0.72,0.14,2.45
 2IRM,TYR_62,11.63,-0.85,-0.07,2.56
 2ILR,GLU_300,3.54,0.27,-0.85,-0.38
 2QHT,LYS_182,10.53,-0.21,0,0.23
 3BQE,LYS_315,10.78,-0.35,0.21,0.42
 1NAR,LYS_233,10.44,-0.06,0,0
 4H86,LYS_81,10.67,-0.21,0,0.38
 2ZOM,GLU_266,4.74,0.15,0,0.09
 2Z84,LYS_198,11.47,-0.37,0.67,0.66
 3ASA,ARG_69,12.33,-0.42,0,0.24
 2AD1,LYS_70,9.65,-1.81,0.45,0.51
 3DSH,GLU_392,4.67,0.27,0,-0.1
 2CWY,GLU_34,4.88,0.25,0,0.14
 1WXQ,ARG_373,12.09,-0.97,0,0.56
 3UAH,GLU_467,4.95,0.35,0,0.08
 2OJQ,ARG_469,12.34,-0.35,0,0.19
 3F1X,ARG_293,12.41,-0.2,0,0.11
 3I47,HIS_182,5.5,-1,0,0
 3GFP,TYR_308,10.93,0,0.06,0.88
 3IVF,ARG_277,12.43,-0.08,0,0.01
 2P4D,ASP_80,2.45,-1.84,0,0.48
 3HST,ASP_337,3.95,0,-0.03,0.18
 2HRZ,TYR_103,10.66,0.06,0,0.6
 3LD1,ARG_100,13.74,-0.36,1.13,0.47
 1TJE,ASP_26,3.13,-0.85,-0.25,0.43
 1GSZ,HIS_162,6.78,-0.67,0.85,0.1
 1TJE,ASP_64,3.86,-0.86,0.21,0.72
 1DOV,HIS_231,6.25,-0.3,0.03,0.02
 1HF8,GLU_162,4.59,0.14,0,-0.04
 1ZYL,LYS_292,10.33,-0.22,0,0.01
 3ODJ,TYR_93,12.28,-1.12,0.45,2.95
 1PBV,ARG_218,12.8,-0.29,0,0.59
 3ON1,LYS_78,10.15,-0.13,0,-0.22
 2XHC,LYS_230,11.08,-0.72,0.26,1.04
 3CGW,ARG_208,12.4,-0.78,0.12,0.56
 3EIZ,LYS_149,10.33,-0.22,0,0.06
 1PSW,LYS_263,10.35,-0.34,0,0.18
 3JZ9,ASP_395,2.32,-1.18,-0.7,0.4
 4F3J,TYR_151,12.83,0.17,0.59,2.07
 1RI6,GLU_189,4.74,0.25,0,-0.01
 1QQE,GLU_254,4.71,0.12,0,0.1
 2IRM,CYS_41,9.16,0,-0.12,0.28
 1XIP,LYS_24,10.94,-0.63,0.69,0.38
 2B78,TYR_124,9.1,-0.97,-2.44,2.51
 2PWQ,ASP_118,3.39,-0.24,-0.36,0.19
 2CXA,GLU_137,4.61,0.14,0,-0.02
 2QQZ,TYR_53,11.25,0.04,0.81,0.84
 3CBN,ASP_49,4.14,-0.24,0.2,0.38
 3B21,LYS_175,10.72,-0.32,0,0.54
 2ZCO,GLU_264,4.66,0.2,0,-0.03
 3GS3,LYS_97,10.61,-0.33,0,0.45
 1R53,LYS_19,10.47,-0.04,0,0
 2RFA,GLU_55,4.83,0.35,0,-0.01
 2D7U,ASP_148,3.23,-0.67,-0.38,0.49
 2EDM,ASP_132,3.49,-0.68,-0.07,0.43
 3U56,ASP_110,3.67,0,-0.33,0.2
 2ZCO,GLU_193,4.39,0.17,0,-0.28
 3F7M,ARG_320,12.43,-0.07,0,0
 4ESS,LYS_91,10.49,-0.46,0,0.45
 2RJD,GLU_204,4.56,0.06,0,0
 4FCU,HIS_220,6.25,-0.88,0.25,0.38
 1X04,ASP_158,3.82,-0.13,-0.02,0.17
 3V55,ARG_576,12.31,-0.59,0,0.4
 3MIX,ARG_650,12.62,-0.08,0,0.2
 3LQE,TYR_399,10.25,0.13,0.12
 2B2H,TYR_57,10.28,-0.85,0.1.13
 3RFY,TYR_333,10.66,0.1,0.38,0.17
 2G7O,GLU_72,4.64,0.14,0,0
 1SNT,ARG_123,13.75,-0.9,0.9,1.24
 1X1E,ARG_34,12.5,-0.2,0,0.2
 1TD6,ASP_202,3.89,0,-0.09,0.18
 3I4T,LYS_166,10.49,-0.01,0,0
 3E0H,ASP_121,4.18,0.0,0.15,0.23
 3H6Q,ARG_160,11.92,-1.18,0.02,0.57
 1UAI,HIS_244,6.31,-0.32,0.08,0.05
 3GYW,TYR_71,9.87,-0.31,0,0.19
 3M70,TYR_218,10.39,-0.08,-0.22,0.69
 4HDE,GLU_184,4.01,0.24,-0.72,0
 1OLR,GLU_194,4.59,0.26,0,-0.17
 3PZ9,LYS_304,10.47,-0.18,0,0.16
 2JHY,ASP_183,2.26,-2.27,-0.42,1.15
 2OB5,GLU_98,4.87,0.58,0,-0.21
 3H13,LYS_249,10.42,-0.08,0,0
 2GZQ,HIS_43,6.61,-1.11,1.03,0.19
 3LPZ,ASP_86,2.49,-1.69,-0.18,0.58
 3EAZ,HIS_134,6.38,-0.37,0,0.25
 3BQW,HIS_187,5.65,-1.02,0,0.17
 3A2Z,ASP_34,3.49,-0.74,0,0.43
 2Y2T,LYS_52,10.36,-0.14,0,0
 3I0O,HIS_104,6.28,-0.22,0,0
 3B79,GLU_58,4.17,0.32,-0.42,-0.23
 3VJ8,ARG_119,12.55,-0.22,0,0.27
 2ZCX,HIS_187,6.25,-0.25,0,0
 1UW7,ARG_39,12.84,-0.51,0.46,0.4
 1XEU,LYS_173,10.19,-0.27,0,-0.04
 3GE9,HIS_75,6.13,-0.44,0,0.07
 1Z9L,GLU_5,4.59,0.1,0,-0.01
 3PM2,LYS_79,10.47,-0.09,0,0.06
 1DVO,GLU_157,3.84,0.21,-0.91,0.05
 2G55,GLU_14,4.73,0.26,0,-0.04
 2HXB,ASP_45,2.68,-1.67,0,0.55
 1WXQ,GLU_184,4.93,0.31,0,0.12
 1MIX,GLU_335,4.69,0.49,-0.08,-0.22
 3JSN,LYS_157,10.81,-0.82,0.69,0.44
 1PVT,GLU_46,4.25,0.15,0,-0.39
 1X9G,GLU_81,4.69,0.29,0,-0.1
 1JKS,LYS_121,10.47,-0.35,0,0.33
 3CBN,HIS_104,6.32,-0.52,0,0.35
 1TR9,ARG_323,12.49,-0.09,0,0.08
 2W2S,HIS_74,5.65,-0.44,0,-0.41
 3DTE,ASP_33,3.26,-0.85,-0.2,0.51
 3LMO,GLU_26,4.0,0.33,-0.74,-0.09
 3BJV,GLU_35,3.87,0.37,-0.65,-0.35
 3AU3,CYS_520,10.57,-0.73,0.07,2.23
 1Q46,GLU_98,4.85,0.3,0,0.05
 3O7K,ARG_124,12.04,-0.58,0,0.13
 3FTT,TYR_20,9.95,-0.78,-0.01,0.75
 1O3X,ASP_204,3.23,-0.47,-0.36,0.25
 3M7G,ARG_187,12.28,-0.3,0,0.09
 3CAX,ARG_173,12.15,-0.35,0,0
 1LFP,ARG_30,11.73,-1.48,0.02,0.69
 3JSN,ASP_237,3.62,-0.64,-0.21,0.66
 3M7G,ASP_75,3.35,-0.72,-0.14,0.41
 1RI6,CYS_194,13.21,-0.12,0.79,3.54
 2IQT,LYS_28,10.22,-0.11,0,-0.16
 4AF2,GLU_98,3.68,0.5,-0.94,-0.38
 2G7O,ARG_119,12.35,-0.15,0,0
 2C13,ARG_148,13.78,-0.35,0.91,0.74
 1WP5,TYR_62,12.31,0,0.09,2.22
 2Z61,LYS_156,11.72,-0.78,1.11,0.89
 3F1X,ASP_104,3.51,-0.33,0,0.05
 1X6J,GLU_70,3.6,0.42,-0.7,-0.62
 1N81,HIS_44,5.7,-1.1,0,0.3
 1OTM,ASP_134,2.55,-1.54,0,0.3
 1IAP,ARG_158,12.13,-0.49,0,0.11
 4DBL,ASP_203,3.41,-0.72,-0.21,0.54
 2YLF,ASP_38,3.1,-0.51,-0.46,0.27
 2I88,ASP_429,3.04,-0.85,-0.42,0.5
 4EKU,GLU_101,3.68,0.83,-0.85,-0.79
 4E8B,CYS_142,9.87,-0.83,-0.32,2
 1R3D,ARG_14,12.44,-0.21,0,0.16
 2WB3,GLU_292,4.63,0.13,0,0
 2X4L,ASP_100,3.94,0,0,0.14
 2CYG,TYR_168,10.22,0.04,0.18
 4ETX,TYR_195,10.3,-0.85,0.1.15
 1MML,GLU_176,4.5,0.33,-0.03,-0.31
 1X8F,ASP_281,4.07,-0.17,0,0.44
 3VJ8,LYS_248,11.46,-0.29,0.71,0.54
 3RRQ,GLU_46,3.66,0.46,-0.85,-0.45
 4FH3,ASP_131,4.77,0.25,0,0.02
 1NIJ,LYS_58,10.18,-0.57,0,0.25
 3M66,HIS_231,6.57,-0.62,0.79,-0.1
 1X8F,ARG_226,12.34,-0.27,0,0.11
 4H89,ASP_112,3.5,-0.77,-0.16,0.63
 2XMZ,ARG_93,9.56,-3.04,0,0.09
 1BKX,CYS_30,10.81,-0.15,0.12,1.85
 1C44,LYS_67,10.83,-0.49,0.55,0.27
 1HUF,LYS_75,10.58,-0.37,0,0.46
 3OOP,LYS_97,10.59,-0.24,0,0.35
 2EOT,ASP_202,3.31,-0.85,0,0.36
 2AD1,ARG_145,12.52,-0.21,0,0.22
 2BCF,ARG_222,12.88,-0.34,0.35,0.37
 3H04,ARG_117,14,-0.73,1.34,0.89
 1CBY,TYR_53,10.4,0,0,0.4
 2IF4,LYS_262,10.69,-0.17,0,0.35
 3EVN,LYS_321,10.14,-0.36,0,0
 1PF2,ARG_201,12.46,-0.09,0,0.05
 4EWF,ARG_249,13.41,-1.58,1.28,1.21
 3GEC,LYS_378,11.16,-0.61,0.85,0.41
 1KW4,GLU_76,4.66,0.25,0,-0.08
 3GW3,ARG_122,12.56,-0.35,0,0.41
 1XTZ,GLU_55,4.17,0.66,-0.85,-0.14
 1X1E,ASP_55,3.42,-0.82,0.04,0.41
 2OSA,GLU_300,4.6,0.17,0,-0.07
 2B3M,LYS_141,10.9,-0.19,0,0.6
 4F85,GLU_142,4.47,0.17,0,-0.2
 3CS1,LYS_59,11.05,-0.29,0.45,0.39
 2FG1,GLU_136,3.66,0.46,-0.85,-0.45
 3BA1,ARG_154,13.03,-0.2,0.35,0.38
 3N2T,HIS_201,5.45,-0.6,0,-0.46
 1H09,TYR_220,10.07,0,-0.05,0.11
 1X1E,GLU_38,4.48,0.1,0,-0.13
 3QAV,ASP_221,2.52,-1.44,-0.86,1.02
 2R51,ARG_22,12.49,-1.45,0.86,0.58
 1TLV,ASP_151,3.14,-1.08,-0.31,0.73
 1RI5,ARG_158,12.62,-0.31,0.02,0.41
 1Q46,LYS_105,11.03,-0.5,0.54,0.48
 4H89,GLU_31,4.44,0.26,0,-0.33
 1RL0,ARG_69,12.09,-0.9,0,0.49
 1JYH,CYS_130,11.76,-0.22,0.24,2.75
 2RJD,GLU_475,4.58,0.71,-0.41,-0.22
 3O16,GLU_117,4.68,0.2,0,-0.01
 2YWJ,GLU_14,4.92,0.37,0,0.04
 3V3T,TYR_160,13.01,-0.2,0.3.21
 3I0U,ARG_189,10.72,-0.18,-0.42,1.32
 1AIL,LYS_67,10.25,-0.26,0,0.01
 1O0X,LYS_55,10.35,-0.42,0,0.28
 3B4D,ASP_170,3.04,-0.52,-0.57,0.33
 2B0J,HIS_294,6.02,-0.24,0,-0.23
 3ULX,LYS_129,10.6,-0.3,0.02,0.37
 2P0L,ASP_22,3.24,-0.83,0,0.27
 2IF4,ASP_286,3.54,-1.11,-0.96,1.82
 1G8P,GLU_305,4.94,0.74,0,-0.29
 2H2Z,HIS_172,5.55,-1.98,0.69,0.33
 1LN4,ARG_68,12.45,-0.24,0,0.19
 1P4X,GLU_125,4.48,0.13,0,-0.15
 2QVO,ARG_67,12.48,-0.26,0,0
 3H04,GLU_229,3.87,0.46,-0.7,-0.39
 1YTD,ARG_243,11.29,-1.59,0,0.37
 4H89,HIS_158,6.23,-0.35,0,0.08
 3V75,GLU_111,4.58,0.24,-0.16
 1OI7,ARG_18,12.31,-0.29,0,0.09
 2I88,LYS_377,10.23,-0.27,0,-1.91E-17
 1ZBP,GLU_18,5.01,0.31,0,0.2
 3GEC,HIS_247,6.61,-0.09,0,0.2
 3OKQ,ASP_568,4.15,0.09,0.26
 3GT0,GLU_137,4.0,0.28,-0.77,-0.02
 3F5D,HIS_117,5.27,-2.01,0.8,-0.02
 2H01,GLU_146,4.53,0.26,0,-0.23
 1Z9L,LYS_85,10.42,-0.07,0,-0.01
 4ETX,ARG_323,12.26,-0.9,0.23,0.44
 3EZZ,GLU_186,4.02,0.36,-0.83,-0.01
 3CS1,ARG_88,12.59,-0.27,0,0.37
 2YX0,TYR_309,12.52,-0.07,-0.72,3.31
 2FD4,GLU_482,4.79,0.3,0,-0.01
 3LE4,HIS_312,6.12,-0.38,0,0
 2P4D,TYR_88,10.15,0,-0.15,0.3
 3I47,GLU_167,3.93,0.36,-0.85,-0.08
 1JYH,LYS_28,10.23,-0.32,0,0.04
 3ODJ,ASP_47,4.11,0,0,0.32
 2FB6,ASP_5,3.75,0,-0.41,0.37
 3PU6,GLU_28,4.73,0.26,0,-0.03
 2WOZ,GLU_577,4.5,0.32,-0.1,-0.22
 1U7U,ARG_321,12.49,-1.48,0.72,0.75
 3M7G,CYS_68,12.24,-0.06,-0.59,3.89
 2YWK,LYS_38,11.59,-0.27,0.82,0.55
 3BPB,TYR_38,10.76,0,0.21,0.55
 1ZBM,ASP_221,2.79,-1.21,-0.21,0.41
 1YW5,HIS_72,3.61,-2.89,0,0.01
 1NIJ,TYR_233,11.05,0,-0.26,1.32
 3IV4,LYS_68,10.55,-0.11,0,0.16
 1EDG,LYS_280,10.6,-0.07,0,0.17
 3RFY,ASP_144,4.27,0.31,-0.37,-0.17
 3GE9,ASP_125,3.49,-0.63,-0.03,0.35
 3G9G,TYR_19,10.61,0,0.33,0.28
 1P6F,LYS_20,10.4,-0.48,0,0.39
 1ZBM,LYS_215,11.74,-0.39,0.84,0.78
 1ZCE,LYS_144,10.56,-0.27,0,0.33
 2XJ4,TYR_159,13,-0.85,0,3.85
 3L3P,ARG_340,12.5,-0.21,0,0.21
 2RIK,GLU_187,5.04,0.48,0,0.06
 1BGF,ARG_110,12.41,-0.11,0,0.02
 3M70,LYS_285,9.84,-0.82,0,0.15
 4GCO,ARG_164,12.41,-0.21,0,0.12
 1SJ8,GLU_632,5.91,1.81,-0.3,-0.1
 3RJZ,LYS_141,10.34,-0.34,0,0.19
 2XWS,GLU_30,3.59,0.29,-0.85,-0.35
 4FD6,ARG_44,12.36,-0.14,0,0
 3VJ8,GLU_261,3.2,1.84,-2.29,-0.84

2R57,CYS_332,11.41,0.0,0.28,2.14
 3I47,LYS_195,10.43,-0.09,0.0,0.02
 3IBT,ASP_88,3.85,0,-0.17,0.22
 2OGQ,GLU_398,4.08,0.37,-0.73,-0.06
 4FH3,GLU_329,4.58,2.69,-1.66,-0.95
 2H2W,GLU_245,5.34,2.09,-0.32,-0.94
 2OPJ,TYR_55,10.37,0,0.13,0.24
 2VGM,LYS_64,9.59,-0.59,0,-0.32
 2OSA,ASP_327,2.71,-1.53,-0.02,0.46
 2OEW,GLU_273,5.3,2.07,-0.75,-0.51
 2POL,GLU_145,4.63,0.13,0,0
 1J85,GLU_143,2.68,1.2,-2.4,-0.62
 1E55,LYS_124,9.85,-0.65,0,0
 2OOK,GLU_105,4.8,0.24,0,0.06
 2YX0,LYS_190,10.64,-0.14,0,0.28
 2FPN,GLU_101,4.49,0.34,0,-0.35
 3M66,ARG_71,11.22,-1.08,0,-0.2
 2H30,LYS_104,10.56,-0.34,0,0.4
 1L2F,ASP_70,3.46,-0.74,0,0.39
 2RIS,LYS_46,9.87,-0.71,0,0.09
 1L3K,GLU_35,4.65,0.43,0,-0.28
 2Q13,ASP_122,2.59,-1.91,-0.88,1.57
 3CXS,TYR_151,9.89,0,-0.66,0.55
 1T6L,ARG_32,13.31,-0.39,0.82,0.38
 3ETU,ASP_56,3.85,0,-0.16,0.22
 3BWT,GLU_803,5.07,1.47,-0.51,-0.39
 4D8L,ASP_160,3.19,-0.5,-0.33,0.22
 3OOPLYS_133,10.44,-0.06,0,0
 3BPP,TYR_87,13.32,0,0.75,2.58
 2Q5X,GLU_739,3.94,0.19,-0.75,0
 2DVK,ARG_43,11.94,-0.76,0,0.19
 2AZL,GLU_157,4.52,0.2,-0.18
 1SUU,LYS_607,10.5,-0.09,0,0.08
 2H85,CYS_102,10.03,-1.25,0.52,1.77
 2B0J,TYR_213,11.33,0,0.42,0.91
 2G9D,CYS_60,12.01,0,0.33,2.67
 1WRU,ASP_95,2.83,-1.15,-0.48,0.66
 3JV1,GLU_179,4.54,0.11,-0.08,0
 3EUR,LYS_96,10.62,-0.13,0,0.25
 3ADO,LYS_51,11.3,-0.23,0.76,0.26
 4AM1,LYS_175,10.37,-0.17,0,0
 2YLF,GLU_210,4.55,0.26,0,-0.2
 3QAV,GLU_212,4.59,0.09,0,0
 1ZBM,ASP_65,3.09,-0.77,-0.33,0.39
 1KCM,ASP_234,2.12,-2.42,-0.26,1.01
 1L3K,LYS_52,10.4,-0.09,0,-0.01
 1Q46,TYR_38,12.63,-0.51,0.99,2.16
 2X4G,TYR_144,10.5,-0.12,-0.5,1.12
 1FHL,TYR_295,13.22,-0.85,0.2,3.88
 2OGQ,CYS_405,9.99,-0.36,0.16,1.18
 1X1E,ARG_16,12.24,-0.5,0,0.23
 1MML,GLU_171,4.78,0.65,0,-0.37
 1FKM,TYR_466,9.59,-0.57,-0.25,0.41
 1R3D,HIS_240,5.55,-3.07,0.85,1.27
 2RIK,TYR_259,13.13,0.93,2.21
 2J8A,GLU_334,5.04,0.8,0,-0.26
 1TD6,TYR_75,10.24,0,0.08,0.16
 1S7K,CYS_155,9.75,0,0.27,0.47
 1Q8B,LYS_26,10.53,-0.22,0,0.24
 3UPD,ARG_320,10.27,-2.85,0,0.61
 1ZP2,LYS_154,10.53,-0.09,0,0.12
 3AUF,GLU_8,4.25,0.77,-0.57,-0.44
 2APL,HIS_55,6.59,-0.38,0,0.37
 1EDG,ARG_208,11.26,-2.34,0.38,0.72
 1YB,LYS_220,10.23,-0.27,0,0
 3JZN,GLU_325,4.86,1.13,-0.54,-0.23
 3TMO,GLU_204,4.69,0.5,-0.06,-0.24
 1WYC,GLU_41,3.66,2.04,-1.24,-1.64
 1DZF,ARG_155,12.38,-1.81,0.75,0.94
 3M7G,ARG_151,13.04,-2.16,1.53,1.16
 3PAC,LYS_161,10.28,-0.72,0,0.5
 4AF2,GLU_140,4.39,0.31,-0.38,-0.04
 3M3P,HIS_248,6.15,-0.35,0,0
 2O8P,ARG_11,13.78,-1.08,1.51,0.86
 1GPP,GLU_415,3.95,0.29,-0.54,-0.31
 1XTZ,LYS_155,10.63,-0.15,0,0.29
 2QRX,ASP_164,3.03,-0.93,-0.32,0.49
 2RJD,CYS_205,8.89,-0.22,0,0.11
 1ZBM,ASP_64,3.9,-0.5,0.03,0.58
 3EJG,LYS_158,10.69,-0.23,0,0.42
 3CS1,LYS_22,10.68,-0.34,0,0.52
 3F7M,HIS_119,5.87,-0.99,0.35,0.01
 1R16,TYR_103,10.96,0.0,21,0.73
 2ZTY,ARG_33,12.36,-0.28,0,0.14
 3EIZ,LYS_147,10.49,-0.02,0,0.01
 1ZBM,LYS_249,10.9,-0.12,0.19,0.34
 2R51,ARG_95,12.44,-0.06,0,0
 3IL3,ARG_151,12.54,-0.23,0,0.27
 2WB8,GLU_541,5.68,1.42,0,-0.24
 2Q12,TYR_190,10.03,0,-0.08,0.11
 2O0K,ARG_321,10.47,-2.14,0,0.11
 3M70,GLU_200,4.54,0.29,0,-0.25
 1DTO,ARG_7,12.38,-0.23,0,0.11
 3QKY,ARG_114,12.42,-1.22,0.09,1.06
 3CN5,ASP_191,2.9,-0.85,-0.45,0.4
 2P0Y,LYS_12,10.54,-0.21,0,0.25
 2P52,LYS_136,10.33,-0.17,0,0
 4E9E,TYR_530,11.51,0.85,0.24,0.42
 2EEY,HIS_20,6.38,-0.12,0,0
 1SJV,ASP_114,3.66,-0.12,-0.14,0.11
 1X8F,ASP_16,3.84,-0.32,-0.3,0.65
 3KEY,ASP_469,3.83,0,-0.34,0.37
 3IV4,ASP_92,3.21,-0.85,-0.32,0.59
 3ELI,LYS_26,9.77,-1.05,0,0.32
 1WRU,GLU_266,3.86,1.18,-0.5,-1.33
 1BKB,GLU_34,4.47,0.27,0,-0.3
 2P65,ARG_27,12.2,-0.75,0,0.45
 3N0K,LYS_13,10.14,-0.33,0,-0.02
 3RKC,CYS_74,8.8,-3.6,0.47,2.92
 3CIV,ARG_237,12.24,-0.4,0,0.14
 2FC3,GLU_21,4.24,0.43,-0.22,-0.49
 1RZ2,ARG_68,12.21,-2.1,0.71,1.1
 1IAP,ARG_161,13.16,-1.13,1.11,0.68
 1UXO,GLU_169,3.98,1.16,-1.46,-0.21
 1WXF,LYS_193,9.5,-0.97,0,0.01
 3V8H,LYS_45,10.3,-0.21,0,0.02
 3BCH,CYS_148,13.46,-0.1,0.69,3.87
 3IOO,GLU_175,4.83,0.49,0,-0.15
 2NRK,TYR_88,11.52,0,-0.32,1.84
 2EFK,GLU_37,4.65,0.28,0,-0.14
 2WB3,TYR_340,10.4,0.0,0.08,0.32
 1X04,GLU_220,4.52,0.19,0,-0.17
 2XMZ,LYS_205,10.14,-0.36,0,0
 1UJ8,ARG_39,13.29,-0.18,0.59,0.38
 1SUU,ARG_771,12.56,-0.2,0,0.28
 3KB5,ASP_459,3.61,-0.42,-0.72,0.94
 3IVF,LYS_58,11.08,-0.17,0.24,0.52
 1QQL,GLU_60,4.89,0.31,0,0.07
 1TR9,ARG_18,12.22,-0.34,0,0.06
 1WXF,GLU_20,4.69,0.21,0,-0.02
 3EUR,TYR_30,10.49,0,0.11,0.39
 2JHY,GLU_106,2.22,0.63,-2.26,-0.64
 4F85,GLU_266,4.14,0.79,-0.82,-0.32
 2G55,TYR_45,10.29,0,0.19,0.1
 1GXN,ARG_481,12.97,-0.61,0.73,0.35
 3ETU,TYR_97,11.88,-0.03,-0.11,2.02
 3CAX,ARG_158,12.36,-0.59,0,0.45
 2H2Z,TYR_118,10.28,-0.86,0.11,1.04
 3ASA,GLU_194,4.38,0.14,0,-0.26
 1GQE,TYR_24,10.12,0,-0.24,0.36
 1J7G,LYS_116,10.53,-0.18,0,0.21
 1PSW,GLU_346,4.48,1.72,-0.71,-1.04
 2YQZ,ARG_32,13.78,-0.28,0.49,0.47
 2APL,ARG_84,13.33,-0.22,0.39,0.65
 2YT4,TYR_597,10.49,0,0.02,0.47
 2OB5,ASP_6,1.83,-2.33,-0.66,1
 4DEZ,ARG_129,12.37,-0.69,0.01,0.54
 3BWT,GLU_818,3.7,0.65,-1.09,-0.36
 1ZBP,GLU_267,4.96,0.18,0,0.29
 2YWK,GLU_6,3.64,0.46,-0.99,-0.32
 2ILR,LYS_478,11.34,-0.24,0.67,0.41
 1PV5,HIS_204,6.52,-0.5,0,0.53
 2O8P,GLU_44,4.73,0.23,0,0
 1CHD,HIS_224,6.4,-0.86,0.74,0.02
 3LJC,ASP_35,3.57,0.31,-0.85,-0.4
 1Q2Y,LYS_116,10.39,-0.11,0,0
 2CN1,ARG_45,12.29,-0.92,0,0.72
 4EKU,GLU_182,4.84,4.64,-1.49,-2.81
 4EVF,LYS_18,10.27,-0.22,0,-0.01
 1H0J,ASP_205,3.27,-0.96,-0.25,0.69
 3LH9,ASP_61,3.83,-0.05,-0.12,0.2
 1X1E,LYS_62,10.63,-0.09,0,0.22
 2OGQ,GLU_401,5.03,0.57,0,-0.04
 3H13,GLU_461,3.7,0.33,-1.12,0
 2QRX,ARG_117,12.22,-0.71,0,0.43
 3KVO,ARG_112,11.43,-1.1,0,0.03
 2NYC,ASP_312,4.26,0,-0.2,0.65
 2RIK,GLU_133,4.77,0.18,0,0.09
 2H2W,GLU_117,4.75,0.22,0,0.03
 4DEZ,ASP_117,3.39,-0.32,-0.26,0.16
 4DND,GLU_66,4.75,0.14,0,0.11
 3L3P,ASP_505,3.95,0,0.15
 1F2V,ARG_191,12.28,-0.26,0,0.05
 3NBI,GLU_36,4.68,0.18,0,0
 3V1Q,ARG_560,12.56,-0.39,0,0.45
 3M7G,GLU_161,3.49,0.68,-1.07,-0.61
 1LPL,ARG_212,12.01,-0.67,0,0.18
 3I4T,TYR_3,10.63,0,0.23,0.39
 3RZ2,GLU_33,4.51,0.69,-0.42,-0.25
 1PBV,TYR_235,10.71,0,-0.02,0.73
 1PBV,TYR_186,11.98,0.84,0.5,0.63
 1OXZ,ARG_265,12.35,-0.16,0,0.01
 1UW7,ARG_111,12.43,-0.07,0,0
 2GYZ,ASP_24,3.92,0,-0.08,0.2
 3I4T,ARG_220,12.27,-0.8,0.06,0.51
 3K8U,TYR_37,10.43,0,0.14,0.29
 1AD6,GLU_533,4.46,0.19,0,-0.23
 3HUE,ASP_194,2.96,-1.17,-0.23,0.57
 1SI7,ASP_221,2.9,-1.12,-0.38,0.6
 2FB6,ASP_76,4.27,0,0.13,0.34
 3ERF,LYS_223,10.33,-0.18,0,0.02
 2WB3,ARG_268,12.45,-0.05,0,0
 3V75,HIS_182,5.52,-0.88,0,-0.11
 2AD1,ASP_185,3.71,-0.03,-0.35,0.29
 2QK1,ARG_497,13.26,-0.37,0.73,0.4
 1XTD,ASP_131,3.18,-0.85,-0.29,0.52
 1WXF,ARG_140,12.06,-0.59,0,0.16
 1TWU,TYR_84,10.69,0.21,0.47
 2FC3,GLU_113,3.58,0.31,-0.85,-0.38
 2QZQ,LYS_115,10.4,-0.1,0,0
 4EZB,CYS_64,9.3,-0.03,0.1,0.24
 1FQI,HIS_391,6.46,-0.63,0.19,0.4
 2IXM,LYS_249,10.47,-0.1,0.0,0.06
 1YTD,ASP_19,3.44,-0.78,0,0.42
 3N2T,GLU_74,3.75,0.37,-0.61,-0.5
 4GCO,GLU_152,4.23,0.23,-0.16,-0.34
 1L2H,CYS_71,11.35,-0.85,0,3.2
 2W0G,GLU_184,5.19,0.84,-0.02,-0.13
 1SNT,CYS_272,12.14,-0.11,-0.52,3.77
 2H2W,HIS_182,4.89,-2.37,0.65,0.11
 2O8P,TYR_190,9.99,0,-0.2,0.19
 4DNU,ASP_182,4.26,0,-0.02,0.49
 2XMZ,LYS_225,10.08,-0.25,0,-0.18
 1K95,ARG_75,12.57,-0.3,0,0.37
 2FPN,ASP_69,2.48,-1.8,-0.1,0.58
 3GS3,HIS_210,6.18,-0.44,0.08,0.04
 3B7X,GLU_23,2.24,0.36,-2.13,-0.48
 3CRM,ARG_80,12.11,-0.39,0,0
 1M5I,ASP_147,4.04,0,-0.31,0.55
 1WXF,TYR_185,11.44,0,0.37,1.07
 3ZXY,GLU_191,4.62,0.22,0,-0.1
 1SI7,ARG_335,11.78,-2.19,0,1.47
 1UAJ,ARG_114,13,-0.93,0.71,0.73
 3NR5,HIS_05,6.1,-0.25,0,-0.65
 3RLN,ARG_751,13.3,-0.53,0.72,0.61
 1KN3,GLU_36,4.57,0.17,0,-0.1
 2EHG,LYS_93,10.3,-0.2,0,0
 3VJ8,TYR_339,10.44,0,-0.22,0.66
 1R7J,TYR_40,10.22,0,-0.25,0.47
 3GE9,LYS_218,10.93,-0.27,0.3,0.41
 1O0X,GLU_79,4.56,2.87,-1.65,-1.17
 2D7U,ASP_168,3.47,-0.31,-0.39,0.38
 4E8B,ARG_74,13.63,-0.29,0.98,0.44
 2XMZ,HIS_33,5.84,-2.86,1.37,0.83
 1I60,HIS_59,6.69,-0.3,0.26,0.23
 3M7D,ARG_231,13.47,-1.56,1.57,0.96
 2ZCX,ASP_195,2.54,-1.73,0,0.47
 3M16,HIS_159,7.45,-0.81,0.95,0.8
 2CL3,ASP_72,4,0,-0.08,0.28
 1BYI,HIS_164,6.34,-0.16,0,0
 3M7D,ASP_160,4.05,0,0.05,0.2
 3E5T,ARG_10,12.64,-0.11,0,0.24
 3GS9,GLU_195,4.5,0,0,0
 2RGY,ASP_225,3.91,-0.48,-0.24,0.82
 1TLV,HIS_237,6.49,-0.15,0,0.13
 2EJB,ARG_118,12.4,-0.11,0,0.01
 1OXZ,LYS_250,10.1,-0.23,0,-0.17
 3LOD,ASP_141,3.99,0,0.19
 3I4T,TYR_187,11.5,0,0.15,1.35
 1XEU,GLU_284,4.66,0.16,0,0
 2BV9,ASP_78,3.77,-0.66,-0.19,0.81
 2YT4,ARG_670,13.31,-0.15,0.62,0.34
 2IQ7,GLU_129,3.12,0.71,-1.62,-0.48
 2Q98,HIS_97,6.16,-0.75,0,0.4
 1SQW,GLU_123,4.6,0.17,-0.03,-0.04
 2YYO,GLU_26,3.67,0.46,-0.83,-0.47
 2A0J,LYS_53,10.32,-0.29,0,0.11
 1XWM,TYR_159,10.97,0,0.24,0.74
 3GOZ,LYS_249,11.2,-0.21,0.53,0.38
 3IV4,TYR_65,11.14,0.61,0.04,0.48
 2V5B,LYS_157,10.51,-0.07,0,0.08
 2HXB,LYS_6,11.17,-0.16,0.35,0.49
 3GA2,TYR_233,10.85,0,0.12,0.73
 1DVO,TYR_133,11.35,-1.02,-0.39,2.75
 3EAZ,HIS_84,5.82,-1.57,0.85,0.04
 2OEW,CYS_127,13.1,-0.1,0.33,3.87
 3Q6L,LYS_101,10.33,-0.27,0,0.1
 3V3T,TYR_68,9.98,0,-0.17,0.15
 1O6D,GLU_107,4.52,0.1,0,-0.08
 3V75,GLU_69,3.16,0.71,-1.55,-0.5
 3M3P,ARG_227,13.33,-0.37,0.81,0.39
 2ZCO,TYR_214,10.43,-0.09,-0.08,0.6
 1DOV,LYS_120,11.16,-0.44,0.85,0.26
 1EYH,ARG_124,12.99,-0.48,0.53,0.43
 3HUE,TYR_319,10.3,0.21,0.09
 1R16,CYS_131,12.29,-0.56,0.26,3.6

3RLE,GLU_24,4.47,0.12,0,-0.15
 1AD6,ARG_445,10.84,-1.7,0,0.04
 2BDD,CYS_33,8.55,-0.82,-0.1,0.49
 4FZR,HIS_84,5.19,-0.93,0,-0.37
 3H13,GLU_434,3.99,0.47,-0.67,-0.32
 1X04,GLU_170,4.59,0.23,0,-0.14
 4FD6,LYS_145,9.68,-0.71,0,-0.11
 1X04,LYS_150,10.21,-0.31,0,0.02
 3COU,GLU_91,3.34,0.44,-1.21,-0.39
 2IDC,ARG_148,12.24,-0.26,0,0
 2QDJ,GLU_54,4.13,0.48,-0.59,-0.27
 1ANU,LYS_98,11.49,-0.31,0.74,0.57
 1GQE,HIS_281,6.34,-0.32,0,0.17
 4F85,GLU_279,4.82,0.24,0,0.08
 3ON1,LYS_51,11.18,-0.4,0.52,0.55
 2FM9,ARG_100,12.4,-0.39,0.09,0.2
 3ADZ,GLU_97,3.81,1.92,-1.72,-0.89
 3QKY,TYR_214,12.46,0.45,0.44,1.56
 3EX9,GLU_137,4.72,0.91,0,-0.7
 1ZCE,LYS_49,10.03,-1,0.12,0.41
 1Y2Q,ASP_96,4.07,-0.08,-0.41,0.75
 1R3F,ASP_186,4.94,0,0,13,1.02
 3N2T,ARG_7,12.35,-0.17,0,0.02
 1QYI,TYR_276,10.69,0,0.33,0.37
 4F3J,ARG_110,11.16,-1.63,0,0.29
 1X9G,GLU_58,5.13,1.3,-0.74,0.07
 1QQL,HIS_124,6.24,-0.23,0,-0.03
 2BQQ,TYR_58,10.91,-0.08,-0.31,1.3
 3A2Z,GLU_61,4.19,4.25,-2.95,-1.6
 2AD1,HIS_109,2.61,-3.37,0,-0.52
 1XIP,GLU_320,4.84,0.36,0,-0.02
 3GYW,TYR_259,10.35,0,-0.04,0.39
 2YWJ,ASP_149,3.53,-0.23,-0.23,0.2
 3GMS,TYR_22,9.67,-0.3,-0.3,0.27
 4H4J,LYS_182,9.86,-0.68,0,0.03
 4E8B,GLU_53,3.69,0.33,-0.72,-0.41
 1GXN,TYR_575,11.6,-0.83,-0.14,2.57
 4AM1,LYS_189,10.38,-0.12,0,0
 1SUU,ARG_520,11.93,-0.57,0,0
 1T6L,GLU_138,4.5,0,0,0
 2WB3,LYS_306,10.48,-0.02,0,0
 1U7U,LYS_318,10.33,-0.12,0,-0.05
 1WOU,LYS_78,10.33,-0.16,0,0
 1LTU,ASP_79,3.36,-0.91,-0.29,0.75
 2FZ4,GLU_66,4.37,0.51,-0.39,-0.26
 3ADO,ASP_114,2.65,-1.44,-0.41,0.69
 1X1E,LYS_160,10.5,-0.12,0,0.17
 3BQW,LYS_251,9.54,-0.78,0,-0.18
 4H86,GLU_80,4.54,0.15,0,-0.12
 3HOX,LYS_13,10.46,-0.04,0,0
 3TOW,ASP_83,3.51,-0.75,-0.13,0.59
 2VGM,GLU_234,3.5,0.89,-1.35,-0.54
 3GG6,TYR_72,11.76,0.04,-0.34,2.07
 3GT0,LYS_48,11.26,-0.24,0.62,0.39
 3F5D,LYS_50,10.4,-0.1,0,0.01
 4DEZ,HIS_7,4.66,-2.93,0.85,0.23
 2Q13,TYR_161,10.77,0.01,0.5,0.27
 1U3Y,ARG_281,12.86,-0.96,0.8,0.52
 3TIR,ARG_89,12.51,-0.07,0,0.08
 2H14,HIS_310,4.67,-1.91,0,0.07
 2FXT,ASP_336,3.8,0,-0.26,0.26
 1SI7,TYR_9,10.76,0,-0.33,1.09
 4ESS,ARG_159,12.74,-0.79,0.77,0.27
 3LE4,GLU_301,4.79,0.33,0,-0.04
 4FCU,GLU_81,3.74,1.15,-1.43,-0.47
 2AXO,TYR_114,11.25,-0.27,-0.18,1.71
 3RFY,LYS_378,10.15,-0.34,0,0
 1YOK,GLU_75,4.29,0.5,-0.28,-0.43
 2OSA,LYS_275,10.33,-0.19,0,0.02
 4EVF,ASP_53,2.34,-1.72,-0.81,1.07
 1PGV,ARG_255,12.47,-0.26,0,0.23
 2Q34,LYS_226,10.47,-0.16,0,0.13
 2E3H,ARG_298,12.24,-0.41,0,0.15
 350A,TYR_46,12.61,0.0,0.17,2.43
 3ANJ,HIS_113,5.27,-0.86,0,-0.36
 3CE7,GLU_45,5.02,0.5,-0.03,0.05
 1FQI,GLU_419,4.53,0.09,0,-0.06
 1TUL,ASP_31,3.73,-0.16,-0.27,0.35
 1TWU,LYS_134,10.42,-0.08,0,0
 2FD5,ARG_115,12.38,-0.25,0,0.12
 2DG7,GLU_9,4.83,0.64,0,-0.31
 3PM2,TYR_67,10.76,-0.79,0.51,1.04
 1M5I,ASP_209,3.08,-1.01,-0.3,0.58
 2ZTY,GLU_71,5.88,1.68,0,-0.31
 1YB2,ARG_145,12.45,-0.11,0,0.06
 4AM1,TYR_203,10.14,0,-0.16,0.3
 2O0K,HIS_24,6.13,-0.98,0.21,0.41
 3D9H,ASP_224,3.41,-0.81,-0.05,0.47
 2NMU,GLU_117,3.96,2.27,-2.14,-0.68
 2O4D,ARG_112,13.44,-0.25,0.65,0.54
 2P4D,LYS_130,10.43,-0.07,0,0
 3R2E,ASP_31,3.59,-0.75,-0.25,0.79
 1R5S,TYR_18,12.15,0.4,0.82,0.94
 4EUG,ARG_179,13.6,-0.49,1,0.59
 2H85,HIS_95,4.33,-2.26,0,0.09
 3PM2,LYS_119,10.5,-0.07,0,0.06
 1Z3X,ASP_204,2.57,-1.6,-0.04,0.42
 3ODJ,HIS_65,5.02,-1.43,0,-0.05
 1Y0K,ARG_31,12.67,-0.83,0.57,0.42
 2P0L,GLU_76,4.97,0.38,0,0.09
 3J5N,ASP_186,3.96,0,0,0.16
 3T57,GLU_245,4.18,0.24,-0.48,-0.08
 1OXZ,GLU_220,4.26,0.4,-0.34,-0.3
 3J5N,LYS_155,10.99,-0.36,0.06,0.79
 3L3P,HIS_355,6.51,-0.22,0,0.23
 2D2S,ASP_651,3.99,0,0,0.19
 1TXD,GLU_866,3.51,0.28,-0.85,-0.41
 3A0X,TYR_680,10.07,0,0.02,0.05
 2WB8,ASP_707,3.92,-0.62,-0.18,0.91
 3TR8,ASP_113,4.12,0.07,0.26
 3EJC,LYS_38,10.45,-0.05,0,0
 3ETV,GLU_63,4.5,0.33,0,-0.32
 2O0K,GLU_208,5.56,1.44,0,-0.38
 1TLV,GLU_255,4.59,0.09,0,0
 3GMS,ASP_106,3.99,-0.18,-0.04,0.41
 3G59,ASP_101,3.36,-0.42,-0.31,0.29
 2AZL,GLU_266,3.78,0.49,-0.8,-0.41
 1K95,GLU_67,4.84,0.32,0,0.02
 1PGV,GLU_350,4.64,0.23,0,-0.09
 2EYI,LYS_79,10.3,-0.1,0,-0.1
 2A1V,LYS_118,10.34,-0.11,0,-0.04
 2I8H,TYR_396,13.08,0,0.3,2.78
 3OOP,LYS_115,10.41,-0.09,0,0
 2OBI,LYS_20,10.38,-0.12,0,0
 2OKT,LYS_2,10.48,-0.16,0,0.14
 2YWJ,GLU_17,4.35,0.27,0,-0.42
 3C5V,ARG_222,12.63,-0.24,0,0.37
 2RH3,LYS_148,10.42,-0.08,0,0
 1XEU,CYS_141,9.45,0,0.07,0.38
 2WOG,HIS_211,4.32,-2.27,0.78,-0.69
 2Q98,ARG_129,11.74,-0.66,0,-0.09
 1Q8B,LYS_21,10.57,-0.16,0,0.23
 1IAP,HIS_80,4.78,-2.55,0.83,0
 3E0H,ASP_122,3.91,0,-0.15,0.26
 1X91,ASP_61,1.93,-2.34,-0.06,0.52
 2HXB,LYS_15,10.31,-0.14,0,-0.05
 3H5T,GLU_77,5.86,4.02,-1.46,-1.21
 2XMX,GLU_60,4.68,0.25,0,-0.07
 2PGE,ASP_95,3.87,0,-0.12,0.19
 2P65,ASP_85,2.37,-2,0,0.57
 3GW3,LYS_15,10.34,-0.11,0,-0.06
 2G9D,GLU_306,4.65,0.15,0,0
 3U0V,TYR_401,11.42,0.0,0.32,1.1
 1O5J,LYS_42,10.41,-0.09,0,0
 3ZSL,ARG_162,12.44,-0.83,0.42,0.36
 3DSH,ASP_309,4.19,0,0.18,0.2
 3LD1,CYS_60,9.72,-0.08,0.01,0.79
 2BDD,GLU_152,4.71,0.12,0,0.09
 3Q6L,LYS_108,11,-0.37,0.25,0.62
 3M16,GLU_275,4.55,0.24,0,-0.19
 1R53,ARG_337,12.45,-0.05,0,0
 1MUS,GLU_305,3.87,0.38,-0.85,-0.16
 2ILR,CYS_345,12.32,-0.01,-0.06,3.39
 2YX0,ARG_283,12.44,-0.13,0,0.07
 1ANU,LYS_128,10.42,-0.08,0,0
 3I82,ASP_170,3.93,0,0,0.13
 2RIS,LYS_16,10.38,-0.47,0,0.35
 2GKG,ASP_55,3.26,-0.75,-0.38,0.59
 3NR5,ASP_124,3.03,-0.85,-0.48,0.56
 1MTZ,GLU_97,4.2,1.07,-0.85,-0.51
 3LQE,ASP_431,11.44,-2.51,0.42,1.01
 3RE9,TYR_239,11.53,0.36,0.59,0.58
 2DG7,GLU_18,4.74,0.34,0,-0.1
 3RFY,LYS_189,10.66,-0.14,0,0.3
 4DVD,LYS_139,10.47,-0.03,0,0
 3BPV,ARG_44,12.2,-0.2,0,-0.1
 1DOV,ARG_30,12.33,-0.17,0,0
 2E3C,GLU_218,4.61,0.19,0,-0.08
 2V4U,ARG_453,11.74,-0.98,0.1,0.12
 3IL3,GLU_170,4.52,0.09,0,-0.08
 1UXO,GLU_111,3.1,0.64,-1.66,-0.38
 2PLQ,ASP_68,3.22,-0.9,-0.06,0.39
 2GZQ,TYR_153,11.6,0.81,0.17,0.63
 3PAC,ASP_66,3.85,-0.05,-0.06,0.17
 2R51,LYS_143,10.64,-0.25,0,0.4
 2WOZ,HIS_337,4.76,-2.34,0.56,0.04
 2P5D,TYR_65,12.58,0,0.3,2.28
 2BLI,GLU_397,4.35,0.44,-0.32,-0.28
 2BV9,GLU_238,4.18,0.46,-0.44,-0.34
 2D8N,TYR_32,10.74,0.03,0.71
 2BQQ,TYR_64,10.02,0,-0.12,0.13
 2BT8,ASP_283,3.8,0,-0.28,0.28
 3FFM,GLU_159,5.24,0.43,0,0.3
 2IRM,GLU_345,4.71,0.17,0,0.04
 1QQH,ASP_126,3.97,0,0,0.17
 4ACJ,ARG_657,13.6,-0.93,1.38,0.66
 4FLE,TYR_116,11.96,-0.05,0.07,1.94
 1X1E,HIS_101,1.88,-2.85,0.81,-2.57
 2BQQ,ASP_93,2.09,-1.85,-0.4,0.54
 3M66,LYS_415,10.49,-0.1,0.0,0.09
 3MTT,ASP_566,3.68,-0.11,-0.3,0.3
 4EVF,TYR_214,11.45,0.31,1.14
 3RJZ,TYR_22,10.22,0,-0.32,0.54
 3HKX,ASP_44,4.41,0,0.1,0.52
 3KB5,HIS_337,6.28,-0.59,0.02,0.34
 4FH3,ASP_254,3.87,-0.28,-0.1,0.44
 1KCM,LYS_105,10.54,-0.13,0,0.17
 3DSH,ARG_247,12.26,-0.36,0,0.11
 1SUU,ASP_763,3.08,-1.49,-0.55,1.32
 1V43,HIS_343,6.11,-0.39,0,0
 2H14,GLU_151,5.27,0.45,0,0.32
 3AU3,GLU_477,4.87,1.22,-0.81,-0.05
 3ZTA,ASP_113,3.22,-0.53,-0.53,0.49
 2C2Y,HIS_215,5.82,-0.53,0,-0.15
 2WB8,CYS_467,12.29,0,0.39,2.9
 2B2H,LYS_292,10.35,-0.15,0,0
 2QVT,GLU_79,3.56,0.43,-1.05,-0.33
 3F1X,HIS_30,5.73,-0.45,0,-0.32
 3IBT,TYR_212,11.8,0,-0.08,1.88
 2JEO,LYS_58,10.53,-0.14,0,0.17
 1JKS,ARG_54,12.36,-0.14,0,0.14
 1YR6,LYS_80,10.48,-0.39,0,0.38
 1MTZ,ASP_187,3.91,0,-0.01,0.13
 4AM1,LYS_38,11.35,-0.38,0.85,0.38
 1N81,TYR_125,11.27,0.0,1.1,1.17
 1KCM,ARG_147,13.07,-0.49,0.28,0.78
 2A6B,LYS_83,10.12,-0.17,0,-0.21
 3F53,ARG_268,13.06,-0.32,0.19,0.68
 1YTD,ASP_216,3.77,-0.52,-0.13,0.62
 1QQL,ARG_47,12.69,-0.4,0.04,0.55
 2Q13,LYS_212,10.43,-0.08,0,0.01
 1O5T,ARG_318,12.55,-0.23,0,0.28
 1AD6,ARG_556,12.48,-0.29,0,0.27
 157K,TYR_166,10.26,0.02,0.25
 2EJX,CYS_40,10.83,0.28,1.55
 3CAN,CYS_77,9.66,-0.42,-0.37,1.45
 1AM2,GLU_155,5.52,1.63,-0.12,-0.5
 1FKM,LYS_407,10.26,-0.52,0,0.28
 3BCH,ARG_120,13.49,-0.28,0.8,0.48
 2Q99,TYR_169,12.41,0.85,0.03,1.53
 4AF2,ARG_66,13.4,-0.44,0.94,0.4
 2IF4,HIS_73,5.72,-0.93,0,0.15
 3IOO,TYR_249,10.36,0,0,0.36
 3UX2,GLU_64,4.97,0.32,0,0.14
 1X7F,ASP_61,3.78,0,-0.33,0.32
 3RLE,ARG_30,12.22,-0.02,0,0
 4E9E,ARG_512,11.01,-1.42,0,-0.07
 3AUF,ARG_104,12.15,-0.52,0,0.17
 2IRM,HIS_175,6.37,-0.49,0.09,0.26
 2E0T,ASP_135,3.22,-0.85,-0.19,0.46
 3CGW,GLU_24,4.08,0.37,-0.53,-0.27
 3CE7,GLU_96,3.71,0.41,-0.85,-0.35
 1Q5Z,GLU_573,4.02,0.59,-0.85,-0.22
 3BCY,LYS_112,10.1,-0.47,0,0.07
 1DCF,HIS_49,6.28,-0.39,0.03,0.15
 1J33,LYS_18,10.76,-1.08,0.79,0.55
 2IF4,ASP_281,3.76,-0.31,0.03,0.25
 3OKQ,GLU_654,4.84,0.21,0,0.12
 3NZL,CYS_66,10.03,-0.03,0,1.06
 2OSA,ARG_403,12.52,-0.32,0,0.34
 3B21,GLU_29,4.68,0.21,0,-0.03
 1UOH,GLU_225,3.9,0.39,-0.79,-0.19
 1RAJ,LYS_200,10.39,-0.11,0
 2P0Y,TYR_70,11.2,0.0,0.12
 2GZR,HIS_66,7.3,-0.35,0.85,0.3
 2FL7,CYS_177,12.21,0.0,0.16,3.05
 3QKY,TYR_50,10.1,-0.33,0,0.43
 3B7X,CYS_123,9.61,0,0,0.61
 3BB7,CYS_227,13.36,-0.01,0.1,0.43,3.94
 3IUS,TYR_126,9.81,-0.78,0.24,0.34
 2FBQ,ASP_185,4.06,0,0,0.26
 1PDB,ARG_91,11.97,-0.53,0,0
 2OSA,TYR_357,9.39,-0.72,-0.44,0.55
 4F3J,LYS_170,10.31,-0.63,0,0.43
 1N81,HIS_28,6.26,-0.56,0,0.32
 3CBN,CYS_124,6.66,-3.02,-0.63,1.3
 2E3C,TYR_235,10.06,0,0,0.06
 3DZ1,ARG_299,12.85,-0.18,0.15,0.37
 1IDK,ASP_324,3.75,-0.27,0,0.22
 1DVO,HIS_117,5.64,-0.42,0,-0.43
 1T3Y,ARG_73,12.34,-0.19,0,0.03
 3AU3,ARG_653,12.11,-0.42,0,0.04
 2QK1,LYS_428,10.2,-0.3,0,0
 1SFE,ARG_105,11.83,-0.67,0,0
 2O8P,LYS_151,10.5,0,0,0
 2GZQ,GLU_103,4.51,0.23,-0.01,-0.21

157K,ARG_52,12.63,-0.27,0.06,0.33
3IVF,ASP_369,3.05,-0.92,-0.46,0.62
3BPP,ASP_61,4.46,-0.46,-0.2,1.32
3HZQ,GLU_7,4.67,0.17,0,0
1X7F,GLU_258,4.4,0.21,0,-0.31
3L3P,GLU_359,4.35,0.16,0,-0.31
1GQE,ARG_337,13.2,-1.99,1.42,1.26
3P2F,GLU_18,3.47,0.77,-1.24,-0.57
1TR9,ARG_77,11.03,-1.04,0,-0.43
2OBI,GLU_16,4.04,0.43,-0.88,-0.01
1T07,HIS_11,6.8,-0.23,0.45,0.07
3F1X,GLU_183,3.89,0.68,-0.58,-0.71
3CAN,GLU_165,4.45,0.13,-0.18,0
3O48,GLU_71,3.8,0.31,-0.68,-0.33
2B2H,LYS_294,10.57,-0.21,0,0.28
2D59,GLU_47,4.49,0.34,0,-0.36
3F5D,TYR_193,11.39,0.3,0.49,0.61
2V4X,GLU_72,3.96,0.63,-0.81,-0.36
2VGM,GLU_310,3.61,0.34,-0.85,-0.38
3T5B,LYS_293,9.99,-0.63,0,0.12
3H04,ASP_196,3.41,-0.83,0.09,0.35
1PSW,LYS_195,9.8,-1.07,0,0.37
3LMF,GLU_95,4.16,0.27,-0.64,0.04
2RGY,CYS_272,12.52,0.0,13.3,3.39
2NYC,ASP_299,1.79,-2.37,-0.38,0.72
1HUF,ARG_14,12.21,-0.29,0,0
3LPZ,ARG_290,12.62,-0.27,0,0.39
1ZP2,ARG_97,12.05,-0.22,0,-0.23
3ETU,GLU_322,4.56,0.29,0,-0.23
2WB8,ARG_552,12.6,-0.55,0.29,0.36
1XKR,GLU_156,5.25,1.73,-0.46,-0.51
2Z84,HIS_120,6.1,-0.41,0,0
3IV4,ARG_60,12.22,-0.37,0,0.09
3EVN,LYS_281,10.66,-0.49,0.13,0.52
3TIR,GLU_39,4.3,0.75,-0.79,-0.15
3G9G,GLU_96,4.37,0.57,-0.85,0.15
3B79,LYS_61,10.7,-0.13,0,0.34
2HP7,ARG_53,12.42,-0.12,0,0.03
4GA2,LYS_78,11.74,-0.28,0.68,0.83
2WB8,ASP_589,3.42,-0.8,0,0.42
1GPP,GLU_428,3.98,0.24,-0.81,0.05
1A8Q,ASP_222,2.26,-2.02,-0.38,0.87
2E3S,GLU_450,3.65,0.37,-1.1,-0.12
3PU6,GLU_72,4.61,0.3,-0.16,-0.03
3M70,TYR_248,11.22,0.0,25.0,9.8
3BQE,GLU_325,3.6,0.92,-1.14,-0.67
2BT8,ASP_252,3.81,-0.78,-0.14,0.94
2FC3,GLU_55,5.66,1.11,0,0.05
3VJ8,CYS_147,12.64,0.0,0.03,3.61
1V43,ARG_68,13.9,-0.23,0.8,0.83
1LFP,GLU_149,4.4,0.33,-0.11,-0.31
2YLF,ARG_89,11.99,-0.5,0,0
2O0K,GLU_50,4.55,0.5,0,-0.44
3I0C,ARG_337,12.08,-0.37,0,-0.05
3CO1,LYS_95,10.71,-0.15,0,0.36
3DB9,ARG_94,12.18,-0.95,0.26,0.36
2OB5,LYS_105,10.49,-0.15,0,0.14
3BA1,ARG_232,11.75,-1.92,0.2,0.97
3M66,GLU_400,4.88,0.3,0,0.08
3B4D,HIS_191,5.4,-1.1,0,0
1DOV,ASP_205,4.07,0,0,0.26
3TMO,HIS_334,6.83,-0.2,0.47,0.07
3M66,LYS_171,10.35,-0.12,0,-0.03
2GEN,CYS_178,9.68,0.0,11,0.57
3E7P,LYS_113,10.64,-0.13,0,0.27
1YM5,LYS_108,10.35,-0.25,0,0.1
1XKR,LYS_32,11.15,-0.63,0.85,0.43
4AE7,HIS_221,7.31,-1.5,1.7,0.61
2P5D,GLU_13,2.7,0.63,-1.57,-0.86
3T5B,ARG_119,12.41,-0.46,0,0.37
1XTZ,LYS_151,11.26,-0.26,0.59,0.42
1L2F,LYS_187,10.48,-0.1,0,0.07
1NIJ,HIS_134,7.33,-0.41,0.85,0.39
3CZC,LYS_93,10.57,-0.08,0,0.14
1WPS,LYS_205,10.42,-0.12,0,0.04
2Q13,CYS_341,10.71,0.0,23.1,4.8
1NJ4,ASP_295,3.52,-0.54,-0.22,0.47
1JKS,HIS_73,5.28,-1.15,0,-0.07
3BJV,LYS_149,10.93,-0.49,0.55,0.38
2BLL,TYR_443,9.78,-0.48,-0.13,0.4
1XAW,ASP_465,4.29,0.0,23.0,2.6
1GXN,TYR_595,11.56,0.0,0.01,1.55
1RLO,TYR_249,10.23,0,-0.14,0.36
1R9W,LYS_318,10.34,-0.3,0,0.14
4DNU,HIS_339,3.54,-3.12,0.17,-0.01
2Q12,TYR_181,13.29,0.85,0.55,1.88
2Z84,HIS_110,6.15,-0.38,0,0.03
3ETV,GLU_239,4.77,0.29,0,-0.02
3P28,ASP_125,3.97,0.0,0.06,0.11
3GEC,LYS_445,10.36,-0.14,0,0
1R9W,GLU_309,3.71,0.42,-0.79,-0.42
4E5S,HIS_75,3.83,-2.67,0,0
3CIV,GLU_112,4.33,0.32,0,-0.48
3GT0,LYS_114,10.76,-0.74,0.44,0.55
3HVM,LYS_250,10.41,-0.48,0,0.39
1YTD,LYS_14,10.52,-0.21,0,0.22
1YM5,CYS_107,10.05,-1.43,0.06,2.43
1EV8,HIS_212,6.32,-1.18,0.71,0.28
4EUG,ARG_156,11.5,-1.32,0,0.31
1O5J,TYR_5,10.77,0.0,0.08,0.69
1EW4,ARG_20,11.77,-0.86,0,0.14
1XIP,ASP_151,3.22,-0.87,-0.18,0.46
3BZT,LYS_317,10.32,-0.1,0,-0.08
2EYI,GLU_75,4.5,0.39,0,-0.38
1AKO,TYR_135,11.25,0.0,25.1,0
3KV0,ASP_90,2.8,-1.23,-0.3,0.52
1PZC,LYS_55,10.64,-0.25,0,0.38
2PGX,HIS_151,6.33,-0.64,0.49,-0.01
2E3S,ASP_510,3.8,0,-0.12,0.12
4DIU,GLU_146,4.58,0.08,0,0
1XFK,ARG_163,12.03,-0.67,0,0.2
3AU3,GLU_536,4.31,0.17,-0.33,-0.02
2JHY,ASP_140,3.9,-0.28,-0.16,0.55
4E9E,HIS_567,5.73,-1.61,0.77,0.06
2PGX,ARG_219,11.22,-1.68,0,0.39
3HVM,TYR_110,12.12,0.0,6.0,79.0.73
1X91,ASP_114,4.28,-0.85,0.09,1.24
3EVZ,GLU_189,3.95,1.3,-1.58,-0.28
3M70,GLU_48,4.68,0.49,0,-0.3
2CBE,LYS_45,10.43,-0.2,0,0.13
1PSW,ARG_42,12.39,-0.23,0,0.12
2A4D,ARG_200,13.45,-0.31,0.83,0.43
3CBN,GLU_45,6.56,2.01,-0.36,0.41
2IQT,LYS_222,11.31,-0.18,0.52,0.48
1IDK,ASP_207,3.59,-1.57,-0.08,1.43
3NZL,ARG_23,12.15,-0.35,0,0
2EEY,GLU_91,4.67,0.3,0,-0.14
2W2S,HIS_128,6.52,-0.41,0.12,0.31
3FFM,GLU_87,4.66,0.1,0,0.06
2A0J,LYS_119,10.41,-0.09,0,0
2IRM,TYR_241,10.59,0,-0.29,0.88
1XDZ,LYS_48,10.47,-0.16,0,0.13
3F1X,TYR_139,10.26,0.0,12.0,15
2Q5X,ASP_773,4.07,0.0,-0.03,0.31
1J74,GLU_18,6.02,3.29,-1.68,-0.1
3JZ9,ARG_390,13.3,-0.59,0.7,0.68
3BPV,ARG_41,12.99,-0.61,0.69,0.41
3V55,LYS_545,10.34,-0.17,0,0.02
1UW7,ASP_78,4.05,0,0,0.25
2V4U,LYS_535,11.09,-0.19,0.62,0.17
2B0J,GLU_78,4.62,0.37,0,-0.24
1KCM,CYS_95,11.06,0,-0.56,2.62
3GWC,HIS_349,7.25,-0.59,0.78,0.56
1QQ,ARG_38,12.69,-0.07,0,0.26
1Z3X,ASP_10,3.98,0,0,0.18
1S17,GLU_25,4.24,0.29,-0.63,0.07
3FK5,ARG_70,12.11,-0.39,0,0
3C5V,GLU_57,3.79,0.2,-0.54,-0.37
3OOP,GLU_7,4.68,0.18,0,0
1XEU,LYS_207,10.32,-0.23,0,0.04
2ZQ5,HIS_17,5.26,-1.66,0.83,-0.4
3ZTA,ARG_131,12.27,-0.27,0,0.04
1X1E,ASP_103,3.81,-0.68,-0.43,1.14
4DIU,LYS_154,10.45,-0.09,0,0.04
1H4U,ASP_427,2.95,-0.61,-0.6,0.36
3CO1,HIS_69,6.37,-0.29,0,0.15
3C6B,LYS_68,10.5,-0.16,0,0.15
3T5B,LYS_288,10.45,-0.18,0,0.13
3DB9,TYR_23,11.29,0.0,1,29
3HUE,LYS_210,10.43,-0.07,0,0
3G9G,LYS_37,10.29,-0.23,0,0.03
3DSH,ASP_345,4.08,0,0,0.28
3BPV,CYS_38,11.46,-0.01,0,2.47
1L3K,ASP_115,3.66,0,-0.31,0.18
3ELI,GLU_15,4.07,0.24,-0.67,0
3C6B,GLU_214,4.69,0.19,0,0
1WPA,LYS_488,9.94,-0.39,0,-0.17
1DVO,LYS_37,10.35,-0.15,0,0
3L3P,LYS_412,10.12,-0.3,0,-0.08
1OTM,ASP_140,3.65,0,-0.49,0.35
2F4Q,ARG_156,12.21,-0.43,0,0.14
2OEW,GLU_66,4.87,1.16,-0.85,0.06
2P1W,ARG_231,12.21,-0.35,0,0.07
2Z84,ARG_133,12.91,-0.67,0.23,0.85
3GT0,GLU_59,4.58,0.31,-0.32,0.09
3I0O,LYS_240,11.31,-0.24,0.67,0.38
2GZR,HIS_188,4.05,-2.24,0.64,-0.85
1ZCU,ASP_177,3.28,-0.59,-0.38,0.45
1C44,LYS_68,10.31,-0.09,0,-0.09
3RLE,LYS_65,10.38,-0.12,0,0
1YOY,ARG_144,12.55,-0.35,0,0.4
4EVF,GLU_141,3.96,0.66,-0.75,-0.46
2FBI,ARG_62,12.48,-0.22,0,0.21
1YTD,LYS_206,10.71,-0.23,0.33,0.11
1YR6,ARG_72,4.21,0.46,-0.74,-0.01
1EDG,ASP_3,2.85,-1.3,-0.06,0.41
2HXB,ASP_89,2.29,-1.81,-0.36,0.65
3ON1,LYS_87,10.19,-0.3,0,-0.01
2ATR,GLU_121,1.89,0.53,-2.76,-0.38
2B61,GLU_175,3.64,0.29,-0.77,-0.38
3JV1,ASP_157,2.65,-1.42,-0.15,0.41
2CN1,LYS_217,10.37,-0.15,0,0.02
1J8B,GLU_27,4.5,0.14,0,-0.15
1XTD,ASP_135,3.59,-0.56,0,0.35
2DVK,GLU_72,2.81,0.8,-2.31,-0.17
1DVO,LYS_57,10.36,-0.25,0,0.12
2YWJ,LYS_158,10.18,-0.33,0,0.01
4EUG,GLU_97,4.3,1.36,-1.07,-0.5
3AUF,GLU_193,3.91,0.38,-0.61,-0.37
3CN5,TYR_259,10.66,0.02,0.31,0.32
2VGM,LYS_207,11.4,-0.49,0.6,0.79
3G59,ASP_199,3.64,-0.77,0.01,0.6
3M66,GLU_332,4.72,0.32,0,-0.1
3F1X,GLU_106,3.93,0.21,-0.65,-0.12
3FTT,LYS_76,9.46,-1.12,0,0.08
1P4X,HIS_227,6.2,-0.31,0,0.01
1EYH,GLU_152,4.45,0.19,0,-0.24
2CWC,ASP_78,2.55,-1.62,-0.93,1.3
1JKS,LYS_45,11.2,-0.46,0.79,0.38
1X9G,GLU_187,4.63,0.15,0,-0.02
1R3F,ASP_118,3.21,-0.8,0,0.2
3H13,TYR_423,13.99,-0.85,0.81,4.03
2QV2,TYR_116,13.37,0.24,3.12
1R29,TYR_111,10.5,-0.78,0.19,1.08
3EIZ,ASP_168,3,-0.85,-0.41,0.45
3GS9,HIS_90,4.34,-3.05,0.83,0.07
3RLN,ARG_612,11.2,-1.33,0,0.03
3GEC,CYS_511,9.09,0,-0.11,0.2
3DHN,LYS_179,11.14,-0.32,0.19,0.77
1ATO,GLU_388,4.78,0.29,0,-0.01
3JZ9,GLU_516,4.79,0.19,0.01
2V4X,TYR_93,11.14,0.0,0.31,0.83
2P1W,LYS_160,9.74,-1.0,0.23
1Q0X,ARG_57,12.34,-0.25,0.0,0.09
2BT8,ARG_185,12.3,-0.2,0,0
1TD6,GLU_257,3.73,0.54,-0.85,-0.45
1X6J,GLU_68,4.34,0.28,-0.6,0.16
4E8B,ARG_5,11.07,-1.86,0.0,43
4EZB,GLU_121,4.41,3.31,-2.95,-0.44
3ELI,ASP_91,2.19,-1.26,-0.71,0.37
1U7U,ARG_344,12.3,-0.2,0,0
1W24,ARG_104,12.51,-0.12,0,0.13
3HNX,ASP_89,3.79,0,-0.25,0.24
2AXO,GLU_162,4.66,0.33,0,-0.18
4ECC,HIS_152,6.54,-0.18,0.25,-0.03
1LZL,TYR_269,12.83,0,-0.38,3.2
2D7J,GLU_62,4.87,1.87,-1.42,-0.08
157K,HIS_20,5.43,-1.34,0.21,0.06
1PVT,GLU_212,5.57,2.49,-1.66,0.23
3DB9,ASP_264,4.43,0.0,0.04,0.59
3H04,LYS_245,10.92,-0.5,0.05,0.87
1WXF,HIS_162,5.79,-2.76,0.83,1.22
3ASA,GLU_86,4.76,0.17,-0.13,0.22
2IF4,GLU_86,6.04,1.88,-0.5,0.16
3JZN,LYS_408,10.38,-0.1,0,-0.02
2PPN,LYS_73,10.6,-0.21,0.05,0.26
3K8J,GLU_56,3.91,0.52,-1.13,0.02
3EZ7,ARG_290,12.39,-0.47,0,0.36
1EYH,ARG_135,12.36,-0.15,0,0.01
1R5Q,ARG_82,13.16,-0.31,0.66,0.31
3C6B,LYS_2,10.35,-0.15,0,0
3JZN,GLU_195,3.75,4.06,-1.44,-3.37
1X7F,GLU_332,4.51,0.32,-0.45,0.15
3P28,ASP_149,2.59,-1,-0.99,0.79
2YWJ,TYR_173,9.85,0,-0.42,0.27
1X7F,HIS_251,6.18,-0.35,0,0.02
3RFF,GLU_22,4.32,0.86,-0.85,-0.2
1R16,HIS_186,5.07,-1.51,0,0.08
2HP7,GLU_50,4.57,0.09,0,-0.02
4H4J,LYS_292,10.52,-0.12,0.0,17
2QZQ,ARG_24,13.59,-0.42,1,0.52
1UCH,HIS_26,6.23,-0.51,0,0.24
3V75,ARG_250,12.77,-0.31,0.31,0.26
1R6Y,CYS_46,9.18,0.0,0.03,0.16
3HKX,ARG_48,12.27,-0.31,0.0,0.08
3MEW,LYS_161,10.09,-0.7,0.0,29
2CYG,TYR_336,12.69,-0.63,0.02,3.3
4DND,ASP_63,4.08,0,0,0.28
4FZR,LYS_211,10.41,-0.09,0,0
3I0C,GLU_260,3.97,0.44,-0.71,-0.25
4EUK,ARG_184,11.67,-1.0,0.0,17
1VSM,HIS_103,6.19,-0.3,0,-0.01
2P65,ASP_22,3.95,0,0,0.15
4EF5,ARG_191,12.29,-0.21,0,0
1AIL,ARG_37,12.4,-0.26,0,0.16
2QV2,LYS_188,11.38,-0.3,0.68,0.5

1PSW,HIS_274,5.39,-1.69,0,0.59
 1X04,CYS_86,8.8,-1.06,0.33,0.54
 3HVM,LYS_121,10.09,-0.72,0,0.31
 1C44,ASP_53,1.74,-3.04,-0.46,1.43
 3K8J,HIS_132,6.59,-0.27,0.26,0.11
 1X1P,ASP_111,3.76,-0.48,0.06,0.38
 2F8H,ARG_222,12.56,-0.4,0,0.46
 3RE9,ASP_69,1.89,-1.92,-0.46,0.47
 2V4X,TYR_102,10.27,0,0.07,0.19
 3H13,HIS_328,6.35,-0.15,0,0
 2R4Q,LYS_264,11.55,-0.31,0.85,0.52
 1UJ8,LYS_36,11.46,-0.33,0.85,0.44
 1QYI,GLU_219,4.43,0.3,-0.07,-0.31
 2G5X,TYR_148,10.86,0,-0.09,0.95
 3J5N,GLU_261,4.69,0.16,0,0.04
 3MTT,ARG_574,12.38,-0.86,0.17,0.57
 2J8A,ARG_319,12.62,-0.27,0,0.38
 1R53,LYS_311,10.38,-0.12,0,0
 2OJQ,GLU_406,5.06,1.62,-0.94,-0.13
 2D7U,HIS_43,1.52,-2.54,0,-2.44
 1WXQ,LYS_262,10.48,-0.02,0,0
 2ILR,TYR_500,12.48,-0.2,0.06,2.62
 3U56,LYS_129,10.43,-0.62,0,0.56
 3KV0,GLU_181,4.69,0.15,0,0.04
 2CIU,ARG_137,12.45,-0.08,0,0.02
 2AD1,ASP_222,3.43,-0.39,-0.44,0.47
 1X04,LYS_114,11.36,-0.33,0.76,0.43
 2RGY,ARG_233,13.11,-0.32,0.02,0.71
 4F3J,GLU_202,4.63,0.1,0,0.02
 2IF4,GLU_152,4.67,1.84,-0.8,-0.87
 3C2E,ARG_151,12.58,-0.67,0.07,0.68
 4ECC,LYS_126,10.44,-0.06,0,0
 4ECC,GLU_29,4.33,0.25,0,-0.43
 3H8Y,TYR_45,10.11,0,0,0.11
 2YWJ,LYS_57,10.66,-0.16,0,0.32
 4ANN,LYS_91,10.41,-0.35,0.04,0.22
 3F7M,LYS_362,9.58,-0.78,0,-0.14
 2JKF,GLU_42,4.64,0.14,0,0.01
 2NRK,ARG_86,11.75,-1.43,0.01,0.68
 2NSN,GLU_56,4.62,0.12,0,0
 1PGV,GLU_372,4.47,0.21,0,-0.25
 1NJ4,ASP_154,3.8,0,-0.21,0.21
 2FM9,LYS_213,9.85,-0.27,0,-0.38
 2CL3,GLU_81,6.19,3.23,0,-1.52
 3CNU,GLU_6,3.64,0.24,-0.62,-0.47
 2OKT,HIS_340,6.4,-0.1,0,0
 2FBQ,GLU_193,4.2,0.28,-0.44,-0.14
 4D8L,ASP_238,3.16,-0.76,-0.4,0.52
 1TLV,LYS_134,10.3,-0.27,0,0.08
 1D7O,CYS_40,10.76,-0.08,-0.04,1.88
 1X8F,GLU_157,4.81,0.21,0,0.1
 3V3T,GLU_257,4.58,0.28,0,-0.2
 3T8R,ASP_39,4.02,-0.09,-0.09,0.41
 2OJQ,ASP_411,3.7,-0.23,-0.05,0.17
 3NBI,GLU_37,4.91,0.34,0,0.07
 3ADO,HIS_242,6.33,-0.26,0,0.1
 2AH5,TYR_193,10.27,0,-0.13,0.41
 1V8E,HIS_55,4.93,-1.1,0,-0.46
 1O9G,ARG_46,13.09,-0.37,0.69,0.26
 3LJI,ASP_268,3.32,-0.53,-0.47,0.52
 3HNX,GLU_60,4.33,0.33,-0.33,-0.16
 4H89,TYR_76,10.38,-1.24,0,1.62
 2YWJ,ASP_109,3.76,-0.14,-0.01,0.11
 2GAU,GLU_137,5.21,1.84,0,-1.12
 1OXZ,TYR_294,10.86,-0.27,-0.11,1.22
 2QDJ,ASP_338,4.4,0,-0.06,0.65
 1Z3X,CYS_122,10.75,0,-0.04,1.78
 1CHD,GLU_201,4.44,0.28,0,-0.34
 3CCY,ARG_39,12.55,-0.22,0.06,0.21
 1TR9,GLU_257,3.57,0.31,-1.16,-0.08
 3Q1C,LYS_271,10.15,-0.49,0,0.14
 2QOP,ARG_107,12.46,-0.71,0.33,0.34
 3V75,TYR_130,10.1,0.02,0.08
 2A0J,GLU_115,4.68,0.21,0,-0.03
 2OEW,CYS_250,10.26,0,-0.15,1.41
 3GFP,LYS_478,10.39,-0.13,0,0.01
 3QAV,TYR_186,12.22,0.42,1.81
 3TMO,ASP_322,3.92,0,-0.14,0.26
 1OLR,ASP_222,4.02,-0.11,-0.22,0.56
 3I4T,HIS_91,6.82,-1.72,1.35,0.7
 3BA1,CYS_203,11.48,-0.06,0.253
 2H14,LYS_67,10.23,-0.16,0,-0.12
 1X1E,GLU_93,2.62,0.51,-1.98,-0.41
 1R53,ASP_369,2.88,-0.85,-0.38,0.31
 3FNI,LYS_31,11.44,-0.41,0.85,0.5
 3LH5,HIS_524,4.29,-3.14,0.85,0.08
 4DVD,GLU_167,4.88,0.39,0,-0.01
 1J33,ARG_138,12.41,-0.35,0,0.26
 3N0K,GLU_39,4.61,0.27,0,-0.16
 2PGE,ASP_40,2.52,-1.29,-0.44,0.44
 1S17,ASP_143,3.15,-1.4,-0.48,1.23
 3G9T,CYS_179,11.62,-0.55,0.64,2.52
 2OKT,TYR_83,13.17,0.079,2.37
 3UC9,GLU_144,4.73,2.25,-1.49,-0.53
 2E35,LYS_370,10.75,-0.44,0.32,0.38
 2A1V,GLU_66,4.94,0.1,0,0.34
 3FWU,HIS_49,6.23,-0.22,0,-0.05
 2OBI,TYR_53,13.78,0.074,3.04
 1O59,HIS_94,5.69,-0.82,0.12,-0.11
 4DEZ,LYS_230,10.24,-0.28,0,0.02
 3AU3,CYS_451,8.92,-0.25,-0.39,0.55
 1PSW,HIS_199,5.88,-1.01,0,0.39
 3FHF,ARG_89,11.04,-1.71,0,0.25
 1AKO,ARG_200,12.36,-1.34,0.84,0.37
 4E8B,ARG_88,12.42,-0.08,0,0
 1VSM,LYS_164,10.17,-0.66,0,0.33
 3E7Z,HIS_136,5.94,-0.38,0,-0.18
 2FL7,ASP_113,3.82,0,-0.12,0.14
 2F9F,CYS_11,9.23,0,-0.36,0.59
 3GFP,LYS_340,10.7,-0.52,0.38,0.34
 1WOU,CYS_64,9.03,-0.95,-0.02,1
 3P28,CYS_22,12.2,-0.7,-0.23,4.12
 3K8J,ASP_77,3.83,0,-0.28,0.32
 3AU3,HIS_444,6.16,-0.48,0,0.14
 4FZR,GLU_78,4.23,0.63,-0.49,-0.41
 1R15,GLU_276,5.08,0.23,0.34
 2XMZ,ASP_139,3.53,-0.46,-0.41,0.61
 4GCO,ASP_201,4.15,0,-0.37,0.72
 3F6M,GLU_146,4.31,0.44,-0.2,-0.44
 2PGX,ASP_160,4.01,0,0,0.21
 1WP5,TYR_64,11.02,0,0,1.02
 1O5T,GLU_386,4.5,0.39,-0.26,-0.12
 1L2F,TYR_181,11.02,0.25,0.77
 3ADO,GLU_257,4.59,0.09,0,0
 3K9I,ARG_123,12.8,-0.36,0.11,0.56
 3GA2,LYS_105,10.31,-0.37,0,0.17
 3CAX,TYR_349,10.59,0.23,0.36
 1RZ2,ASP_225,3.28,-1.01,-0.39,0.89
 1V43,ARG_124,13.44,-0.17,0.67,0.44
 1O17,HIS_23,4.78,-1.66,0,-0.07
 3LH5,LYS_760,9.2,-0.81,0,-0.48
 3RFF,ASP_19,3.35,-1.23,-0.48,1.27
 3FK5,LYS_277,10.34,-0.16,0,0
 2ZTY,LYS_42,10.44,-0.22,0.0,16
 1YW5,LYS_54,10.57,-0.51,0,0.58
 3F6F,TYR_72,10.94,-0.08,0.03,0.98
 3UC9,HIS_53,7.15,-0.34,0.71,0.28
 1JKS,ASP_103,4.08,-0.25,-0.09,0.6
 2PPN,ASP_79,3.63,-0.22,-0.15,0.21
 2H85,GLU_128,4.56,0.06,0,0
 3AUF,GLU_45,3.95,0.37,-0.38,-0.53
 2R51,LYS_201,10.49,-0.16,0,0.15
 1R3F,GLU_227,4.62,0.12,0,0
 2D7U,GLU_310,5.01,0.3,0,0.22
 3BZT,LYS_290,10.49,-0.83,0.57,0.24
 3F53,ASP_275,4.18,0.02,0.37
 2D7J,HIS_171,6.14,-0.29,0,-0.07
 2Q34,HIS_114,5.05,-1.19,0,-0.27
 2QEV,HIS_91,5.26,-2.38,0.85,0.3
 1GPP,TYR_48,11.5,0.46,1.03
 1ZBP,GLU_121,4.75,0.17,0,0.08
 1JSX,HIS_91,5.6,-1,0,0.1
 3CN5,LYS_237,11.1,-0.56,0.66,0.5
 1LFP,TYR_174,12.11,0.0,0.19,1.92
 2PWO,ARG_102,12.02,-0.94,0,0.47
 1R3D,TYR_198,10.79,0.03,0.76
 2OJQ,GLU_567,4.66,0.14,0,0.02
 3CAN,GLU_112,3.51,0.23,-0.85,-0.37
 3H9W,HIS_65,5.94,-0.63,0,0.08
 1TWU,CYS_34,8.39,-0.69,-0.33,0.41
 3K1H,GLU_105,4.67,0.17,0,0
 1WLY,TYR_148,10.34,0.04,0.3
 2C2Y,ARG_67,13.23,-0.65,0.81,0.58
 3E7P,HIS_164,5.93,-0.45,0,-0.11
 2H30,GLU_108,3.92,0.33,-0.55,-0.36
 3GV0,HIS_153,5.72,-2.22,0.1,45
 2W1R,ARG_79,13.5,-0.3,0.84,0.46
 1IDK,ARG_349,11.66,-0.95,0,0.11
 3FXH,LYS_67,10.68,-0.11,0,0.28
 1L3K,HIS_168,5.49,-1.7,0.68,0
 3FRR,LYS_171,10.69,-0.21,0.19,0.21
 4DND,GLU_13,5.02,0.2,0.28
 1X6J,ARG_8,12.32,-0.2,0.02
 3HVW,GLU_182,4.64,0.3,0,-0.16
 3OBS,LYS_108,10.58,-0.49,0,0.57
 1AM2,GLU_141,4.66,0.21,0,-0.04
 3L7N,ASP_198,4.05,0.09,0.16
 4AE7,CYS_63,9.58,-1.22,0.23,1.58
 3V55,LYS_665,10.28,-0.25,0,0.02
 1O59,LYS_19,10.35,-0.15,0,0
 3FK5,LYS_23,10.42,-0.08,0,0
 2DFL,LYS_27,10.18,-0.33,0,0.01
 3P29,HIS_175,6.21,-1.94,0.85,0.8
 4ETX,GLU_348,2.19,1.18,-2.44,-1.05
 3OAT7,LYS_30,12.43,-0.31,0.01,0.23
 3F53,GLU_84,4.53,0.19,0,-0.15
 3BWT,GLU_813,4.41,0.52,-0.62,0.01
 2W25,GLU_135,4.49,0.35,-0.26,-0.1
 4H86,LYS_41,10.74,-0.1,0,0.35
 3M7D,HIS_56,2.95,-2.84,0.09,-0.81
 3OAT7,LYS_14,10.51,-0.17,0,0.18
 1N81,ARG_34,13.02,-1.29,0.67,1.14
 1FHL,GLU_16,3.82,1.36,-1.48,-0.56
 3I0C,LYS_258,10.4,-0.31,0.1,0.12
 2BAA,ARG_18,11.95,-1.89,0.8,0.54
 2ZCX,GLU_68,3.73,1.06,-1.51,-0.31
 3GV0,ARG_141,12.45,-0.18,0.0,13
 3H8Y,ASP_66,3.57,-0.3,-0.1,0.17
 2OJQ,ARG_422,12.35,-0.21,0,0.06
 4EUG,ARG_49,12.32,-0.28,0,0.1
 3DHN,ASP_156,2.71,-1.8,-0.89,1.61
 1UXQ,TYR_178,10.71,-0.06,0.15,0.62
 2PWO,GLU_15,4.54,0.2,0,-0.16
 2VC8,GLU_51,4.2,0.54,-0.83,-0.01
 3HQX,HIS_105,5.14,-1.19,0.28,-0.45
 2V81,ARG_181,12.33,-0.23,0,0.06
 1C3K,LYS_104,11.15,-0.24,0.37,0.52
 1Q8B,GLU_45,3.73,2.07,-1.7,-1.13
 1NKD,GLU_49,4.49,0.15,0,-0.16
 1FKM,HIS_335,6.46,-0.31,0,0.28
 2G2D,ARG_64,12.46,-0.15,0,0.11
 2XHC,TYR_235,10.84,0,-0.32,1.16
 4AF2,LYS_24,10.41,-0.35,0,0.26
 2ZQ5,ARG_37,12.76,-0.54,0.02,0.79
 2B78,ASP_41,4,-0.05,0,0.25
 1LPL,LYS_217,11.13,-0.28,0.57,0.33
 4FZR,GLU_366,3.33,0.71,-1.68,-0.2
 2Q34,GLU_231,4.31,0.31,0,-0.5
 3L7N,HIS_87,6.4,-3.16,1.93,2.37
 2F4Q,HIS_180,5.77,-0.47,0.05,-0.32
 3H6Q,ARG_55,12.77,-0.48,0.13,0.63
 2VGM,TYR_111,12.6,0.54,0.75,1.31
 1PDB,CYS_6,12.61,0,-0.04,3.65
 3EVP,ASP_260,3.63,0,-0.4,0.22
 1WPA,LYS_462,10.34,-0.26,0,0.1
 3Q1C,TYR_388,13.69,0.63,3.06
 3IVF,GLU_20,4.63,0.13,0,0
 1EV8,GLU_248,4.41,0.23,-0.22,-0.1
 3V55,LYS_621,10.25,-0.43,0.18
 2O48P,LYS_189,10.5,0,0,0
 3PBH,TYR_16,9.28,-0.73,-0.36,0.37
 1NJ4,GLU_18,3.82,0.25,-0.42,-0.51
 1MIX,GLU_342,4.74,0.57,0,-0.33
 1V43,LYS_14,11.54,-0.4,0.76,0.68
 2CN1,GLU_79,4.8,0.31,0,-0.02
 1W7B,LYS_212,10.72,-0.21,0.0,43
 3EOD,LYS_96,10.86,-0.33,0.37,0.32
 3T5B,ASP_232,2.56,-1.5,-0.21,0.47
 2P0Y,GLU_119,4.67,0.17,0,0
 2CYG,TYR_132,10.38,0.02,0.35
 3ON1,ARG_15,12.29,-0.21,0,0
 3UC9,ASP_167,3.96,-0.03,-0.35,0.54
 350A,ASP_40,2.33,-1.7,-0.45,0.68
 2AHE,GLU_138,4.49,0.28,0,-0.3
 1D2K,LYS_278,10.24,-0.32,0,0.05
 2B61,ASP_158,3.89,0,-0.17,0.27
 2Z61,ASP_16,3.27,-0.61,-0.4,0.48
 1CHD,LYS_269,10.43,-0.1,0,0.03
 2FD4,LYS_435,10.5,0,0,0
 3GMS,ASP_271,3.73,0,-0.35,0.28
 3LJI,CYS_71,11.49,-0.05,0.13,2.41
 2Z61,CYS_122,12.48,0,-0.21,3.69
 3U56,ASP_70,3.11,-0.83,-0.21,0.36
 3BQW,GLU_225,4.17,0.37,-0.23,-0.48
 2V4U,CYS_559,10.23,0.12,1.11
 2O8P,LYS_89,10.77,-0.23,0.49,0
 2EDM,ASP_127,4.1,0,-0.02,0.32
 3BA1,LYS_67,11.3,-0.21,0.63,0.38
 3K8U,LYS_90,10.91,-0.91,0.78,0.54
 2FXT,GLU_300,5.54,1.38,-0.77,0.44
 1SUU,TYR_614,10.26,-0.17,0.11,0.33
 3I47,GLU_206,4.28,0.48,-0.34,-0.36
 2NRR,TYR_406,10.29,0.06,0.23
 3EUR,LYS_126,9.71,-0.5,0,-0.29
 1Q5Z,CYS_589,10.7,0.03,1.68
 3MTT,TYR_464,10.1,0,-0.04,0.14
 3V1Q,HIS_592,6.81,-2.13,1.65,0.79
 3V1Q,TYR_522,12.57,0.94,1.62
 2D0A,HIS_295,5.21,-1.2,0,-0.09
 1H09,ASP_324,3.92,0,0,0.12
 2F8H,ARG_178,13.08,-0.34,0.42,0.51
 4DEZ,HIS_58,5.97,-0.34,0,-0.2
 2HNG,HIS_79,6.86,-0.64,0.76,0.25
 1XAW,ARG_459,12.81,-0.28,0,0.59
 3LD1,LYS_81,10.42,-0.15,0,0.07
 1YLN,LYS_205,10.32,-0.28,0,0.11

2BV9,ARG_277,12.24,-0.26,0,0
 2ZQ5,ARG_134,12.23,-0.75,0,0.48
 3HUE,LYS_12,10.29,-0.18,0,-0.03
 2W25,GLU_132,4.47,0.07,0,-0.11
 2PLQ,ASP_70,4.2,0.0,24,0.16
 2EFK,ASP_286,3.07,-0.97,0,0.23
 3GYW,LYS_194,10.25,-0.37,0,0.13
 4FCU,ARG_189,11.57,-1.12,0,0.19
 4FD6,CYS_218,10.56,0,-0.4,1.96
 3UX2,TYR_77,10.47,-0.16,0.25,0.39
 2OGQ,ARG_483,11.79,-0.71,0,0
 3CAX,TYR_435,9.53,-0.77,-0.08,0.38
 3NR5,GLU_110,4.07,1.36,-1.42,-0.37
 3UZR,ARG_86,12,-0.61,0,0.11
 1PGV,ARG_296,11.93,-0.54,0,-0.03
 1H4U,GLU_538,3.61,0.26,-0.85,-0.3
 2C2Y,LYS_20,10.39,-0.11,0,0
 3A7L,ASP_38,4.04,0,0,0.24
 4F8A,ASP_632,3.99,0,0.04,0.15
 3DB9,TYR_152,11.88,0,0.14,1.73
 1R53,GLU_140,5.56,2.71,-0.75,-0.9
 1NAF,GLU_271,4.76,0.14,0,0.11
 1LZL,ARG_242,13.72,-1.28,1.51,0.99
 3UC9,GLU_75,3.17,0.24,-1.56,-0.01
 3BPV,ARG_66,12.25,-0.10,-0.15
 2PWQ,LYS_67,10.28,-0.12,0,-0.1
 3C2E,GLU_153,5.63,2.53,-1.29,-0.11
 2B02,ASP_452,3.74,0,-0.31,0.26
 1QQ,LYS_128,10.07,-0.13,0,-0.3
 3FXH,LYS_4,10.52,-0.07,0,0.09
 2EDM,LYS_88,10.22,-0.34,0,0.06
 2ZOM,GLU_11,2.61,0.52,-2.11,-0.29
 2E0T,ASP_63,3.17,-1.24,-0.68,1.29
 3H5T,ASP_205,3.59,-0.76,-0.29,0.84
 4ETX,HIS_258,6.36,-0.29,0,0.15
 2VAN,LYS_289,10.25,-0.29,0,0.04
 3BA1,LYS_85,12.2,-0.49,1.32,0.87
 1H09,LYS_183,9.42,-1.14,0,0.06
 3GEC,GLU_474,4.6,0.36,0,-0.26
 2NMM,GLU_112,4.67,0.23,0,-0.06
 1RAJ,TYR_81,13.36,0,-0.71,4.07
 2QRX,HIS_135,5.51,-1.5,0.16,0.34
 2F8H,TYR_331,11.69,-0.85,-0.27,2.81
 4F85,ARG_242,12.72,-0.16,0,0.38
 1160,LYS_254,10.4,-0.29,0,0.2
 3O48,TYR_99,11.25,-0.3,0.53,1.04
 2WOZ,ASP_506,3.96,0,0.16
 1O9G,ARG_78,12.38,-0.18,0,0.06
 1WPA,HIS_509,5.52,-0.76,0,-0.22
 4EZB,ARG_195,12.5,-0.17,0,0.17
 3OBS,GLU_116,4.55,0.18,0,-0.13
 4AM1,HIS_90,3.81,-3.13,0.84,-0.4
 2XHC,LYS_19,10.37,-0.65,0,0.53
 2OKT,ASP_206,4.23,0,0.05,0.38
 2H14,ASP_157,2.4,-1.51,-0.34,0.48
 2FL4,LYS_7,10.46,-0.04,0,0
 3RHE,LYS_23,10.54,-0.3,0,0.34
 3ONT,LYS_141,10.4,-0.1,0,0
 1BTL,ASP_149,4.07,0,-0.04,0.31
 1GPP,ASP_31,1.18,-2.5,-1.01,0.89
 3GOZ,GLU_157,3.24,0.45,-1.44,-0.26
 2QVO,GLU_55,4.4,0.36,-0.04,-0.41
 4GCO,CYS_186,11.23,0,-0.08,2.3
 2B61,LYS_234,10.65,-0.25,0,0.4
 2FPN,TYR_47,11.57,0,0.28,1.28
 2NYC,CYS_202,11.07,0,0.01,2.05
 1SIG,ARG_373,12.19,-0.27,0,-0.04
 2VAN,ASP_263,2.92,-2.19,-0.02,1.34
 3I82,ARG_213,12.42,-0.28,0,0.2
 4D8L,ARG_230,13.14,-0.33,0.64,0.33
 2D7J,ARG_15,12.41,-0.38,0,0.28
 3EVP,ASP_287,4.03,0,-0.02,0.25
 3EZ7,HIS_223,6.37,-0.31,0,0.18
 1Y0K,GLU_15,4.71,0.32,0,-0.12
 1OLR,ASP_169,2.84,-1.68,-0.46,1.19
 3IDW,ARG_28,13.28,-0.36,0.84,0.3
 2X4L,TYR_236,9.88,-0.76,0.07,0.57
 3ZXY,GLU_240,4.58,0.57,-0.01,-0.48
 1RI6,GLU_59,4.57,0.28,0,-0.21
 1DTO,ARG_165,13.8,-0.45,0.76,1
 2EJX,GLU_44,3.53,0.35,-0.78,-0.55
 3PBH,ASP_11,3.38,-0.49,-0.26,0.33
 3G9G,GLU_85,4.08,0.36,-0.87,0.09
 2JHY,GLU_121,4.45,0.14,0,-0.2
 1L2F,GLU_88,4.56,0.13,-0.03,-0.04
 1R3F,GLU_311,4.46,0.1,-0.15
 1SNT,GLU_153,4.48,0.3,0,-0.33
 3MEW,ARG_282,12.29,-0.71,0,0.5
 3SMD,LYS_78,10.34,-0.18,0,0.02
 2V4X,LYS_128,10.94,-0.53,0.85,0.13
 1NAR,ASP_155,4.09,0,0.14,0.14
 1AKO,ARG_189,12.12,-0.55,0,0.16
 1GPP,CYS_17,9.94,-0.1,0.52,0.51
 4FLE,GLU_132,4.54,0.11,0,-0.08
 3O48,LYS_126,10.33,-0.14,0,-0.04
 1ZYL,GLU_22,4.47,0.19,0,-0.21
 2VGM,HIS_250,6.3,-0.33,0,0.13
 2RH3,TYR_99,12.23,0,0.3,1.94
 1SUU,GLU_565,5.08,0.43,0,0.15
 3MTT,GLU_504,4.55,0.28,0,-0.23
 1SIG,ARG_385,12.43,-0.08,0,0.01
 2FPN,ASP_137,3.54,-0.3,-0.1,0.14
 3OOP,GLU_47,3.27,0.95,-1.79,-0.39
 1LTU,ASP_6,3.23,-0.85,0,0.28
 3GS9,TYR_93,12.08,0.39,1.69
 3F1X,CYS_146,8.23,-1.25,0.1,0.38
 2OPJ,ARG_17,13.31,-1.93,0.24,2.5
 1YLN,ARG_211,13.3,-0.47,0.81,0.45
 1O59,TYR_68,10.46,-0.13,-0.03,0.62
 1WXF,TYR_255,11.01,-0.13,-0.06,1.2
 2D7U,GLU_249,4.62,2.4,-0.26,-2.01
 3K1H,LYS_136,10.49,-0.1,0,0.09
 2CBE,TYR_194,13.7,-0.85,-0.13,4.66
 3MEW,LYS_136,10.45,-0.05,0,0
 2B0A,GLU_134,4.72,0.24,0,-0.02
 1X91,HIS_88,7.11,-0.33,0.56,0.37
 1J33,ARG_144,12.88,-0.82,0.81,0.39
 2IXM,ARG_99,12.44,-0.06,0,0
 3EAZ,ASP_123,3.98,0,0,0.18
 2G3A,GLU_12,4.14,0.11,-0.47,0
 1O0X,GLU_16,4.45,0.21,0,-0.26
 2NMM,ARG_17,12.2,-0.36,0,0.06
 2H2W,TYR_150,11.68,0.85,0.39,0.44
 3PAC,GLU_101,4.08,0.6,-0.64,-0.38
 1XEU,ASP_237,3.56,-1.2,-0.15,1.11
 1UCH,ASP_216,3.64,-0.81,-0.19,0.85
 4D8L,LYS_280,11.27,-0.33,0.75,0.35
 3IUS,LYS_139,10.95,-0.28,0.08,0.65
 1AK1,LYS_44,10.65,-0.28,0,0.44
 1V8E,LYS_21,11.55,-0.38,0.85,0.56
 3CAX,LYS_237,10.55,-0.22,0,0.27
 2I88,GLU_373,4.23,0.41,0,-0.67
 2ZCX,GLU_38,4.46,0.16,0,-0.2
 1PVT,GLU_140,4.82,0.15,0,0.17
 2VGY,ASP_54,3.98,0,0,0.18
 3QAV,LYS_121,10.67,-0.26,0.16,0.26
 3L3P,ARG_524,13.55,-0.45,0.68,0.82
 2VC8,LYS_46,10.26,-0.19,0,-0.05
 1RAJ,LYS_322,10.16,-0.74,0,0.39
 3B21,ASP_103,3.99,0,0,0.19
 3CJW,ARG_397,12.31,-0.15,0,-0.04
 2FD4,ASP_473,3.14,-0.83,0,0.17
 4EVF,LYS_120,10.21,-0.26,0,-0.03
 3I47,GLU_246,3.48,0.46,-1.13,-0.35
 3UOV,ASP_103,3.52,-0.62,-0.03,0.36
 3QKY,TYR_101,10.97,-0.35,-0.31,1.63
 4DND,GLU_97,4.98,0.22,0.02,0.23
 2HRZ,LYS_306,11.11,-0.23,0.14,0.7
 3CBN,TYR_122,10.14,0,-0.03,0.17
 1L2F,GLU_148,4.48,0.19,0,-0.21
 2O8P,ASP_148,3.72,-0.26,-0.06,0.24
 3IVF,TYR_373,9.9,-0.3,0.03,0.17
 2H2Z,ARG_76,12.48,-0.17,0,0.15
 2QHT,LYS_50,10.35,-0.1,0,-0.05
 2D59,LYS_118,10.57,-0.12,0,0.19
 2JKF,ASP_151,3.34,-0.81,-0.02,0.36
 1H4U,TYR_440,9.72,-0.34,-0.35,0.41
 1IDK,TYR_24,10.45,0,0.14,0.31
 2A0J,HIS_113,5.62,-0.9,0,0.02
 3BPV,ASP_51,2.52,-1.53,-0.51,0.77
 1BDY,LYS_173,9.53,-0.78,0,-0.18
 2QVO,LYS_13,11.65,-0.41,0.85,0.71
 1AK1,TYR_47,13.1,-0.85,0.96,2.99
 4F85,ARG_146,12.59,-0.15,0,0.24
 3UAH,HIS_198,6.5,-0.41,0.15,0.27
 1UXO,GLU_48,4.94,0.28,0,0.16
 2HXB,GLU_105,3.63,0.46,-0.85,-0.47
 2A0J,ASP_43,3.28,-0.64,-0.15,0.28
 2A6B,GLU_89,4.81,0.17,0,0.13
 2W8B,LYS_659,10.36,-0.14,0,0
 3M66,GLU_201,4.61,0.17,0,-0.07
 3ONT,GLU_114,4.03,0.42,-0.85,-0.05
 1DCF,HIS_1.6,1.3,-0.31,0,-0.06
 2H8O,LYS_207,10.27,-0.23,0,0
 2CXA,TYR_93,10.47,0.0,17,0.3
 3P51,LYS_38,10.43,-0.08,0,0.01
 2HNG,ASP_47,3.48,-0.86,0.04,0.5
 2OEW,ARG_306,12.49,-0.29,0,0.29
 2B2H,ASP_3,3.91,0,0,0.11
 2OBI,GLU_163,2.31,0.54,-2.32,-0.41
 1MN3,LYS_402,10.45,-0.12,0,0.07
 2ROS,ASP_79,3.99,-0.17,-0.29,0.65
 2D2S,ASP_696,4.57,0.0,16,0.6
 3RFY,TYR_399,12.53,0.0,48,2.06
 2JKF,TYR_5,10.21,0,0,0.21
 1DZF,GLU_33,4.74,0.1,0,0.14
 1YOY,ARG_161,12.46,-0.09,0,0.06
 4DBL,ARG_205,13.46,-1.25,1.55,0.66
 2R57,HIS_377,4.16,-2.35,0.78,-0.77
 2O4D,HIS_55,6.51,-1.85,0.78,1.07
 2G9D,TYR_334,10.35,-0.35,-0.17,0.87
 1H4U,TYR_559,12.76,0,0.33,2.43
 3UV9,HIS_363,6.67,-0.63,0.76,0.04
 1S7K,GLU_77,4.79,0.27,0,0.02
 3O7K,ARG_153,11.59,-0.93,0,0.02
 2B61,HIS_135,7.02,-0.75,0.88,0.4
 1XWM,GLU_140,4.33,1.03,-0.64,-0.58
 1L2H,LYS_93,10.4,-0.08,0,-0.03
 3BQW,LYS_75,10.37,-0.13,0,0
 3CSR,TYR_3,10.46,0,0.2,0.26
 3CE7,LYS_99,11.52,-0.25,0.85,0.43
 2PWQ,LYS_12,10.55,-0.16,0,0.21
 3F1Y,GLU_168,5.59,1.31,0,-0.21
 2DVK,GLU_146,4.69,0.12,0,0.07
 1XTZ,ARG_23,12.74,-0.19,0,0.43
 1YTQ,LYS_120,10.65,-0.25,0.02,0.39
 1YLN,TYR_218,9.57,-1.65,-0.43,1.65
 2CBE,ASP_110,2.49,-1.66,-0.27,0.62
 1ZKZ,GLU_31,3.54,0.29,-0.99,-0.26
 3C2E,LYS_48,9.95,-0.3,0,-0.27
 3G9G,TYR_247,9.84,-0.74,0,0.58
 3QKY,TYR_63,10.85,0.0,12,0.74
 1OTM,TYR_170,11.18,0,0.37,0.8
 3CAX,LYS_413,10.49,-0.14,0,0.13
 3RLN,HIS_694,6.5,-0.31,0.3,0.02
 1R15,ARG_275,12.45,-0.08,0,0.02
 2QZQ,ASP_129,4.01,0,0,0.21
 2V1L,TYR_107,10.16,0,0.07,0.09
 2E0T,ARG_139,12.41,-0.24,0,0.16
 3BJV,ARG_131,13.77,-0.4,1.14,0.52
 1TP6,ASP_23,4.11,0,0.07,0.24
 3GS3,ARG_215,12.38,-0.24,0,0.12
 1V43,GLU_252,2.96,0.33,-1.24,-0.62
 1LZL,GLU_224,4.45,0.18,0,-0.23
 4EVF,LYS_12,10.48,-0.48,0.09,0.37
 1J85,LYS_90,10.43,-0.06,0,-0.01
 2BV9,TYR_208,10.63,-0.83,0,1.46
 3PM2,LYS_42,10.35,-0.21,0,0.06
 1R29,ASP_17,3.99,0,-0.11,0.3
 1O6D,ARG_12,12.61,-0.2,0.02,0.29
 1GPP,GLU_108,4.29,0.68,-0.78,-0.11
 2OEW,GLU_282,4.47,0.19,0,-0.22
 2R05,TYR_136,11.67,0.06,4,1.04
 2YWJ,LYS_30,9.8,-0.35,0,-0.34
 3BCH,GLU_69,2.82,0.23,-1.59,-0.33
 1GPP,HIS_453,6.85,-1.67,0.46,1.57
 3MEW,GLU_201,4.34,0.26,-0.18,-0.23
 3RKV,ARG_287,13.49,-1.42,0.88,1.54
 3F7M,ARG_156,11.51,-1.94,0.45,0.51
 3SMD,TYR_126,11.39,0.06,1.34
 3CJW,ARG_218,12.71,-0.59,0.03,0.77
 3P6,ASP_40,3.55,-0.51,-0.04,0.3
 3LJI,GLU_28,3.51,0.18,-1.18,0
 1MUF,ASP_256,4.04,0,-0.14,0.39
 1AKO,HIS_38,6.95,-0.32,0.45,0.33
 2FXT,LYS_333,9.88,-0.68,0,0.05
 2VGM,ASP_61,3.46,-0.52,0,0.18
 4HDE,LYS_117,10.39,-0.11,0,0
 3JV1,ARG_51,12.42,-0.08,0,0
 2AZP,LYS_252,10.45,-0.11,0,0.06
 1KCM,GLU_54,2.81,1.33,-2.24,-0.79
 2GEN,HIS_131,6.79,-0.3,0.49,0.11
 1R15,TYR_184,10.22,0,0.0,0.22
 2AD1,GLU_121,4.59,0.25,0,-0.16
 2G9D,HIS_121,6.79,-0.74,0.85,0.18
 1Q42,GLU_10,3,0.32,-1.44,-0.38
 1EYH,TYR_75,10.27,0,-0.39,0.66
 1O59,LYS_209,10.37,-0.13,0,0
 3UC9,GLU_69,4.63,0.13,0,0
 1SFE,ARG_110,11.57,-1.38,0,0.46
 3V1Q,CYS_635,11.64,-0.14,0.67,2.1
 1IAP,LYS_93,9.77,-0.87,0,0.14
 1M5I,GLU_190,4.5,0.32,0,-0.31
 1AD6,CYS_489,13.62,0.77,3.86
 2CBE,GLU_14,3.75,0.38,-0.63,-0.5
 2WB3,LYS_362,10.46,-0.04,0,0
 3TIR,GLU_217,3.71,0.38,-1.17,0
 3DTE,TYR_172,12.14,-0.85,0.01,2.98
 4AF2,ARG_47,12.46,-0.5,0.09,0.38
 1K95,CYS_76,11.05,0,0,2.06
 2EYI,GLU_257,4.72,0.14,0,0.08
 4E9E,GLU_575,4.29,0.12,-0.34
 1DTO,TYR_102,11.59,-0.85,0.8,1.64
 1Q2Y,HIS_44,5.33,-1.68,0.68,-0.16
 4D8L,HIS_152,2.89,-3.27,0,-0.33
 2V4U,HIS_323,5.52,-1.02,0,0.04

3GG6,LYS_130,10.61,-1.3,0.73,0.69
3FWU,GLU_72,3.92,0.46,-0.84,-0.19
2HRZ,ARG_63,12.57,-1.05,0.43,0.69
3IRA,GLU_136,4.11,0.44,-0.68,-0.15
4AE7,HIS_158,6.26,-0.24,0,0
3JZ9,LYS_466,11.27,-0.36,0.75,0.38
4DBX,ASP_145,3.44,-0.67,-0.07,0.39
3C2E,CYS_47,10.99,-0.81,0.14,2.66
3EYE,ARG_14,12.41,-0.21,0,0.12
3RNV,ARG_456,12.17,-0.36,0,0.04
2FBI,ARG_79,12.38,-0.17,0,0.05
1DVO,ARG_61,12.3,-0.23,0,0.03
2CWY,GLU_25,4.62,0.23,0,-0.11
1MJS,GLU_396,3.57,1.35,-1.3,-0.98
3IL3,ARG_248,11.64,-0.54,0,-0.33
2A1V,HIS_89,5.71,-0.37,0,-0.42
3Q6L,ASP_19,3.9,0,-0.14,0.25
2CBE,LYS_127,11.77,-0.31,0.74,0.84
3KEY,ASP_390,2.9,-1.24,-0.05,0.39
2QVT,LYS_145,10.09,-0.41,0,0
1MN3,LYS_410,10.42,-0.14,0,0.06
4H89,TYR_160,10.19,0.05,0,0.14
1W7B,TYR_235,9.82,-0.48,-0.29,0.59
1RAJ,TYR_326,10.56,0,0,1,0.47
3F5D,ASP_54,3.35,-1.07,-0.26,0.86
3GG6,ASP_55,3.18,-1.07,-0.46,0.9
1VJG,ARG_136,11.98,-2.19,0.72,0.95
1SIG,LYS_371,11.12,-0.53,0.85,0.3
1PDB,LYS_46,9.83,-0.73,0,0.05
3GFP,HIS_355,5.77,-0.83,0,0.1
2WB8,HIS_630,3.98,-2.45,0,-0.07
1U7U,ASP_279,3.94,0,-0.16,0.29
3R87,ARG_35,10.64,-2.21,0,0.34
2G9D,ARG_177,10.58,-2.2,0.02,0.26
2B61,ARG_231,12.38,-0.16,0,0.04
3N2T,GLU_258,4.66,0.24,0,-0.08
3GOZ,HIS_254,5.71,-0.59,0,-0.21
3BB7,GLU_98,4.49,1.72,-1.78,0.05
3RVC,CYS_116,9.91,-0.07,-0.32,1.3
1RWZ,ARG_16,12.12,-0.58,0,0.2
2QHT,HIS_82,2.55,-2.9,0.75,-1.8
3RE9,HIS_244,6.64,-0.48,0,0.63
2OGQ,GLU_569,4.72,0.28,0,-0.05
2H8O,ARG_328,12.58,-0.33,0,0.41
1O3X,CYS_256,11.07,0.01,2.06
3H13,TYR_451,10.13,0.0,0.13
2GVZ,ASP_82,2.79,-1.23,-0.44,0.66
2H85,CYS_333,10.36,0.11,1.25
3IPZ,LYS_89,10.29,-0.38,0,0.16
3T5B,LYS_103,10.84,-0.37,0.32,0.39
1YDL,LYS_17,11.32,-0.65,0.85,0.62
2HNG,LYS_67,10.34,-0.18,0,0.01
3DHN,LYS_49,10.11,-0.19,0,-0.19
1DZF,CYS_214,11.12,0.51,0.39,1.23
2XWS,GLU_22,3.42,0.48,-1.19,-0.36
1NUJ,ASP_191,3.49,-0.52,-0.07,0.27
3BQE,ASP_264,3.89,-0.47,-0.16,0.71
3QKY,LYS_58,11.01,-0.46,0.26,0.72
3RFY,LYS_123,11.51,-0.41,0.7,0.72
4F85,ARG_80,12.4,-0.48,0,0.38
2OGQ,TYR_445,11.76,0.05,2.12,1.23
1D2K,LYS_261,10.17,-0.41,0,0.08
1ANU,ASP_65,4.04,0,-0.06,0.3
4AE7,LYS_138,10.03,-0.47,0,0
3ADO,ARG_177,12.36,-0.14,0,0
1PSW,ARG_121,12.44,-1.96,0.9,0.99
1YLN,CYS_207,9.82,-0.25,0.17,0.89
1TUL,LYS_37,9.93,-0.54,0,-0.02
1H4U,GLU_448,3.58,0.35,-0.97,-0.31
3U2A,GLU_106,4.44,0.07,0,-0.14
1MIX,TYR_241,10.94,-0.45,0.29,1.11
2Q34,ARG_157,12.37,-0.21,0,0.03
1D7O,TYR_158,10.62,-0.06,0.08,0.65
2CWC,LYS_5,10.52,-0.1,0,0.11
2R51,LYS_286,10.28,-0.26,0,0.04
1W5P,LYS_59,11.84,-0.67,1.1,0.91
1ES9,ASP_192,2,-2.55,-0.56,1.31
3GW3,CYS_294,9.73,-0.06,0.21,0.58
2YWX,GLU_154,4.69,0.19,0,0
1OIS,LYS_248,10.16,-0.4,0,0.07
1S7K,TYR_66,10.06,0,-0.08,0.14
3H04,TYR_60,11.59,-0.85,0.06,2.39
1TR9,LYS_275,10.15,-0.3,0,-0.05
3RFF,GLU_132,4.39,0.21,-0.27,-0.05
1X6J,ASP_66,2.65,-1.31,-0.38,0.55
2H2W,TYR_193,10.35,0,-0.16,0.51
1Z9L,ASP_37,3.94,0,0,0.14
2QVO,ASP_30,3.99,0,-0.05,0.24
3RJJ,TYR_120,10.94,0.25,0.68
1WJG,LYS_23,10.32,-0.2,0,0.02
1O9G,ARG_118,12.34,-2.2,0,0.04
1BN6,GLU_219,5.89,2.4,-0.84,-0.17
2B61,LYS_286,10.38,-0.12,0,0
3G53,GLU_62,4.38,0.21,-0.28,-0.05
4DEZ,GLU_126,4.82,0.26,0,0.06
1WPA,TYR_420,9.83,-0.81,-0.16,0.8
3ONH,CYS_452,10.32,-0.24,0.09,1.47
3UX2,LYS_111,10.47,-0.03,0,0
4H4J,TYR_152,11.51,0.33,1.19
3BQW,TYR_266,11.08,-0.13,0.19,1.02
2V4U,LYS_306,10.92,-0.29,0.47,0.25
3DB9,ARG_221,12.51,-0.06,0,0.07
1OGL,HIS_72,6.34,-0.36,0.21
3F1X,GLU_149,4.49,0.29,-0.34,0.04
1ES9,ASP_20,3.28,-0.89,0,0.37
2INO,GLU_78,3.63,0.61,-1.24,-0.24
1AKI,TYR_83,12.67,0.68,0.64,1.35
2GEN,GLU_50,3.01,0.85,-1.47,-0.86
1O5T,LYS_102,10.57,-0.07,0,0.14
1LTU,ARG_4,12.47,-0.03,0,0
3H04,LYS_207,10.4,-0.1,0,0
2G9D,ARG_138,12.33,-0.24,0,0.07
2CWC,ARG_40,13.24,-0.37,0.55,0.56
1RKA,GLU_107,3.99,0.21,-0.72,0
3RJZ,LYS_102,10.35,-0.16,0,0.01
2GOV,LYS_33,10.33,-0.3,0,0.13
1SQW,TYR_92,9.29,-0.76,-0.38,0.43
1YLN,ASP_66,3.21,-0.48,-0.33,0.22
3HUE,LYS_262,10.45,-0.05,0,0
3BQW,CYS_63,11.54,0,2.234
3E5T,ARG_92,12.58,-3.35,0.72,2.71
1WXF,LYS_31,12.08,-0.83,1.62,0.79
2ZTY,LYS_92,10.38,-0.15,0,0.02
2X4G,ARG_170,12.73,-0.36,0.18,0.41
3EVN,GLU_280,4.56,0.59,-0.13,-0.39
2QHT,TYR_19,11.55,0.48,0.17,0.89
3LDD,TYR_79,10.86,0.06,0.8
4EF5,ARG_253,12.85,-0.8,0.18,0.97
1TXJ,ASP_129,3.9,0,-0.11,0.22
2IF4,GLU_120,4.9,2.25,-1.02,-0.84
1IAP,ASP_123,3.87,0,-0.26,0.33
2D25,ASP_561,4.02,0,-0.04,0.27
3C6B,ASP_264,3.93,-0.09,-0.04,0.27
3EVZ,LYS_61,9.85,-0.28,0,-0.37
3EJC,LYS_82,10.15,-0.23,0,-0.11
1SIG,ASP_173,3.72,0,-0.22,0.14
1L2H,GLU_83,4.17,1.27,-1.2,-0.39
3GYW,HIS_227,6.06,-0.61,0,0.17
2YLF,CYS_62,13.83,-0.05,1.54,3.34
2F4Q,ASP_305,4.05,-0.31,0.27,0.3
3FS3,TYR_79,11.62,0.06,1.55
1TXJ,GLU_137,4.91,0.22,0.18
2CWC,LYS_5,10.52,-0.1,0,0.11
3AU3,CYS_681,9.48,-0.07,-0.01,0.56
1SI7,LYS_13,10.03,-0.48,0,0
2PLQ,CYS_178,11.75,-0.66,0.33,3.09
1NAF,TYR_253,11.86,0.48,0.51,0.87
2B3M,ARG_81,12.5,-0.48,0,0.48
1NR1,LYS_137,10.39,-0.11,0,0
3QAV,GLU_114,3.68,0.34,-0.49,-0.67
3CXS,LYS_131,10.33,-0.52,0,0.34
1SNT,TYR_181,11.35,0.0,1.5,1.2
1TXJ,GLU_153,4.54,0.04,0,0
4DNU,GLU_88,3.94,0.67,-0.84,-0.39
3IJA,LYS_158,11.54,-0.22,0.81,0.45
2G55,ARG_108,12.33,-0.2,0,0.03
1WJG,ARG_70,12.46,-0.35,0.07,0.24
2ILR,CYS_477,10.52,-0.02,-0.02,1.56
1BN6,HIS_70,5.36,-1.05,0,-0.09
2NP6,ARG_11,12.33,-0.17,0,0
1NWA,LYS_6,10.26,-0.46,0.22
1W5P,LYS_233,10.03,-0.36,0,-0.11
3G65,GLU_89,3.86,0.29,-0.38,-0.55
3FTT,GLU_153,4.49,0.19,0,-0.2
2VC8,ARG_39,12.37,-0.14,0,0.01
1OGL,ARG_268,13.36,-0.33,0.6,0.6
1J33,GLU_134,4.04,0.27,-0.73,0
2QEV,ARG_126,12.31,-0.19,0,0
3BCY,HIS_144,5.82,-0.51,0,-0.18
3ZXY,ARG_93,12.32,-0.18,0,0
3IVF,HIS_228,4.23,-2.27,0,0
3CN5,ARG_39,12.05,-0.29,0,-0.16
1LFP,HIS_12,6.51,-0.31,0.56,-0.24
2QV2,GLU_170,4.52,0.06,0,-0.05
4FZN,HIS_136,2.38,-3.54,0,-0.58
3L7N,ARG_24,13.77,-0.57,1.31,0.52
1MIX,ARG_297,13.8,-0.31,0.87,0.73
2F9F,ARG_57,12.4,-0.1,0,0
3LQE,ARG_228,12.29,-0.21,0,0
2YWJ,GLU_25,4.64,0.28,0,-0.14
1ZCE,GLU_24,4.53,0.15,0,-0.12
3ANJ,ASP_326,3.03,-1.55,-0.59,1.36
1YTQ,ARG_144,13.17,-0.43,0.46,0.65
1RSS,ARG_102,11.77,-0.48,0,-0.25
2A0J,GLU_131,4.05,0.27,-0.33,-0.4
3K1H,ASP_104,3.94,0,0,0.14
1V43,ASP_275,4.47,0,-0.1,0.77
3IVF,ARG_195,12.87,-0.31,0,0.67
2QVO,GLU_12,3.36,0.35,-0.85,-0.64
1V43,LYS_121,10.49,-0.2,0.19
1EQ6,TYR_67,12.1,0.07,1.34
1F2V,HIS_83,6.37,-0.26,0,0.13
1NAF,ASP_204,3.45,-0.31,-0.28,0.23
1RLQ,GLU_139,4.28,0.38,-0.59,-0.01
4GA2,LYS_47,10.74,-0.25,0.03,0.46
2DVK,LYS_104,11.37,-0.22,0.72,0.37
3P28,GLU_76,4.68,0.18,0,-0.01
4DVD,ASP_158,3.5,-0.53,0,0.23
2NRK,LYS_28,10.54,-0.12,0,0.16
1RSQ,GLU_63,2.76,0.63,-1.59,-0.78
3DSH,ARG_263,10.16,-2.38,0,0.03
1SI7,CYS_90,11.97,-0.17,0.01,3.13
3E27,ARG_345,12.16,-0.74,0,0.41
2RIK,LYS_141,11.25,-0.82,0.85,0.72
2V4U,ASP_505,4.16,0.14,0.22
1J7G,LYS_61,10.39,-0.11,0,0
1TLV,TYR_188,9.84,0,-0.23,0.07
3FHF,GLU_185,3.87,0.46,-0.7,-0.39
1X7F,GLU_303,4.92,0.25,0,0.17
3ANJ,GLU_324,3.47,0.23,-0.85,-0.41
2Q13,ARG_46,12.4,-0.1,0,0
2GZR,ASP_126,3.21,-1.58,-0.08,1.09
2BDD,LYS_124,10.23,-0.32,0,0.06
3H6Q,TYR_120,11.05,0.22,0.82
3B7X,ARG_104,12.45,-0.39,0,0.34
2OSA,TYR_333,12.68,0.82,0.55,1.32
3QAV,LYS_6,11.69,-0.28,0.72,0.75
1WOU,HIS_16,6.58,-0.32,0,0.4
3ETU,LYS_149,10.45,-0.05,0,0
2RIS,LYS_125,10.28,-0.53,0,0.3
3ETU,ASP_335,3.62,-0.25,-0.38,0.45
1PGV,ASP_237,3.98,-0.03,-0.02,0.23
3EYE,GLU_67,4.59,0.13,-0.08,0.05
3Q1C,ARG_121,12.34,-0.47,0.31
3HUE,ARG_16,12.26,-1.61,0.56,0.81
4H4J,ARG_99,12.62,-1.31,0.73,0.69
3CAX,LYS_334,11.21,-0.4,0.7,0.41
3LH5,ARG_571,12.41,-0.16,0,0.07
2OB5,LYS_122,10.77,-0.31,0.17,0.41
3F6F,TYR_5,10.77,0,-0.2,0.97
3BB7,GLU_240,4.57,0.35,-0.08,-0.2
2EYI,CYS_41,12.6,-0.04,0.3,65
3K9L,GLU_125,5.31,0.26,0,0.55
1NAR,ASP_154,2.27,-1.62,-0.52,0.61
3FWU,ASP_93,3.45,-0.61,-0.08,0.34
3LJC,ARG_125,12.44,-0.46,0,0
3T5B,ARG_9,12.17,-0.6,0,0.27
2OEW,LYS_215,10.31,-0.19,0,0
2RGY,GLU_222,5.57,0.85,0,0.21
3DZ1,ASP_34,2.64,-1.39,-0.43,0.67
1PDB,HIS_87,5.86,-0.94,0.44,-0.15
2B3M,GLU_45,4.54,0.32,0,-0.28
1SQH,ARG_11,12.69,-0.63,0.48,0.34
3T57,ARG_275,12.17,-0.33,0,0
3G65,LYS_130,10.76,-0.5,0.38,0.37
1EV8,LYS_120,10.01,-0.49,0,0
3DB9,ASP_215,4.48,-0.79,0.1,47
4EVE,ASP_176,3.96,0,-0.59,0.75
1VJG,ASP_44,3.74,0,-0.35,0.29
1L2F,ARG_227,10.88,-3.01,0.53,0.86
2EYI,HIS_28,6.37,-0.16,0,0.03
2W1R,ASP_116,2.88,-0.78,-0.38,0.24
1E55,LYS_254,10.34,-0.44,0.28
1IAP,GLU_131,4.05,0.27,-0.33,-0.4
3LH5,GLU_665,4.68,0.31,0,-0.13
1YTD,HIS_182,6.21,-1.11,0,0.82
3C6B,LYS_36,10.5,-0.22,0,0.22
1XTD,ARG_79,12.67,-0.24,0,0.41
3L3P,GLU_375,4.48,1.58,-0.97,-0.63
3H5T,ARG_226,11.92,-0.61,0,0.02
1J8B,HIS_50,6.59,-0.4,0.33,0.16
2QRX,ARG_32,12.48,-0.23,0,0.22
1R16,CYS_248,12.57,-0.88,0.49,3.97
1ZYL,ARG_127,12.73,-0.7,0.31,0.62
3KT9,LYS_59,10.61,-0.27,0,0.37
3DSH,GLU_418,4.64,0.29,0,-0.15
3LPZ,TYR_182,12.14,0.85,0.45,0.85
1H09,ASP_67,3.07,-0.96,-0.18,0.4
1ZBP,GLU_117,4.15,0.19,-0.38,-0.17
2O8P,CYS_144,10.24,0,-0.06,1.3
2QEV,LYS_108,9.7,-0.63,0,-0.17
1U7U,LYS_403,10.57,-0.94,0.85,0.16
4DBX,ARG_41,13.45,-0.28,0.49,0.75
2ZCO,LYS_186,11.4,-0.25,0.73,0.42
4F85,ARG_215,13.17,-0.24,0.53,0.38
3TRE,ASP_26,3.59,-0.42,-0.15,0.36

2BAA,LYS_220,10.23,-0.47,0,0.2
2QVT,TYR_141,10.65,-0.05,0.07,0.63
3FTT,ARG_27,11.58,-1.3,0,0.4
3HNX,ASP_5,4.07,0,-0.04,0.3
1PSW,TYR_85,11.58,-0.69,-0.03,2.31
2QK1,ARG_335,13.21,-0.45,0.2,0.95
2BLL,ARG_472,12.09,-0.44,0,0.03
3CSR,TYR_155,10.36,0,0.04,0.32
2R4Q,LYS_242,10.78,-0.12,0,0.4
1VJG,ARG_71,12.53,-0.44,0,0.47
4EZB,ASP_217,4.61,0,0.5,0.31
4ETX,ARG_246,12.73,-0.21,0,0.44
3T57,HIS_199,5.11,-1.35,0,-0.03
3ASA,ARG_309,11.64,-1.34,0.1,0.38
3LJI,TYR_38,10.77,0,0,0.76
2CXA,ARG_114,12.62,-0.07,0,0.19
1MTZ,ASP_268,4.15,0,0.11,0.23
3P51,ASP_26,2.67,-1.64,-0.24,0.75
1X8F,GLU_279,4.46,0.11,0,-0.16
3M16,ARG_307,12.46,-0.27,0,0.23
4EZB,GLU_159,4.72,0.22,0,0
1V43,ARG_148,11.66,-0.84,0,0
2XMX,ASP_251,3.75,0,-0.27,0.22
1S17,LYS_118,11.08,-0.31,0.39,0.5
1AKO,TYR_248,11.41,-1.11,-0.25,2.78
1X6J,ASP_2,3.34,-0.52,-0.3,0.35
4DNU,ARG_323,12.63,-0.21,0,0.34
3CSR,TYR_87,10.46,0,-0.26,0.72
3CRM,ASP_262,3.63,-0.49,-0.71,1.03
1LPL,ASP_227,3.91,0,0,0.11
3T8R,LYS_62,10.46,-0.04,0,0
3C38,GLU_98,4.62,0.12,0,0
4EVF,ASP_281,2.99,-1.25,-0.11,0.55
1XEU,GLU_123,4.78,0.91,-0.51,-0.12
1P6F,ARG_164,12.21,-0.4,0,0.11
3F5D,ARG_144,12.37,-0.39,0,0.25
1SOH,ASP_161,3.54,-0.49,-0.06,0.29
3F7M,ARG_116,12.58,-1.91,1.37,0.63
3V55,ARG_719,10.99,-1.81,0,0.31
2XHC,LYS_69,10.19,-0.39,0,0.08
1CBY,ASP_196,3.52,-0.91,-0.06,0.7
2P1W,TYR_236,11.82,0,-0.07,1.88
1Q46,ARG_53,12.33,-0.16,0,-0.01
4H86,TYR_153,11.91,0,0.12,1.79
1YG2,GLU_24,5.47,0.86,0,0.11
2EDM,ASP_93,3.52,-0.56,-0.04,0.31
2RFA,ARG_46,4.68,0.22,0,-0.05
2R51,ARG_131,13.17,-0.89,0.75,0.81
2ZOM,ARG_298,12.6,-0.8,0.02,0.87
1UCH,ARG_66,12.68,-0.86,0.29,0.76
1TR9,ARG_67,11.88,-0.51,0,-0.1
2EYI,LYS_195,10.91,-0.1,0.2,0.32
1O59,HIS_149,5.57,-1.85,0.79,0.14
3ONT,GLU_109,4.84,0.26,0,0.09
1NAF,ARG_180,12.43,-0.07,0,0
2ATR,LYS_96,10.36,-0.14,0,0
3G9T,ARG_60,12.7,-0.78,0.55,0.43
2H30,LYS_180,10.42,-0.08,0,0
3ZXV,CYS_32,11.87,-0.05,0.07,2.86
1G5Z,LYS_184,10.51,-0.16,0,0.16
2O8I,TYR_26,10.53,0,0.02,0.51
2D7J,GLU_168,5.39,4.62,-1.65,-2.07
4ACJ,GLU_637,2.64,0.5,-1.53,-0.83
1FQI,LYS_344,10.99,-0.2,0.69
2JKF,CYS_122,12.08,-0.03,3.11
1DUN,ARG_13,12.58,-0.08,0,0.16
3ZSL,ASP_239,2.76,-1.5,-0.24,0.69
3E7P,LYS_256,11.69,-0.46,0.85,0.8
1JKS,LYS_29,11.18,-0.35,0.65,0.38
2WZ9,GLU_69,5.14,0.35,0,0.29
1X9G,GLU_157,5.64,1.47,0,-0.35
2OKT,HIS_112,6.13,-1.23,0.82,0.04
1PBV,ASP_161,3.24,-0.84,-0.06,0.34
1KCM,LYS_128,10.34,-0.16,0,0
2W1R,ASP_154,3.24,-0.76,-0.06,0.27
1YIB,ASP_190,3.88,0,0,0.08
2AXO,TYR_82,12.5,-0.16,0.23,2.44
4F85,ASP_155,3.09,-0.58,-0.54,0.41
2OOK,ASP_79,4.43,-0.18,-0.05,0.86
1T6L,LYS_192,10.59,-0.31,0,0.41
2Q07,LYS_339,9.54,-0.99,0,0.02
1BKB,LYS_107,10.62,-0.2,0,0.32
2D8N,HIS_68,5.2,-1.65,0.55,-0.2
2EFK,ASP_200,3.91,-0.02,-0.26,0.41
1KCM,GLU_211,3.31,1.57,-2.22,-0.55
1ZHV,LYS_8,10.33,-0.19,0,0.02
3BB7,GLU_282,4.6,1.73,-0.85,-0.79
1J85,ARG_46,12.44,-0.12,0,0.06
1SNT,HIS_18,6.51,-0.38,0.14,0.24
3ONT,CYS_67,10.31,0.07,0.39,0.85
1DTO,TYR_155,10.56,0.23,0.32
1P4X,HIS_185,3.44,-2.05,0,-1.01
2V81,GLU_187,3.94,0.2,-0.72,-0.04
1TXJ,LYS_106,11.11,-0.88,0.81,0.67
1DCF,LYS_112,12.44,-0.95,1.52,1.37
1FO9,ARG_393,12.51,-0.37,0,0.38
4GA2,ASP_77,3.17,-0.68,-0.23,0.27
1EKU,LYS_57,9.92,-0.32,0,-0.26
2BDD,ARG_36,12.37,-0.42,0,0.28
1RIG,ARG_152,12.63,-0.91,0.07,0.97
2CIU,LYS_217,10.56,-0.17,0,0.23
1R3D,HIS_53,5.18,-2.23,0.8,0.11
3OIP,GLU_176,4.49,0.27,-0.34,0.06
3M16,CYS_246,12.51,-0.11,0.42,3.21
3E7P,LYS_257,10.12,-1.25,0.85,0.02
1ZBP,GLU_128,4.7,0.13,0,0.07
2GZR,ASP_100,3.47,-0.79,-0.13,0.59
3Q48,TYR_82,12.56,0.06,3,1.94
2Q13,TYR_378,10.22,0.0,17,0.04
2F4Q,TYR_55,10.66,0.18,0,0.49
2FC3,GLU_88,4.53,0.17,0,-0.15
2ZOM,LYS_161,11.06,-0.18,0.36,0.38
1WNN,HIS_211,6.01,-0.28,0,-0.21
2VGY,CYS_113,11.44,-0.07,0.21,2.3
2XHC,LYS_227,9.86,-0.35,0,-0.29
2DFL,ARG_157,11.41,-1.21,0,0.12
3BPP,GLU_191,3.31,0.57,-0.82,-0.94
1JB3,ARG_40,13.17,-0.3,0.7,0.27
2PP6,ARG_78,12.35,-0.2,0,0.04
1O5J,LYS_56,10.3,-0.59,0,0.39
2OKT,LYS_131,10.4,-0.13,0,0.02
2FPN,GLU_116,5.37,1.98,-1.08,-0.04
3C6B,ARG_294,13.45,-0.31,0.67,0.59
1R53,CYS_221,12.69,-0.54,0.43,3.81
2ZOM,LYS_176,10.06,-0.4,0,-0.02
1TLV,HIS_159,3.46,-2.11,0,-0.92
2CXA,HIS_73,6.19,-0.24,0,-0.07
1GXN,LYS_405,11.33,-0.4,0.85,0.37
3CQ1,HIS_57,6.32,-0.18,0,0
3SMD,LYS_77,10.76,-0.14,0,0.4
2YWK,CYS_56,9.01,-0.94,-0.13,1.07
4FD6,LYS_188,10.5,-0.34,0,0.33
2NRK,GLU_69,4.46,0.24,0,-0.28
2YXO,ARG_29,12.92,-0.49,0.55,0.36
1UOH,LYS_135,10.18,-0.71,0,0.39
1X9G,CYS_34,12.4,-0.06,0.07,3.38
3M3P,GLU_45,3.77,0.39,-0.84,-0.28
1SQW,GLU_49,4.38,0.31,0,-0.43
4DEZ,GLU_135,4.67,0.17,0,0
1X9G,ASP_119,3.63,-0.84,-0.2,0.86
1BGF,LYS_84,10.17,-0.17,0,-0.15
1ANU,LYS_28,10.62,-0.17,0,0.28
3KB5,ARG_368,11.08,-1.73,0,0.31
1T6L,HIS_56,6.57,-0.26,0,0.33
3GW3,GLU_114,4.8,0.19,0,0.11
1PDB,GLU_171,4.47,0.24,0,-0.27
3C2E,ASP_25,4.18,0,0.01,0.37
2A1V,LYS_37,10.07,-0.39,0,-0.05
2WB3,ARG_330,13.49,-0.34,0.93,0.39
3N2T,GLU_66,5.14,1.17,0,-0.52
3HUE,ASP_269,4,-0.81,-0.13,1.14
1H09,ASP_136,2.99,-1.27,0,0.47
2IQT,ASP_109,3.84,0,-0.08,0.11
2A0J,HIS_70,6.34,-0.34,0,0.18
3HNG,GLU_97,3.92,0.21,-0.69,-0.1
3MTT,GLU_465,4.79,0.22,0,0.08
1O59,CYS_282,9.62,0,-0.39,1
2OOK,LYS_60,10.38,-0.12,0,0
3CX5,CYS_150,10.6,-0.05,-0.25,1.89
3BQE,ASP_219,2.87,-0.85,-0.38,0.3
2B02,ARG_440,12.42,-0.23,0,0.15
2OSA,GLU_313,4.74,0.23,0,1.73E-17
1FQI,ARG_295,12.51,-0.28,0,0.29
1E8V,TYR_153,10.26,0.0,1,0.16
1XKR,LYS_54,10.47,-0.11,0,0.08
2BV9,ARG_265,13.88,-0.62,1.51,0.49
2I88,LYS_379,10.18,-0.54,0,0.21
1SJV,LYS_78,11.39,-0.27,0.78,0.38
2V4U,ASP_435,3.69,-0.47,-0.38,0.74
1DTO,TYR_178,10.27,0.0,0.1,0.26
2Q99,LYS_254,10.4,-0.1,0,0
1CBY,TYR_213,13.24,0.0,15,3.09
1RWZ,LYS_79,10.41,-0.26,0,0.17
3HKX,TYR_166,10.65,0.0,2,0.44
2OEW,GLU_35,4.81,0.31,0,0
1A8Q,LYS_234,10.32,-0.3,0,0.13
2FL4,ASP_78,1.91,-2.08,-0.38,0.56
2Z14,LYS_29,10.42,-0.08,0,0
2QV2,ARG_130,12.89,-0.34,0.11,0.62
3CAN,GLU_82,3.45,0.36,-1.32,-0.09
1SNT,ARG_204,12.54,-0.06,0,0.11
2I88,ASP_456,3.89,0,-0.12,0.22
2WOZ,ARG_464,13.62,-0.7,1.35,0.46
2RGY,CYS_145,10.47,-0.07,0.03,1.5
1WYC,ARG_190,12.15,-0.22,0,-0.12
2E3S,TYR_381,10.1,0,0,0.1
1TD6,ASP_151,2.89,-1.45,-0.19,0.73
4EF5,ARG_281,12.39,-0.11,0,0
3BB7,GLU_273,4.42,0.41,-0.74,0.24
4ETX,ARG_330,13.57,-2.19,1.49,1.78
2OBI,ARG_33,12.47,-0.25,0,0.22
3GMS,TYR_303,10.27,-0.18,0.1,0.36
1TWU,GLU_109,4.75,0.23,0,0.03
1PSW,GLU_164,3.64,0.28,-0.68,-0.45
1OTM,ARG_184,12.32,-0.18,0,0
2FBI,ASP_75,3.53,0,-0.7,0.43
2QRK,CYS_59,10.8,-0.13,0.2,1.74
3GS3,ASP_209,3.67,0,-0.28,0.15
1A8Q,ASP_74,1.69,-2.24,-1.11,1.24
3BPP,HIS_107,3.64,-2.96,0.27,-0.18
1EDG,ASP_126,2.95,-1.28,-0.46,0.88
1J33,GLU_239,3.17,1.17,-1.66,-0.85
2OKT,GLU_94,4.01,0.56,-0.5,-0.56
4E6S,HIS_64,6.17,-0.26,0,-0.06
3FXH,TYR_56,9.86,0,-0.32,0.18
2CWY,ARG_56,12.35,-0.15,0,0
3EVP,LYS_119,10.26,-0.22,0,-0.01
1UOH,GLU_120,3.66,0.26,-0.81,-0.29
1YG2,HIS_128,6.1,-0.51,0,0.11
2P52,LYS_117,10.25,-0.11,0,-0.13
1R53,ASP_339,4.78,0,-0.16,1.13
2BAA,TYR_230,11.81,0.8,0.53,0.47
1WP5,HIS_125,6.08,-0.5,0.11,-0.03
3S0A,LYS_102,11.42,-0.43,0.81,0.53
1R15,GLU_246,4.46,0.83,-0.65,-0.21
1J85,CYS_83,9.08,0,-0.17,0.26
1R16,HIS_314,6.63,-0.23,0.31,0.06
2D7J,LYS_40,10.35,-0.26,0,0.11
2Q99,ASP_281,3.88,-0.57,-0.09,0.75
3H04,HIS_237,6.21,-0.29,0,0
3Q1C,ARG_364,10.24,-3.36,0,1.1
3J5N,HIS_49,6.47,-0.4,0,0.37
2W0G,TYR_174,11.24,0,0.02,1.22
1H09,TYR_293,10.22,0,0.22
3VJ8,GLU_250,3.92,0.31,-0.78,-0.11
1SBX,GLU_183,3.9,0.42,-0.58,-0.45
1NAF,LYS_195,10.6,-0.1,0,0.2
4E8B,GLU_162,2.41,1.3,-2.07,-1.32
2PLQ,LYS_197,11.53,-0.39,0.85,0.57
1WRU,CYS_118,12.01,0,-0.09,3.11
3QAV,ASP_63,2.8,-1.83,-0.45,1.27
2EHG,TYR_132,10.92,0.27,0.65
1FKM,ARG_370,12,-1.03,0.21,0.31
2A0J,ARG_82,11.78,-0.84,0,0.12
2P1W,GLU_184,4.95,3.03,-2.44,-0.15
1YDL,GLU_11,4.42,0.12,0,-0.19
2CN1,HIS_145,6.67,-0.4,0.57,0
3F53,TYR_54,10.21,0,0.03,0.19
2WB8,GLU_554,4.43,0.63,-0.29,-0.42
3GS9,TYR_308,10.29,0.15,0.15
2QDJ,LYS_329,10.39,-0.2,0,0.08
4F85,GLU_78,4.23,0.56,-0.83,0
3HVM,GLU_145,6.57,4.66,-1.16,-1.44
2BLL,ARG_505,13.34,-1.68,1.33,1.19
1DTO,ASP_122,3.99,0,-0.01,0.2
2V1L,ASP_54,3.37,-0.61,0,0.18
3MEW,TYR_260,12.75,-0.77,0.04,3.47
2GMV,ASP_202,3.32,-0.76,-0.55,0.84
2DVK,ARG_27,12.17,-0.64,0.06,0.25
3V4G,GLU_150,4.67,0.2,0,-0.03
3AU3,ASP_539,3.58,-0.03,-0.44,0.25
1O6D,ARG_39,12.54,-0.65,0.06,0.69
3CAX,LYS_410,10.47,-0.14,0,0.11
4E8B,GLU_122,4.61,0.11,0,0
2I88,ASP_473,2.88,-0.96,-0.3,0.35
1MIX,LYS_364,10.45,-0.05,0,0
1Z9L,ARG_38,12.02,-0.5,0,0.01
2B0J,HIS_52,5.66,-1.43,0.83,-0.23
2V4U,ARG_508,12.41,-1.3,0,1.2
3H8Y,ARG_15,12.43,-0.27,0,0.21
2YLF,TYR_117,10.07,0,0,0.07
1IAP,GLU_203,4.56,0.24,0,-0.18
1NJ4,GLU_251,3.74,1.03,-1.5,-0.31
3N0K,GLU_122,4.12,0.85,-0.65,-0.59
2HP7,GLU_60,3.9,0.38,-0.85,-0.13
4E8B,GLU_122,4.61,0.11,0,0
3RHE,ASP_80,3.43,-0.77,-0.1,0.5
1E59,GLU_38,4.74,0.29,0,-0.05
1TWU,HIS_56,6.32,-0.26,0,0.08
2CN1,TYR_96,10.83,0,0.23,0.61
3RE9,LYS_116,11.39,-0.38,0.85,0.43
1R15,GLU_31,10.22,-0.21,0,-0.08
3ETU,TYR_226,11.78,0,0.33,1.44
3NZL,LYS_65,11.36,-0.44,0.85,0.45
3JV1,ASP_177,4.3,0,0.27,0.22
1VSM,ARG_95,12.41,-0.09,0,0

2OKT,ASP_39,3.14,-0.92,-0.21,0.46
 1UOH,HIS_177,5.37,-2.05,0.78,0.16
 1RKA,ASP_67,2.06,-2.74,-0.05,1.07
 1WLY,GLU_257,4.25,0.35,-0.71,0.11
 2Q34,GLU_158,4.62,0.37,0,-0.25
 3IV4,GLU_106,4.84,0.16,0,0.18
 2XHC,LYS_4,10.41,-0.15,0,0.06
 2A6B,GLU_212,9.16,4.13,0,0.54
 3BQW,TYR_191,10.28,0,0.12,0.16
 3OOP,ASP_107,4.01,0,-0.07,0.29
 2DOA,TYR_210,13.63,0,0.27,3.37
 1UAJ,ASP_135,2.86,-0.85,-0.38,0.29
 1MTZ,ASP_222,2.99,-0.74,-0.38,0.32
 2OEW,LYS_298,10.81,-0.13,0,0.44
 3FRR,LYS_38,10.77,-0.22,0.01,0.48
 3CRM,ARG_213,11.86,-0.64,0,0
 2AHE,ARG_142,12.54,-0.22,0,0.27
 3I4T,GLU_183,4.51,0.01,0,0
 1ZP2,GLU_225,5.41,0.72,0,0.19
 3EZ7,LYS_286,10.38,-0.12,0,0
 2YT4,ARG_696,10.65,-1.99,0,0.14
 4EVF,LYS_295,10.1,-0.49,0,0.08
 3IVF,TYR_199,11.78,0.85,0.37,0.56
 1RAJ,LYS_311,10.66,-0.72,0.11,0.76
 2ZCO,ASP_109,4.07,0,-0.47,0.74
 1NAR,LYS_197,10.51,-0.12,0,0.13
 2FL7,ASP_205,3.49,-0.85,-0.73,1.27
 3RHE,LYS_89,10.31,-0.21,0,0.01
 1XWM,TYR_206,9.88,-0.04,-0.35,0.27
 1P4X,LYS_178,10.35,-0.16,0,1.39E-17
 3MTT,LYS_541,10.44,-0.12,0,0.06
 1XFK,ASP_234,3.78,0,-0.25,0.24
 1UOH,LYS_30,10.47,-0.05,0,0.02
 1R53,ARG_132,11.01,-1.43,0,-0.06
 2B0J,LYS_182,10.19,-0.31,0,0
 3C2E,ARG_143,11.86,-0.51,0,-0.13
 3T5B,ASP_396,4.23,0,0.21,0.21
 2QRX,TYR_108,11.41,0,-0.12,1.52
 200K,ARG_95,12.21,-0.22,0,-0.07
 3DTE,ARG_107,12.49,-0.12,0,0.11
 2B0A,GLU_186,4.77,0,11.0,0.13
 1V43,GLU_261,4.8,0.31,0,-0.01
 1L2F,GLU_171,4.44,0.2,0,-0.25
 4EVF,GLU_33,3.29,0.53,-0.84,-0.89
 1PSW,TYR_135,13.2,0,1.06,2.15
 1XKR,GLU_42,5.32,0.76,0,0.07
 3R2E,LYS_95,10.56,-0.22,0,0.28
 2P1W,HIS_106,5.42,-2.18,0.85,0.25
 1O6D,ARG_28,13.61,-0.59,1.25,0.45
 1F09,ARG_427,12.25,-0.25,0,-0.01
 2RGY,GLU_323,4.52,0.93,-0.68,-0.24
 4FD6,GLU_156,4.36,1.14,-0.85,-0.42
 2P65,ASP_51,3.99,0,-0.08,0.21
 2A1V,CYS_17,11.79,-0.94,0.29,3.44
 1ZP2,HIS_176,6.05,-0.26,0,-0.19
 1T07,ASP_40,4.14,0,-0.1,0.45
 2ZCX,GLU_145,4.51,1.33,-0.9,-0.41
 2EYI,GLU_57,4.74,0.34,0,-0.09
 3R87,ASP_83,3.99,0,-0.1,0.28
 1X9G,CYS_156,11.46,0,0.07,2.39
 1GXN,TYR_518,10.58,0,-0.03,0.61
 3BCH,HIS_193,6.97,-0.26,0.66,0.07
 1MUF,ASP_161,4.03,0,0.01,0.22
 1X7F,LYS_170,10.15,-0.53,0,0.18
 4H86,ASP_27,3.25,-0.29,-0.41,0.16
 1WYC,ASP_384,2.7,-1.3,-0.73,0.93
 2RJD,LYS_480,10.65,-0.31,0,0.45
 1C44,LYS_100,10.27,-0.13,0,-0.11
 1S1G,ASP_191,3.97,0,-0.19,0.36
 3C38,LYS_142,10.96,-0.2,0.32,0.34
 2FC3,ASP_58,3.86,0,-0.14,0.2
 1DTO,ASP_153,3.62,-1.02,-0.26,1.11
 2ZTY,TYR_22,10.06,0,-0.07,0.13
 1DZF,LYS_91,10.46,-0.04,0,0
 3NR5,ASP_22,3.73,0,-0.21,0.14
 1RLO,ASP_29,2.12,-1.86,-0.28,0.47
 1ZBM,TYR_149,11,0,0.49,0.51
 2AD1,ASP_27,4.26,0,0.15,0.31
 2H2W,ARG_180,13.37,-0.31,0.78,0.39
 4H89,ARG_144,12.22,-0.28,0,0
 1VSM,GLU_157,4.97,0.43,0,0.05
 3MEW,ARG_165,12.54,-0.38,0.03,0.39
 1X1E,GLU_92,4.65,0.11,0,0.04
 2EFK,GLU_92,4.7,0.22,0,-0.01
 3CBN,HIS_164,6.38,-0.09,0,-0.03
 3CRM,ARG_95,12.82,-0.35,0.33,0.34
 4FH3,LYS_240,11.06,-0.61,0.85,0.32
 3GMS,GLU_319,4.57,0.13,0,-0.06
 1XDZ,TYR_225,9.91,-0.41,-0.35,0.68
 2P52,ASP_181,2.05,-1.62,-1.06,0.94
 2X4J,LYS_20,10.4,-0.32,0,0.21
 1EV8,GLU_223,4.61,0.16,0,-0.05
 1YTQ,GLU_138,3.14,0.5,-1.39,-0.47
 3LD1,CYS_356,8.68,-0.92,-0.2,0.8
 1FKM,HIS_327,6.4,-0.14,0,0.04
 2Z61,TYR_261,10.41,0,-0.09,0.49
 1LPL,GLU_153,3.78,0.43,-0.57,-0.57
 4HDE,GLU_38,4.43,0.91,-0.85,-0.13
 2AZP,CYS_73,10.16,0,-0.01,1.17
 1LZL,TYR_220,11.15,0,0.13,1.02
 1X8F,LYS_2,10.44,-0.12,0,0.07
 1JB3,GLU_12,4.75,0.5,-0.03,-0.22
 1AK1,TYR_165,12.65,0,0.02,2.63
 1MIX,LYS_196,10.43,-0.06,0,0
 3T5B,GLU_296,5.16,0.61,0,0.06
 1KCM,LYS_55,10.43,-0.07,0,0
 2ZQ5,CYS_266,11.8,-0.02,0.03,2.79
 3G9G,ARG_98,13.22,-0.27,0.5,0.49
 1ZHV,ASP_56,3.71,-0.37,0,0.27
 3GOZ,LYS_153,9.94,-0.87,0,0.3
 1NRI,ARG_149,12.55,-0.36,0,0.41
 2X5Y,GLU_739,2.96,0.99,-1.7,-0.84
 3MM4,ARG_987,11.92,-1.15,0,0.58
 3ZXY,ASP_175,2.15,-1.73,-0.58,0.64
 2PLQ,ASP_294,3.57,-0.28,-0.11,0.16
 1NAF,LYS_183,10.45,-0.05,0,0
 2R05,GLU_302,4.39,0.27,-0.49,0.11
 4AM1,LYS_180,10.52,-0.68,0.34,0.37
 1YR6,TYR_64,10.27,-0.46,0.39,0.34
 2ZCO,ASP_5,2.37,-1.35,-0.46,0.38
 2AXO,GLU_160,4.93,0.23,0.06,0.15
 1SQH,ASP_8,2.85,-2.26,-0.19,1.49
 1KCM,GLU_46,4.72,0.22,0,0
 1X1E,ASP_220,2.86,-0.68,-0.71,0.45
 1XKR,ASP_103,2.61,-1.63,-0.01,0.45
 1ZKZ,CYS_73,9.47,0,0.19,0.28
 1IAP,ASP_182,3.58,-0.5,-0.02,0.3
 1TJE,ARG_123,12.48,-0.43,0.13,0.28
 2APL,GLU_64,4.55,0.15,0,-0.1
 3Q1C,GLU_392,3.61,2.25,-2.35,-0.79
 3V55,ASP_522,3.03,-0.79,-0.26,0.28
 2Q98,ASP_41,3.55,-0.57,-0.43,0.75
 1ZYL,GLU_300,4.78,0.17,0,0.11
 1DOV,GLU_88,4.63,0.13,0,0
 1ILW,GLU_107,4.79,1.11,-0.78,-0.04
 2R51,ARG_247,12.23,-0.28,0,0.01
 3OIP,LYS_205,10.18,-0.38,0,0.06
 1S7K,HIS_149,6,-0.28,0,-0.22
 2WOZ,LYS_303,10.23,-1.01,0,0.75
 2GZQ,ARG_161,12.76,-1.89,1.12,1.03
 1SJ8,CYS_575,9.38,0,0.06,0.31
 2VAN,TYR_173,11.81,0,-0.13,1.93
 2A6B,GLU_112,4.67,0.15,0,0.02
 2B0A,LYS_105,10.62,-0.35,0,0.47
 2P65,ARG_79,11.86,-0.68,0,0.04
 2ZOM,ASP_249,2.26,-1.3,-0.79,0.56
 2IF4,ASP_48,3.84,-0.57,-0.04,0.66
 1I60,LYS_17,10.44,-0.29,0,0.23
 1CHD,GLU_317,4.08,0.31,-0.49,-0.25
 1XKR,GLU_5,3.62,0.28,-0.76,-0.4
 2E0T,ARG_81,12.47,-0.06,0,0.03
 3G9G,TYR_40,9.1,-0.5,-0.84,0.45
 2H2W,ARG_248,12.05,-0.24,0,-0.21
 1MTZ,ASP_154,3.15,-0.5,-0.51,0.36
 2H2Z,CYS_145,11.65,-0.06,0.01,2.7
 3I4T,LYS_227,10.85,-0.42,0.38,0.39
 3L3P,GLU_468,4.77,0.34,0,-0.07
 2CXK,LYS_103,10.53,-0.26,0,0.29
 1NJ4,TYR_297,10.76,0.3,0.45
 1YTQ,HIS_180,6.89,-0.35,0.74,0
 1U7U,ARG_248,12.57,-0.68,0.34,0.41
 3V3T,ARG_149,13.27,-0.22,0.67,0.33
 3K8J,LYS_151,10.43,-0.07,0,0
 2H14,ARG_154,12.78,-0.99,0.55,0.71
 2H14,LYS_81,10.03,-0.73,0,0.26
 2B78,GLU_302,4.51,0.01,0,0
 1T95,ARG_196,12.34,-0.19,0,0.03
 2WB3,LYS_368,10.46,-0.04,0,0
 3QKY,HIS_67,5.99,-1.05,-0.01
 2I6I,ASP_49,2.81,-0.85,-0.42,0.28
 3V75,ARG_263,12.41,-0.5,0.15,0.25
 1MML,ASP_83,3.57,-0.48,0,0.26
 3I4T,GLU_47,4.61,0.11,0,0
 3DHN,LYS_5,10.62,-0.09,0,0.22
 1O59,TYR_170,10.39,-0.85,-0.01,1.26
 4DNU,TYR_201,10.34,0,-0.1,0.43
 1O9G,ARG_42,12.82,-1.18,1.16,0.34
 2FXT,ARG_294,12.28,-0.26,0,0.05
 1MD6,LYS_92,10.46,-0.11,0,0.07
 3UV9,ASP_368,2.23,-1.81,-0.34,0.57
 2AHE,GLU_93,4.56,0.27,0,-0.21
 3ANJ,LYS_333,9.97,-0.58,0,0.05
 1UAJ,HIS_0.597,-0.35,0,-0.18
 3RE9,GLU_76,4.77,0.79,0,-0.52
 3CN5,HIS_210,2.56,-3.44,0,-0.5
 3I00,ASP_108,2.63,-1.36,-0.2,0.39
 2DVK,ARG_78,12.24,-0.26,0,0
 3V55,ARG_465,13.69,-0.84,1.1,0.92
 1MD6,TYR_100,10.56,0,-0.12,0.68
 3NBI,CYS_30,11.33,0,0.2,33
 1FKM,ASP_259,1.94,-1.66,-0.81,0.61
 3HYQ,ARG_105,12.31,-0.19,0,0
 3EGN,ASP_445,2.87,-1.2,-0.02,0.3
 2CN1,LYS_284,10.5,-0.22,0,0.22
 4ESS,ARG_51,12.57,-0.27,0,0.35
 3EVZ,ARG_70,11.57,-2.1,0.11,1.05
 2FG1,GLU_106,5.61,1.02,0,0.09
 1A8Q,LYS_171,10.42,-0.08,0,0
 1WYC,ARG_234,12.66,-1.99,0.84,1.32
 2RIS,LYS_119,10.5,-0.11,0,0.11
 2GZQ,LYS_140,10.91,-0.14,0,0.56
 1TLV,LYS_127,9.51,-0.79,0,-0.21
 3OKQ,GLU_638,3.78,0.46,-0.79,-0.38
 4ACJ,TYR_717,12.53,-0.85,0.22,3.16
 1KN3,ARG_49,12.83,-0.92,0.8,0.44
 1OTM,ASP_189,4.01,-0.85,0,1.06
 2PIM,ARG_109,12.24,-0.38,0,0.12
 2V81,GLU_119,4.62,0.12,0,0
 2FM9,CYS_69,11.37,-0.2,0.2,56
 3DHN,ASP_126,3.83,-0.05,-0.16,0.23
 3ZXY,ARG_50,13.8,-0.17,0.99,0.48
 1TD6,LYS_138,10.36,-0.14,0,0
 1O5T,LYS_204,10.33,-0.19,0,0.02
 3G59,GLU_232,5.14,0.5,0,0.15
 2B0J,LYS_30,10.44,-0.12,0,0.06
 1X04,ASP_32,4.11,0,0.17,0.14
 3U2R,ARG_23,12.51,-0.17,0,0.18
 4FZN,ASP_167,4,0,0,2
 3UAH,LYS_229,11.34,-0.44,0.85,0.44
 2IQT,ARG_270,12.44,-0.06,0,0
 3CO1,LYS_84,10.34,-0.33,0,0.16
 1WNH,GLU_2,4.28,0.45,-0.6,-0.07
 3BQW,ARG_305,13.72,-0.24,1.01,0.44
 3FK5,HIS_13,4.78,-1.73,0,0.1,0
 1JT9,HIS_56,6.28,-0.83,0.37,0.24
 1DVO,LYS_119,10.32,-0.21,0,0.03
 1JYH,GLU_9,4.55,0.1,0,-0.06
 1R3F,GLU_217,3.92,0.37,-0.74,-0.21
 2DVK,GLU_50,4.61,0.11,0,0
 2Q55,TYR_127,10.76,0,0.76
 3TIR,ARG_58,12.38,-0.26,0,0.14
 2HRZ,GLU_2,3.92,0.27,-0.85,0
 3T8R,LYS_6,10.32,-0.2,0,0.02
 3EJG,HIS_64,5.93,-0.57,0,0
 3TIR,ASP_200,3.8,-0.39,0,0.39
 3O48,GLU_92,4.82,0.84,-0.3,-0.23
 3EVN,HIS_298,6.15,-0.48,0.07,0.06
 1XDZ,GLU_37,4.84,0.23,0,0.1
 3B21,LYS_41,10.38,-0.42,0,0.29
 1PNE,TYR_128,9.76,-0.63,0.14,0.25
 2XJ4,TYR_269,9.15,-0.72,-0.39,0.26
 3OANT,TYR_20,11.69,0,0.31,1.38
 3ZXY,ARG_237,13.15,-0.15,0.52,0.28
 3ONH,GLU_492,4.9,0.28,0,0.12
 2IXM,LYS_183,10.16,-0.39,0,0.06
 2G9D,ASP_337,4.07,0,-0.1,0.36
 1AK1,TYR_125,12.64,0,-0.13,2.77
 3LME,LYS_86,10.6,-0.11,0,0.23
 3ETV,GLU_287,4.78,0.4,0,-0.12
 4DNU,ASP_294,2.58,-1.22,-0.37,0.37
 1TR9,HIS_165,5.75,-1.9,0.54,0.6
 3QAV,ASP_214,3.85,0,-0.06,0.11
 3KT9,LYS_75,10.55,-0.14,0,0.2
 3Q2C,ASP_89,2.88,-0.85,-0.38,0.32
 2D7U,TYR_288,11.32,0.31,1.01
 1FKM,ASP_594,3.3,-0.88,-0.04,0.42
 4EZB,ARG_288,12.18,-0.29,0,-0.03
 3JRT,GLU_92,4.68,0.41,0,-0.23
 1LTU,LYS_165,10.43,-0.1,0,0.04
 3Q2C,ARG_25,12.25,-0.58,0,0.32
 3RNV,TYR_455,10.78,-0.06,0.21,0.64
 2E3C,HIS_338,6.05,-0.59,0,0.15
 2O4D,GLU_31,3.21,1.04,-2.07,-0.27
 1G8P,HIS_314,5.78,-1.1,0,0.38
 1J8B,LYS_12,10.41,-0.09,0,0
 3BA1,GLU_300,4.27,0.59,-0.47,-0.35
 3BQE,ASP_259,3.33,-0.76,0,0.29
 4ETX,ARG_374,12.92,-0.2,0,0.62
 1RAJ,TYR_334,10.35,-0.81,0.22,0.95
 1X8F,LYS_189,10.33,-0.17,0,0
 2W0G,LYS_227,10.41,-0.09,0,0
 3OANT,GLU_505,4.62,0.22,0,-0.09
 1AK1,LYS_34,11,-0.71,0.85,0.36
 3UV9,GLU_366,3.98,0.67,-1.04,-0.14
 1Q5Z,ASP_591,4.07,0,-0.01,0.28
 2YWX,GLU_24,4.78,0.37,0,-0.09

2QRX,GLU_67,4.65,0.19,0,-0.04
 3GVO,ARG_204,13.25,-1.11,1.25,0.61
 2PPN,ASP_11,1.81,-2.53,-0.07,0.61
 1PGV,GLU_281,2.88,1.03,-2.21,-0.44
 3IBT,CYS_105,11.55,-0.52,-0.06,3.12
 1WLY,GLU_180,4.02,0.25,-0.75,0.02
 2CIU,LYS_161,10.4,-0.13,0,0.04
 3E0H,LYS_12,10.67,-0.19,0.06,0.3
 3EVPL,YS_203,12.15,-0.59,1.65,0.59
 3ILC,LYS_157,9.99,-0.65,0,0.14
 1PBV,ASP_183,4,0,0,0.2
 2JKF,GLU_147,3.9,0.23,-0.5,-0.33
 1WNH,TYR_158,11.5,0.0,19,1.31
 1UOH,TYR_112,11.62,-0.49,0.55,1.56
 1FQI,LYS_378,10.39,-0.11,0,0
 2APL,ASP_120,3.16,-1.04,0.09,0.31
 1X9G,ARG_27,12.37,-0.22,0,0.09
 3ERF,ASP_179,3.95,0,-0.02,0.18
 3B4D,LYS_207,10.09,-0.38,0,-0.03
 4ECC,HIS_163,4.78,-2.86,0.85,0.29
 2P4D,ARG_20,12.35,-0.15,0,0
 2IXM,LYS_38,11.12,-0.58,0.57,0.64
 1UCH,LYS_120,11.38,-0.36,0.85,0.4
 1NIJ,ARG_310,12.74,-1.09,0.76,0.57
 2RIS,GLU_32,4.7,0.46,0,-0.26
 1NAF,ARG_214,12.11,-0.59,0,0.21
 1W24,LYS_50,10.57,-0.31,0,0.38
 3A4C,LYS_509,10.27,-0.15,0,-0.08
 1YR6,ARG_22,12.9,-0.2,0.3,0.3
 1C3K,ASP_139,5.15,-0.16,0.05,1.45
 1JT9,LYS_50,11.1,-0.2,0.33,0.48
 2QK1,ARG_474,12.84,-0.69,0.68,0.35
 3V75,GLU_44,3.58,0.27,-0.64,-0.56
 1XEU,LYS_132,10.48,-0.11,0,0.09
 2QHT,GLU_60,4.37,0.41,-0.32,-0.22
 3EX9,ARG_41,12.61,-2.46,0.07,2.49
 1GXN,LYS_497,11.55,-0.32,0.63,0.74
 3K9I,GLU_94,4.59,0.53,-0.13,-0.31
 1ZP2,ARG_217,12.3,-1.1,0.21,0.69
 3U2R,ARG_9,12.45,-0.05,0,0
 3K9I,HIS_107,6.16,-0.7,0.26,0.1
 1A8Q,GLU_270,4.04,0.21,-0.33,-0.34
 3HVM,GLU_140,3.23,3.69,-2.09,-2.85
 2Z14,ARG_112,13.74,-0.39,0.85,0.78
 2H8O,ARG_78,12.06,-0.51,0,0.06
 3PM2,GLU_75,4.2,0.25,-0.66,0.12
 1AKO,TYR_63,10.41,-0.11,-0.03,0.55
 3KV0,TYR_169,11.03,-0.84,-0.43,2.29
 4EZB,ARG_175,12.33,-0.3,0,0.12
 3ANJ,ARG_17,11.08,-1.51,0,0.09
 2H85,LYS_149,10.4,-0.04,0,-0.05
 3EGN,ARG_452,12.21,-0.31,0,0.02
 3GYW,HIS_232,6.07,-0.44,0,0.01
 3H9W,HIS_131,6.3,-0.28,0.01,0.06
 3UC9,CYS_32,10.07,0,0,1.07
 4AM1,LYS_255,11.46,-0.27,0.85,0.38
 3BQW,TYR_188,10.07,0,-0.2,0.28
 1O0X,HIS_236,3.41,-3.09,0.2,-0.21
 1T95,GLU_42,4.52,0.13,0,-0.12
 3P28,LYS_118,10.9,-0.2,0.21,0.4
 2OGQ,ARG_441,11.29,-1.57,0,0.35
 2FC3,TYR_6,11.28,-0.71,0.3,1.69
 3AUF,ASP_53,3.25,-0.85,0,0.3
 1XDZ,GLU_114,4.54,0.14,0,-0.1
 3ULX,ARG_85,12.29,-0.32,0,0.11
 3CSR,ARG_138,11.78,-0.81,0,0.09
 2WB8,CYS_478,11.6,0,-0.04,2.64
 3IBT,GLU_135,4.91,0.41,0,0
 4D8L,HIS_79,4.99,-1.99,0.29,0.19
 3C38,GLU_200,3.15,0.53,-1.34,-0.53
 2HXB,TYR_48,11.06,0.0,34,0.73
 3G6S,LYS_85,10.44,-0.23,0,0.16
 1O9G,GLU_185,4.18,0.29,-0.39,-0.22
 3HZQ,LYS_93,10.46,-0.04,0,0
 3ULX,CYS_162,13.42,-0.27,0.97,3.72
 3EZ7,GLU_36,4.78,0.34,0,-0.05
 2BV9,ASP_47,2.85,-1.09,-0.36,0.5
 1R16,GLU_276,2.95,2.03,-2.83,-0.74
 1X7F,HIS_136,6.14,-0.46,0,0.1
 4FD6,GLU_24,4.08,0.35,-0.59,-0.19
 2F8H,HIS_194,6.2,-0.25,0,-0.04
 2H2W,CYS_142,8.68,-2,-1.31,3
 3M3P,GLU_178,3.02,3.68,-1.63,-3.53
 2IN0,HIS_429,6.72,-0.41,0.33,0.29
 3LH5,LYS_567,10.38,-0.12,0,0
 1XEU,GLU_165,4.65,0.27,0,-0.13
 3CCY,ASP_156,4.12,0,-0.03,0.35
 3C38,HIS_237,7.64,-0.35,1.13,0.36
 3RFY,ASP_249,3.71,0,-0.28,0.18
 3EJC,ASP_21,3.57,-0.84,-0.05,0.68
 1XKR,GLU_58,4.26,0.97,-1.3,0.09
 1SUU,GLU_697,4.47,0.05,0,-0.07
 1AK1,LYS_102,10.57,-0.06,0,0.12
 3QAV,GLU_51,4.69,0.13,0,0.05
 3C38,ARG_115,12.51,-2.42,1.43,1.01
 4ACJ,ASP_747,2.18,-1.95,-0.41,0.74
 3F6F,ARG_6,12.85,-0.69,0.43,0.6
 3CAN,ARG_30,13.5,-0.16,0.76,0.4
 1TXJ,TYR_150,10.81,0,0.27,0.54
 2G9D,ARG_106,12.61,-2.13,0.2,2.05
 3M7G,GLU_171,5.48,1.32,-0.36,0.01
 3NJM,LYS_56,10.38,-0.18,0,0.06
 3ULX,ASP_25,4.25,0.05,0,0
 3A2Z,ASP_41,3.06,-1.13,-0.03,0.43
 2GKG,GLU_9,4.88,2.32,-1.81,-0.14
 2VGM,GLU_381,5.4,0.2,0.05,0.65
 1VJG,CYS_27,9.36,0,0.14,0.23
 3B21,LYS_209,10.97,-1.19,0.84,0.82
 2G7O,LYS_123,10.39,-0.11,0,0
 1S1G,LYS_299,10.46,-0.09,0,0.06
 3H04,TYR_52,12.49,-0.12,0.36,2.25
 2CN1,CYS_63,10.27,-0.93,0.03,2.17
 1R15,ARG_177,12.22,-1.03,0.21,0.54
 2B02,CYS_400,11.44,0.0,14,2.3
 3GG6,GLU_91,6.81,2.45,-0.37,0.24
 2B02,HIS_367,3.96,-3.31,0.77,0
 3KEY,LYS_456,10.17,-0.35,0,0.01
 1QYI,GLU_152,5.01,0.44,0,0.07
 3BA1,GLU_286,4.08,0.19,-0.74,0.13
 2XHC,LYS_225,10.87,-0.15,0.21,0.3
 2GKG,GLU_40,3.3,0.41,-1.29,-0.31
 3HQX,ARG_57,12.47,-0.48,0,0.44
 2WZ9,HIS_37,4.13,-2.95,0.68,-0.09
 2EEY,ARG_38,13.35,-0.14,0.59,0.4
 1WXQ,ASP_201,3.99,-0.07,0.11,0.16
 3BWT,GLU_769,3.7,2.52,-3.08,-0.24
 2QOP,ARG_22,12.39,-0.25,0,0.14
 2IN0,LYS_27,10.42,-0.20,0.17
 3R87,LYS_117,10.45,-0.05,0,0
 3VJ8,ASP_351,3.42,-0.25,-0.28,0.16
 4HDE,GLU_134,4.71,0.1,0,0.11
 3G9T,LYS_31,11.5,-0.23,0.85,0.37
 3IVF,LYS_295,10.47,-1.08,0.64,0.4
 3O7K,ARG_112,12.14,-0.33,0,-0.03
 3T5B,ASP_156,3.94,-0.13,-0.36,0.62
 2G7O,LYS_68,10.93,-0.17,0.6,0
 2EJB,ARG_143,12.32,-0.21,0,0.02
 1WLY,HIS_122,7.03,-0.75,0.85,0.43
 3PP8,ARG_27,13.13,-0.16,0.54,0.26
 2Q98,TYR_28,11.84,0.85,0.47,0.52
 2G5X,TYR_233,10.37,0.0,0.2,0.35
 2PLQ,ARG_306,12.77,-0.25,0,0.52
 1LFFZ,GLU_146,4.58,0.15,0,-0.07
 2H2Z,HIS_246,5.37,-1.22,0,0.09
 1H09,LYS_195,10.47,-0.03,0,0
 2JKF,GLU_168,3.65,0.39,-0.85,-0.38
 2AHE,ASP_237,3.77,0,-0.68,0.65
 2FXT,LYS_260,10.39,-0.11,0,0
 3NZL,ARG_71,12.31,-0.28,0,0.08
 1GPP,TYR_130,9.42,-0.85,-0.41,0.69
 1P4X,ARG_90,13.04,-0.11,0.65,0
 4ANN,TYR_97,10.62,-0.03,-0.04,0.69
 3G9B,TYR_128,10.29,0.0,0.1,0.28
 4ANN,GLU_190,4.8,0.26,0,0.04
 4HDE,GLU_90,3.78,0.31,-0.65,-0.38
 2IDC,LYS_165,9.63,-1.11,0,0.24
 3B7X,ARG_109,12.79,-0.43,0.22,0.49
 2WB3,TYR_317,10.15,0,0,0.15
 2V5B,TYR_103,10.27,0.0,13,0.15
 1Q4Z,LYS_47,11.25,-0.52,0.85,0.42
 2D2S,ASP_742,3,-0.8,-0.42,0.44
 3V1Q,GLU_607,4.46,0.11,0,-0.15
 4AE7,TYR_229,11.07,-0.15,0.08,1.15
 3LJ1,ARG_95,13.12,-1.17,0.84,0.95
 3ADO,ASP_303,3.71,-0.79,-0.47,1.18
 1FO9,ARG_307,11.65,-3.42,0.2,5.6
 1O0X,LYS_87,10.49,-0.15,0,0.13
 2I88,CYS_505,11.47,-0.29,-0.21,2.98
 3V3T,GLU_136,4.05,0.92,-1.05,-0.32
 2PWQ,ASP_13,3.12,-0.68,-0.4,0.39
 2OJQ,GLU_603,3.59,0.6,-0.76,-0.74
 3HUE,GLU_57,4.52,0.15,0,-0.13
 3S0A,LYS_59,10.51,-0.05,0,0.06
 2B6P,GLU_254,4.61,0.11,0,0
 3P28,TYR_231,10.29,0.0,14,0.15
 2RIK,LYS_234,11.47,-0.92,0.85,1.04
 2QV2,LYS_81,10.77,-0.32,0,0.58
 3CIV,ARG_37,12.3,-0.23,0,0.03
 1P2F,HIS_145,6.3,-0.24,0,0.04
 3GEC,CYS_241,9.82,-0.55,0.25,1.11
 3KV0,ASP_191,4.26,-0.05,-0.02,0.52
 1P6F,TYR_75,12.71,0,0.05,2.66
 4E8B,TYR_7,11.17,0,0.29,0.89
 1TR9,ARG_72,12,-0.46,0,-0.03
 3PU6,GLU_79,4.15,0.32,-0.35,-0.31
 2FZPHIS_295,6.9,-0.45,0.84,0.01
 1TD6,GLU_208,4.68,0.19,0,-0.01
 1UAJ,GLU_222,4.11,0.47,-0.7,-0.16
 1X8F,LYS_268,10.42,-0.29,0,0.21
 1OTM,LYS_62,10.37,-0.13,0,-0.01
 4DIU,LYS_121,10.31,-0.21,0,0.03
 2DG7,ARG_135,12.29,-0.38,0,0.17
 3P28,ASP_213,3.34,-0.49,-0.46,0.49
 1T95,LYS_41,10.78,-0.21,0,0.5
 2CVB,LYS_166,10.38,-0.07,0,-0.04
 1AKO,GLU_185,4.77,0.22,0,0.06
 1Q4Z,GLU_119,4.11,0.32,-0.71,0
 3IV4,LYS_42,11.23,-0.28,0.63,0.38
 4GA2,TYR_52,12.27,0.85,0.51,0.92
 3IRA,LYS_125,11.15,-0.3,0.39,0.57
 1KW4,LYS_74,10.18,-0.2,0,-0.12
 3FHF,TYR_196,11.93,0.26,1.66
 1AKO,GLU_137,3.99,0.36,-0.79,-0.08
 2QV2,LYS_25,10.73,-0.25,0.18,0.31
 3BCH,ARG_155,12.62,-0.12,0,0.24
 1EDG,ARG_319,10.15,-2.96,0,0.61
 2JEO,HIS_226,6.1,-0.56,0,0.16
 3DSH,GLU_363,4.64,0.17,0,-0.03
 3O7K,ASP_58,4.11,0,0.17,0.15
 1EYH,GLU_19,4.36,0.27,-0.18,-0.23
 2IQT,ASP_273,3.49,-0.25,-0.28,0.21
 1DUN,GLU_73,4.17,0.37,-0.62,-0.09
 2EFK,GLU_184,4.54,0.26,0,-0.22
 1TP6,HIS_46,6.27,-0.18,0,-0.04
 2FPN,LYS_85,10.43,-0.07,0,0
 1Y2Q,TYR_79,12.53,0,0.06,2.47
 3ELI,ARG_127,11.99,-0.69,0,0.19
 3O48,ARG_76,12.74,-0.4,0.06,0.57
 2AZL,GLU_164,5.29,0.84,-0.06
 1SJ8,GLU_734,4.74,0.24,0,0
 2D2S,ARG_532,12.35,-0.19,0,0.04
 2H01,CYS_44,9.07,-0.31,0.09,0.29
 3D9H,GLU_131,4.65,0.13,0,0.02
 4ET9,GLU_32,12.4,-0.22,0,0.06
 3RUX,LYS_154,11.41,-0.28,0.8,0.38
 1QZN,ASP_73,3.69,-0.26,0,0.15
 1NFN,LYS_143,10.39,-0.11,0,0
 3DHN,GLU_206,4.36,0.37,-0.05,-0.44
 1NIJ,LYS_86,10.61,-0.27,0,0.38
 2CXY,ARG_30,12.11,-0.48,0.0,0.09
 1J7G,GLU_115,4.53,0.26,0,-0.23
 2GZR,LYS_104,10.74,-0.17,0,0.41
 2Q5X,GLU_832,4.98,0.39,0,0.1
 2EHG,ARG_65,12.52,-0.16,0,0.18
 2FBI,GLU_96,4.53,0.07,0,-0.04
 3LPZ,ARG_32,12.4,-0.22,0,0.11
 2EJX,GLU_125,4.2,0.28,-0.66,0.07
 1PDB,ASP_145,2.84,-1.31,-0.1,0.45
 1X9G,CYS_112,12.78,0.63,0.91,2.24
 2X5Y,CYS_867,11.11,0,0.03,2.08
 1ATO,ARG_377,12.27,-0.23,0,0
 3BWT,GLU_622,3.99,0.83,-0.67,-0.67
 3IV4,TYR_81,11.79,0.52,1.26
 2Q99,ARG_233,12.74,-0.42,0.21,0.46
 3V46,GLU_363,4.5,0.3,0,-0.31
 1TJE,TYR_219,9.6,-0.6,-0.21,0.41
 3HNX,ARG_103,12.3,-0.2,0,0
 3LJC,GLU_240,4.59,0.09,0,0
 1EV8,TYR_164,10.27,0,0,0.27
 2GAU,GLU_47,4.67,0.33,0,-0.17
 4F85,ASP_298,3.57,-0.58,-0.47,0.82
 1LPL,ASP_202,3.74,0,-0.34,0.27
 2D0A,HIS_235,4.92,-2.32,0.73,0.01
 2IQT,GLU_188,10.7,-0.21,0,0.41
 3G9T,LYS_134,10.38,-0.12,0,0
 3EUR,LYS_80,11.33,-0.63,0.85,0.62
 3KEY,LYS_464,10.68,-0.16,0,0.34
 1XDZ,LYS_164,11.37,-0.41,0.85,0.44
 3F6F,HIS_59,7.23,-0.18,0.85,0.07
 3RKV,LYS_301,11.39,-0.27,0.85,0.31
 1QQE,LYS_199,11.44,-0.35,0.85,0.44
 2OJQ,GLU_679,4.57,0.3,0,-0.23
 2AZL,TYR_11,10.74,0.23,0.52
 1NAR,ASP_59,3.16,-1.03,-0.05,0.44
 3CIV,ARG_312,12.55,-0.29,0,0.34
 2VGM,TYR_300,10.31,0.08,0.23
 4ESS,CYS_49,11.19,-0.05,0.1,2.13
 2H01,LYS_7,10.75,-0.12,0,0.37
 3P2F,CYS_147,9.56,0,-0.16,0.71
 2POL,TYR_19,12.34,0.85,0.49,0.99
 3LH5,GLU_528,4.67,0.2,0,-0.04
 2Q98,CYS_199,9.67,0.62,0,0.05
 1X1E,ARG_96,13.85,-0.5,1.29,0.57
 1R7J,GLU_75,4.46,0.27,-0.01,-0.31
 2CXA,GLU_201,4.83,0.32,0,0.01
 1MN3,GLU_406,4.32,0.24,0,-0.42

1YG2,ASP_144,4,0,-0.05,0.25
2R0S,ASP_205,2,01,-1.7,-0.58,0.48
3V5S,GLU_556,3.75,0.49,-0.77,-0.47
1DUP,ASP_39,3.94,0,-0.03,0.17
2BV9,TYR_179,11.8,0,0.52,1.28
1OST,LYS_154,10.42,-0.21,0,0.13
2QHT,TYR_13,12.53,-0.08,-0.46,3.07
3IVF,LYS_15,10.12,-0.28,0,-0.1
3CCY,TYR_51,10.06,-0.29,-0.28,0.62
3V3T,HIS_191,6.17,-0.45,0,0.13
3F6M,ARG_85,13,-0.44,0.66,0.28
3CNU,GLU_19,3.97,0.32,-0.85,0
3C6B,HIS_37,6.12,-1.09,0.75,-0.05
3B7X,GLU_96,5.15,0.51,0,0.14
3G6S,ARG_69,11.42,-2.11,0.02,1.02
3G9G,GLU_3,4.61,0.11,0,0
1E59,GLU_88,7.85,5.13,-0.13,-1.65
3TOW,ASP_135,2.49,-2.46,-0.2,1.35
2GZR,HIS_52,6.67,-0.56,0.73,0
3FHF,ARG_22,12.27,-0.86,0.17,0.45
1TLV,LYS_60,10.3,-0.2,0,0
2CXV,TYR_8,12.07,0.85,0.39,0.83
3J5N,ASP_288,4.18,0,0.17,0.21
2AH5,TYR_74,11.62,0.48,0.39,0.76
3IU5,GLU_105,4.52,0.27,0,-0.26
3ANJ,ASP_133,3.63,-0.66,-0.62,1.11
3A4C,ARG_465,12.1,-0.53,0,0.12
2IRM,GLU_266,5.15,0.79,0,-0.15
3H04,HIS_230,4.48,-1.19,0,-0.84
4EKU,ARG_148,12.97,-0.6,0.18,0.89
3ZXY,ARG_141,12.26,-0.24,0,0
2FZP,GLU_316,4.67,0.34,0,-0.17
2I6I,ARG_145,13.96,-0.47,1.53,0.4
2FM9,ASP_108,3.95,0,0.16
1AK1,GLU_170,4.47,0.1,-0.13
1YM5,LYS_270,9.44,-1.01,0,-0.06
3H04,ASP_118,3.96,0,-0.02,0.18
1YLN,LYS_231,10.1,-0.31,0,-0.1
1PBV,ARG_162,12.05,-0.52,0,0.08
3T5B,TYR_391,10.64,-0.04,-5.55E-17,0.69
2CIU,TYR_214,9.8,-0.49,-0.2,0.5
2AZL,LYS_276,10.46,-0.15,0,0.11
3KEY,LYS_338,10.57,-0.13,0,0.2
3OA7,GLU_9,4.7,0.22,0,-0.02
2B3M,ASP_146,3.82,0,-0.1,0.12
3DHN,ASP_185,2.04,-1.93,-0.57,0.74
1RI6,ASP_229,3.17,-0.92,0,0.29
2Q13,TYR_48,10.39,-0.08,0.16,0.31
2V5B,TYR_211,12.24,0,-0.02,2.27
2E0T,GLU_104,4.3,0.38,-0.46,-0.12
1YTD,GLU_376,4.3,0.29,-0.46,-0.03
3GEC,HIS_403,5.99,-0.26,0,-0.25
2QV2,LYS_154,11.09,-0.26,0.85,0
3Q1C,GLU_77,4.02,0.29,-0.78,0
1RI6,LYS_49,10.24,-0.52,0,0.27
2XHC,ARG_275,12.64,-0.46,0.29,0.32
1AM2,ARG_49,12.41,-0.25,0.03,0.13
2O4D,ARG_4,12.44,-0.06,0,0
2CXG,GLU_63,4.53,0.14,0,-0.11
2Q13,ARG_238,12.28,-0.23,0,0
1Y2Q,GLU_74,4.61,0.11,0,0
1AKO,ARG_14,12.04,-1.28,0.05,0.77
1V43,GLU_319,3.63,0.54,-0.85,-0.55
2HNG,ASP_20,3.94,0,-0.2,0.34
1WP5,GLU_293,4.28,0.86,-0.71,-0.36
1LN4,CYS_73,10.36,-0.23,-0.34,1.93
3LD1,ARG_201,11.97,-0.72,0,0.18
2BAA,ASP_12,3.33,-0.8,-0.58,0.92
3IBT,LYS_61,10.49,-0.07,0,0.05
2G9D,ARG_322,10.47,-1.58,0,-0.45
3S0A,ARG_9,13.11,-0.55,0.82,0.34
3V4G,ASP_8,3.91,0,-0.02,0.13
3V5S,TYR_389,10.57,0.11,0.21,0.24
3R87,TYR_12,10.38,0,0.11,0.28
1NWA,GLU_52,7.6,3.33,-0.41,0.19
4FCU,ASP_50,3.85,-0.38,-0.59,1.03
2DVK,LYS_23,10.47,-0.09,0,0.07
3P28,LYS_59,10.43,-0.14,0,0.07
1MTZ,GLU_7,3.41,0.33,-0.85,-0.57
3LQE,ARG_537,12.45,-0.05,0,0
1W24,LYS_173,10.44,-0.15,0,0.08
2X4L,ARG_214,12.4,-0.27,0,0.18
3CSV,LYS_119,9.74,-0.63,0,-0.13
3RJZ,GLU_174,4.42,0.24,0,-0.32
2CN1,TYR_98,10.23,0,0.07,0.16
1VSM,ARG_158,12.22,-0.19,0,-0.09
2Q07,LYS_525,10.06,-0.44,0,0
2RFA,ARG_146,13.47,-0.56,0.9,0.62
1NRI,LYS_102,10.92,-0.69,0.85,0.26
1MHN,GLU_121,4.82,0.35,0,-0.04
2P4D,TYR_7,10.14,0,0,0.14
1DUN,LYS_35,10.23,-0.37,0,0.1
1O5J,ARG_19,12.6,-0.29,0,0.39
1SUU,LYS_514,11.36,-0.38,0.65,0.59
1QYI,TYR_257,10.33,0,-0.13,0.46
1RI6,ASP_168,3.98,0,0,0.18
2A6B,GLU_200,4.5,0,0,0
1SFE,ARG_33,12.36,-0.13,0,-0.01
3B21,HIS_96,6.6,-0.32,0.65,-0.23
4FZR,ARG_76,12.4,-0.1,0,0
3HUE,ARG_114,12.26,-0.55,0,0.3
2CVB,GLU_10,4.78,0.41,0,-0.13
2QRX,HIS_36,6.4,-0.18,0,0.1
1V8E,ASP_48,2.37,-2.15,-0.2,0.91
2PWQ,LYS_27,10.62,-0.16,0,0.28
3DHN,LYS_66,11.61,-0.27,0.76,0.61
1RHS,ARG_7,12.9,-0.82,0.72,0.5
1LTU,ARG_115,11.95,-0.84,0,0.3
1N81,LYS_170,10.35,-0.35,0,0.2
3P2F,ARG_151,12.34,-0.28,0,0.12
2BDV,ARG_137,12.42,-0.08,0,0
3TMO,HIS_279,6.46,-0.09,0.05
3EVN,ARG_263,12.6,-0.32,0.02,0.4
2QOP,LYS_55,10.36,-0.53,0,0.38
1WYC,ARG_301,12.68,-0.29,0.18,0.29
4ANN,GLU_93,2.98,0.42,-1.55,-0.38
1FKM,GLU_472,4.64,0.32,0,-0.19
1TD6,LYS_56,10,-0.43,0,0.07
3F5D,GLU_60,4.44,1.65,-1.54,-0.18
1J7G,ARG_53,12.26,-0.24,0,0
2OKT,TYR_56,11.05,-0.3,-1.46,2.8
1HF8,GLU_187,4.56,0.81,-0.67,-0.08
3BJV,LYS_20,10.57,-0.05,0,0.12
1SIG,ASP_167,3.82,0,-0.09,0.11
2PGX,HIS_27,7.29,-0.42,0.85,0.36
2X4G,TYR_238,12.07,-0.03,0.34,1.75
2D7U,GLU_328,4.69,0.52,-0.32,-0.01
1X04,ARG_223,12.48,-0.28,0,0.27
1DTO,TYR_83,9.25,-0.77,-0.38,0.41
1SIG,GLU_146,4.83,0.35,0,-0.03
1NRI,ASP_183,3.03,-1.56,-0.26,1.05
2IQT,CYS_183,10.06,-0.71,0.21,1.55
2QZQ,HIS_84,5.97,-0.55,0.08,-0.07
3T5B,ASP_317,3.29,-0.66,-0.58,0.72
1WNH,TYR_180,13.91,0,0,3.91
1Q2Y,ARG_78,12.4,-0.37,0,0.26
2DG7,ARG_46,12.54,-0.17,0,0.21
1R6Y,CYS_37,10.36,-0.81,0.36,1.81
1H4U,TYR_431,10.16,0,-0.14,0.29
3M70,HIS_265,5.48,-0.56,0,-0.46
2BAA,ARG_215,13.92,-3.22,2.21,2.42
1OIS,LYS_256,10.1,-0.4,0,0
3BWT,GLU_598,3.75,0.4,-0.85,-0.3
3UV9,CYS_451,9.47,-0.19,0.12,0.53
1C3K,ASP_50,2.12,-2.33,-0.08,0.73
2BDD,LYS_78,11.13,-0.29,0.45,0.48
2NYC,LYS_315,10.56,-0.15,0,0.21
2GAU,GLU_171,4.0,39,-0.86,-0.02
3PM2,GLU_91,2.96,0.39,-1.55,-0.38
3V3T,ASP_135,3.93,0,-0.1,0.23
1KCM,ASP_242,3.66,-0.16,-0.17,0.18
3ASA,HIS_351,5.19,-0.78,0,-0.52
3GFP,TYR_347,9.34,-0.85,-0.35,0.53
2O4D,GLU_64,3.36,1.3,-1.91,-0.53
4ANN,GLU_52,4.24,0.6,-0.84,-0.02
1ZBP,ARG_72,12.64,-0.32,0,0.45
1TXJ,GLU_132,5.11,0.61,0,0
3NZL,GLU_68,3.62,0.37,-0.85,-0.39
1EV8,ASP_246,2.75,-1.61,-0.56,1.11
1WLY,ARG_262,12.98,-1.18,0.81,0.85
2XHC,ARG_251,12.5,-0.39,0.16,0.23
1WPA,GLU_480,4.07,0.34,-0.53,-0.25
3M7G,GLU_221,4.85,0.2,0,0.15
2O8P,ASP_85,3.96,0,0,0.16
2QK0,ARG_36,13.79,-0.54,1.45,0.38
1YTQ,TYR_78,10.31,-0.83,0.23,0.91
3GYW,ARG_268,12.89,-0.27,0,0.66
2PGX,GLU_186,3.84,0.51,-0.62,-0.55
2H14,LYS_159,10.48,-0.08,0,0.05
1TD6,HIS_35,6.45,-0.21,0,0.16
3R87,ARG_33,12.44,-0.72,0,0.66
1TD6,GLU_153,3.96,0.18,-0.85,0.13
4DNU,HIS_118,7.49,-0.21,0.84,0.36
3T8R,GLU_21,4.04,0.49,-0.78,-0.18
3V1Q,ARG_609,12.44,-0.06,0,0
2YX0,GLU_23,4.64,0.14,0,0
2OBI,LYS_105,9.91,-0.93,0,0.33
1J7G,LYS_35,10.44,-0.17,0,0.11
3HNX,CYS_83,10.2,0.43,0.48,0.29
2E3S,LYS_594,10.58,-0.24,0.01,0.32
2EYI,GLU_189,3.08,0.47,-1.53,-0.35
4AE7,ARG_223,13.03,-0.46,0.5,0.5
1OIS,CYS_273,11.23,-0.01,-0.02,2.27
1V43,HIS_293,5.18,-1.81,0.14,0.35
2RIK,LYS_279,10.42,-0.08,0,0
1E59,LYS_37,10.52,-0.16,0,0.18
2P5D,LYS_39,10.97,-0.53,0.3,0.7
1YTD,ASP_173,3.75,0,-0.25,0.2
1X9G,GLU_94,4.81,0.17,0,0.14
2G5X,GLU_191,4.64,0.27,0,-0.13
3DHN,HIS_210,6.48,-1.16,0.63,0.51
1L3K,GLU_117,3.86,0.63,-0.85,-0.42
1SIG,CYS_291,12.04,-0.03,0.37,2.71
2RIS,ARG_133,11.88,-0.88,0,0.26
1QZN,TYR_157,11.38,-0.85,0.07,2.15
3HUE,ASP_72,2.82,-2.29,-0.34,1.65
1ZCU,GLU_78,4.07,0.45,-0.73,-0.14
3LJN,LYS_308,10.9,-0.31,0.38,0.33
3L3P,ASP_493,4.08,-0.05,-0.15,0.48
1GPP,ARG_42,12.33,-0.4,0,0.24
3P28,HIS_169,6.53,-0.73,0.83,-0.07
2ZQ5,ASP_45,4.19,0,0.01,0.38
2Q13,LYS_158,10.44,-0.06,0,0
2X4G,HIS_26,3.49,-2.02,0,-1
3D9H,ASP_116,4.11,0,-0.01,0.33
2NRK,LYS_62,10.56,-0.27,0,0.33
3A4C,ARG_493,13.24,-0.4,0.85,0.28
1ZHV,LYS_67,9.57,-0.76,0,-0.18
2VGY,HIS_91,7.11,-0.28,0.54,0.34
1NKD,GLU_24,4.79,0.25,0,0.04
3F5D,HIS_84,5.96,-0.27,0,-0.28
4DBX,HIS_202,7.25,-1.95,0.38,2.32
3U2R,GLU_118,3.63,0.2,-0.7,-0.37
3M9A,TYR_7,10.06,0,0.01,0.05
3GFP,LYS_477,10.46,-0.09,0,0.05
2BDD,LYS_43,10.44,-0.09,0,0.03
3AUF,GLU_187,3.98,0.72,-0.56,-0.69
3T8R,ARG_59,12.47,-0.03,0,0
2B3M,GLU_30,4.57,0.13,0,-0.06
3HQX,GLU_64,3.01,0.37,-1.21,-0.65
1PNE,HIS_119,6.26,-0.19,0,-0.04
3FK5,ARG_269,12.27,-0.32,0,0.1
3U2R,HIS_130,6.08,-0.28,0,-0.15
2AZL,GLU_117,5.65,1.14,0,0.01
1NFN,GLU_96,4.11,0.37,-0.23,-0.54
1BKB,TYR_11,10.06,-0.44,0.19,0.31
3CE,GLU_212,5.19,0.48,0,0.22
2YWJ,ARG_101,11.94,-0.77,0.07,0.14
1MUF,GLU_163,4.88,0.37,0,0.01
2FD4,GLU_531,3.17,0.57,-1.13,-0.77
2VC8,HIS_42,6.74,-0.55,0.79,0
1SIG,TYR_148,11.57,0.23,1.34
2B78,LYS_351,10.47,-0.03,0,0
1PV5,LYS_148,11.32,-0.23,0.61,0.45
2CVB,GLU_60,3.62,0.4,-0.9,-0.38
2C13,LYS_105,11.74,-0.57,1.12,0.7
3CAN,GLU_93,4.55,0.3,0,-0.25
1TR9,LYS_151,10.42,-0.12,0.04
2V81,ASP_178,4.48,0,0.01,0.68
2FD4,ASP_439,2.75,-1.56,-0.25,0.75
3EJG,CYS_157,9.48,-0.02,0.22,0.3
2AZP,HIS_10,5.65,-0.63,0,-0.22
3HVM,GLU_21,4.57,0.24,0,-0.17
1DUP,ARG_71,11.84,-0.76,0,0.1
3Q1C,TYR_313,10.34,0.05,0.29
1AT0,ARG_283,13.47,-0.35,0.82,0.5
2B3M,GLU_33,4.63,0.09,0,0.04
2CWC,LYS_43,10.42,-0.13,0,0.04
1FO9,LYS_232,9.84,-0.68,0,0.02
2QRX,ASP_51,3.02,-1.19,-0.05,0.46
2FC3,GLU_116,3.57,0.31,-0.85,-0.39
2O0K,HIS_59,5.56,-0.99,0,0.04
3OA7,ARG_441,12.37,-0.13,0,0
2F9F,GLU_78,3.53,0.27,-0.85,-0.39
1MIX,TYR_373,10.25,0,0.01,0.24
2P1W,LYS_99,10.41,-0.09,0,0
2RIG,ARG_268,12.26,-0.53,0,0.29
2O8P,LYS_185,10.49,-0.21,0,0.19
2EJX,LYS_9,10.6,-0.36,0,0.45
4EUG,GLU_30,2.02,0.68,-2.4,-0.77
2B6P,TYR_105,9.83,-0.02,-0.37,0.22
3FXH,ASP_60,3.96,-0.05,0,0.21
3EJG,TYR_151,10.35,0.02,0.2,0.14
2JEO,ARG_169,12.08,-1.87,0,1.44
3Q2C,ARG_72,13.18,-0.28,0.15,0.82
2H2W,HIS_84,6.46,-1.5,0.85,0.61
4DBX,TYR_37,11.61,0.0,0.08,1.53
1PDB,ASP_168,3.08,-1.22,-0.04,0.53
2A6B,LYS_98,10.38,-0.2,0,0.08
2IXM,GLU_156,7.25,4.93,-2.47,0.29
2PIM,ARG_12,12.16,-0.26,0,-0.09
1RI6,LYS_269,9.78,-1.05,0,0.35
3N2T,HIS_88,5.96,-0.94,0.85,-0.45
3RNV,HIS_430,6.1,-0.32,0,-0.09
2QEV,GLU_75,4.99,0.3,0,0.18
4GA2,ARG_10,13.31,-0.23,0.79,0.25

1OIS,ASP_321,3.81,0,-0.12,0.13
 3H04,LYS_145,10.45,-0.05,0,0
 3B7X,GLU_88,4.79,0,1,0,0.18
 4DNU,ARG_338,11.23,-1.05,0,-0.22
 3EVP,ASP_177,3.43,-0.77,0,0.39
 1Q42,TYR_168,13.96,0,0.18,3.78
 3NZL,GLU_41,4.76,0.27,0,-0.01
 4DNU,TYR_90,11.26,0.025,1.02
 1OTM,LYS_114,10.46,-0.15,0,0.1
 4ACJ,GLU_643,4.69,0.17,0,0.01
 1UAJ,GLU_239,3.51,0.34,-0.7,-0.63
 3EUR,ASP_127,4.69,-0.02,-0.04,0.94
 1F09,ARG_429,11.56,-0.99,0,0.06
 4FZN,ARG_208,13.38,-0.34,0.82,0.4
 2E0T,LYS_181,10.28,-0.27,0,0.04
 2NSN,GLU_80,2.56,0.89,-2.24,-0.6
 2FXT,GLU_413,4.17,0.53,-0.61,-0.25
 1Y0K,ARG_8,12.66,-0.23,0.39,0
 3CXS,CYS_128,10.17,0.03,1.14
 2P52,ARG_155,13.17,-1.31,1.31,0.67
 2R57,HIS_262,5.73,-0.67,0,-0.09
 3I0C,GLU_190,5.04,0.72,0,-0.18
 3V4G,ASP_113,3.92,-0.2,-0.07,0.39
 1X7F,LYS_249,10.82,-0.31,0,0.62
 3LD1,TYR_341,10.38,-0.04,-0.14,0.56
 2C13,HIS_172,8.37,-2.97,0.85,3.99
 3M3P,GLU_133,2.97,0.51,-1.66,-0.38
 1K95,GLU_92,4.89,0.34,0,0.06
 2H2W,LYS_203,10.69,-0.14,0,0.33
 2ZQ5,TYR_365,9.35,-0.78,-0.17,0.31
 3LJC,GLU_222,4.36,0.2,-0.34
 2FPN,ARG_73,12.72,-0.32,0,0.55
 1UXO,LYS_135,10.52,-0.17,0,0.19
 1YW5,LYS_82,10.38,-0.12,0,0
 1XEU,GLU_282,4.7,0.23,0,-0.03
 1IDK,ASP_160,3.46,-0.69,0.02,0.33
 3LJI,TYR_53,12.93,-0.55,0.23,3.24
 3BWT,ASP_663,3.3,-0.38,-0.36,0.24
 1R16,GLU_334,4.52,0.2,0,-0.18
 3IL3,ASP_101,4.01,0.003,0.18
 1F09,TYR_356,13.09,-0.72,-0.33,4.14
 1O3X,LYS_210,11.08,-0.39,0.32,0.65
 3V75,LYS_116,10.27,-0.35,0,0.12
 1J33,LYS_263,9.73,-0.68,0,-0.09
 1QYI,LYS_228,10.17,-0.74,0,0.41
 1WLY,ARG_167,12.19,-0.36,0,0.05
 1R7J,GLU_68,4.45,0.23,0,-0.47
 2IRM,HIS_335,3.42,-2.6,0,-0.47
 3KT2,GLU_21,5.75,1.25,0,0
 3GOZ,LYS_102,11.06,-0.23,0.34,0.46
 2GZQ,ARG_83,11.49,-1.03,0,0.01
 3M7G,ARG_148,11.49,-2.92,0.01,1.9
 3HVM,LYS_123,10.14,-0.4,0,0.03
 3NRS,GLU_19,4.67,0.23,0,-0.07
 1X7F,ASP_349,3.72,-0.53,-0.48,0.91
 2I6I,GLU_23,4.89,0.28,0,0.11
 2QDJ,GLU_275,4.53,0.35,0,-0.32
 3ERF,LYS_199,10.21,-0.29,0,0
 3EVP,TYR_264,13.33,-0.85,0.07,4.11
 4FH3,LYS_150,11.19,-0.32,0.54,0.46
 1G8P,ARG_177,12.67,-0.7,0.16,0.72
 1O59,HIS_109,6.2,-0.95,0.61,0.04
 2PP6,ARG_62,12.41,-0.22,0,0.13
 3FHF,GLU_61,4.6,0.18,0,-0.08
 1W7B,ARG_304,12.78,-1.26,0.44,1.1
 2D7U,GLU_84,6.91,4.41,-1.47,-0.55
 2CL3,TYR_45,12.43,0.23,2.2
 3GMS,LYS_4,11.05,-0.4,0.3,0.65
 3KEY,CYS_451,12.33,-0.02,0.34,0.01
 3V75,ARG_260,12.55,-0.05,0,0.1
 3U2R,ARG_50,13.23,-0.34,0.65,0.43
 4EKU,LYS_60,10.4,-0.12,0,0.01
 1SJB,HIS_541,6.51,-0.3,0,0.31
 3V3T,GLU_153,3.88,0.33,-0.49,-0.46
 1NAR,GLU_280,5.39,3.96,-3.05,-0.02
 1TWU,ARG_4,12.45,-0.05,0,0
 1SIG,ARG_397,12.42,-0.1,0,0.02
 2Z61,ARG_363,11.85,-1.03,0,0.38
 1SJB,HIS_663,6.64,-0.21,0,0.35
 3ASA,ARG_90,12.32,-0.72,0.08,0.47
 3RVC,GLU_186,4.81,0.31,0,0
 3PBH,TYR_140,13.34,0.77,0.51,2.06
 2BDV,LYS_75,11.33,-0.49,0.85,0.48
 1PSW,TYR_28,10.04,-0.72,-0.37,1.12
 2B3M,LYS_37,10.19,-0.35,0,0.04
 2YWK,ARG_10,13.9,-0.53,1.01,0.91
 2NRK,ASP_144,2.88,-1.08,-0.13,0.28
 3V75,ASP_117,2.89,-0.91,-0.41,0.41
 1TR9,GLU_95,4.55,1.2,-0.65,-0.5
 3AU3,GLU_403,4.41,0.3,0,-0.39
 1ANU,GLU_17,3.58,0.31,-0.74,-0.49
 3PAC,ARG_167,12.28,-0.34,0,0.11
 2NSN,ARG_27,12.77,-0.64,0.46,0.45
 3CZC,LYS_19,10.3,-0.28,0,0.08
 1Y0K,ASP_204,3.96,0,0.16
 3RJZ,LYS_32,10.51,-0.25,0,0.26
 1TLV,TYR_80,10.64,0.23,0.41
 2FM9,LYS_113,10.14,-0.34,0,-0.02
 2AZP,TYR_137,12.68,0.8,0.63,1.25
 4EUG,LYS_57,9.77,-1.02,0,0.28
 2B3M,GLU_132,4.46,0.15,0,-0.18
 1C3K,LYS_124,10.48,-0.05,0,0.03
 3IUS,TYR_54,11.26,-0.02,1.39E-17,1.27
 3CCY,ARG_103,13.11,-0.6,0.75,0.46
 2AZL,GLU_184,3.98,0.32,-0.47,-0.38
 1SQW,LYS_18,10.4,-0.26,0,0.16
 4EUG,LYS_170,10.39,-0.21,0,0.1
 1PNE,LYS_90,10.2,-0.34,0,0.04
 2WB8,ARG_486,12.38,-0.31,0,0.18
 3IPZ,TYR_142,12.14,-0.85,0.34,2.65
 1ILW,GLU_169,3.2,0.51,-1.2,-0.61
 1AK1,GLU_272,6.95,1.5,0.74
 1MTZ,TYR_16,10.09,0,-0.12,0.21
 1QYI,GLU_158,3.72,0.59,-0.85,-0.52
 2EYI,GLU_114,4.51,0.41,-0.64,0.24
 2RIK,HIS_196,6.35,-0.13,0,-0.02
 4ACJ,ASP_640,4.04,0.002,0.23
 2YT4,GLU_536,4.55,0.05,0,0
 1JKS,LYS_46,10.34,-1.18,0.85,0.18
 2VGY,TYR_40,10.76,0,-0.12,0.87
 3ASA,HIS_33,6.12,-0.35,0,-0.03
 3BA1,ASP_63,2.76,-0.85,-0.59,0.4
 3CX5,ARG_129,12.39,-0.4,0,0.28
 4ETX,ASP_229,3.95,0,-0.12,0.27
 1P2F,GLU_20,4.48,0.3,0,-0.31
 3RNV,ASP_398,3.9,0,-0.12,0.22
 2H2W,HIS_281,5.63,-1.55,0.76,-0.08
 1TR9,ARG_130,13.76,-1.73,1.37,1.61
 4ECC,ASP_203,3.25,-0.53,-0.38,0.37
 1EQ6,GLU_85,3.49,2.62,-2.96,-0.65
 4E8B,GLU_113,4.53,0.41,-0.74,0.37
 1Z3X,HIS_82,6.07,-0.33,0,-0.1
 1V6T,TYR_170,12.81,-0.81,0.09,3.53
 1U53,ASP_51,2.38,-1.93,-0.43,0.93
 2Z61,ASP_316,3.2,-0.89,-0.3,0.59
 1BYI,TYR_31,10.14,0,-0.18,0.31
 3GG6,GLU_164,3.88,0.29,-0.72,-0.19
 1RWZ,LYS_12,9.73,-0.76,0,-0.01
 1YTQ,ASP_127,2.78,-1.49,-0.61,1.07
 2B78,ARG_246,12.71,-0.48,0,0.69
 1L2H,LYS_88,10.44,-0.06,0,0
 2Z84,HIS_177,7.84,-1.54,1.6,1.28
 1H4U,HIS_545,6.14,-0.36,0,0
 2QHT,ASP_7,2.77,-1.51,-0.5,0.98
 2YT4,LYS_629,11.37,-0.35,0.85,0.37
 3CBN,ASP_66,3.72,-1.66,0,1.58
 1QZN,GLU_123,4.9,0.26,0,0.13
 3M7G,ASP_6,4.31,-0.09,-0.02,0.62
 3L3P,ASP_256,3.65,-0.09,-0.31,0.25
 3CCY,GLU_72,4.58,0.34,0,-0.27
 1KN3,LYS_179,10.38,-0.12,0,0
 2QK1,ASP_326,2.02,-1.9,-0.39,0.51
 4AE7,ARG_96,12.46,-0.04,0,0
 3FNI,CYS_136,11.29,-0.16,0.01,2.44
 1WPA,GLU_469,4.024,-0.74,0
 3QAV,TYR_99,10.37,-0.03,-0.17,0.56
 3IRA,GLU_62,4.98,0.66,0,-0.19
 3UPD,ARG_167,13.3,-0.42,0.58,0.65
 1RHS,GLU_17,3.49,0.23,-0.63,-0.6
 3G9T,ASP_254,2.32,-1.59,-0.52,0.64
 2D7U,GLU_313,4.84,1.59,-0.86,-0.39
 3E7P,HIS_221,6.13,-0.68,0.38,-0.06
 3BCY,GLU_64,4.62,0.53,0,-0.41
 3LMF,ARG_109,13.23,-0.37,0.51,0.61
 3DB9,ASP_107,3.01,-1.59,-0.09,0.88
 3JRT,ASP_151,2.86,-1.34,0,0.4
 2DBN,ASP_112,3.93,-0.1,-0.05,0.27
 3C6B,GLU_290,3.71,0.28,-0.67,-0.4
 2X4G,LYS_14,10.92,-0.35,0.6,0.17
 4AM1,GLU_176,4.03,0.19,-0.66,0
 3PZ9,TYR_247,10.35,-0.02,0.05,0.33
 1R53,ARG_209,12.51,-0.27,0,0.28
 1J74,TYR_113,10.42,0.02,0.4
 2OJQ,ARG_373,13.82,-0.44,1.13,0.63
 1R3D,ARG_112,12.14,-0.35,0,-0.01
 1MTZ,ARG_143,12.83,-0.71,0.18,0.86
 1ZKZ,TYR_32,11.41,0,0.04,1.37
 3EUR,GLU_48,5.16,0.25,0.35,0.06
 3H13,CYS_406,12.93,-0.24,0.4,17
 1X7F,ASP_103,2.2,-1.74,-0.32,0.46
 1SNT,ASP_144,3.94,0,-0.06,0.21
 1YG2,ARG_155,12.89,-0.33,0.34,0.38
 3JRT,ARG_103,12.33,-0.83,0.33,0.32
 2ZCO,LYS_270,10.17,-0.14,0,-0.19
 3BPP,TYR_221,10.89,0.24,0.65
 2IF4,LYS_194,9.09,-1.11,0,-0.31
 2AHE,TYR_104,10.87,0.19,0.03,0.65
 2RIK,CYS_261,11.36,-0.85,0.3,21
 2JHY,GLU_193,4.54,0.67,0,-0.64
 3L3P,ARG_349,12.42,-0.76,0.14,0.54
 4DIU,TYR_76,11.78,0,0.17,1.61
 2RIS,HIS_145,8.4,-1.91,1.7,2.1
 3O16,GLU_96,4.33,0.24,-0.62,0.21
 2NRR,LYS_419,10.24,-0.18,0,-0.07
 2WOZ,LYS_399,10.84,-0.24,0,0.59
 1SIG,TYR_425,10.02,0,-0.06,0.08
 1P2F,ARG_182,12.42,-0.08,0,0
 4H4J,TYR_106,12.6,0,0.48,2.12
 1S1J,GLU_103,4.61,0.29,0,-0.18
 2G9D,LYS_162,9.43,-0.67,0,-0.4
 3TOW,CYS_147,10.25,0,-0.27,1.53
 2NSN,LYS_46,10.44,-0.07,0,0
 1JSX,HIS_153,5.58,-1.09,0.01,0.17
 1HF8,ASP_235,3.03,-0.77,-0.49,0.48
 3BPP,TYR_233,10.04,0,0.004
 1MD6,LYS_78,10.32,-0.32,0,0.14
 2WOZ,GLU_429,4.57,1.13,-0.85,-0.2

2NYC,LYS_185,10.41,-0.09,0,0
 3A7L,GLU_76,4.67,0.24,0,-0.07
 3FNI,ASP_46,3.1,-0.98,-0.03,0,3
 2VAN,LYS_234,9.71,-0.73,0,-0.06
 2FBI,GLU_73,3.35,0.44,-1.16,-0.42
 2XWS,TYR_111,10.07,0.02,0,0.05
 4AF2,HIS_6,6.9,-0.39,0.43,0.36
 15BX,HIS_89,6.42,-0.08,0,0
 1BYI,GLU_137,3.64,1.33,-1.8,-0.4
 3KT9,CYS_5,11.87,0.031,2.56
 3B7H,ASP_69,3.05,-0.84,-0.12,0.22
 2R0S,TYR_318,11.59,0.026,1.33
 2EFK,ARG_27,12.42,-0.17,0,0.09
 1EDG,ASP_281,3.99,-0.83,0.29,0.73
 2O8P,GLU_188,3.8,0.37,-0.69,-0.38
 3LPZ,ARG_257,12.33,-0.3,0,0.13
 1TJE,LYS_122,10.56,-0.1,0,0.16
 2QOP,GLU_61,5.12,0.51,0,0.12
 3ASA,ARG_340,12.46,-0.08,0,0.04
 2E3C,GLU_360,4.09,0.45,-0.57,-0.3
 2R0S,ASP_109,2.58,-1.64,0,0.43
 3E0H,TYR_102,11.04,0.016,0.88
 3D9H,ARG_144,13.02,-0.56,0.81,0.26
 3R1X,TYR_39,11.77,0.81,0.41,0.55
 3KB5,ARG_444,12.37,-0.09,0,-0.03
 1EV8,ARG_166,12.33,-0.77,0,0.49
 1TWU,GLU_30,4.2,0.72,-0.66,-0.36
 4DNU,TYR_248,13.99,0.056,3.43
 2GZR,ASP_272,3.94,0,-0.02,0.16
 1GXN,ARG_468,12.55,-1.51,0.82,0.74
 3GW3,TYR_311,12.26,0.85,0.8,0.61
 3UOV,CYS_12,9.78,-0.31,-0.26,1.36
 2AXO,TYR_85,9.85,-0.74,0,0.58
 3IPZ,GLU_146,4.71,0.19,0,0.02
 2H01,ASP_125,3.76,-1.56,-0.08,1.6
 2WB8,LYS_618,10.31,-0.17,0,-0.02
 1R3F,ARG_271,12.25,-0.26,0,0.02
 2P1W,ASP_139,3.66,-1.21,-0.46,1.53
 1ANU,ASP_40,2.95,-1.05,-0.22,0.43
 1Z3X,ASP_47,3.57,-0.85,-0.15,0.77
 3ODJ,HIS_134,6.51,-0.13,0,0.15
 3ZSL,LYS_210,11.31,-0.37,0.8,0.37
 3CZC,CYS_8,8.13,-2.02,0,1.15
 2D2S,HIS_611,6.49,-0.27,0,0.26
 3CCY,LYS_85,11.33,-0.35,0.79,0.38
 2XWS,GLU_105,3.92,0.31,-0.85,-0.03
 2QZQ,GLU_139,3.64,0.78,-1.64,0
 1EV8,GLU_195,4.64,0.17,0,-0.03
 1JT9,CYS_219,9.05,-0.13,0,0.18
 1V43,ASP_279,3.93,0,-0.02,0.15
 1UJ8,ASP_54,3.48,-0.25,-0.29,0.21
 3M66,LYS_274,11.19,-0.31,0.73,0.27
 1WXQ,LYS_152,10.47,-0.05,0,0.02
 3CE2,LYS_144,10.28,-0.24,0,0.02
 1OIS,ASP_141,3.09,-0.85,-0.01,0.15
 2CN1,GLU_259,4.65,0.09,0,0.06
 3BWT,ASP_562,3.93,0,-0.1,0.23
 2HRZ,ASP_61,3.13,-0.43,-0.92,0.69
 2B2H,TYR_284,10.73,-0.11,0,0.83
 3HNX,ASP_36,3.92,-0.56,0.14,0.54
 1OSJ,GLU_76,4.51,0.11,0,-0.11
 2B61,LYS_314,10.47,-0.24,0,0.2
 1V43,LYS_82,10.49,-0.27,0,0.26
 3R1Z,LYS_129,10.55,-0.2,0,0.24
 2D7U,TYR_52,10.09,-0.38,-0.28,0.75
 4DNU,LYS_165,11.62,-0.41,0.78,0.75
 3BA1,ARG_288,11.32,-1.26,0,0.08
 1V43,GLU_334,4.84,0.57,0,-0.23
 3F5D,HIS_188,6.3,-0.2,0,0
 2CYG,ARG_232,12.45,-0.05,0,0
 1NIJ,ARG_22,12.49,-0.2,0,0.19
 2H85,GLU_91,4.13,0.41,-0.41,-0.37
 3GYW,ASP_223,3.81,0,-0.15,0.17
 3E7P,ASP_165,4.01,0,-0.12,0.32
 2PWQ,GLU_94,4.66,0.16,0,0
 2V4X,TYR_116,11.52,-0.85,-0.33,2.7
 2H01,ARG_61,13.28,-0.42,0.62,0.57
 2E0T,TYR_113,11.67,-0.72,0.01,2.38
 2B61,ARG_61,13.77,-0.41,1.05,0.62
 2R0S,ASP_311,3.43,-0.57,-0.17,0.37
 1PVT,GLU_72,4.8,0.22,0,0.09
 1XIP,HIS_70,6.13,-0.93,0.76,-0.21
 2X5Y,LYS_849,10.11,-0.47,0,0.07
 2WOZ,TYR_317,12.67,0.041,2.26
 3ANJ,LYS_3,10.45,-0.05,0,0
 4DBX,TYR_288,11.23,0.043,0.81
 3DTE,ARG_72,12.02,-0.23,0,-0.25
 1PVT,ARG_6,12.26,-0.18,0,-0.06
 2QVO,LYS_7,10.41,-0.47,0,0.37
 1RKA,GLU_214,4.67,0.26,0,-0.08
 1FQI,GLU_345,4.2,0.29,-0.16,-0.43
 1XDZ,LYS_219,10.32,-0.19,0,0
 2G9D,GLU_146,4.01,0.42,-0.74,-0.18
 4H86,ASP_108,2.59,-1.61,-0.15,0.54
 3B21,GLU_44,3.71,0.37,-0.77,-0.38
 2D0A,ARG_258,12.41,-0.22,0,0.13
 3IBT,GLU_226,4.75,0.24,0,0.02
 1AKO,CYS_241,10.62,-0.27,0.07,1.83
 2CXC,LYS_90,10.58,-0.08,0,-0.14
 1RLO,GLU_99,2.84,0.71,-1.73,-0.67
 2EEY,LYS_137,10,-0.34,0,-0.17
 2G2D,ASP_148,4.03,0,0,0.23
 3UAH,ARG_204,10.85,-2.09,0,0.43
 2CXV,TYR_23,12.79,0.07,2.72
 3M70,ASP_54,3.89,-0.2,-0.02,0.31
 3LJC,ARG_17,11.09,-1.15,0,-0.27
 2YWK,LYS_43,10.5,-0.13,0,0.13
 3CAX,ARG_428,12.44,-0.09,0,0.03
 1V43,GLU_128,4.65,0.31,0,-0.16
 2PGX,ARG_101,11.77,-1.27,0,0.55
 4DBX,LYS_113,10.39,-0.24,0,0.13
 2O8P,TYR_137,11.21,0.05,1.16
 1LZL,ARG_263,12.88,-1.07,0.71,0.74
 4ETX,GLU_357,3.59,0.32,-0.73,-0.49
 3IRA,ARG_81,12.67,-0.81,0.19,0.78
 3V1Q,GLU_545,3.64,0.31,-1.17,-0.01
 1YG2,ARG_148,12.27,-0.29,0,0.05
 3VJ8,ASP_145,2.98,-0.78,-1.17,1.14
 2AZP,TYR_185,11.42,0,0,1.42
 3B21,LYS_132,10.52,-0.13,0,0.15
 2R4Q,LYS_193,10.2,-0.4,0,0.1
 3DB9,ARG_173,11.64,-1.18,0,0.31
 1UOH,TYR_161,11.26,0.22,0.53,0.5
 1V8E,ARG_10,13.89,-0.56,1.48,0.47
 2B6P,GLU_250,4.08,0.27,-0.68,0
 1WNH,GLU_18,5.98,3.28,-0.84,-0.97
 3ADO,ASP_226,4.02,0,0,0.22
 2D2S,HIS_701,3.28,-2.81,0,-0.41
 3CS1,GLU_29,4.75,0.21,0,0.04
 3B7H,LYS_55,10.15,-0.21,0,-0.15
 3UV9,CYS_380,11.92,-1.29,0.33,3.88
 2XHC,LYS_24,10.57,-0.11,0,0.18
 4DVD,ASP_163,3.03,-0.82,-0.29,0.34
 3ZXY,HIS_30,6.21,-1.24,0.78,0.17
 2EHG,LYS_82,11.28,-0.32,0.51,0.59
 1L3K,LYS_130,10.61,-0.18,0,0.29
 3O48,GLU_23,2.87,0.44,-1.69,-0.38
 2AXO,HIS_125,5.48,-0.83,0,-0.19
 2CXV,ARG_49,13.01,-0.31,0,0.82
 2ZQ5,ARG_214,11.15,-1.38,0,0.03
 3UAH,LYS_246,10.48,-0.14,0,0.12
 1X04,LYS_167,10.07,-0.24,0,-0.19
 1KN3,LYS_182,10.41,-0.09,0,0
 2DFL,LYS_235,10.15,-0.19,0,-0.17
 2A0J,GLU_52,4.07,2.73,-2.33,-0.85
 1NIJ,LYS_168,11.6,-0.23,0.84,0.49
 1O17,HIS_63,5.62,-0.75,0,-0.13
 3VJ8,TYR_341,10.76,-0.65,0.25,1.17
 3ELI,GLU_96,4.15,0.41,-0.41,-0.35
 1WNH,LYS_167,10.59,-0.27,0,0.37
 3H6F,GLU_25,4.56,0.1,0,-0.04
 2F85,GLU_113,3.21,0.43,-1.56,-0.16
 1RZ2,TYR_124,10.38,0.013,0.25
 3LH5,ARG_740,12.73,-1.48,0.47,1.24
 3MTT,TYR_467,10.52,0.026,0.26
 3ETU,ASP_37,3.94,0,0,0.14
 1X6J,HIS_10,6.92,-0.41,0.73,0.1
 1Q42,GLU_154,4.77,0.24,0,0.03
 2H8O,LYS_145,10.35,-0.2,0,0.05
 2DBN,LYS_22,10.35,-0.15,0,0
 2QZQ,LYS_97,11.31,-0.44,0.85,0.39
 1R15,GLU_225,4.22,3.23,-2.37,-1.13
 3NZL,HIS_75,6.39,-0.21,0,0.09
 2OJQ,GLU_645,3.49,0.31,-1.32,0
 2PSD,GLU_110,4.66,0.16,0,0
 3H5T,ASP_297,3.39,-0.73,-0.14,0.46
 2OGQ,CYS_372,9.25,-0.25,0.31,0.2
 1PDB,ARG_36,12.15,-0.49,0,0.14
 1QQE,ASP_98,3.99,-0.48,-0.09,0.75
 1WPA,ARG_434,12.24,-0.27,0,0.01
 1SUU,TYR_558,10.67,0.039,0.29
 1UAJ,LYS_14,10.81,-0.15,0,0.46
 4FLE,TYR_7,11.37,-1.53,0,2.89
 3F7M,HIS_171,5.85,-0.82,0.01,0.16
 2GAU,LYS_227,10.4,-0.09,0,-0.01
 3CNU,GLU_20,4.62,0.12,0,0
 3DHN,TYR_175,11.7,0.048,1.2
 1IDK,ASP_77,4.58,-0.23,0.44,0.56
 2VGM,LYS_165,10.26,-0.63,0,0.38
 3ON1,GLU_101,4.64,0.15,0.03,-0.04
 3LD1,LYS_271,10.29,-0.38,0,0.16
 2OPJ,CYS_266,12.81,0.1,1.1,2.7
 2ZTY,ASP_32,3,-0.68,-0.65,0.53
 1N81,ARG_144,12.45,-0.05,0,0
 3ETV,TYR_94,10.18,-0.47,0.23,0.41
 1OTM,GLU_150,6.01,1.54,-0.63,0.61
 1PGM,ARG_376,11.91,-0.77,0,0.18
 1FZV,CYS_45,9.83,-0.97,0,1.8
 1MTZ,LYS_28,11.18,-0.27,0.57,0.38
 3PBH,HIS_49,6.26,-0.26,0,0.02
 2F8H,TYR_148,13.62,0.85,0.68,2.09
 3FTT,GLU_126,5.72,1.7,0,-0.48
 2ZOW,CYS_64,10.46,0.33,1.14
 1J7G,LYS_87,10.47,-0.03,0,0
 3CAN,GLU_120,3.91,0.33,-0.85,-0.07
 2QHT,LYS_173,10.39,-0.39,0,0.28
 1YR6,GLU_113,3.78,0.35,-0.69,-0.38
 2BV9,TYR_247,13.79,0.85,0.6,2.33
 1Q46,GLU_99,4.59,0.23,0,-0.14
 3C5V,ARG_371,12.54,-0.06,0,0.1
 1Q2Y,GLU_33,4.77,0.19,0,0.09
 1C44,GLU_15,4.68,0.23,0,-0.05
 3CAX,ARG_376,13.48,-0.22,0.8,0.4
 1J74,LYS_24,11,-0.18,0.23,0.45
 3ETU,ARG_44,12.39,-0.15,0.03,0
 3CCY,LYS_172,10.25,-0.3,0,0.05
 2W2S,ARG_167,12.33,-0.17,0,0
 3LH5,LYS_702,10.41,-0.44,0,0.34
 3VJ8,TYR_105,11.11,0.03,1.08
 2QDJ,GLU_280,4.71,0.48,-0.16,-0.11
 2OJQ,ARG_478,12.23,-0.84,0,0.58
 3CAX,GLU_417,3.84,0.35,-0.38,-0.63
 2D59,GLU_79,4.33,1.16,-1.16,-0.19
 1IAPHIS_228,5.75,-0.88,0,0.13
 3DZ1,ASP_237,3.83,0,-0.12,0.16
 1BN6,ARG_97,12.91,-0.32,0.17,0.57
 1P2F,ARG_63,13.25,-0.14,0.39,0.5
 1MTZ,HIS_264,5.83,-0.85,0,0.17
 2B3M,HIS_84,5.78,-1.54,0.46,0.36
 3A0X,LYS_699,10.43,-0.5,0,0.43
 1O59,ARG_129,12.6,-2.17,0.2,2.27
 3L7N,HIS_143,3.42,-2.77,0,-0.31
 1WPA,LYS_494,10.37,-0.13,0,0
 3T5B,TYR_301,13.84,-0.05,0.92,2.97
 2CBE,TYR_128,10.92,0.28,0.02,0.63
 1LPL,GLU_186,4.83,0.25,0,0.08
 1NJ4,GLU_342,5.08,0.98,0,-0.39
 3DZ1,ASP_21,2.77,-1.06,-0.57,0.6
 3C6B,ASP_230,3.61,-0.07,-0.38,0.26
 1LZL,GLU_190,7.88,4.1,-0.84,0.12
 1T07,TYR_101,11.24,0.037,0.86
 2OSA,ASP_371,3.32,-0.82,0.03,0.34
 3UAH,HIS_420,5.67,-1.14,0.03,0.29
 3LJN,LYS_26,9.93,-0.21,0,-0.36
 3IBT,CYS_31,11.69,0,-0.31,2.99
 3ZSL,ARG_151,13.47,-0.35,0.79,0.52
 3HYQ,GLU_42,4.57,0.16,0,-0.09
 1ZP2,GLU_90,3.6,1.19,-1.38,-0.71
 22M,ASP_296,2.83,-1.53,-0.29,0.84
 4DND,GLU_49,4.83,0.33,0,0
 3I47,TYR_93,10.21,0,0,0.21
 3O16,GLU_141,4.47,0.79,-0.32,-0.49
 1J74,GLU_130,3.34,0.5,-1.58,-0.07
 1MTZ,ASP_287,2.98,-0.75,-0.5,0.43
 3C6B,ARG_90,12.59,-1.18,0.22,1.05
 1NJ4,ARG_344,12.03,-0.91,0,0.43
 3IRA,LYS_9,10.45,-0.05,0,0.01
 4EZB,ARG_127,12.31,-0.19,0,-0.01
 1YWS,TYR_49,12.2,-0.75,-0.31,3.26
 1WJG,LYS_3,10.56,-0.07,0,0.13
 3C38,TYR_266,11.99,0.39,0.66,0.94
 3D9H,GLU_251,4.7,0.27,-0.01,-0.06
 1WPA,ASP_466,4.05,0,-0.02,0.27
 3KV0,GLU_205,3.79,0.4,-0.77,-0.33
 2Q99,LYS_65,10.53,-0.33,0,0.36
 2D59,TYR_112,10.16,-0.85,0.02,0.99
 2IXM,ARG_173,12.45,-0.16,0,0.11
 3GS3,LYS_45,11.32,-0.46,0.85,0.42
 2H2W,LYS_13,10.49,-0.01,0,0
 3ETU,ASP_187,3.94,0,0,0.14
 1FO9,ARG_192,12.26,-0.35,0,0.11
 2CXCH,ARG_37,13.65,-1.53,1.53,1.14
 3L7N,ASP_195,4.03,0.09,0,0.15
 2WB8,ARG_732,13.28,-0.26,0.69,0.34
 2V1L,GLU_61,4.05,0.94,-1.26,-0.12
 3E7P,LYS_37,10.32,-0.18,0,0
 3BCH,LYS_89,10.01,-0.34,0,-0.15
 3BQE,ASP_275,3.03,-1.59,-0.01,0.83
 1T3Y,LYS_4,10.2,-0.3,0,0
 2INO,GLU_20,4.37,1.38,-1.51,-2.78E-17
 3CE7,ASP_14,3.62,-0.18,-0.45,0.45
 3COC,GLU_345,4.53,0.44,-0.41,0
 1WXQ,ARG_299,12.97,-0.71,0.74,0.43
 1YMS,HIS_185,6.31,-0.23,0,0.04
 1AIL,LYS_70,10.46,-0.04,0,0
 1BKR,LYS_15,10.14,-0.3,0,-0.05

4E6S,GLU_84,4.86,0.53,0,-0.17
3FTT,HIS_170,6.37,-0.37,0,0.24
2OKT,LYS_238,10.42,-0.15,0,0.09
3R87,ASP_40,3.26,-0.78,-0.16,0.4
2GKG,LYS_96,10.44,-0.06,0,0
3E7P,LYS_245,10.69,-0.62,0.42,0.38
2AHE,ASP_246,3.85,0,-0.09,0.15
1R3D,GLU_69,5.03,0.25,0,0.29
2VGM,LYS_322,10.66,-0.2,0,0.37
3EGN,LYS_396,10.48,-0.09,0,0.08
1SJ8,GLU_621,4.61,0.51,0,-0.4
3LJC,HIS_172,5.59,-0.86,0,-0.05
1QQE,GLU_12,4.59,0.14,0,-0.06
1XAW,TYR_467,10.66,0.043,0.23
2EJB,LYS_56,10.09,-0.35,0,-0.07
4EVF,ARG_293,12.22,-0.47,0,0.19
1U7U,ARG_206,12.62,-0.28,0.02,0.38
2PGX,ARG_164,12.09,-0.53,0,0.12
3DZ1,LYS_229,10.48,-0.2,0,0.18
3UX2,TYR_117,11.51,0.85,0.38,0.28
3BZT,HIS_265,7.09,-0.35,0.85,0.08
2FBQ,ARG_9,12.38,-0.23,0,0.12
3B79,GLU_92,4.17,0.49,-0.81,0
2G5X,ASP_7,3.59,-0.65,0.05,0.39
1RZ2,GLU_48,3.84,0.4,-0.6,-0.46
1WNH,HIS_138,4.12,-1.97,0.09,-0.51
4ECC,ASP_127,4.09,0,0,0.29
2OBI,ARG_152,10.69,-1.81,0,0
3K8J,TYR_190,10.88,0.11,0.77
2A6B,LYS_45,10.5,0,0,0
2YT4,HIS_685,4.13,-3.16,0.8,0
1TWU,ARG_127,12.61,-0.75,0.34,0.52
1WLJ,LYS_10,10.28,-0.22,0,0
3EGN,ARG_502,12.38,-0.12,0,0
1XTD,LYS_38,10.59,-0.18,0,0.27
3M3P,ASP_64,3.91,0,0,0.11
1YR6,ARG_90,12.4,-0.22,0,0.13
1FHL,ASP_127,4.18,0.04,0.34
1RHS,LYS_45,10.88,-0.12,0,0.5
1U7U,ARG_384,12.55,-0.27,0,0.32
2QEV,LYS_15,10.14,-0.36,0,0
3IVF,GLU_350,4.57,0.44,-0.24,-0.13
3LOD,HIS_84,6.78,-0.55,0.41,0.42
3V3T,GLU_232,3.41,0.34,-0.85,-0.57
3P51,LYS_39,10.24,-0.26,0,0
2CWY,GLU_35,4.16,0.35,-0.67,-0.01
2FGG,ASP_57,4.17,-0.19,0.02,0.54
3GT0,LYS_202,10.43,-0.07,0,0
2D7U,TYR_101,9.8,-0.51,0,0.31
1NFN,GLU_45,4.57,0.19,0,-0.11
1DVO,ARG_129,12.26,-0.76,0.02,0.5
2EJX,GLU_98,4.5,0.39,0,-0.39
3K8J,ASP_265,3.84,0,-0.24,0.29
1JT9,LYS_160,10.82,-0.6,0.77,0.15
1SJ8,ASP_760,2.25,-1.52,-0.44,0.41
2Q5X,CYS_818,8.92,-0.4,0.08,0.24
1RAJ,LYS_228,11.08,-0.23,0.32,0.48
4ECC,LYS_207,11.24,-0.18,0.53,0.38
3CAX,LYS_338,10.77,-0.32,0,0.58
3G59,ARG_239,12.16,-0.34,0,0
3CN5,LYS_161,10.37,-0.4,0.2,0.07
1D2K,ARG_120,12.56,-0.75,0.16,0.65
1YR6,GLU_58,4.17,0.45,-0.76,-0.01
1R5S,GLU_113,2.93,0.62,-1.54,-0.65
3HUE,CYS_117,10.61,-0.55,0.04,2.12
1WLJ,TYR_197,10.87,0.09,0,0.77
3HVM,LYS_133,10.9,-1.03,0.77,0.66
2RIS,CYS_91,12.44,0.0,12.3,3.2
3HUE,GLU_227,4.54,0.21,0,-0.17
1RHS,ASP_92,3.94,0,-0.05,0.19
2Q12,GLU_67,4.45,0.24,0,-0.29
1KCM,GLU_181,4.79,0.29,0,0
3V55,GLU_680,4.83,0.26,0,0.06
1W7B,CYS_262,12,-0.03,-1.21,4.22
2FBQ,ASP_12,3.62,-0.53,-0.67,1.02
2PGE,ARG_18,12.42,-0.08,0,0
1SQH,LYS_26,10.41,-0.32,0,0.24
3LMF,ARG_102,12.51,-0.28,0,0.29
1R3F,GLU_167,3.32,0.33,-1.06,-0.44
1YTD,LYS_170,10.42,-0.08,0,0
4FH3,GLU_43,4.4,0.24,0,-0.34
3P28,LYS_166,10.47,-0.05,0,0.02
2H01,ASP_14,3.83,-0.12,-0.07,0.21
3SMD,HIS_16,7.21,-0.28,0.85,0.13
3ZXY,GLU_106,4.99,0.51,0,-0.02
2I6I,ARG_6,12.48,-0.2,0,0.18
3D9H,GLU_253,4.33,0.36,-0.43,-0.09
1P4X,TYR_188,10.19,0,-0.05,0.23
3LH5,LYS_695,10.46,-0.17,0,0.13
1YM5,LYS_207,10.42,-0.08,0,0
3CAX,ARG_194,12.6,-2.19,1.34,0.94
1A8Q,ARG_54,12.37,-3.33,0.51,2.69
3LQE,ASP_366,4.09,0,-0.02,0.31
3NR5,LYS_146,10.93,-0.54,0.19,0.8
3OAR,ASP_569,4.05,0,-0.11,0.36
3V46,LYS_366,11.3,-0.31,0.74,0.38
1YIB,ASP_244,3.8,-0.32,-0.04,0.37
3ELI,ARG_92,12.35,-0.15,0,0
3V4G,LYS_146,11.02,-0.44,0.42,0.53
3G53,CYS_60,8.97,-0.85,0.26,0.56
1ZBS,CYS_123,11.09,-0.39,0.02,2.46
2FBQ,LYS_78,10.02,-0.19,0,-0.29
3IBT,LYS_115,10.33,-0.55,0,0.38
2YT4,GLU_518,3.51,0.68,-0.99,-0.69
1RKA,GLU_273,4.07,0.32,-0.42,-0.33
3RKV,GLU_234,4.11,0.28,-0.67,0
3ODJ,HIS_56,4.22,-3.02,0.74,-0.01
3CCY,HIS_106,4.03,-1.96,0,-0.51
1H09,TYR_120,10.71,0,0,0.71
2BDV,ARG_33,12.29,-0.21,0,0
1SQH,ARG_142,12.05,-0.5,0,0.06
3G9T,ASP_265,4.02,0,-0.16,0.37
2H30,HIS_181,6.34,-0.16,0,0
3CBN,ARG_77,12.55,-0.28,0,0.34
2W0Z,LYS_431,10.37,-0.17,0,0.04
1R3F,ARG_75,13.13,-0.82,0.76,0.68
1EQ6,LYS_147,10.4,-0.11,0,0
1AM2,TYR_102,10.01,-0.14,-0.33,0.48
3NR5,TYR_61,10.57,0,0.19,0.38
2W1R,TYR_133,11.85,0.36,1.49
3CCY,GLU_56,4.78,0.34,0,-0.06
3P28,GLU_209,4.12,0.32,-0.55,-0.15
3C38,GLU_209,4.32,0.92,-1.16,0.06
3LJI,GLU_107,4.7,0.31,0,-0.11
2H85,LYS_110,10.47,-0.08,0,0.06
3AU3,ARG_414,12.13,-0.57,0,0.19
3CRM,ARG_223,10.15,-2.05,0,-0.3
1H4U,ARG_383,12.45,-0.09,0,0.04
3N2T,ARG_315,13.23,-0.34,0.55,0.52
3EIZ,CYS_115,8.61,-1.38,0.01,0.97
3F6F,ASP_58,1.2,-2.66,-0.83,0.89
2BAA,ASP_95,3.36,-0.75,-0.08,0.4
1P6F,LYS_61,11.22,-0.72,0.72,0.72
2W1R,LYS_96,10.3,-0.4,0,0.19
1NRI,ARG_113,12.45,-0.05,0,0
1A8Q,TYR_182,10.26,0.0,13.0,12
1JSX,HIS_53,5.35,-0.85,0,-0.3
3EJC,LYS_12,10.47,-0.03,0,0
3F6F,LYS_76,12.15,-0.39,0.96,1.08
1R6Y,ARG_17,12.13,-0.55,0,0.17
3BJV,ARG_70,12.63,-0.15,0,0.28
1BKB,ASP_95,1.65,-2.4,-0.77,1.01
1RIS,ARG_106,12.29,-0.21,0,0
1ZBP,TYR_235,10.4,-0.02,0.13,0.29
1UAJ,TYR_181,10.34,0,-0.05,0.39
2CYG,ASP_99,3.61,-0.13,-0.36,0.3
1XAW,ASP_451,4.14,0,-0.02,0.36
3CAX,GLU_140,4.79,0.3,0,-0.01
2V5B,HIS_188,3.61,-3.53,0.81,-0.16
2EYI,HIS_184,5.78,-0.72,0,-0.01
3JRT,GLU_74,5.9,1.82,0,-0.42
1NAF,GLU_246,3.78,0.15,-0.45,-0.42
3K8J,ARG_78,12.18,-0.39,0,0.07
2FL4,TYR_112,9.98,-0.56,0.1,0.44
1SIG,TYR_137,13.21,0.04,0.62,2.56
1L3K,LYS_105,10.68,-0.28,0,0.46
3CIV,ARG_168,13.52,-0.55,0.81,0.76
2A0J,ASP_93,2.48,-1.5,-0.36,0.53
1OXZ,LYS_295,10.38,-0.29,0,0.16
1XFK,LYS_147,10.46,-0.04,0,0
3OKQ,GLU_653,4.76,0.26,0,0
3A2Z,GLU_193,4.09,0.3,-0.81,0.1
1XFK,TYR_248,10.82,0.17,0.65
1R53,ASP_26,3.7,-0.14,-0.34,0.37
3ULX,ASP_157,4.01,0,-0.11,0.32
2H2W,LYS_76,10.62,-0.14,0,0.25
3ONH,ASP_533,3.95,0.03,0.12
1NJ4,HIS_216,5.99,-0.68,0.01,0.16
1SNT,ARG_182,11.67,-0.9,0,0.08
1TF7,CYS_37,12.36,0.0,0.79,2.57
3RAZ,GLU_129,4.19,1.31,-0.76,-0.87
3B7H,GLU_42,4.64,0.14,0,0
2POL,ASP_195,3.58,-0.44,-0.34,0.56
3CCY,GLU_83,4.62,0.13,0,-0.01
1WPA,ARG_456,4.89,0.36,0,0.03
1XEU,LYS_72,10.44,-0.06,0,0
3G59,ARG_176,13.03,-1.38,0.55,1.37
1G5Z,GLU_71,3.72,0.28,-0.68,-0.38
2A4D,GLU_96,4.74,0.15,0,0.09
3Q6L,ASP_18,2.87,-0.46,-1,0.53
3QFP,TYR_455,10.15,0,0.15
1TR9,ARG_258,12.08,-0.81,0,0.39
1R9W,ARG_294,12.92,-0.73,0.79,0.36
2F19,ARG_27,12.51,-0.14,0,0.14
1CBY,LYS_199,9.86,-0.74,0,0.1
3DSH,CYS_388,11.87,-0.28,0.1,3.04
2I88,LYS_362,9.68,-0.85,0,0.03
1JYH,GLU_4,4.46,0.17,0,-0.22
1A8Q,LYS_263,10.38,-0.5,0,0.38
3M16,GLU_242,5.01,0.76,0,-0.26
1ES9,ARG_160,12.38,-0.34,0,0.23
3BWT,ASP_671,3.69,-0.22,-0.3,0.4
3VJ8,GLU_199,4.79,0.26,0,0.02
1R16,LYS_4,11.42,-0.33,0.57,0.68
3RJZ,ARG_133,12.47,-0.33,0,0.3
2AHE,LYS_124,10.31,-0.23,0,0.03
2X4G,GLU_313,3.46,0.68,-1.07,-0.64
2O0K,ARG_162,12.35,-0.41,0,0.26
2VGM,LYS_264,10.11,-0.4,0.0,0.1
3CGW,LYS_87,10.06,-0.36,0,-0.06
2PGE,GLU_274,3.88,0.18,-0.74,-0.06
1ZHV,TYR_14,11.34,-0.85,0.4,1.78
1U53,LYS_140,11.45,-0.32,0.84,0.43
2BCF,TYR_258,9.88,-0.03,-0.38,0.3
2A6B,ASP_93,3.57,-1.22,0,0.99
1WYC,GLU_336,4.5,0.14,0,-0.14
3E7P,LYS_72,10.16,-0.28,0,-0.06
4DIU,HIS_53,4.06,-3.14,0.71,0
3K1H,LYS_38,10.62,-0.11,0,0.23
2POL,GLU_46,3.92,1.38,-1.52,-0.45
1YB2,HIS_238,5.96,-0.35,0,-0.19
4FLE,LYS_24,10.33,-0.17,0,0
1A8Q,GLU_160,3.84,0.54,-0.82,-0.38
2GAU,ASP_223,4.05,0,0.09,0.15
3ELI,HIS_87,5.91,-0.8,0.43,-0.22
3K9I,LYS_148,10.36,-0.25,0,0.11
2YX0,ARG_224,13.92,-0.82,1.26,0.98
3V55,LYS_447,11.38,-0.2,0.7,0.38
1WXQ,LYS_188,10.46,-0.49,0.41,0.04
3D9H,GLU_140,3.82,1.66,-1.27,-1.07
1P6F,LYS_59,10.21,-0.41,0,0.11
2QHT,LYS_175,10.46,-0.11,0.02,0.05
1KCM,LYS_179,10.19,-0.65,0,0.34
3F1X,HIS_201,5.85,-0.55,0,-0.09
1OXZ,ASP_274,3.91,-0.06,0.02,0.16
2VGM,ARG_286,4.82,0.29,0,0.02
4DNU,GLU_186,11.84,-1.29,0.1,0.53
2YLF,ARG_92,12.94,-0.31,0.51,0.24
2IXM,TYR_45,11.33,0,-0.11,1.43
2AD1,ASP_196,4.65,0,-0.22,1.08
1M5I,GLU_140,3.47,0.51,-1.21,-0.34
3BWT,CYS_738,10.93,-0.1,-0.16,2.19
1LLW,ASP_110,13.96,0,-0.03,0.2
2OJQ,LYS_525,10.33,-0.33,0,0.16
3TMO,ARG_187,12.47,-0.03,0,0
1D2K,HIS_251,4.09,-2.44,0.09,-0.04
1RIS,ARG_260,12.55,-0.27,0,0.32
3ETU,ARG_193,12.16,-0.36,0,0.02
2IF4,GLU_173,2.63,1.01,-2.48,-0.4
3ON1,LYS_5,10.42,-0.08,0,0
1BYI,LYS_2,10.75,-0.21,0,0.47
2QVO,ARG_5,12.43,-0.07,0,0
1MIX,ARG_277,12.43,-0.07,0,0
3C5V,ASP_299,3.28,-0.58,-0.38,0.44
1GXN,TYR_616,10.13,0,-0.29,0.43
3MIX,HIS_482,4.71,-1.44,0,-0.34
4F8A,LYS_577,10.02,-0.37,0,-0.12
2RJD,GLU_522,4.73,0.23,0,0
3EAZ,ARG_89,12.61,-0.32,0,0.43
1NUJ,LYS_318,11.12,-0.31,0.46,0.47
2WB3,ASP_337,2,-1.47,-0.88,0.55
3M9A,GLU_92,4.57,0.34,0,-0.27
3CX5,GLU_120,5.86,0.96,-0.06,0.46
2IF4,GLU_197,4.91,0.25,0,0.16
3I82,ASP_206,4.11,0,-0.07,0.39
3LH5,GLU_664,3.2,0.48,-0.99,-0.78
1UX0,LYS_146,10.42,-0.17,0,0.1
3V75,ASP_206,3.65,-0.38,-0.19,0.42
3ADO,LYS_178,10.33,-0.17,0,0
1AM2,GLU_96,4.71,0.19,0,0.02
3JSN,ASP_36,3.83,0,-0.25,0.28
3LQE,ARG_268,9.97,-2.65,0.0,0.12
3B21,LYS_51,10.29,-0.21,0,0
1X1E,GLU_209,2.35,0.48,-1.99,-0.63
3B21,GLU_113,2.64,1.42,-2.44,-0.84
3T57,LYS_76,10.47,-0.34,0,0.31
2CWA,ASP_82,4.57,-0.2,0.01,0.97
2OJQ,LYS_473,10.45,-0.5,-0.05,0
1L2F,GLU_294,4.57,0.15,0,-0.08
3C5V,GLU_361,4.48,0.22,0,-0.23
1W7B,LYS_279,10.66,-0.2,0.0,0.36
1U3Y,GLU_264,4.29,0.69,-0.72,-0.17
3MEV,LYS_140,10.45,-0.05,0,0
1PDB,HIS_127,5.84,-0.92,0.02,0.23
2CW4,LYS_57,10.84,-0.29,0.0,0.64
2E3S,GLU_446,4.27,2.41,-1.75,-0.89

3C6B,ASP_63,2.7,-1.63,-0.46,0.99
 3I4T,TYR_34,10.81,0.028,0.54
 3V55,LYS_543,10.41,-0.09,0,0
 1ZP2,ASP_130,3.87,0,-0.13,0.2
 1T07,LYS_9,9.66,-1.15,0,0.31
 2Q99,LYS_357,10.58,-0.24,0,0.31
 3C5V,LYS_293,10.48,-0.13,0,0.11
 1T07,GLU_61,4.72,0.18,0,0.05
 1N81,TYR_166,11.25,-0.11,0.09,1.27
 2X4G,ARG_231,12.34,-0.36,0,0.19
 2BV9,ASP_85,3.68,-0.85,-0.48,1.21
 2CYG,GLU_122,5.81,1.2,-0.81,0.92
 2JKF,GLU_111,4.68,0.12,0,0.06
 3EUR,LYS_66,9.94,-0.48,0,-0.09
 3ADO,ARG_197,12.33,-0.28,0,0.11
 1L3K,GLU_24,4.71,0.17,0,0.04
 1X91,LYS_24,10.21,-0.3,0,0.02
 1RHS,ARG_29,12.22,-1.3,0.71,0.3
 1TUL,TYR_69,12.28,-0.12,0.41,1.99
 1A8Q,ASP_82,4.04,-0.1,0.04,0.3
 3BQE,ARG_272,12.25,-1.0,0.07,0.68
 1OST,ARG_106,12.3,-0.22,0,0.02
 1N14,LYS_254,10.95,-0.74,0.66,0.53
 1H4U,HIS_370,6.08,-0.42,0,0
 2OEW,HIS_249,5.4,-1.62,0.68,-0.15
 2ILR,GLU_448,5.04,0.33,0,0.2
 3EIZ,LYS_95,10.62,-0.33,0,0.44
 1X91,ASP_113,3.41,-0.42,-0.29,0.32
 3P29,HIS_90,2.48,-3.96,0,-0.06
 1UW7,LYS_52,11.34,-0.39,0.85,0.38
 3DHN,ASP_165,3.8,0,-0.51,0.51
 1FKM,LYS_302,10.1,-0.31,0,-0.1
 1N14,ASP_286,3.53,-0.35,-0.13,0.21
 1AK1,TYR_216,10.55,0,-0.11,0.66
 1GVP,TYR_26,10,-0.07,-0.19,0.26
 1BKR,CYS_12,12.16,-0.05,0,0.21
 1SQH,ARG_73,12.48,-0.27,0,0.32
 2QZQ,GLU_127,4.18,1.05,-0.98,-0.38
 3BB7,TYR_312,11.04,-0.85,0.02,1.87
 3V1Q,GLU_501,4.54,1.31,-0.85,-0.41
 3B79,GLU_60,4.76,0.26,0,-0.01
 2IXM,CYS_164,12.44,0.035,3.08
 2QEV,ASP_44,2.53,-0.85,-0.89,0.48
 1PGV,ARG_384,12.22,-0.14,0,-0.13
 2A1V,ASP_12,3.04,-1.86,0.13,0.97
 3F1X,LYS_298,10.44,-0.06,0,0
 2W2S,ASP_145,4.16,0.06,0,0.3
 2FD5,LYS_176,9.76,-0.6,0,-0.14
 3AU3,GLU_443,4.59,0.24,-0.01,-0.14
 1AK1,LYS_130,10.03,-0.51,0,0.04
 4DIU,TYR_133,12.21,0.035,1.86
 4FH3,GLU_303,2.81,0.47,-1.75,-0.4
 1TXD,GLU_877,4.13,1.1,-0.72,-0.77
 3EGN,GLU_387,4.32,0.1,0,-0.27
 3CS1,ASP_112,3.88,-0.01,-0.12,0.21
 4AM1,ARG_124,10.07,-2.01,0,-0.43
 3IU5,TYR_85,10.96,0,-0.14,1.09
 1L2F,ASP_84,4.36,-0.11,-0.15,0.83
 2G3A,ASP_105,3.18,-0.52,-0.34,0.23
 3C38,ASP_97,3.72,-0.73,0,0.65
 3IL3,GLU_172,4.09,0.46,-0.57,-0.31
 2HP7,GLU_90,3.92,0.32,-0.62,-0.28
 1GQE,LYS_282,11.36,-0.23,0.71,0.38
 2E0T,ARG_192,12.34,-0.16,0,0
 2YLF,TYR_49,12,-0.15,0.55,1.6
 3BA1,GLU_238,5.84,1.88,-0.82,0.27
 3HUE,GLU_67,3.77,0.42,-0.81,-0.36
 3D9H,GLU_75,5.93,1.43,0,-0.01
 3T57,LYS_131,10.89,-0.25,0.17,0.47
 3EYE,TYR_124,10.34,0,0,0.34
 3ADO,ARG_50,12.39,-0.3,0,0.18
 2G5X,LYS_12,10.61,-0.13,0,0.24
 2JKF,LYS_124,10.2,-0.52,0,0.22
 2QK1,ASP_331,3.56,-0.39,-0.27,0.43
 2QD1,GLU_184,4.62,0.22,-0.1,0
 3GW3,ARG_332,11.89,-0.67,0,0.06
 1T6L,LYS_113,11.46,-0.33,0.82,0.47
 2AZL,ARG_129,12.37,-0.37,0,0.24
 3LD1,LYS_284,10.52,-0.28,0,0.31
 1L2F,LYS_125,10.08,-0.21,0,-0.21
 2YWX,LYS_23,10.39,-0.12,0,0.01
 2CN1,GLU_69,4.41,0.23,0,-0.32
 3BB7,TYR_235,13.56,0,0.19,3.37
 2H2W,LYS_224,10.49,-0.2,0,0.19
 3ODJ,ARG_82,12.25,-0.26,0,0.02
 3CIV,GLU_56,4.35,0.34,-0.18,-0.31
 3Q9P,ARG_136,12.09,-0.42,0,0.01
 2IIA,ARG_6,12.22,-0.37,0,0.08
 2H8O,ARG_227,11.22,-1.23,0,-0.05
 2IRM,ASP_154,4.21,0,0,0.41
 3JZN,LYS_400,10.54,-0.14,0,0.19
 1ZP2,ARG_51,13.44,-0.45,0.75,0.64
 4ECC,ASP_73,4.33,-0.2,-0.13,0.85
 1U3Y,ARG_305,12.41,-0.09,0,0
 4EZB,ASP_204,3.35,-0.56,-0.25,0.35
 2E3S,ARG_544,13.55,-1.06,1.56,0.55
 1SFE,ARG_151,13.05,-0.22,0.3,0.47
 3CIV,GLU_291,4.87,0.26,0,0.11
 3L7N,ASP_45,4.21,0,0,0.25
 4D8L,ARG_199,13.2,-1.09,0.83,0.96
 2ZQ5,LYS_306,11.17,-0.57,0.85,0.38
 2G9D,ARG_233,13.24,-0.29,0.6,0.44
 3BQE,ARG_244,12.53,-0.1,0,0.13
 1RIS,GLU_211,4.58,0.44,0,-0.36
 2AHE,LYS_204,10.48,-0.19,0,0.18
 1GPP,LYS_113,10.37,-0.19,0,0.06
 1X1E,ARG_95,13.47,-0.4,0.68,0.69
 2XHC,GLU_27,4.61,0.11,0,0
 2HXB,CYS_30,9.37,0.06,0.31
 2G2D,CYS_39,12.07,0.02,1.286
 1AKO,HIS_25,4.54,-1.71,0,-0.23
 3IOC,TYR_237,10.87,0.0,0.3
 2P6S,ARG_96,12.69,-0.17,0,0.37
 3P28,LYS_110,11.25,-0.54,0.85,0.43
 2FXT,TYR_305,11.66,0,-0.04,1.7
 3HYQ,GLU_143,4.64,0.31,-0.17,0.01
 3HNX,LYS_67,10.56,-0.16,0,0.23
 1WRU,TYR_100,10.96,0.22,0.3,0.19
 1E5S,LYS_221,10.49,-0.21,0,0.15
 1R5S,ARG_94,12.12,-0.28,0,-0.1
 1SIG,LYS_392,10.35,-0.15,0,0
 2OBI,TYR_169,10.74,0,0.14,0.6
 1X7F,LYS_287,11.17,-0.47,0.85,0.28
 3GS9,ASP_24,3.92,-0.06,0,0.18
 1TR9,GLU_16,4.27,0.27,-0.35,-0.15
 2XWS,GLU_29,3.21,0.37,-1.12,-0.54
 2Q5X,GLU_781,3.69,0.68,-0.68,-0.81
 1T07,HIS_0,6.58,-0.08,0.16,0
 3Q6L,GLU_15,4.65,0.16,0,0
 3F6F,TYR_112,10.98,-0.17,0.32,0.84
 1PGV,GLU_349,2.8,0.46,-1.65,-0.52
 1OXZ,GLU_219,4.75,0.31,0,-0.06
 2FZ4,HIS_44,5.94,-0.39,0,-0.18
 1CHD,ARG_348,12.43,-0.07,0,0
 1PBV,GLU_134,4.51,0.22,0,-0.21
 2DG7,ARG_136,12.09,-0.36,0,-0.06
 2D7J,LYS_133,11.45,-0.51,0.85,0.61
 3PAC,CYS_108,10.77,-2.19,0.46,3.5
 2QV2,GLU_16,4.64,0.14,0,0
 3K9I,TYR_59,10.31,0,0.16,0.15
 3EUR,GLU_29,3.63,0.41,-0.85,-0.43
 2FG1,TYR_54,10.2,0,0,0.2
 1U3Y,LYS_315,10.35,-0.17,0,0.02
 2E3S,GLU_407,4.44,0.33,0,-0.38
 1TLV,LYS_141,10.16,-0.34,0,0
 1ANU,ARG_23,13.28,-0.35,0.68,0.45
 1XDZ,ASP_209,2.81,-0.85,-0.42,0.28
 1XEU,CYS_218,10.55,0,-0.11,1.66
 3LQE,CYS_240,12.47,0.25,0.7,2.52
 3C5V,TYR_70,12.75,-0.59,0.86,2.48
 2ZCO,ARG_188,13.82,-0.72,0.74,1.29
 1U7U,ASP_394,3.76,-0.3,-0.36,0.61
 3R87,ASP_66,2.89,-0.81,-0.45,0.35
 3CXS,LYS_15,10.41,-0.21,0,0.12
 2D2S,LYS_703,10.49,-0.17,0,0.16
 2ZCX,ARG_42,12.37,-0.8,0,0.66
 2FPN,ARG_115,12.5,-0.31,0,0.3
 2D7J,TYR_22,10.32,0.23,0.09
 2RIK,LYS_118,10.32,-0.2,0,0.03
 1MTZ,LYS_233,10.25,-0.25,0,0
 3DSH,TYR_303,9.79,-0.05,-0.36,0.21
 2EHG,ARG_137,12.36,-0.12,0,-0.02
 1XFK,GLU_99,4.91,0.17,0,0.24
 1WYC,GLU_372,4.65,0.14,0,0.02
 3CJW,ARG_293,13.09,-0.38,0.58,0.4
 1EV8,GLU_137,3.82,0.7,-0.88,-0.5
 3CAN,ASP_176,3.37,-0.79,-0.03,0.4
 2Q5X,TYR_785,10.93,-0.84,0.02,1.75
 2I2L,ASP_243,3.95,0,0,0.15
 2C13,GLU_249,4.72,0.36,0,-0.14
 3BCY,ASP_45,2.13,-1.97,-0.68,0.97
 2NYC,LYS_246,10.46,-0.04,0,0
 1X8F,TYR_174,10.06,0.03,0.02
 1AM2,ARG_138,12.53,-0.14,0,0.17
 3M66,TYR_149,10.13,0,0,0.13
 2PWQ,ARG_6,13.17,-1.05,0.7,1.02
 2EJX,LYS_102,10.45,-0.05,0,0
 3Q6L,ASP_48,3.93,0,0,0.13
 3ASA,TYR_300,9.67,-0.77,-0.27,0.7
 2ZCO,LYS_272,12.31,-0.96,1.7,1.06
 3HVM,HIS_302,5.85,-0.68,0.24,-0.22
 3SOA,GLU_94,4.62,0.13,0,-0.02
 3C2E,TYR_34,10.04,0,0,0.04
 3JZN,GLU_125,4.15,0.72,-0.77,-0.29
 2X14,GLU_272,4.21,0.59,-0.59,-0.29
 2CWC,TYR_91,10.11,0.03,0,0.09
 2HNG,GLU_113,4.87,0.31,0,0.06
 1JT9,TYR_254,10.28,0.07,0.21
 2FC3,GLU_28,3.34,0.43,-0.85,-0.74
 2JEO,TYR_84,11.3,0.06,1.24
 1S1Y,ARG_137,13.87,-0.47,1.42,0.42
 2QV2,ARG_311,12.07,-1.68,0.58,0.67
 3GYW,ASP_192,3.96,-0.01,0,0.17
 1XTD,ASP_82,4.53,0,-0.09,0.81
 3R1X,LYS_71,10.59,-0.11,0,0.2
 1UXQ,TYR_11,10.11,0,-0.2,0.32
 2OJQ,GLU_623,4.32,0.29,0,-0.47
 1NIJ,GLU_37,6.48,2.22,-0.53,0.28
 3V7S,ARG_9,11.78,-1.98,0.63,0.63
 3V55,GLU_700,4.43,0.17,0,-0.23
 1DZF,HIS_99,5.85,-0.81,0,0.16
 1P2F,TYR_59,11.39,0.18,1.22
 3L7N,GLU_234,4.8,0.14,0,0.15
 2FZ4,TYR_28,10.38,0,-5.55E-17,0.39
 1SFE,ASP_64,3.13,-0.85,-0.31,0.49
 3H13,TYR_244,12.55,0.01,0.27,2.27
 1PSW,ARG_109,13.43,-0.25,0.8,0.38
 3O16,CYS_82,12.4,-0.01,0.16,3.25
 1E59,GLU_85,5.32,0.78,0,0.04
 3KV0,GLU_95,3.49,1.81,-2.54,-0.28
 3CSR,LYS_15,10.4,-0.2,0,0.1
 2BDV,ASP_109,3.75,-0.43,-0.03,0.42
 2H2W,TYR_246,10.6,0.04,0.56
 2OJQ,LYS_438,10.6,-0.12,0,0.22
 3LD1,ARG_303,13.71,-0.8,1.59,0.43
 3EVN,HIS_80,4.61,-3.22,1.24,0.09
 2V81,ASP_74,2.9,-1.03,-0.35,0.49
 3U2R,ARG_82,12.1,-0.34,0,-0.05
 1NAR,ASP_183,3.74,0,-0.29,0.23
 2QDJ,GLU_166,4.23,1.19,-0.85,-0.61
 1AT0,TYR_295,10.58,0,-0.19,0.76
 3COU,ASP_177,3.79,0,-0.24,0.22
 1E5S,LYS_182,10.32,-0.18,0,0
 3GA2,GLU_14,4.68,0.18,0,0
 1IAP,GLU_213,4.96,0.22,0,0.24
 3G9T,GLU_261,3.42,1.64,-1.41,-1.32
 1IDK,LYS_12,10.39,-0.14,0,0.03
 3TMO,ASP_238,2.7,-0.63,-0.74,0.27
 2Q13,HIS_175,5.78,-0.64,0,-0.07
 2QZQ,GLU_96,3.22,0.47,-1.6,-0.16
 1ILW,ARG_122,13.89,-0.37,0.71,1.06
 1ZBM,CYS_156,11,-0.42,0.6,1.82
 3OKQ,CYS_67,9.17,-0.05,0.22
 1C44,GLU_22,4.7,0.29,-0.12,0.02
 3I4T,CYS_40,10.79,0.49,1.31
 2FPN,GLU_164,4.66,0.23,0,-0.08
 2V81,TYR_56,10.8,0,0.12,0.68
 2IQT,CYS_127,11.18,-0.03,0.13,2.08
 1MD6,ASP_154,3.8,0,-0.12,0.13
 1R29,ARG_13,12.4,-0.1,0,0
 1Z3X,LYS_46,11.41,-0.28,0.59,0.61
 3FRR,LYS_27,10.64,-0.1,0.0,24
 3CXS,HIS_77,6.28,-0.21,0,-0.01
 3E7P,GLU_228,4.48,0.28,0,-0.3
 2QZQ,GLU_28,3.24,0.37,-0.85,-0.78
 1QQH,HIS_70,6.24,-0.21,0,-0.04
 3T57,GLU_290,4.63,0.23,-0.09,-0.02
 1SUU,CYS_691,8.89,-0.04,-0.38,0.31
 3T8R,TYR_126,10.31,0.022,0.1
 1UJ8,ASP_52,4.15,0.01,0.34
 2Q99,ARG_204,12.13,-0.49,0.12
 2YX0,LYS_263,11.09,-0.61,0.85,0.35
 1RKA,GLU_268,4.65,0.24,0,-0.08
 3C5V,LYS_133,10.38,-0.31,0,0.19
 1X7F,LYS_318,10.13,-0.52,0,0.15
 2WB8,GLU_613,5.1,0.84,0,-0.24
 2ZCO,TYR_215,13.08,-0.8,0.71,3.17
 3DB9,LYS_165,10.41,-0.09,0,0
 2GAU,CYS_38,10.21,-0.48,0,1.7
 3ERF,ASP_97,2.66,-1.45,-0.25,0.55
 3P2F,HIS_6,5.36,-1.0,-0.13
 1AM2,ASP_171,3.7,-0.48,0.38
 2AXO,LYS_220,10.81,-0.17,0,0.48
 1UCH,ARG_186,13.76,-1.23,1.13,1.37
 1Z9L,ARG_50,12.41,-0.08,0,-0.01
 3OIP,LYS_135,10.36,-0.14,0,0
 2NMU,ASP_51,2.91,-1.27,0,0.38
 2G5X,LYS_215,10.48,-0.05,0,0.02
 2Q13,CYS_328,10.55,-0.51,0.16,1.9
 1O0X,TYR_70,10.74,0.18,0.55
 2JKF,ASP_8,3.24,-0.86,-0.45,0.74
 1YTD,ASP_190,4.76,-0.85,-0.01,1.81
 3EJC,LYS_5,10.65,-0.1,0.0,23
 3EVP,GLU_282,4.71,0.17,0,0.03
 3EVN,ARG_295,12.41,-0.21,0,0.12
 1MTZ,ARG_202,12.06,-1.18,0,0.75

1U3Y,CYS_270,11.12,-0.05,0.09,2.08
2QVT,ASP_134,3.01,-0.72,-0.41,0.34
3UC9,ASP_126,4.18,0,0.21,0.17
3T5B,ARG_370,12.66,-0.13,0,0.28
3JZ9,GLU_381,4.1,0.26,-0.27,-0.39
1ZBM,ASP_78,3.72,-0.69,0,0.61
3BA1,LYS_141,10.42,-0.11,0,0.03
3BB7,ASP_97,3.79,-0.73,-0.06,0.78
3HUE,LYS_188,9.92,-0.65,0,0.07
2E3S,ARG_442,12.37,-2.41,0.38,1.9
1P4X,GLU_229,5.41,0.82,0,0.1
1YR6,ASP_26,3.86,0,-0.2,0.25
1SQH,LYS_28,10.17,-0.33,0,0
3HNX,ASP_27,3.94,0,0,0.14
3P28,HIS_29,6.66,-0.58,0.73,0.01
3M3P,ARG_235,12.96,-1.12,0.89,0.68
1JKS,ASP_250,1.77,-1.9,-0.81,0.67
2I88,ASP_347,3.8,-0.03,-0.17,0.19
3VJ8,ARG_77,12.83,-1.24,0.51,1.06
2R0S,TYR_93,10.67,0,-0.26,0.93
2DFL,LYS_143,11.34,-0.72,0.85,0.71
2AXO,LYS_142,10.44,-0.14,0,0.08
1LFP,ARG_136,12.29,-0.43,0,0.22
1DTO,TYR_131,13.89,0.85,0.65,2.39
3U2R,LYS_111,11.47,-0.26,0.85,0.38
3GA2,TYR_120,11.71,0,0.52,1.19
3JRT,ASP_30,3.89,-0.01,-0.23,0.34
4DNU,HIS_287,3.01,-3.06,0.09,-0.52
3V5S,TYR_690,11.61,0.06,0.97,0.57
3EJG,GLU_145,4.78,0.43,0,-0.15
3V1Q,LYS_628,10.2,-0.17,0,-0.14
2O4D,ARG_86,12.12,-0.49,0,0.11
2VAN,ARG_254,12.47,-1.97,0.59,1.34
1PSW,ASP_82,2.65,-0.85,-0.6,0.31
2AH5,ASP_189,3.93,0,-0.15,0.28
1QYI,LYS_348,10.44,-0.17,0,0.1
3FRR,LYS_130,10.44,-0.09,0,0.03
3D9H,HIS_91,5.85,-0.43,0,-0.22
3LMO,LYS_68,10.5,-0.09,0,0.09
2FZ4,ARG_192,12.17,-0.73,0,0.41
4HDE,GLU_152,4.54,0.04,0,0
2BT8,HIS_287,6.01,-0.44,0,-0.05
3H6Q,HIS_121,5.01,-2.0,0.82,-0.31
3M7D,GLU_171,5.22,1.32,-0.41,-0.2
1SQH,TYR_69,11.27,0,0.06,1.22
2Q98,ASP_160,3.57,-0.47,-0.01,0.24
3V7S,GLU_56,4.37,0.15,0,-0.28
3UC9,GLU_46,4.53,0.21,0,-0.18
2FBQ,GLU_210,4.57,0.09,0,-0.02
1G8P,ARG_142,11.96,-0.58,0,0.03
3LQE,ASP_348,2.46,-1.87,0,0.53
1N81,HIS_142,7.13,-0.5,0.74,0.4
3M3P,GLU_194,3.18,1.22,-2.54,0
1T9S,TYR_216,10.11,0,-0.08,0.19
1LTU,LYS_248,10.63,-0.08,0,0.21
3F5D,ASP_170,3.3,-0.84,-0.16,0.5
3CAN,HIS_138,6.24,-0.3,0,0.04
2HRZ,ASP_31,3.23,-0.66,-0.55,0.63
3LJI,ASP_91,4.18,0,0.11,0.27
1ZP2,LYS_67,10.59,-0.56,0.29,0.36
3HVM,LYS_162,10.36,-0.16,0,0.02
2IDC,LYS_35,10.59,-0.13,0,0.22
1NFN,GLU_132,3.75,0.31,-0.88,-0.18
2H2W,ARG_132,12.96,-0.35,0.16,0.65
2IQT,HIS_169,7.15,-0.54,0.85,0.35
3RJZ,ARG_159,13.07,-0.6,0.59,0.59
1CHD,LYS_212,12.01,-1.28,1.64,1.16
3IVF,GLU_317,3.24,1.96,-2.19,-1.02
1A8Q,ASP_70,3.17,-0.68,-0.66,0.71
3M7G,ARG_102,11.95,-2.92,0.3,2.08
3DSH,TYR_246,13.44,0,0.15,3.29
1H09,LYS_121,10.56,-0.38,0,0.44
1AK1,LYS_152,11.36,-0.59,0.85,0.6
2QRX,GLU_151,4.43,1.75,-0.99,-0.83
2RGY,ARG_284,13.06,-0.44,0.21,0.78
2H01,LYS_28,10.41,-0.13,0,0.04
1J74,ARG_101,12.69,-0.2,0.01,0.38
2BLL,GLU_434,4.43,2.84,-1.05,-1.84
1PVT,LYS_180,10.96,-0.78,0.82,0.43
2R0S,LYS_219,10.93,-0.23,0.63,0.02
2Q98,ARG_103,12.37,-0.28,0,0.14
1R3D,HIS_243,0.83,-3.44,0,-2.23
2WOZ,LYS_583,10.49,-0.06,0,0.05
2WZ9,HIS_104,6.37,-0.27,0,0.14
3CAX,GLU_304,3.35,0.82,-1.31,-0.67
3JV1,GLU_61,4.78,0.23,0,0.04
1WYC,ASP_250,3.05,-0.71,-0.69,0.64
1OGL,ARG_34,12.43,-0.36,0,0.28
3PP8,GLU_2,3.97,0.57,-0.59,-0.5
1V43,ARG_266,12.81,-0.45,0.17,0.58
3EAZ,HIS_128,5.05,-1.24,0,-0.21
3DSH,GLU_400,3.98,0.25,-0.66,-0.11
2WB3,ASP_346,3.5,-0.6,-0.05,0.36
3A0X,GLU_608,4.52,0.21,0,-0.18
1TWU,LYS_99,11.34,-0.32,0.77,0.4
3T5B,ARG_195,13.06,-0.4,0.48,0.48
2CVB,GLU_184,4.6,0.13,0,-0.02
3B7X,ASP_31,2.7,-1.75,-0.03,0.68
3F7M,ARG_268,12.56,-0.08,0,0.14
2C13,GLU_191,4.48,0.11,0,-0.12
1P1L,HIS_74,5.93,-1.71,0.7,0.44
3K8J,CYS_178,12.48,0,0.48,3.01
3C6B,LYS_16,11.43,-0.43,0.8,0.55
3I0C,ARG_249,13.8,-0.44,1.16,0.58
1WXQ,HIS_125,6.31,-0.8,0.06,0.55
1ZBM,TYR_80,10.82,-0.18,0.16,0.85
1Z9L,LYS_118,10.47,-0.16,0,0.13
2WZ9,LYS_58,11.77,-0.38,1.03,0.61
1QQH,CYS_176,10.15,-0.11,0.28,0.99
1P6F,ARG_124,12.39,-0.19,0,0.08
2HRZ,ASP_115,2.79,-1.61,-0.68,1.29
2ZQS,GLU_379,4.01,0.11,0,0
1R5S,GLU_74,3.76,1.16,-1.22,-0.88
1SNT,ASP_201,1.45,-2.88,-0.33,0.86
1LPL,ARG_199,13.67,-0.38,0.83,0.72
4D8L,ARG_187,14,-0.24,1.24,0.5
3BQW,ASP_228,3.73,-0.38,0,0.3
3Q6L,ASP_112,3.67,0,-0.29,0.16
2IXM,GLU_134,3.82,2.15,-2.62,-0.21
3B7X,TYR_22,12.23,0,0.22,2.01
1J7G,GLU_40,4.61,0.13,0,-0.03
1RHS,HIS_94,3.63,-2.3,0,-0.57
2JKF,HIS_174,7.22,-0.13,0.85,0
1Q46,HIS_108,4.58,-1.62,0,-0.32
3UAH,TYR_426,13.09,-0.82,0.14,3.78
1XDZ,LYS_135,10.45,-0.05,0,0
3K1H,ASP_95,3.59,-0.8,-0.09,0.68
1WXF,ARG_142,11.41,-1.15,0,0.06
2NSN,LYS_78,11.12,-0.66,0.85,0.43
3UAH,TYR_259,9.95,0,-0.3,0.25
1N81,LYS_180,10.62,-0.11,0,0.23
3P28,ARG_48,9.82,-3.07,0,0.39
1BK8,HIS_43,6.34,-0.16,0,0
3M70,LYS_16,10.73,-0.19,0,0.43
3ZTA,GLU_77,3.91,0.33,-0.62,-0.31
4FH3,TYR_281,10.23,-0.17,-0.21,0.62
3EVZ,GLU_208,4.31,0.12,-0.19,-0.11
3EZ7,GLU_66,4.58,0.08,0,0
1SQH,ARG_65,11.4,-1.29,0,0.19
3E7P,LYS_92,10.27,-0.13,0,-0.11
4FCU,GLU_136,4.57,0.31,0,-0.23
2Z84,TYR_170,9.99,-0.67,0.24,0.42
1LZF,ASP_10,3.92,0,-0.27,0.39
4GA2,TYR_37,10.53,0,0.15,0.39
1MJS,ASP_309,3.66,-0.26,-0.12,0.24
1PV5,GLU_133,4.65,0.11,0,0.04
4DEZ,ASP_96,3.98,0,-0.04,0.22
2BCF,HIS_65,5.4,-1.08,0,-0.01
1K9S,GLU_72,4.61,0.45,-0.49,0.14
3B7X,ARG_44,13.12,-0.36,0.62,0.36
3NZL,LYS_31,10.58,-0.1,0,0.18
3A4C,GLU_555,3.02,0.6,-1.62,-0.45
1J8S,LYS_151,10.37,-0.13,0,0
3CZC,GLU_23,3.45,0.36,-1.04,-0.37
3DB9,LYS_63,10.21,-0.21,0,-0.08
2HXB,GLU_77,4.55,0.09,0,-0.05
3ASA,ARG_220,4.56,2.18,-1.46,-0.64
3G59,TYR_291,10.34,0,0,0.34
3BCY,GLU_67,4.59,0.09,0,0
3VJ8,ASP_327,4.1,0,0,0.3
2A1V,GLU_102,4.2,0.3,-0.39,-0.21
1NAR,TYR_184,9.84,0,-0.41,0.24
1UAJ,CYS_178,9.47,-0.26,-0.14,0.87
3G59,ASP_56,3.24,-0.72,-0.47,0.64
1WPA,ASP_461,3.77,-0.34,-0.13,0.45
2W1R,HIS_162,6.29,-0.62,0,0.42
2ZCO,ASP_195,3.24,-0.92,0,0.37
1SI7,ASP_150,3.28,-0.7,-0.36,0.55
2EFK,ARG_157,12.31,-0.19,0,0.01
2QVQ,LYS_76,10.11,-0.31,0,-0.08
3OIP,LYS_202,9.77,-0.85,0,0.12
2EJX,LYS_39,10.73,-0.31,0.13,0.4
4FZR,GLU_156,3.36,1.01,-1.4,-0.75
1XAW,ASP_492,3.8,0,-0.22,0.22
4ECC,ASP_179,4.35,-0.03,-0.02,0.59
2EOT,GLU_210,4.53,0.03,0,0
2NRK,GLU_163,3.77,0.42,-0.83,-0.32
1YTQ,TYR_170,10.31,-0.84,0.24,0.92
3HKX,ASP_34,3.41,-0.52,-0.33,0.45
1Y2Q,LYS_124,10.67,-0.13,0,0.3
2POY,ASP_190,4.51,-0.18,-0.19,1.08
3AZZ,CYS_173,9.4,0.02,0.38
2IXM,ARG_86,13.05,-0.31,0.5,0.37
3JZN,CYS_311,12.24,-0.7,-0.19,4.13
3F6F,LYS_129,10.61,-0.1,0,0.2
3CRM,HIS_246,6.12,-0.34,0,-0.04
3HST,HIS_189,6.13,-1.11,0.48,0.27
3LMF,GLU_96,3.97,0.26,-0.37,-0.44
3DB9,ARG_48,12.42,-0.19,0,0.11
1R3F,TYR_251,11.09,0.46,0.63
3IVF,GLU_276,4.08,1.26,-1.64,-0.03
3LD1,ARG_223,12.1,-0.75,0,0.36
3KV0,CYS_162,11.46,0.01,2.46
1PVT,TYR_47,13.57,-0.15,0.42,3.29
3LJN,GLU_258,4.15,0.27,-0.29,-0.33
1W24,LYS_73,9.86,-0.75,0,0.1
3KT9,ARG_29,11.95,-0.44,0,-0.12
2QDJ,LYS_63,10.29,-0.25,0,0.04
2V4U,GLU_349,4.71,0.19,0,0.02
3BA1,HIS_235,4.9,-2.32,0.79,-0.07
1O59,GLU_315,4.21,0.26,-0.16,-0.39
3F6F,TYR_4,11.74,0.4,0.5,0.84
2RGY,ARG_206,12.21,-0.29,0,0
1V43,GLU_369,4.97,0.5,0,-0.04
1HGH,GLU_23,4.51,0.4,-0.4,0.02
2HXB,LYS_85,12.11,-0.33,1.15,0.79
2HRZ,GLU_304,4.58,0.35,-0.14,-0.13
1SQH,ARG_180,12.32,-0.34,0,0.16
2Q34,TYR_73,10.25,0,-0.2,0.46
3G59,GLU_39,4.27,0.58,-0.52,-0.29
1W7B,ARG_78,12.58,-0.14,0,0.21
3JRT,TYR_64,12.35,-0.83,-0.02,3.19
2OKT,ASP_258,3.27,-0.82,-0.1,0.38
2GZQ,TYR_32,10.79,0.02,0.33,0.45
1XTZ,LYS_35,10.53,-0.15,0,0.18
3CCY,TYR_168,9.66,-0.66,-0.02,0.34
2XHC,TYR_224,11.98,0.61,0.07,1.29
3F1X,HIS_207,6.6,-0.5,0,0.6
1G5Z,HIS_141,6.54,-0.22,0.23,0.03
2AZP,HIS_110,6.21,-0.98,0.69,0
3BQW,GLU_278,5.11,0.62,0,-0.01
2IRM,CYS_250,10.95,0,0.03,1.92
3CNU,LYS_35,10.58,-0.35,0.05,0.37
3DSH,HIS_260,6.21,-0.3,0,0.01
2ZCO,LYS_97,10.24,-0.52,0,0.26
2DFL,ASP_46,3.99,-0.12,0,0.31
1Q8B,GLU_30,4.78,0.23,0,0.05
3L7N,ASP_132,3.24,-0.57,-0.37,0.38
1ZBM,GLU_30,4.31,0.21,0,-0.4
1LZL,ARG_107,12.4,-0.43,0,0.33
1SQW,TYR_19,12.48,-0.09,0.2,5.8
2GRZ,TYR_83,11.08,0,0.1,0.8
3CS1,LYS_174,10.48,-0.15,0,0.13
3QAV,GLU_80,4.67,0.19,0,-0.02
1VJG,GLU_92,4.24,0.34,-0.08,-0.51
3QKY,ARG_65,11.78,-1.33,0.35,0.26
4H86,ASP_25,4.02,0,-0.02,0.24
4DBX,LYS_49,11.13,-0.8,0.69,0.74
3GG6,GLU_101,4.66,0.31,-0.04,-0.11
2FL4,TYR_108,11.54,0.33,0.23,0.97
3E5T,ASP_98,4.05,-0.93,0.11,1.08
1QQE,ASP_252,2.98,-1.22,-0.05,0.46
1H4U,TYR_577,12.31,-0.16,-0.74,3.21
2HRZ,HIS_241,5.58,-0.92,0,0
1PSW,LYS_223,10.53,-0.18,0,0.2
1XDZ,GLU_34,4.65,0.25,0,-0.1
1PSW,TYR_21,12.46,-0.85,0.05,3.25
3UX2,GLU_76,4.71,0.21,0,0
2G5X,LYS_159,9.83,-0.46,0,-0.22
3F5D,GLU_139,4.61,0.13,0,-0.02
3M7D,GLU_18,3.77,0.48,-0.59,-0.61
3K9I,LYS_163,10.5,0,0,0
1KCM,GLU_124,3.43,0.58,-1.18,-0.47
3Q1C,GLU_132,3.94,0.17,-0.73,0
1UAJ,LYS_32,10.53,-0.62,0.14,0.52
2EFK,ARG_146,12.58,-0.24,0,0.32
3RKV,ASP_206,4.06,0,0.26
3F5D,GLU_173,3.87,0.37,-1.05,0.05
1V43,LYS_30,10.54,-0.11,0,0.16
3EX9,ARG_38,10.64,-1.66,0,-0.2
3BB7,TYR_208,12.26,-0.78,0.3,2.72
1UOH,LYS_69,10.03,-0.49,0,0.02
3FXH,ASP_88,3.62,-0.59,0.06,0.34
2X4G,ASP_324,3.98,-0.13,0.03,0.28
200K,ASP_32,2.94,-0.85,-0.29,0.28
3T8R,GLU_73,4.88,0.25,0,0.12
2P1W,ARG_217,13.82,-0.95,1.06,1.23
2FL4,ASP_11,3.92,0,-0.01,0.13
3IVF,LYS_343,10.54,-0.11,0,0.15
3UX2,LYS_136,11.13,-0.22,0.85,0
4ACJ,ASP_687,3.89,0,-0.09,0.18
3CAX,CYS_399,9.91,-0.04,-0.35,1.3
1R5Q,GLU_55,5.16,0.21,0.09,0.36
3ZD1,ASP_20,3.43,-0.5,-0.13,0.26
3C6B,GLU_132,3.21,1.97,-2.88,-0.36
2X4G,ASP_38,3.67,0,-0.53,0.41

1MML,ARG_205,12.28,-0.56,0,0.34
3G9T,ASP_43,1.99,-1.89,-0.39,0.48
1Q46,ASP_150,3.75,-0.59,0,0.54
3ANJ,LYS_91,10.69,-0.21,0,0.4
3ETU,TYR_274,10.26,0,0.12,0.14
1J74,ARG_81,12.19,-0.61,0,0.3
2P5D,LYS_131,9.86,-0.35,0,-0.29
1NWA,TYR_144,10.53,0,0.12,0.41
1ZBM,HIS_143,6.06,-2.68,0,2.25
2FGG,LYS_9,10.47,-0.08,0,0.05
3U56,ARG_113,12.46,-0.43,0,0.39
3I0C,HIS_140,5.38,-1.13,0,0.03
3OOP,GLU_44,4.29,0.45,-0.35,-0.32
2X4L,ASP_111,3.28,-0.78,-0.12,0.38
1SBX,GLU_106,4.96,0.42,0,0.04
2RGY,ARG_143,12.5,-0.17,0,0.16
1WYC,ARG_205,12.12,-0.38,0,0
2C2Y,ASP_83,3.37,-0.57,-0.38,0.52
1WOU,LYS_35,10.44,-0.22,0,0.16
4F3J,GLU_132,4.62,0.12,0,0
2Q99,LYS_35,10.5,-0.21,0.05,0.17
2B78,HIS_259,6.44,-0.2,0,0.14
1PVT,TYR_51,12.04,0,0.12,1.92
1H4U,HIS_513,6.54,-0.18,0,0.22
3I4T,LYS_202,10.55,-0.08,0,0.13
3IRA,TYR_47,10.12,-0.19,-0.27,0.57
2X4G,ARG_51,11.64,-0.97,0,0.12
1OI7,GLU_7,4.6,0.12,0,-0.03
1O9G,ARG_198,12.51,-0.3,0,0.31
3GYW,TYR_56,10.42,0,0.3,0.11
1FHL,GLU_329,5.14,0.27,0,0.37
2XHC,LYS_159,9.93,-0.45,0,-0.12
3CGW,TYR_251,11.18,-0.12,-0.07,1.38
2BDV,LYS_8,9.66,-1.42,0,0.58
1W24,LYS_181,10.93,-0.41,0.31,0.53
2RIS,ASP_122,3.41,-0.81,-0.11,0.53
3BQE,CYS_207,12.55,-0.95,1.44,3.06
1XTD,LYS_50,10.6,-0.28,0,0.38
1WLY,TYR_104,13.12,-0.03,-0.04,3.19
1U7U,ASP_377,2.83,-0.85,-0.57,0.45
2B61,GLU_54,4.21,0.92,-0.58,-0.64
3M66,LYS_267,10.5,-0.08,0,0.08
2BLL,LYS_381,10.34,-0.15,0,-0.01
3GOZ,TYR_262,10.38,0,0.1,0.28
3CAX,LYS_445,10.64,-0.22,0.37,0
3UX2,ARG_82,12.53,-0.19,0,0.22
3G6S,LYS_193,10.31,-0.19,0,0
3CCY,ASP_174,3.68,-0.26,-0.02,0.16
2E3H,ASP_216,3.13,-0.74,-0.48,0.54
3C6B,LYS_269,11.71,-0.62,0.97,0.86
2FC3,ASP_71,3.93,-0.91,-0.44,1.49
1R3F,ASP_113,3.6,-0.21,-0.22,0.23
1ZBM,ARG_43,12.88,-0.35,0,0.73
3ASA,ASP_306,3.66,-0.41,-0.91,1.19
1YG2,TYR_41,9.99,-0.46,0.02,0.43
3ASA,TYR_256,12.35,0,0.37,1.97
2P65,ARG_102,12.67,-0.3,0,0.47
2G5X,CYS_115,11.65,0,0.21,2.43
1ZBS,GLU_272,4.59,0.25,0,-0.17
2ZQ5,ASP_319,3.23,-0.64,-0.37,0.44
1LTU,ASP_11,2.66,-1.54,-0.04,0.43
1WLY,ARG_321,12.12,-1.26,0.53,0.35
2P0L,ASP_7,2.93,-0.85,-0.38,0.36
3F7M,LYS_161,10.26,-0.26,0,0.03
2W0G,CYS_203,10.07,0.2,0.46,0.4
3RVC,GLU_153,4.58,0.11,0,-0.03
1Q46,LYS_127,10.82,-0.23,0.19,0.36
2XMZ,ASP_80,3.88,0,-0.16,0.24
2EJB,GLU_180,4.55,0.11,0,-0.05
2C2Y,GLU_279,3.35,0.99,-1.57,-0.57
1R53,ARG_127,12.41,-0.12,0,0.03
2P5D,GLU_48,4.02,2.19,-1.68,-1
1XTD,ASP_104,3.65,-0.5,-0.01,0.37
3H04,ARG_242,13.16,-0.46,0.7,0.42
1MD6,ARG_101,11.95,-0.94,0,0.39
3JZ9,ASP_459,4.25,0.0,0.27,0.18
3V75,GLU_145,4.78,0.22,0,0.06
3EGN,LYS_434,10.59,-0.17,0,0.26
2RIS,ASP_179,3.3,-0.42,-0.4,0.32
1AKO,HIS_201,6.29,-0.23,0,0.02
3DSH,ASP_298,2.87,-0.77,-0.38,0.22
1X8F,LYS_156,10.74,-0.11,0,0.34
2RIS,HIS_188,5.68,-0.88,0.33,-0.26
3ASA,ARG_376,12.2,-0.78,0,0.48
1L3K,HIS_33,4.78,-1.45,0.01,-0.28
2C13,GLU_117,3.51,0.49,-0.77,-0.7
3UPD,TYR_193,10.12,-0.1,0.18,0.4
2P0Y,ASP_80,4.14,0,0.11,0.22
2RFA,LYS_66,10.36,-0.14,0,0
1HF8,GLU_213,4.88,1.44,-0.79,-0.27
2AZL,TYR_200,10.6,0,-0.43,1.03
3T8R,TYR_65,10.48,-0.43,-0.03,0.93
1DTO,LYS_180,10.37,-0.14,0,0.01
2GZR,ARG_217,12.65,-0.19,0.01,0.33
3M16,HIS_299,6.34,-0.27,0,0.12
3LD1,ASP_305,1.85,-2.14,-0.52,0.71
3BPP,GLU_153,5.26,0.76,0,0
3CAX,TYR_406,9.97,0,-0.17,0.14
1J74,GLU_21,3.69,0.53,-0.84,-0.5
4HDE,ASP_93,3.67,0,-0.36,0.23
1LTU,ASP_73,4.38,-0.32,-0.28,1.17
2I88,LYS_346,10.3,-0.2,0,0
4FCU,GLU_61,3.8,0.3,-0.71,-0.3
3CCY,ASP_53,3.91,0,-0.06,0.17
4AF2,ARG_110,12.96,-0.4,0.54,0.32
3U4K,ASP_68,2.27,-2.08,0.055
1UXO,ARG_79,12.36,-1.31,0.68,0.49
1SNT,TYR_354,13.54,0,1.08,2.47
2JHY,LYS_178,10.63,-0.27,0,0.39
4GCO,CYS_254,10.18,0,-0.04,1.22
2H2W,ARG_252,12.42,-0.17,0,0.09
2B78,GLU_134,5.66,1.11,0,0.04
1DTO,LYS_34,10.56,-0.27,0,0.34
2BLL,ARG_591,12.95,-0.84,0.88,0.41
2B0J,LYS_99,11.02,-0.33,0.36,0.5
2QV2,ARG_251,12.27,-0.34,0,0.11
3JSN,LYS_44,10.65,-0.11,0,0.26
3CS1,ARG_99,12.73,-0.78,0.54,0.47
4DVD,ASP_87,2.96,-0.81,-0.36,0.33
3UC9,TYR_50,11.25,-0.99,0.34,1.9
3TOW,LYS_149,10.21,-0.34,0,0.05
2AXO,TYR_102,10.4,0,-2.78E-17,0.41
3N2T,ARG_104,13.53,-0.35,0.89,0.48
4ANN,ARG_109,12.56,-0.36,0,0.41
2D0A,ASP_77,3.15,-0.66,-0.3,0.32
3JZ9,LYS_377,11.27,-0.33,0.7,0.41
2P52,GLU_255,4.23,2.56,-1.99,-0.83
1MIX,GLU_276,4.49,1.13,-1.09,-0.05
2W0G,LYS_273,10.42,-0.07,0,-0.02
3HVM,CYS_220,11.49,0.38,0.58,1.53
2YYO,HIS_81,3.57,-3.35,0,0.42
3O48,LYS_123,10.67,-0.22,0,0.39
1OIS,ARG_308,12.59,-1.03,0.61,0.52
3RLN,GLU_622,4.43,0.12,0,-0.18
1N81,TYR_197,10.61,0,0.04,0.57
4FD6,HIS_49,6.47,-1.31,0.85,0.43
3F7M,ASP_216,3.58,-0.76,-0.43,0.97
2W0G,GLU_250,4.82,0.12,0,0.2
2FM9,LYS_217,10.42,-0.16,0,0.08
1X8F,LYS_265,11.02,-0.37,0.74,0.15
3Q1C,GLU_116,4.8,0.29,0,0.01
2P1W,HIS_51,6.41,-0.23,0,0.14
1H4U,GLU_471,4.58,1.95,-1.56,-0.33
3HST,LYS_338,10.39,-0.12,0,0
4EVF,LYS_263,9.75,-0.59,0,-0.16
4DNU,TYR_298,10.44,0,-0.19,0.62
1SJY,TYR_131,10.12,0,-0.22,0.34
1GXN,GLU_535,6.87,3.5,-1.34,0.21
1NKD,TYR_51,9.2,-0.7,-0.55,0.45
1PZC,GLU_54,4.26,0.14,0,-0.38
4ETX,ASP_320,3.88,-0.23,-0.12,0.42
2Q12,HIS_140,5.73,-0.67,0,-0.1
2XHC,LYS_306,10.62,-0.17,0,0.29
1WRU,TYR_305,10.19,0,0,0.19
3GW3,GLU_67,2.86,0.97,-2.16,-0.45
4ESS,ASP_50,2.29,-1.57,-0.41,0.47
3B79,ASP_33,3.78,0,-0.12,0.1
2Q07,LYS_334,11.56,-0.4,0.85,0.6
4ETX,ARG_415,12.61,-0.24,0.01,0.34
2PGE,GLU_171,5.36,0.36,0.12,0.38
1DZF,GLU_66,4.57,0.07,0,0
3ULX,ARG_40,12.19,-0.32,0,0.01
1IAP,LYS_190,4.83,2.75,-1.58,-0.85
2VQ2,GLU_147,4.63,0.13,0,0
2OSA,ARG_442,12.24,-0.33,0,0.07
3MEW,ARG_246,13.75,-0.3,0.65,0.9
2PGE,ARG_230,12.53,-0.18,0,0.2
3PM2,GLU_125,4.58,0.09,0,-0.01
1TP6,ARG_7,12.39,-0.12,0,0.02
2IRM,GLU_259,5.5,1.1,0,-0.1
2GQV,ASP_28,3.21,-0.83,-0.22,0.46
3E27,GLU_142,4.95,1.35,-0.48,-0.42
3G9T,GLU_289,4.66,0.3,0,-0.14
2G7O,GLU_107,3.32,0.38,-1.18,-0.38
1DCF,LYS_98,10.54,-0.06,0,0.1
3E27,LYS_324,10.43,-0.07,0,0
2IF4,GLU_248,4.22,0.37,-0.25,-0.4
2YLF,HIS_216,7,-0.77,0.85,0.43
1R3F,GLU_98,4.51,0.2,-0.2,0
2FPN,ARG_195,12.31,-0.27,0,0.08
1H8O,CYS_116,12.44,0.0,0.22,3.22
1A8Q,HIS_107,6.32,-1.23,0.85,0.21
2J8A,HIS_321,5.97,-0.46,0,-0.08
3OAT,ASP_558,3.03,-0.95,0,0.18
1XKR,CYS_118,12.36,-0.04,0.3,4
2IDC,LYS_143,10.25,-0.21,0,-0.03
1X6J,ASP_50,4,0.0,0.02,0.18
1ZP2,LYS_30,10.51,-0.1,0,0.11
1SUU,ASP_608,3.34,-0.68,-0.12,0.34
3D9H,HIS_46,7.07,-0.37,0.59,0.36
2H2Z,CYS_85,11.6,0.27,0.13,2.19
4DEZ,CYS_70,10.04,-0.04,0.11,0.97
1OLR,ASP_118,2.95,-1.64,-0.31,1.11
1P1L,LYS_37,10.35,-0.15,0,0
2GZQ,LYS_180,11.34,-0.32,0.78,0.38
3CE7,ASP_81,4.37,0,0.26,0.3
4ANN,ASP_202,4.12,0,-0.09,0.42
3CX2,LYS_185,10.44,-0.06,0,0
1U7U,ARG_199,12.32,-0.45,0,0.28
3U2R,ASP_84,4.07,0,-0.19,0.46
3H13,ARG_456,13.72,-0.19,1.03,0.38
4E8B,ASP_164,2.58,-0.9,-1.47,1.15
2QV2,ASP_311,3.33,-0.52,-0.31,0.36
2QV2,ASP_48,3.12,-0.65,-0.37,0.34
1YOK,ASP_74,3.09,-1.73,-0.43,1.44
2IF4,GLU_193,4.65,0.34,-0.19,0
1A8Q,TYR_13,11.43,0,0.54,0.9
2CVB,ARG_134,12.24,-0.88,0,0.63
2Z0M,LYS_221,10.68,-0.13,0,0.3
2ZQ5,ASP_149,4.35,-0.15,0.03,0.68
2X4L,GLU_343,3.31,0.92,-1.65,-0.45
3CN5,TYR_262,9.94,0,-0.21,0.14
3KT9,HIS_14,6.27,-0.12,0,-0.1
1ZCU,GLU_143,4.6,0.1,0,0
4FZN,LYS_193,10.17,-0.6,0,0.27
1X8F,HIS_241,6.68,-1.04,0.69,0.53
3JRT,ASP_145,2.89,-0.85,-0.41,0.35
2CWC,ARG_278,12.08,-0.26,0,-0.16
3C6B,LYS_181,10.3,-1.0,0.44,0.35
3V3T,GLU_297,4.83,0.14,0,0.19
3BZT,LYS_331,4.52,0.17,-0.09,-0.06
2AHE,LYS_254,10.53,-0.11,0,0.14
3GEC,ARG_422,12.35,-0.79,0,0.64
3H5T,GLU_264,4.7,0.36,0,-0.16
2BLL,CYS_439,10.29,-0.8,0.45,1.64
2X4G,ARG_75,12.22,-0.35,0,0.07
2GZQ,GLU_156,2.89,0.83,-1.93,-0.51
2DVK,HIS_65,5.76,-0.71,0.56,-0.6
2RH3,TYR_106,10.08,0,-0.12,0.19
2HXB,TYR_114,12.71,-0.85,0.09,3.48
3RUX,HIS_109,7.08,-0.55,0.85,0.28
2GZQ,LYS_100,10.55,-0.6,0,0.67
1MML,LYS_62,10.44,-0.07,0,0.01
2Q13,TYR_283,9.21,-0.74,-0.42,0.37
1MN3,LYS_435,10.31,-0.19,0,0
2V81,TYR_100,11.44,0.79,0.25,0.39
2XMZ,ARG_200,12.69,-0.19,0,0.37
2CLR,GLU_34,4.39,0.27,0,-0.38
2IRM,ASP_16,3.81,0,-0.37,0.37
1LZL,GLU_302,4.87,0.25,0,0.12
2HXB,GLU_102,5.41,3.26,-2.33,-0.01
1U7U,LYS_303,10.46,-0.04,0,0
1P6F,ARG_168,12.56,-0.62,0.21,0.48
3U2A,LYS_18,4.65,0.15,0,0
1R29,ASP_63,3.22,-0.78,-0.18,0.39
3L7N,TYR_218,12.43,-0.02,0.01,2.45
3FHF,TYR_92,10.17,0,-0.27,0.44
1BKR,ASP_84,4.32,0,0.26,0.27
2FL7,HIS_72,5.27,-2.04,0.46,0.36
1U8,GLU_516,4.8,0.09,0,0.21
3L7N,TYR_206,10.43,0,0.07,0.36
1AD6,LYS_429,10,-0.22,0,-0.27
2QDJ,ASP_109,3.7,-0.85,-0.11,0.86
1RZ2,TYR_39,10.57,0,0.11,0.46
4ESS,GLU_59,4.57,0.33,0,-0.25
2DFL,HIS_304,5.62,-0.86,0,-0.02
1RLO,ARG_28,12.06,-0.51,0,0.07
1Q42,HIS_102,7.21,-0.55,0.65,0.61
2FD5,HIS_95,3.95,-2.23,0.75,-1.07
1MN3,ASP_422,3.92,0,0,0.12
3FRR,LYS_151,11.24,-0.62,0.85,0.51
1WXQ,LYS_163,10.79,-0.15,0,0.44
3HNX,GLU_22,3.06,0.43,-1.53,-0.34
4DIU,TYR_84,11.07,-0.23,0.38,0.91
2C13,ASP_205,3.91,0,0,0.11
1GVPL,LYS_3,10.6,-0.15,0,0.25
2AHE,GLU_141,5.05,0.98,-0.59,0.17
1Q42,LYS_14,11.47,-0.3,0.81,0.46
3G9T,HIS_86,6.4,-3.02,0.85,2.07
1SNT,HIS_202,8.01,-0.64,1.61,0.55
2Q07,HIS_348,4.92,-2.43,0.82,0.03
2EHG,GLU_11,5.07,0.59,0,-0.03
1BKBL,GLU_28,4.07,1.4,-1.55,-0.28
2GYZ,ARG_92,12.52,-0.16,0,0.19
2FXT,ARG_255,12.1,-0.5,0,0.11
1MML,HIS_214,5.71,-0.79,0,0

3B7H,GLU_6,3.8,0.34,-1.03,0
3E5T,GLU_97,3.7,0.3,-1.09,0
21F4,TYR_218,10.3,0.09,0.21
3G6S,ARG_156,12.06,-0.46,0,0.02
1Z3X,GLU_184,4.69,0.28,0,-0.09
1TR9,GLU_290,4.73,0.2,0,0.04
1S17,HIS_69,5.9,-0.28,0,-0.31
1160,LYS_119,10.58,-0.22,0,0.29
1OGL,TYR_193,11.71,0.0,0.27,1.44
2R0S,ASP_137,3.92,0,-0.12,0.24
3V1Q,ARG_550,12.19,-0.31,0,0
3Q1C,ARG_98,13.68,-1.03,1.52,0.7
2P5Z,TYR_226,10.38,0.0,0.08,0.3
3KV0,GLU_130,3.89,0.57,-1.14,-0.04
1ZYL,TYR_152,12.77,0,0.1,2.67
3M70,LYS_266,10.27,-0.23,0,0
3P29,TYR_46,12.71,-1.15,0.26,3.59
2ZTY,HIS_161,3.9,-2.48,0,-0.12
3UC9,ASP_174,3.75,-1.42,-0.17,1.54
3QKY,TYR_190,12.77,0.44,0.07,2.26
3P2F,ARG_154,12.51,-0.31,0,0.33
3BA1,ARG_36,13.56,-0.24,0.72,0.58
2OBI,LYS_99,10.34,-0.16,0,0
2YT4,LYS_510,11.11,-0.58,0.85,0.34
2Z14,HIS_71,6.26,-0.81,0.79,-0.22
2YLF,ARG_47,12.4,-0.2,0.0,1
2X4G,ASP_331,3.98,0,-0.18,0.36
3GV0,ARG_209,13.28,-0.44,0.47,0.75
2B0A,LYS_155,10.39,-0.11,0,0
2FXT,ARG_370,12.41,-0.14,0,0.05
1YTD,LYS_280,10.52,-0.18,0,0.2
2R57,GLU_305,3.62,0.31,-0.81,-0.38
2Z14,ASP_106,2.47,-1.51,-0.3,0.48
1QQE,TYR_148,11.93,0.0,0.35,1.57
1JB3,HIS_127,6.63,-0.4,0.03,0.51
4FZR,GLU_209,4.6,0.1,0,0
1R3F,ASP_10,3.48,-0.47,-0.08,0.23
2ZOM,GLU_323,4.11,-1.55,-1.58,-0.34
2CWC,ARG_82,13.4,-0.75,0.78,0.87
2OGQ,CYS_428,10.3,-0.8,0.03,2.05
2B3M,ASP_62,2.4,-1.26,-0.66,0.52
1Z9L,ASP_11,3.9,0,-0.15,0.25
2PGX,ASP_30,4.08,0,0.1,0.17
1R3F,GLU_278,4.6,0.09,0,0.01
1HF8,ARG_92,12,-0.54,0,0.03
1VJG,CYS_35,12.3,0,0,3.3
1T6L,LYS_73,10.17,-0.33,0,0
3FFM,GLU_45,4.09,0.32,-0.35,-0.38
3PBH,TYR_183,13.35,-0.48,0.61,3.22
2OSA,ASP_310,3.95,0,0,0.15
31VF,GLU_335,4.62,0.18,0,-0.06
2Q07,ARG_359,12.75,-0.33,0.14,0.43
2O0K,HIS_12,3.92,-2.53,0,-0.04
3RLN,GLU_643,4.34,1.66,-1.1,-0.73
3EVZ,ASP_206,3.22,-0.28,-0.71,0.41
1Q46,TYR_101,10.33,-0.54,-0.33,1.21
3O7K,ARG_108,12.35,-0.27,0,0.12
2X4J,TYR_95,12.42,0.85,0.13,1.44
1SUU,GLU_546,4.74,0.72,0,-0.47
4D8L,HIS_251,7.49,-3.39,0.85,3.54
2EJB,LYS_40,10.52,-0.2,0,0.22
1X6J,CYS_49,10.33,-0.01,0.14,1.21
31DW,ARG_50,12.56,-0.1,0,0.16
3QAV,LYS_81,10.48,-0.17,0,0.15
1JB3,GLU_23,2.52,0.63,-1.67,-0.94
2R51,GLU_26,4.4,0.28,0,-0.38
2FBQ,TYR_134,11.29,-0.85,0.64,1.5
3ETV,GLU_241,4.61,0.12,0,0
2ZQ5,ARG_109,12.31,-0.47,0,0.28
1ZP2,HIS_136,6.21,-0.25,0,-0.04
1NAR,GLU_66,4.45,0.33,0,-0.39
1U3Y,CYS_310,9.83,0.0,0.31,0.51
4F3J,LYS_142,10.05,-0.46,0,0.02
1R53,GLU_256,3.99,1.73,-1.61,-0.63
1VJG,TYR_76,9.89,-0.1,-0.18,0.17
2VGM,LYS_167,10.59,-0.32,0,0.41
1TR9,TYR_11,10.39,0.0,0.08,0.31
3G9G,LYS_7,10.65,-0.1,0,0.24
2XMX,HIS_31,5.54,-1.18,0.49,-0.27
3EVN,TYR_284,10.11,0,-0.06,0.18
1TD6,GLU_24,3.93,0.44,-0.83,-0.19
3MTT,TYR_577,11.12,0.15,0.33,0.64
2Z14,GLU_23,3.71,0.44,-0.85,-0.38
2B78,ARG_315,12.02,-0.53,0,0.05
3RJK,LYS_190,11.46,-0.31,0.85,0.42
2EYI,ASP_117,3,-0.75,-0.54,0.49
2Q07,ARG_433,12.78,-0.42,0.11,0.58
3EX9,GLU_140,6.92,2.89,0,-0.46
2YYO,GLU_155,5.09,3.48,-2.67,-0.23
1LFL,LYS_14,9.79,-0.56,0,-0.15
3DHN,ASP_196,2.24,-3.31,-0.15,1.91
1RHS,HIS_280,6.56,-0.79,0.82,0.03
2OSA,GLU_374,5.56,0.2,0.3,0.57
3JSN,ASP_3,3.03,-0.98,0,0.2
1DUP,GLU_129,4.55,0.05,0,0
3MIX,ASP_495,3.65,0,-0.5,0.35
1WP5,GLU_5,4.82,0.29,0,0.03
2B78,GLU_169,3.74,0.48,-0.85,-0.4
3RLE,ASP_53,3.89,0,-0.13,0.23
3FHF,GLU_174,3.59,0.29,-0.61,-0.58
3CBN,ASP_73,3.33,-0.23,-0.45,0.21
3RJK,LYS_273,10.39,-0.22,0,0.11
3LD1,ARG_339,13.06,-0.26,0.18,0.63
4FZN,GLU_226,4.08,0.3,-0.41,-0.32
3G9G,LYS_219,10.34,-0.19,0,0.03
2X5Y,CYS_831,10.23,-0.84,0.02,2.06
2OBI,HIS_60,5.17,-1.29,0,-0.04
4DBX,TYR_284,10.23,0,0.06,0.17
3LD1,ARG_359,12.27,-0.27,0,0.03
3PZ9,ASP_379,3.92,0,-0.04,0.16
1X7F,TYR_115,9.97,-0.62,0.25,0.34
3EJC,HIS_124,6.88,-0.39,0.77,0
2Q13,HIS_363,5.89,-1.18,0.39,0.19
1QQL,TYR_94,10.29,-0.02,-0.24,0.55
1WPA,ASP_518,3.4,-0.27,-0.59,0.46
1CHD,ARG_238,12.78,-0.41,0.19,0.49
2GKG,ARG_46,12.29,-0.34,0,0.13
1QYI,HIS_358,6.47,-0.19,0.15,0.01
1F2V,GLU_33,4.46,0.23,0,-0.27
3K1H,GLU_144,4.66,0.15,0,0.01
4EKU,LYS_54,10.37,-0.11,0,-0.01
3IU5,TYR_134,10.27,0,-0.01,0.29
2OKT,HIS_336,6.42,-0.08,0,0
2OSA,HIS_400,4.61,-3.3,0.85,0.57
1T3Y,LYS_7,11.1,-0.23,0.6,0.23
2E3C,GLU_237,4.7,0.35,-0.38,0.24
1CBY,ASP_179,2.63,-1.72,0,0.54
3GYW,HIS_182,6.09,-0.32,0,-0.1
2Q12,GLU_252,4.37,0.18,-0.31,0
3T5B,CYS_307,12.75,0,0,3.75
3L7N,GLU_112,6.2,3.16,-1.45,0
3I47,HIS_237,6.33,-0.15,0,-0.02
1WOU,GLU_5,3.05,0.36,-1.07,-0.74
3M7D,GLU_263,4.49,0.17,-0.06,-0.12
3GS9,ASP_9,2.42,-2.07,0,0.68
1MD6,CYS_121,10.77,-0.45,-0.35,2.56
3H5T,GLU_34,4.23,0.42,-0.68,-0.01
3CAX,TYR_129,11.2,0,0,1.2
1YOY,GLU_134,4.61,2.16,-1.58,-0.47
3CX2,GLU_240,4.02,0.79,-0.81,-0.46
4FCU,ASP_118,3.04,-0.79,-0.38,0.41
3B4D,TYR_217,10.34,0,-0.1,0.44
2CWY,ASP_80,3.09,-1.05,-0.02,0.37
2I6I,LYS_89,10.4,-0.24,0,0.13
1TR9,GLU_326,4.17,0.28,-0.53,-0.08
3LJI,GLU_136,4.63,0.15,0,-0.02
3GW3,GLU_130,4.33,0.29,0,-0.46
2OYZ,GLU_59,3.24,0.56,-1.38,-0.45
1GPP,GLU_425,4.65,0.27,0,-0.12
2BDQ,GLU_76,4.46,0.18,0,-0.22
2QV2,ARG_10,12.22,-0.49,0,0.2
3MIX,HIS_340,7.2,-1.1,1.34,0.35
3Q1C,GLU_312,4.58,0.22,0,-0.13
3KT9,LYS_57,10.78,-0.24,0,0.51
2CN1,TYR_261,12.93,0.0,0.65,2.27
1XKR,ARG_6,12.39,-0.42,0,0.31
1OGL,TYR_198,12.81,0,0,2.81
3EVP,GLU_190,4.62,0.18,0,-0.06
2X5Y,TYR_814,10.4,-0.39,-0.08,0.87
2ZOM,TYR_96,10.08,0,-0.32,0.4
3ONT,ASP_55,1.91,-2.33,-0.16,0.61
2QV2,LYS_93,10.43,-0.27,0,0.2
3M7G,ASP_121,3.37,-0.65,0,0.23
3HUE,ARG_27,12.13,-0.37,0,0
3RJK,GLU_54,7.34,4.65,-1.77,-0.04
4DIU,ASP_172,3.25,-0.52,-0.62,0.6
3HVM,TYR_217,10.85,-0.81,-0.19,1.84
1ZBM,ARG_4,12.88,-0.43,0,0.82
3KBS,ARG_326,13.2,-0.24,0.25,0.69
3A7L,TYR_70,11.03,0,0.74,0.29
2FL7,LYS_122,11.2,-0.41,0.85,0.27
2WOZ,LYS_406,10.94,-0.35,0,0.79
3ERF,ARG_210,12.39,-0.39,0,0.28
2C13,LYS_198,10.41,-0.08,0,-0.01
2IXM,LYS_302,10.65,-0.25,0,0.4
3GFP,HIS_422,5.54,-0.85,0.17,-0.28
2PGE,ARG_151,13.03,-0.38,0.5,0.42
1R7J,LYS_86,10.41,-0.09,0,0
3KB5,GLU_392,4.3,1.35,-0.72,-0.83
3T5B,ARG_140,12.23,-0.51,0,0.24
1PVT,LYS_112,9.72,-0.6,0,-0.19
2F4Q,TYR_307,9.15,-1.31,-0.38,0.85
2I6I,GLU_115,3.53,0.89,-1.57,-0.3
1L3K,ASP_154,4.14,-0.03,-0.16,0.54
1R2Z,TYR_105,12.84,0.0,0.81,2.03
3I4T,CYS_193,12.66,0.0,1.3,5.6
3BEQ,LYS_281,10.14,-0.37,0,0.01
2FL4,ARG_74,12.19,-0.85,0,0.54
3BCY,LYS_50,11.23,-0.68,0.85,0.56
1JB3,CYS_123,10.13,-0.03,0.32,0.84
2YWJ,LYS_63,10.39,-0.17,0,0.06
1QQE,TYR_80,10.65,-0.85,-0.15,1.64
1XEU,LYS_62,11.45,-0.41,0.85,0.51
3M7D,ASP_303,4.02,0,-0.07,0.28
1YR6,HIS_112,6.4,-1.46,0.85,0.51
3BPP,ASP_228,3.15,-1.38,-0.49,1.22
2R57,LYS_265,10.29,-0.32,0,0.11
3A0X,LYS_628,10.38,-0.31,0,0.19
1RWZ,LYS_118,10.31,-0.08,0,-0.11
2GZR,GLU_101,4.72,0.21,0,-8.67E-18
3RJK,GLU_179,4.49,0.3,0,-0.31
1O5J,HIS_0,7.15,-0.42,0.85,0.22
2OPJ,ARG_67,11.92,-0.72,0,0.14
2E3I,ARG_126,13.31,-0.47,0.76,0.53
3HVM,TYR_193,11.92,0.46,0.48,0.98
3K9I,GLU_160,4.67,0.14,0,0.03
3BA1,HIS_211,7.49,-0.64,0.85,0.77
2B6P,TYR_23,12.72,-0.28,-0.43,3.43
3OIF,CYS_177,9.35,0,0.13,0.22
3HVV,ARG_315,12.54,-1.41,0.7,0.75
2V5B,LYS_113,10.38,-1.23,0.83,0.28
3COU,GLU_124,3.94,1.5,-1.57,-0.49
3PP8,ASP_68,3.55,-0.36,-0.5,0.6
1P2F,LYS_148,10.7,-0.12,0,0.33
2EHG,ARG_118,12.8,-0.13,0,0.48
1BYI,TYR_41,12.07,0.05,1.57
1CBY,ASP_39,2.94,-1.4,0,0.55
3EZ7,GLU_293,4.56,0.21,0,-0.14
3CBN,LYS_76,10.58,-0.5,0.23,0.34
3GS3,ARG_216,12.32,-0.41,0,0.24
1R3D,GLU_72,5.18,1.14,-0.1,-0.36
3B7X,ARG_28,12.46,-0.04,0,0
2FPN,GLU_9,4.57,0.3,0,-0.23
2EFK,ARG_121,13.3,-0.45,0.66,0.59
1TLV,ARG_214,12.44,-0.97,0.48,0.43
2QVO,HIS_44,6.28,-0.22,0,0
3BCH,ARG_41,12.54,-0.39,0.02,0.41
1ES9,ARG_127,13.77,-0.51,1.36,0.42
1FO9,TYR_350,12.14,-0.69,0.11,2.72
3RLN,TYR_635,10.79,-0.4,0.07,1.11
2O0K,LYS_40,10.23,-0.41,0,0.14
3P2F,CYS_196,9.51,0,0.3,0.21
1MTZ,TYR_165,10.57,0.0,0.03,0.54
1JKS,TYR_191,9.73,-0.85,0,0.58
3ERF,LYS_66,11.89,-0.39,0.94,0.84
4ESS,GLU_132,3.55,0.95,-0.93,-0.98
1MML,TYR_271,10.42,0.0,0.2,0.23
2D8N,LYS_196,11.07,-0.36,0.38,0.55
3GW3,ARG_113,11.99,-0.75,0.0,0.24
2INO,GLU_4,4.93,0.35,0.09
3PM2,ARG_43,12.18,-0.39,0,0.07
1J7G,GLU_47,4.32,0.19,0,-0.37
2OSA,ARG_321,12.85,-0.17,0.06,0.45
2CVB,TYR_4,12.79,0,0.18,2.61
3F6F,LYS_82,10.74,-0.11,0,0.34
4EVF,ARG_161,12.8,-0.29,0.59
1OGL,LYS_66,10.38,-0.13,0,0.01
1X1E,GLU_190,4.62,0.12,0,0
2BDV,HIS_65,6.39,-0.09,0,-0.02
3FTT,ARG_46,11.74,-0.76,0,0
3FTT,ASP_14,3.88,-0.69,0.19,0.58
2YT4,ASP_605,1.81,-2.31,-0.43,0.75
3PBH,LYS_130,10.18,-0.25,0,-0.07
2H85,ASP_310,3.72,-0.37,-0.09,0.39
1Y2Q,LYS_21,10.47,-0.03,0,0
2AD1,ARG_10,11.93,-0.56,0,-0.01
1UCH,TYR_85,11.91,-0.86,-0.54,3.31
3MIX,CYS_583,12.01,0,0.42,2.59
3RKV,ARG_227,12.35,-0.18,0,0.03
2B6I,LYS_256,10.82,-0.18,0,0.49
2YT4,LYS_640,10.63,-0.15,0,0.27
2ZCO,GLU_76,4.6,0.18,0,-0.08
3PBH,ARG_252,11.52,-1.17,0,0.19
1O9G,ARG_112,11.1,-1.12,0,-0.27
2E3H,GLU_233,4.62,0.11,0,0.01
3BWT,LYS_682,11.09,-0.47,0.66,0.4
2B2H,LYS_144,10.27,-0.35,0,0.13
3F53,HIS_227,5.75,-0.87,0.04,0.08
2Q99,ARG_112,11.1,-1.13,0.01,0.54
2ZOM,GLU_143,5.07,0.32,0,0.25
2D7J,HIS_166,9.31,-2.94,2.45,3.29

1W24,ARG_14,12.25,-1.11,0.02,0.84
2D7J,GLU_173,4.01,0.41,-0.79,-0.12
1P4X,HIS_77,5.92,-0.3,0,-0.29
4FCU,LYS_2,10.01,-0.58,0,0.09
2G55,LYS_73,10.43,-0.07,0,0
3DZ1,ASP_159,4.15,0,-0.19,0.54
2QVO,LYS_11,10.43,-0.08,0,0.01
2EFK,ASP_214,4.09,0,0.03,0.26
3DHN,ARG_214,12.36,-2.13,0.85,1.15
2EHG,GLU_52,7.82,3.34,-0.89,0.87
3DZ1,ARG_113,12.41,-0.09,0,0
3A4C,GLU_508,4.81,0.35,0,-0.04
3LQE,GLU_303,3.45,0.63,-1.67,-0.01
1SUU,ARG_790,13.53,-0.45,0.8,0.68
1OGL,ARG_204,13.16,-0.81,0.82,0.66
3EGN,GLU_395,4.02,0.22,-0.09,-0.61
1YB2,TYR_62,12.23,-0.41,0.32,2.32
1R7J,GLU_65,4.63,0.21,0,-0.08
1X9G,ASP_171,3.45,-0.63,0.07,0.22
3EX9,GLU_68,3.62,0.14,-0.73,-0.29
2P1W,TYR_83,10.05,0,0,0.05
3IVF,LYS_98,10.46,-0.15,0,0.11
3AUF,HIS_175,5.16,-1.28,0,-0.06
1DTO,HIS_113,6,-0.43,0,-0.07
3H8Y,ARG_83,12.43,-0.09,0,0.02
4AM1,GLU_59,4.61,0.41,0,-0.3
2W1R,GLU_61,4.52,0.24,0,-0.23
2Q34,GLU_81,4.68,0.26,0,-0.06
1OGL,HIS_20,5.59,-1.4,0.25,0.24
3EVN,ARG_19,12.28,-0.42,0,0.18
3OIP,GLU_82,4.86,0.32,0,0.04
3V3T,LYS_4,10.43,-0.41,0,0.33
2Q07,ARG_384,13.69,-0.32,0.84,0.68
1RSQ,ASP_80,3.97,0,-0.02,0.19
2XMZ,GLU_214,4.05,0.29,-0.74,0
1NWA,HIS_76,3.27,-3.5,0.82,-0.54
2PWQ,LYS_39,11.16,-0.32,0.22,0.76
2F8H,HIS_87,5.77,-1.25,0.47,0.05
3MTT,ARG_458,12.45,-0.23,0,0.19
1WJG,GLU_27,4.63,0.13,0,0
1R29,ARG_94,12.42,-0.08,0,0
1J33,ARG_148,13.5,-0.33,0.85,0.49
1P1L,LYS_20,10.61,-0.14,0,0.25
3M70,GLU_263,4.12,0.29,-0.04,-0.63
4DNU,GLU_216,4.88,0.55,0,-0.18
3EAZ,ASP_159,3.51,-0.53,-0.1,0.35
2E3C,LYS_229,10.19,-0.42,0,0.1
3HQX,CYS_65,11.51,0,0.02,2.48
2AHE,CYS_189,13.36,-0.12,0.8,3.67
1NIJ,ARG_93,12.03,-0.98,0,0.5
3CRM,TYR_315,10.88,0,0,0.88
1MIX,LYS_263,11.15,-0.16,0.12,0.69
3JZN,LYS_385,10.92,-0.32,0.26,0.47
2P65,ARG_176,12.19,-0.25,0,-0.06
4EUG,LYS_94,9.98,-0.44,0,-0.08
1O1F,GLU_58,4.25,0.35,-0.79,0.18
2E3C,CYS_328,12.09,0,-0.79,3.88
1T6L,ASP_109,3.95,0,0,0.15
2BLL,GLU_617,4.48,0.13,0,-0.16
1RKA,LYS_193,10.6,-0.17,0,0.26
2YWX,LYS_140,10.47,-0.25,0,0.22
3LQE,TYR_525,10.59,0,0.27,0.31
1PVT,LYS_76,10.58,-0.27,0,0.35
2IQT,ARG_10,12.18,-0.32,0,0
1WOU,GLU_122,4.72,0.08,0,0.14
3O16,GLU_215,4.75,0.11,0,0.13
1YM5,GLU_136,4.19,0.16,-0.5,0.03
2OEW,ASP_325,3.76,0,-0.24,0.2
3GMS,LYS_298,10.45,-0.16,0,0.11
1RAJ,ASP_89,4,0,0,0.2
1EDG,ASP_68,2.54,-1.46,-0.4,0.61
1EDG,LYS_61,10.46,-0.24,0,0.2
2QK0,LYS_71,10.39,-0.11,0,0
2YWK,GLU_46,4.21,0.3,-0.59,0
2RIK,GLU_240,4.7,0.2,0,0
3IPZ,ARG_92,13.03,-0.68,0.56,0.65
3ANJ,CYS_176,11.91,-0.78,1.01,2.67
2NSN,ASP_54,2.13,-2.05,-0.41,0.78
2IQT,GLU_4,4.56,0.2,0,-0.14
3HUE,GLU_287,4.5,0,0,0
3V3T,LYS_155,10.37,-0.23,0,0.1
2Q13,ARG_338,12.26,-0.57,0,0.33
1J5X,GLU_48,4.37,0.16,0,-0.29
1N81,GLU_91,4.78,0.11,0,0.17
2P0Y,ASP_76,3.74,0,-0.34,0.28
1YM5,ASP_140,3.9,0,-0.23,0.33
3VJ8,ARG_218,13.76,-1.46,1.4,1.31
2FBQ,GLU_80,4.58,0.08,0,0
2H01,CYS_68,13.67,0.0,0.87,3.8
2B61,GLU_348,4.22,0.37,-0.45,-0.2
2V5B,GLU_248,4.74,0.63,-0.01,-0.38
3V55,CYS_596,9.6,-1.07,0.23,1.44
2D8N,GLU_25,4.68,0.22,0,-0.05
1O9G,ARG_108,11.74,-1.77,0.59,0.42
2PGX,ARG_118,13.86,-0.62,1.05,0.94
1WXQ,ASP_97,3.92,-0.01,-0.18,0.31
2ZQ5,GLU_342,3.81,0.29,-1.08,0.1
1J79,HIS_132,4.88,-1.7,0.2,-0.12
3JZ9,TYR_368,13.22,-0.85,0.04,4.02
1U7U,GLU_256,2.94,0.44,-2,-0.01
3G59,CYS_113,11.05,-0.85,0.14,2.75
3I47,HIS_60,5.13,-0.79,0,-0.58
1HF8,TYR_88,9.95,0,-0.57,0.53
3RKV,GLU_268,3.12,0.99,-1.62,-0.75
3CS1,ARG_49,12.08,-0.74,0,0.31
1TD6,GLU_27,4.73,0.24,0,-0.02
3B7H,HIS_65,6.65,-0.15,0,0.29
3GMS,ARG_232,13.3,-0.52,0.81,0.51
2X4L,GLU_261,3.71,0.4,-0.85,-0.33
3DTE,ARG_19,12.23,-0.66,0,0.39
3BB7,GLU_348,6.32,1.51,0,0.31
2H85,LYS_46,11.38,-0.24,0.41,0.71
1Q2Y,TYR_65,10.55,0,0.28,0.27
1XEU,ASP_156,4.63,0,0.42,0.41
2G9D,LYS_35,10.42,-0.4,0,0.31
2Q12,GLU_216,4.79,0.29,0,0
1D2K,LYS_149,10.5,-0.41,0.09,0.33
1BN6,HIS_283,6.89,-3.25,0.86,2.77
1UXO,HIS_9,5.16,-2.1,0.76,0
3VJ8,ARG_203,13.62,-0.39,0.56,0.95
1C44,LYS_8,10.42,-0.27,0,0.19
1Q2Y,HIS_117,6.35,-0.63,0.59,-0.11
1YTD,ASP_229,3.21,-0.68,-0.12,0.21
2NRK,GLU_161,4.95,1.71,-0.66,-0.61
2V4U,HIS_517,4.65,-2.45,0.84,-0.24
4ANN,LYS_165,10.43,-0.19,0,0.13
3G9G,TYR_183,11.93,0.85,0.48,0.6
2QEV,GLU_88,4.85,0.32,0,0.03
2RIS,GLU_95,4.65,0.09,0,0.06
3M7D,ARG_287,12.49,-0.1,0.1,0.09
2CVB,ASP_15,2.85,-1.86,-0.2,1.1
2WZ9,LYS_110,10.57,-0.14,0.08,0.14
3ZXY,ASP_157,4.08,0,-0.06,0.33
3JZN,GLU_90,4.41,3.23,-2.54,-0.78
4H86,LYS_107,10.34,-0.16,0,0
4FD6,LYS_219,10.99,-0.86,0.85,0.5
2EFK,TYR_231,10.43,0,-0.11,0.54
3TOW,ASP_154,3.59,0,-0.58,0.38
1FHL,GLU_279,4.95,0.34,0,0.1
2G3A,ASP_33,3.91,-0.07,-0.04,0.23
3IL3,ARG_127,12.47,-0.65,0,0.62
3EVP,ASP_123,2.28,-1.56,-0.4,0.44
1SFE,GLU_22,4.75,0.44,0,-0.2
2CW4,LYS_5,10.42,-0.09,0,0.01
3QAV,ASP_91,3.3,-0.84,0,0.34
4DND,GLU_41,4.61,0.11,0,0
4HDE,ASP_166,3.1,-1.85,-0.08,1.24
2AD1,GLU_275,4.7,0.15,0,0.05
2BLL,ARG_415,13.47,-0.57,0.71,0.82
2PLQ,ASP_109,3.79,0,-0.3,0.29
3C38,ARG_203,13.8,-0.43,1.34,0.38
1WYC,ARG_89,12.2,-0.41,0,0.1
2EJB,GLU_117,3.65,0.39,-0.82,-0.42
3I0C,HIS_145,5.24,-1.62,0.59,-0.24
2CWC,ARG_162,13.99,-0.46,1.13,0.8
3KV0,GLU_40,3.47,0.44,-1.48,0
2G5X,ASP_121,2.37,-1.66,-0.38,0.6
3G65,ARG_147,11.83,-1.2,0,0.54
3EX9,GLU_72,3.98,0.2,-0.34,-0.37
1X8F,ASP_180,3.86,-0.25,-0.04,0.35
1H09,CYS_108,13.21,-0.06,0.4,27
1L2H,LYS_55,11.64,-0.42,0.85,0.72
2Q13,LYS_350,10.38,-0.27,0,0.15
2AD1,ASP_264,3.57,0,-0.6,0.37
2A1V,ASP_51,3.98,-0.61,0.24,0.55
3Q1C,HIS_250,6.28,-0.27,0,0.05
1G8P,TYR_149,13.07,-0.15,0.77,2.44
1DVO,ASP_107,2.71,-1.35,-0.32,0.58
1JKS,TYR_208,12.3,0,0.48,1.83
3V1Q,LYS_622,10.38,-0.12,0,0
1XTD,LYS_96,10.38,-0.12,0,0
4AM1,LYS_9,10.44,-0.18,0,0.12
1OST,LYS_114,9.88,-0.52,0,-0.1
1OTM,LYS_175,10.36,-0.14,0,0
3TMO,TYR_299,12.45,0.57,0.31,1.57
3FHF,GLU_25,3.24,0.63,-1.02,-0.88
4AM1,LYS_164,11.43,-0.33,0.85,0.41
2W1R,LYS_90,10.15,-0.34,0,0
3H8Y,GLU_53,4.71,0.21,0,0.01
3O7K,GLU_154,3.71,0.49,-0.75,-0.53
2IQT,GLU_265,4.12,0.76,-0.72,-0.41
2DG7,ARG_180,12.4,-0.09,0,-0.01
1YG2,ASP_94,2.83,-1.52,0,0.55
1BKR,LYS_78,10.42,-0.36,0,0.28
3TMO,HIS_240,6.36,-0.43,0.28,8.33E-17
2AZL,GLU_30,4.78,0.33,0,-0.05
3CS1,GLU_175,4.64,0.17,0,-0.03
2BDD,ASP_114,4.29,0,-0.06,0.54
3RLN,GLU_609,4.69,0.38,0,-0.18
1WLY,ARG_254,12.46,-0.27,0,0.23
3M9A,CYS_23,9.44,-0.85,0.23,1.06
3LD1,LYS_214,11.4,-0.44,0.82,0.53
2QHT,ARG_43,13.99,-0.91,1.49,0.91
1R7J,LYS_3,10.46,-0.05,0,0.01
1OIS,ARG_307,13.04,-0.72,0.66,0.6
2Z61,TYR_176,13.39,-0.65,0.96,3.09
1OSJ,ARG_97,12.36,-0.28,0,0.14
3DHN,GLU_154,4.63,0.13,0,0
2FC3,LYS_83,10.34,-0.41,0,0.25
2NYC,ASP_190,3.97,0,-0.1,0.27
2AZL,LYS_138,10.82,-0.45,0.12,0.65
3ETU,TYR_81,11.68,-0.09,0.2,1.58
2Q13,GLU_255,4.35,0.22,-0.38,0
2Z14,TYR_34,10.22,0,0.1,0.12
1UOH,HIS_137,6.31,-0.32,0,0.13
1MIX,GLU_291,4.05,0.41,-0.47,-0.39
3GG6,HIS_157,6.32,-0.22,0,0.04
3MTT,LYS_572,10.1,-0.23,0,-0.16
3N2T,LYS_147,11.07,-0.18,0.32,0.42
2P1W,ARG_90,12.35,-0.2,0,0.05
2F4Q,GLU_10,4.69,0.21,0,-0.02
2R4Q,GLU_260,4.02,0.37,-0.33,-0.52
1CBY,LYS_201,10.58,-0.13,0,0.21
3M3P,CYS_49,10.78,-0.16,0.09,1.85
1J8B,LYS_43,10.57,-0.32,0,0.39
2GZQ,TYR_118,12.8,0,0.09,2.71
3BA1,GLU_208,3.95,0.29,-0.75,-0.09
1K95,LYS_115,10.45,-0.18,0,0.12
1O3X,LYS_213,10.64,-0.22,0,0.37
2YXO,GLU_312,4.07,1.21,-1.15,-0.49
2EYI,ARG_133,12.82,-0.52,0.44,0.41
2Q13,GLU_95,4.99,0.48,0,0.01
1AK1,TYR_17,11.95,0,0.46,1.48
3BB7,ASP_193,3,-1.15,-0.11,0.45
2Z61,TYR_292,11.44,0.17,0.54,0.73
1R53,ARG_46,11.63,-1.42,0.14,0.41
3COC,ASP_322,3.9,0,0,0.1
2VGM,TYR_230,13.43,0.71,0.78,1.95
2ZCO,TYR_284,12.42,0.6,0.56,1.25
1NAR,ARG_6,12.94,-3.24,0.51,3.17
1OIS,LYS_167,11.28,-0.68,0.85,0.61
3MEW,TYR_269,10.27,-0.22,0.28,0.2
2FBQ,HIS_197,6.27,-0.33,0,0.1
1MIX,TYR_216,12.39,-0.36,-0.25,2.99
3CCY,TYR_99,9.97,-0.75,-0.57,1.3
3K1H,ARG_35,11.8,-0.82,0,0.11
1WP5,TYR_284,10.11,0,-0.13,0.24
3M66,LYS_363,10.38,-0.23,0,0.11
3RE9,TYR_180,11.01,0,0.28,0.72
2IF4,ASP_223,3.95,-0.1,-0.11,0.35
2WB8,HIS_563,5.06,-1.16,0,-0.27
1AIL,GLU_55,4.4,0.22,0,-0.31
3BWT,GLU_100,4.4,0.31,-0.33,-0.08
2BHR,HIS_10,4.61,-1.9,0.19,-0.18
3EVN,GLU_144,4.06,0.45,-0.25,-0.64
2F4Q,ASP_300,3,-0.59,-0.43,0.22
2ZCX,ARG_136,12.95,-0.14,0.59,0
1IDK,ARG_188,13.67,-0.69,1.26,0.6
3TOW,ARG_164,12.8,-0.69,0.26,0.72
2G55,GLU_123,4.85,0.1,0.2,0.4
2IRM,ARG_354,11.33,-2.17,0.52,0.48
1DOV,ARG_194,13.14,-1.0,0.67,0.96
1H4U,GLU_372,4.58,0.12,0,-0.04
2P52,TYR_123,11.87,0,0.16,1.72
1X7F,ASP_194,3.13,-0.82,-0.3,0.46
1ZCE,GLU_17,4.43,0.23,-0.02,-0.27
3D9H,LYS_228,10.41,-0.11,0,0.03
3ZTA,CYS_41,11.93,-0.09,0.06,2.97
1FO9,GLU_222,4.26,1.32,-1.65,0.08
3H04,HIS_216,4.91,-3.08,1.02,0.47
1WXQ,TYR_382,12.13,0.69,0.52,0.93
2WZ9,GLU_107,4.09,0.35,-0.3,-0.46
1H09,LYS_311,10.71,-0.19,0,0.4
3GMS,LYS_309,10.25,-0.33,0,0.08
2PGE,ARG_122,12.86,-2.23,0.82,1.77
1NJ4,ASP_293,3.83,-0.25,-0.06,0.33
3CIV,ARG_210,12.28,-0.22,0,0.01
4GCO,ARG_172,13.39,-0.35,0.82,0.42
2XWS,GLU_93,3.81,0.2,-0.55,-0.34
3V3T,ASP_27,3.2,-0.62,-0.27,0.29
1OST,HIS_170,4.04,-2.37,0,-0.09
1MIX,GLU_346,4.82,0.2,0,0.12
2Z61,TYR_283,3.33,-0.84,-0.86,1.22
3AUF,TYR_42,9.54,-0.28,0.48,0.31
1NIJ,GLU_204,3.53,2.94,-1.58,-2.33
3IBT,CYS_182,12.61,0,0.52,3.09

2QZQ,GLU_39,4.8,0.5,0,-0.21
 3EAZ,ASP_161,3.23,-0.85,-0.1,0.37
 3IU5,ARG_74,12.42,-0.16,0,0.08
 3K1H,ASP_36,3.24,-0.81,0,0.25
 2AZL,CYS_267,11.36,-0.49,0.01,2.84
 3RJZ,GLU_80,4.52,0.27,0,-0.24
 3DZ1,TYR_265,11.14,0.26,-0.08,0.95
 3RFY,ARG_119,11.96,-1.62,0,1.07
 2FBI,ARG_16,12.69,-0.67,0.51,0.35
 3TOW,ARG_168,13.27,-0.17,0.57,0.37
 1GPP,GLU_125,3.76,0.66,-0.85,-0.54
 2AD1,LYS_72,10.42,-0.08,0,0
 3LOD,LYS_100,10.69,-0.28,0.13,0.34
 2ZTY,LYS_76,10.35,-0.27,0,0.12
 3HVM,GLU_91,4.06,0.46,-0.69,-0.21
 3NR5,GLU_10,4.78,0.21,0,0.07
 2XHC,ASP_148,3.31,-0.79,-0.16,0.47
 1H4U,ARG_525,12.04,-0.46,0,0
 1NJ4,GLU_274,3.12,0.37,-1.7,-0.06
 3JSN,TYR_169,11.94,-0.54,0.25,2.23
 1QYI,HIS_39,6.65,-0.51,0.73,-0.07
 1SJJ,HIS_96,5.06,-1.24,0,-0.2
 2EFK,GLU_270,4.51,0.3,-0.29
 3I0C,GLU_138,3.51,1.97,-2.28,-0.68
 2H2P,LYS_197,10.89,-0.34,0.12,0.61
 2F4Q,CYS_291,11.02,-0.79,-0.03,2.84
 4AE7,ASP_65,3.49,-0.5,-0.19,0.37
 2FPN,LYS_145,10.22,-0.24,0,-0.04
 1XTZ,TYR_52,11.95,0.85,0.51,0.58
 1KZK,GLU_100,4.58,0.37,0,-0.3
 2QDJ,TYR_325,11.64,-0.89,0.67,1.86
 2ZTY,GLU_61,3.64,0.48,-0.76,-0.57
 1TD6,TYR_119,12.56,0.6,0.3,1.67
 1YOY,GLU_59,4.39,0.4,-0.43,-0.08
 2QRX,TYR_85,12.96,-0.85,1.15,2.67
 1T95,GLU_68,3.97,0.53,-0.85,-0.22
 4GCO,ASP_158,4.09,0,-0.09,0.38
 2Q99,ARG_327,13.91,-1.05,1.53,0.92
 3ONT,TYR_59,11.82,0.85,0.47,0.51
 1WNH,GLU_94,4.6,0.1,0,0
 3CE7,CYS_28,11.81,0.04,2.76
 1ZBS,LYS_257,10.34,-0.16,0,0
 1MUF,GLU_214,4.53,0.27,0,-0.24
 3DTE,ASP_224,3.82,0,-0.29,0.31
 3UV9,LYS_467,10.34,-0.23,0,0.07
 1TJE,CYS_35,11.41,-0.01,-0.03,2.44
 3ETU,LYS_230,10.45,-0.07,0,0.02
 3BCH,ARG_191,12.39,-0.25,0.0,0.14
 2O8I,GLU_151,4.26,1.65,-1.1,-0.79
 4EKU,GLU_146,4.53,0.19,0,-0.16
 4H86,TYR_70,13.76,-0.65,0.42,3.98
 1ANU,ASP_82,4.27,0.0,15,0.33
 3F6M,ASP_127,3.41,-0.15,-0.49,0.25
 1SI7,LYS_190,10.6,-0.2,0.01,0.28
 2QEV,GLU_80,3.78,0.42,-0.69,-0.45
 2EDM,ASP_170,4.1,-0.07,-0.24,0.6
 2I88,TYR_421,10.92,0.0,17,0.75
 2HRZ,ASP_98,3.27,-0.7,-0.21,0.38
 3RLE,TYR_135,11.5,0,0,1.49
 1MTZ,ARG_153,13.12,-0.31,0.5,0.42
 3PM2,ASP_112,3.95,0,-3.47E-18,0.15
 2H8O,HIS_109,6.19,-1.43,0.59,0.52
 2XJ4,ARG_120,13.47,-0.24,0.74,0.47
 2APL,TYR_45,11.3,0.0,64,0.66
 2YWJ,LYS_83,11.42,-0.45,0.85,0.52
 3ETV,GLU_79,4.35,0.63,-0.74,-0.05
 3RLE,LYS_68,11.2,-0.22,0.54,0.38
 3Q6L,ASP_78,3.36,-0.18,-0.52,0.26
 1H4U,TYR_612,12.14,0.0,43,1.71
 2IQT,ARG_242,12.05,-1.09,0,0.64
 3T5B,GLU_350,3.95,1.47,-1.43,-0.58
 3CZC,CYS_39,10.44,0.0,28,1.17
 2GKG,GLU_31,3.49,0.65,-1.42,-0.25
 4DNU,LYS_304,10.35,-0.15,0,0.01
 1GQE,TYR_326,12.29,-0.72,-0.78,3.79
 3RRQ,LYS_131,10.48,-0.02,0,0
 2E35,CYS_503,12.25,0,-0.06,3.31
 4F3J,ARG_198,13.33,-0.27,0.46,0.64
 2V81,TYR_200,10.89,0,-0.17,1.06
 1R15,ARG_247,13.25,-1.34,1.16,0.94
 2B3M,LYS_21,10.44,-0.06,0,0
 4FCU,GLU_211,4.23,2.13,-2.28,-0.14
 1AKO,ARG_209,13,-0.52,0.28,0.73
 3HUE,ASP_74,4,0,0,0.12
 1ZBM,GLU_190,3.18,0.79,-1.64,-0.47
 1J85,ARG_129,12.43,-0.07,0,0
 3V75,ARG_274,12.54,-0.3,0,0.33
 2INO,ARG_417,13.19,-0.27,0.59,0.37
 3RE9,ASP_177,2.38,-1.64,-0.6,0.83
 3BCY,HIS_87,4.34,-1.86,0,-0.3
 1F2V,GLU_34,4.94,1.37,-0.9,-0.02
 2W0Z,HIS_298,6.43,-0.07,0,0
 1KCM,LYS_156,10.76,-0.24,0,0.5
 1G8P,GLU_244,4.56,0.19,0,-0.12
 1YM5,ASP_32,3.4,-0.63,-0.13,0.37
 2VAN,HIS_212,5.63,-0.77,0,-0.1
 3T5B,ARG_29,13.19,-0.38,0.49,0.58
 2QDJ,GLU_287,3.4,0.26,-1.36,0
 3FRR,ASP_180,3.3,-0.63,-0.29,0.42
 3OIP,ARG_200,13.34,-0.28,0.54,0.59
 3GMS,TYR_66,11.48,0.0,12,1.36
 3VHJ,LYS_37,11.2,-0.22,0.54,0.38
 2Q34,GLU_238,4.63,0.27,0,-0.14
 1SUU,ASP_798,3.71,0,-0.28,0.19
 2V5B,GLU_158,3.49,0.33,-0.94,-0.39
 2ZCX,LYS_21,10.82,-0.33,0.2,0.45
 1TLV,LYS_187,10.1,-0.59,0,0.19
 1G5Z,GLU_117,4.54,0.13,0,-0.08
 3B21,TYR_170,10.48,0.0,2,0.28
 2XHC,ARG_181,12.41,-0.09,0,0
 3C2E,HIS_124,5.71,-0.65,0,-0.14
 2B78,TYR_50,13.59,-0.78,0.4,3.7
 2DVK,ARG_96,12.41,-0.28,0.0,0.19
 1PV5,GLU_213,4.66,0.19,0,-0.04
 4H4J,LYS_27,10.48,-0.09,0,0.06
 1T95,HIS_126,5.94,-1.11,0.41,0.15
 2YWJ,LYS_65,10.36,-0.45,0,0.31
 2Z14,TYR_21,10.53,0.0,19,0.35
 3BB7,HIS_226,4,-2.59,0,0.08
 1LPL,CYS_152,11.35,-0.11,0.03,2.45
 1BK6,LYS_114,11.39,-0.37,0.85,0.42
 2QEV,ARG_69,13.86,-0.24,1.21,0.39
 2QK1,LYS_363,10.54,-0.22,0,0.25
 1F2V,ARG_189,12.52,-0.85,0.4,0.46
 3OBS,TYR_68,10.32,0.0,0.06,0.26
 1R9W,TYR_268,12.32,0.3,4.7E-18,2.32
 1PZC,GLU_43,3.92,0.89,-0.72,-0.74
 4FLE,HIS_9,4.28,-2.29,0.07,0
 3V4G,ASP_90,3.77,-0.7,-0.16,0.83
 2EJX,GLU_7,3.38,0.34,-0.85,-0.6
 1AKO,GLU_23,4.65,0.15,0,0
 4FZN,ARG_68,12.48,-0.25,0,0.24
 1RZ2,GLU_178,3.87,0.79,-0.85,-0.58
 1PBV,GLU_222,4.71,0.21,0,0
 3TRE,ARG_10,12.35,-0.25,0,0.09
 1WYC,ARG_76,12.59,-0.93,0.56,0.45
 2ZQ5,LYS_8,10.39,-0.13,0,0.02
 3EJG,ASP_82,2.87,-0.77,-0.44,0.29
 3RE9,LYS_172,11.19,-0.4,0.85,0.24
 2AH5,TYR_100,10.77,0.0,0.05,0.72
 2AHE,GLU_113,4.64,0.16,0,-0.01
 1YTD,LYS_346,10.55,-0.21,0,0.25
 3ZXY,ASP_130,4.22,0.0,0.09,0.33
 1SFE,ASP_90,3.44,-0.92,-0.7,1.25
 3GA2,LYS_2,10.43,-0.07,0,-0.01
 2P1W,HIS_203,6.45,-0.88,0.79,0.03
 1ZHV,ASP_51,3.99,0,-0.04,0.23
 1LTU,GLU_133,5.4,0.71,0,0.19
 3SMD,GLU_87,4.62,0.15,0,-0.04
 1X9G,LYS_178,10.45,-0.05,0,0
 1DZF,ARG_177,12.31,-0.22,0.0,0.02
 2V81,CYS_108,11.46,0.0,17,2.28
 1WXQ,LYS_318,10.35,-0.19,0,0.05
 2NSN,GLU_53,4.69,0.1,0,0.1
 3E2Z,GLU_304,4.67,0.12,0,0.05
 3ZRI,GLU_110,4.98,0.43,0,0.04
 2BAA,ARG_211,13.11,-0.35,0.41,0.55
 3F5D,TYR_21,10.23,0,-0.02,0.25
 2EFK,TYR_28,12.14,0.0,21,1.94
 3D9H,ASP_36,3.76,-0.28,-0.03,0.26
 3D9H,HIS_146,6.02,-1.05,0.67,-0.1
 1YG2,ARG_14,12.59,-0.14,0,0.23
 2E3C,ASP_373,3.82,0,-0.19,0.21
 2PGE,HIS_299,4.56,-1.72,0,-0.22
 3LD1,LYS_70,10.46,-0.04,0,0
 3JZN,ARG_414,13.21,-1.87,1.6,0.99
 2P1W,GLU_54,3.51,1.19,-1.65,-0.53
 1IAP,TYR_186,11.35,0.0,17,1.18
 2EJX,CYS_7,12.38,0.0,3,3.8
 1PSW,HIS_201,5.64,-1.68,0.78,0.03
 2EHG,GLU_104,4.36,0.25,0,-0.39
 3F6M,TYR_83,10.93,-0.84,0.24,1.54
 1RHS,ASP_82,4.04,0.0,0.24
 2BLL,GLU_342,3.37,0.72,-0.85,-1
 3EUR,GLU_139,4.8,0.28,0,0.02
 1XKR,GLU_169,4.96,0.5,0,-0.04
 2GZQ,CYS_70,11.32,0.33,-0.06,2.03
 3CAX,ARG_387,13.12,-1.38,0.73,1.26
 2FZP,ARG_253,12.17,-0.36,0,0.03
 3IVF,ARG_33,12.55,-0.63,0.15,0.52
 2Z0M,GLU_327,2.98,0.61,-1.37,-0.76
 2WB8,TYR_717,12.3,0.0,38,1.92
 1YLN,ARG_108,12.1,-0.4,0,0
 3K9I,LYS_71,10.79,-0.09,0.0,0.37
 3TRE,LYS_34,10.48,-0.02,0,0
 1JB3,ASP_82,3.12,-0.74,-0.53,0.59
 3EJC,HIS_37,7.89,-0.6,1.63,0.35
 1J8B,ASP_58,3.06,-1.06,-0.09,0.41
 1IAP,ARG_124,12.26,-0.38,0,0.14
 4FLE,ASP_152,3.35,-0.66,-0.28,0.5
 2QZQ,ASP_51,4.02,-0.01,-0.08,0.31
 3IL3,TYR_117,11.26,0.0,1,26
 2RIK,GLU_199,4.8,0.28,0.0,0.02
 3CZC,TYR_51,10.61,0.0,18,0.43
 3ASA,LYS_141,10.48,-0.29,0,0.27
 1WLY,TYR_317,8.74,-1.38,-0.58,0.7
 3CE7,GLU_69,4.97,0.23,0,0.24
 1QQL,LYS_69,9.97,-0.34,0,-0.19
 4ANN,LYS_87,10.75,-0.88,0.28,0.85
 4F85,TYR_240,13.27,-1.7,0.97,4
 3V4G,LYS_62,10.52,-0.1,0.0,0.13
 2FB6,GLU_103,4.67,0.19,0,-0.03
 2PLQ,TYR_145,10.13,0,-0.06,0.19
 2B61,TYR_108,11.56,0.0,1,56
 3C38,ASP_172,6.66,-0.98,-0.5,0.35
 2D7J,ARG_180,12.5,-0.2,0,0.2
 3JV1,LYS_128,10.21,-0.32,0,0.03
 2Z84,CYS_62,11.63,-0.05,0.2,68
 1YLN,GLU_41,4.64,0.34,0,-0.2
 1TXJ,TYR_167,10.12,-0.63,0.06,0.68
 2X4L,GLU_185,4.2,0.69,-0.77,-0.21
 1T3Y,CYS_52,12.31,0,-0.19,3.5
 3T5B,TYR_393,10.42,-0.41,-0.04,0.86
 3G59,TYR_286,11.05,-0.05,0.07,1.02
 2V5B,ASP_35,3.43,-0.11,-0.52,0.26
 4GCO,GLU_249,4.6,0.2,0,-0.1
 2R2Y,LYS_34,10.43,-0.07,0,0
 1LTU,ARG_50,10.8,-1.78,0,0.09
 4F3J,GLU_173,4.65,0.15,0,0
 2GKG,ASP_45,3.49,-0.25,-0.39,0.34
 2OEW,CYS_76,11.39,-0.72,0.2,2.91
 1G8P,GLU_198,4.66,0.16,0,0
 1X7F,ARG_164,13.34,-0.33,0.62,0.56
 3GE9,GLU_231,4.63,0.13,0,0
 4EVF,LYS_211,10.48,-0.07,0,0.05
 3I0O,HIS_102,6.6,-0.6,0.68,0.02
 1ZYL,ARG_210,12.01,-0.33,0,-0.15
 1N81,TYR_23,9.76,-0.85,0.33,0.27
 1XEU,TYR_247,10.24,0,-0.02,0.25
 1MUF,TYR_287,13.48,-0.85,0.21,4.12
 1SFE,CYS_135,12.17,-0.05,0.35,2.87
 1Q46,LYS_34,10.28,-0.27,0,0.04
 3M66,LYS_404,10.05,-0.24,0,-0.01
 1QQE,CYS_160,11.38,0,-0.27,2.65
 2X4L,GLU_258,3.29,2.08,-2.46,-0.83
 2H85,GLU_21,4.76,0.18,0,0.08
 2FZ4,GLU_187,4.63,0.29,0,-0.16
 3I0O,ASP_166,2.79,-1.3,0.0,28
 3AU3,CYS_525,11.96,0.0,39,2.57
 1NAR,GLU_97,4.72,0.22,0,0
 1O9G,ASP_156,3.6,-0.51,-0.04,0.36
 2GZQ,HIS_18,4.72,-0.86,0,-0.92
 2ZQ5,ASP_369,3.24,-0.87,-0.08,0.38
 1WP5,LYS_271,4.64,0.65,-0.52,0
 3OA7,LYS_541,11.11,-0.18,0.41,0.38
 1QQL,ARG_28,12.59,-0.2,0,0.28
 2JKF,LYS_126,11.27,-0.21,0.5,0.47
 3PU6,GLU_70,4.5,0,0,0
 3GT0,GLU_128,4.47,0.25,0,-0.28
 3U2R,ASP_81,3.1,-0.68,-0.45,0.42
 2EJX,TYR_57,13.05,0.0,0.02,3.02
 2OEW,LYS_265,11.22,-0.81,0.75,0.78
 1RWZ,ARG_121,12.45,-0.05,0,0
 2POL,GLU_83,5.12,0.63,0,-0.01
 3ASA,ARG_110,11.84,-1.29,0.0,63
 2P65,LYS_7,10.79,-0.19,0.21,0.26
 1LPL,LYS_173,10.55,-0.08,0.14
 3A2Z,ARG_45,13.57,-0.2,0.75,0.52
 2VAN,GLU_216,4.43,0.28,0,-0.36
 1XEU,GLU_122,4.5,0.3,0,-0.3
 1V43,GLU_268,4.41,0.46,-0.17,-0.37
 3M3P,ASP_37,2.38,-1.6,-0.47,0.64
 1AK1,ARG_30,11.99,-0.52,0,0
 3LPZ,GLU_22,4.61,0.09,0,0.02
 2R4Q,HIS_215,5.91,-0.23,0,-0.36
 2B78,LYS_245,10.38,-0.05,0,-0.06
 3TOW,TYR_66,11.03,0.0,22,0.81
 1Q46,GLU_155,4.51,0.14,0,-0.13
 1T95,HIS_180,6.35,-0.5,0.35
 2OKT,LYS_16,10.36,-0.49,0.0,35
 2H14,ASP_172,4.39,0.19,0.4
 1WP5,ASP_279,12.43,-0.07,0,0
 3OIP,TYR_132,10.09,-0.85,0.0,94
 1S7K,ASP_177,2.66,-0.98,-0.5,0.35
 4DBX,GLU_262,4.25,0.33,-0.46,-0.12
 1FQI,HIS_379,6.3,-0.19,0,-0.02

3F1X,LYS_24,10.24,-0.26,0.0
 1XTD,GLU_163,3.94,0.44,-0.77,-0.23
 1AIL,CYS_13,10.61,-0.09,-0.03,1.73
 2R57,GLU_308,2.91,0.37,-1.29,-0.66
 3OIP,HIS_136,6.31,-0.19,0.0
 2NSN,LYS_24,10.33,-0.18,0.001
 1Q46,LYS_96,10.96,-0.18,0.47,0.18
 2EJB,LYS_59,10.78,-0.14,0,0.42
 2VAN,ARG_222,12.43,-0.07,0.0
 2FXT,GLU_373,5.1,2.52,-1.35,-0.56
 1L3K,LYS_15,10.4,-0.33,0,0.23
 3NBI,LYS_78,10.22,-0.12,0,-0.16
 3M70,LYS_162,9.69,-0.85,0,0.04
 3V55,ASP_530,4.1,0.0,0.07,0.24
 1TD6,ASP_118,3.72,-0.16,-0.13,0.2
 4E8B,GLU_140,6.01,2.47,-0.7,-0.26
 1ZBM,TYR_103,10.13,0,-0.31,0.42
 3CAX,ASP_457,2.95,-1.38,-0.14,0.67
 2Z84,ASP_47,1.83,-2.1,-0.45,0.57
 3DB9,GLU_104,4.26,0.51,-0.26,-0.48
 2QEV,CYS_81,10.49,-0.8,-0.18,2.48
 1YDL,ARG_5,12.34,-0.24,0,0.07
 1XFK,ARG_150,13.84,-0.36,0.94,0.76
 3K8U,TYR_97,12.83,0,0.19,2.64
 2QV2,ASP_145,3.88,0,0.09,0.08
 4EKU,ARG_242,12.64,-0.09,0,0.23
 1SQW,HIS_40,5.98,-0.46,0,-0.07
 3GG6,HIS_161,6.36,-0.3,0,0.15
 4GCO,TYR_137,10.04,0,-0.02,0.06
 3F6F,TYR_153,12.8,-0.85,0.55,3.1
 3I4T,TYR_125,10.06,0,0,0.06
 1FQI,ASP_371,3.94,-0.09,-0.01,0.24
 1J33,ARG_334,12.36,-0.21,0,0.07
 3LJN,ARG_199,13.1,-0.27,0.15,0.72
 3B21,LYS_117,11.41,-0.21,0.71,0.42
 2CYG,GLU_310,11.96,5.14,1.49,0.82
 2NVC,LYS_289,10.54,-0.14,0,0.18
 3P2F,CYS_65,9.97,-0.1,1.91E-17,1.08
 3V55,GLU_534,4.75,0.16,0,0.09
 3LJC,LYS_35,10.78,-0.21,0,0.48
 1UW7,ARG_55,12.76,-0.25,0.01,0.5
 2OKT,ARG_246,12.62,-2.19,0.3,2.02
 2GZR,ASP_45,3.73,-0.18,-0.22,0.33
 2OB5,GLU_103,4.35,0.81,-0.85,-0.1
 1XAW,TYR_474,10.59,0,0.3,0.29
 2BOJ,ASP_269,3.14,-0.56,-0.58,0.48
 1OTM,ASP_200,3.62,-0.79,0.11,0.49
 2OYZ,TYR_65,9.76,-0.65,-0.14,0.55
 2PPN,GLU_31,4.41,0.31,-0.42,0.03
 2QOP,ARG_209,12.44,-0.4,0,0.35
 2188,TYR_367,12.51,-0.85,0.49,2.87
 3ONH,ASP_474,4.59,0.37,0.41
 3P28,ASP_85,3.21,-0.47,-0.34,0.22
 3CN5,CYS_91,9.38,-0.05,0,0.42
 2X4G,GLU_297,4.53,0.18,0,-0.15
 3G6S,ASP_140,2.67,-1.85,-0.85,1.57
 3F6F,CYS_201,10.07,-0.94,-1.51,3.51
 3H5T,GLU_164,4.46,0.09,0,-0.13
 3LJC,ASP_105,3.98,0,-0.23,0.41
 3DTE,ARG_255,12.2,-1.2,0.45,0.45
 2NRR,ARG_466,12.44,-0.09,0,0.03
 3CAX,LYS_432,10.64,-0.29,0,0.43
 3K9I,TYR_154,10.38,0,0.38
 2FD4,LYS_520,10.47,-0.36,0,0.34
 3GFP,HIS_361,5.64,-0.77,0,-0.08
 2ZOM,ASP_84,3.95,0,0.03,0.13
 4GA2,ASP_59,3.25,-1.55,-0.21,1.21
 1M5I,ARG_187,12.67,-0.29,0.09,0.36
 2ZOM,TYR_300,12.89,-0.13,0.3,0.2
 1TP6,ARG_17,13.25,-0.48,0.74,0.49
 2G9D,ARG_179,12.98,-0.28,0.35,0.41
 3EVZ,GLU_125,4.4,0.2,0,-0.29
 1TLV,HIS_207,4.85,-0.89,0,-0.76
 3L3P,GLU_338,4.73,0.2,0,0.03
 2FPN,TYR_180,10,0,-0.07,0.07
 3BQW,ASP_323,3.86,0,0,0.06
 3P28,ASP_162,2,-1.66,-0.58,0.44
 3H13,CYS_259,11.02,-0.73,0.21,2.54
 3IVF,ASP_372,3.85,0,-0.05,0.1
 3UAH,CYS_470,10.62,0,0.16,1.46
 1V43,LYS_36,10.33,-0.17,0,1.39E-17
 2I6I,TYR_110,11.58,0,0.1,1.49
 1R16,TYR_193,12.98,0.0,18,2.8
 3ON1,CYS_56,11.01,-0.02,0.2,0.3
 4EZB,ARG_280,13,-0.34,0.12,0.71
 2OEW,CYS_90,9.06,0,-0.13,0.18
 2E3S,LYS_550,10.1,-0.39,0,0
 3MEW,TYR_238,10.72,0.0,4,0.33
 2EFK,HIS_203,6.27,-0.29,0,0.06
 4FH3,LYS_288,11.23,-0.45,0.32,0.86
 3FK5,ASP_41,3.3,-1.3,-0.13,0.93
 1TXD,GLU_794,4.95,0.54,0,-0.09
 2IXM,ARG_193,12.94,-2.61,0.5,2.55
 100X,TYR_171,11.46,0.0,15,1.31
 3D9H,GLU_188,4.29,0.37,-0.11,-0.46
 3I47,ARG_39,12.35,-0.35,0,0.2
 1WXQ,GLU_179,4.72,0.33,0,-0.11
 1SQH,LYS_136,11.33,-0.8,0.85,0.78
 3F5D,TYR_123,10.11,0,0.04,0.07
 1P4X,HIS_244,5.59,-1.71,0.85,-0.05
 2IDC,CYS_99,13.64,-0.09,0.1,4.63
 2B6P,GLU_244,4.84,0.22,0,0.12
 1L2F,TYR_130,9.14,-1.42,-0.38,0.94
 3L7N,GLU_122,4.45,0.18,0,-0.23
 2B2H,ASP_364,3.61,-0.82,-0.06,0.7
 2Q13,LYS_66,10.28,-0.16,0,-0.06
 1X8F,TYR_69,11.09,0.0,0.09,1
 2ZQ5,GLU_170,4.42,0.97,-0.78,-0.26
 2QEV,LYS_95,11.03,-1.08,0.6,1.01
 3BCH,LYS_40,10.46,-0.2,0.0,0.15
 3ZTA,ARG_95,12.38,-0.12,0,0
 2XJ4,LYS_63,10.32,-0.15,0,-0.03
 2P6S,ARG_177,11.92,-0.46,0,-0.12
 1LFP,LYS_247,10.58,-0.22,0,0.3
 3RE9,ARG_229,11.98,-0.73,0,0.21
 4AM1,LYS_354,10.13,-0.26,0,-0.12
 1L2H,ARG_11,11.81,-0.7,0,0.01
 3AUF,TYR_5,10.1,0,0,0.1
 2AXO,LYS_155,10.61,-0.14,0,0.24
 3BQE,HIS_248,4.87,-1.92,0.35,-0.06
 1Z3X,GLU_141,4.86,0.37,0,-0.02
 1GXN,ARG_588,12.44,-0.21,0,0.15
 3DHN,GLU_23,3.54,1.22,-1.46,-0.72
 3O16,ARG_71,12.63,-0.86,0.52,0.47
 4E6S,GLU_50,4.21,0.35,-0.72,0.07
 2D0A,ARG_212,12.5,-0.2,0,0.2
 2RFA,GLU_116,3.89,0.24,-0.8,-0.05
 3QKY,GLU_95,4.49,0.33,0,-0.34
 3JSN,TYR_23,10.66,0,-0.03,0.69
 3LH5,CYS_744,9.96,-0.06,-0.3,1.33
 1X8F,GLU_239,5.59,3.34,-0.6,-1.65
 2RFA,ARG_75,12.14,-0.88,0.15,0.36
 3RKV,TYR_253,10.95,-0.47,0.16,1.26
 3DZ1,LYS_232,10.09,-0.7,0,0.29
 2HP7,GLU_81,4.97,0.19,0,0.28
 3JV1,GLU_140,5.11,0.18,0,0.43
 4ECC,ASP_134,3.73,-0.32,-0.05,0.31
 1TXJ,LYS_84,10.3,-0.31,0,0.11
 2G5X,LYS_150,10.21,-0.29,0,0
 1MTZ,LYS_194,10.99,-0.49,0.36,0.63
 2VGM,TYR_80,9.29,-1.14,-0.16,0.59
 3O48,LYS_63,10.5,-0.09,0,0.1
 2E3H,TYR_269,10.41,0.0,0.09,0.3
 3M7D,ARG_112,11.73,-0.96,0.08,0.11
 1X6J,GLU_19,4.03,0.3,-0.68,-0.09
 2WOZ,CYS_461,9.79,-0.4,-0.15,1.33
 3O47,LYS_48,10.22,-0.33,0,0.05
 3QAV,CYS_18,11.36,-1.66,0,4.02
 2PGE,CYS_180,12.31,0.56,-0.35,3.1
 4FCU,GLU_56,4.63,0.24,0,-0.11
 2E3H,GLU_248,4.82,0.2,0,0.12
 2PWQ,ASP_89,3.21,-0.63,-0.17,0.22
 3G6S,ARG_84,13.32,-0.79,0.1,1.51
 1R15,ARG_210,12.83,-0.22,0,0.55
 1OXZ,GLU_246,4.71,0.59,0,-0.37
 2ZOM,HIS_75,5.52,-1.14,0,0.16
 3NJM,ASP_116,3.89,-0.02,-0.22,0.33
 1QQE,GLU_258,4.86,0.2,0,0.15
 2GAU,GLU_23,4.54,0.22,0,-0.18
 1QQL,GLU_82,3.85,0.6,-0.85,-0.41
 4EVF,ASP_6,4,0,-0.07,0.28
 3DZ1,ASP_131,4.12,0.0,0.04,0.28
 3B79,ARG_89,12.49,-0.16,0,0.16
 2WOG,GLU_156,3.55,0.35,-0.85,-0.45
 2H2W,HIS_234,10.04,-3.14,2.45,4.21
 3O47,GLU_476,4.79,0.19,0,0.11
 1UW7,ARG_10,12.44,-0.26,0.06,0.14
 1NIJ,LYS_159,11.29,-0.52,0.81,0.5
 1LPL,ARG_140,4.51,0.23,0,-0.22
 3RFY,ARG_145,12.51,-0.19,0,0.19
 3V46,HIS_353,6.88,-0.44,0.82,0
 3P51,GLU_78,4.09,0.25,-0.7,0.03
 3EUR,ARG_3,12.37,-0.13,0,0
 2YLF,HIS_232,6.17,-0.36,0,0.03
 3EVN,GLU_282,9.37,1,-0.31,1.12
 3G0Z,LYS_270,10.71,-0.11,0,0.32
 1MHN,ASP_105,2.43,-2.06,0,0.68
 1E59,GLU_111,3.92,0.32,-0.69,-0.2
 2WOZ,ASP_574,3.88,0,-0.06,0.14
 1RAJ,GLU_227,4,0.18,-0.32,-0.36
 3HVM,ARG_83,11.69,-3.76,0.2,95
 1R16,ASP_129,3.57,-0.32,-0.22,0.32
 3DSH,ARG_313,12.35,-0.74,0.18,0.41
 1UAJ,GLU_225,4.81,0.19,0,0.12
 3MIX,CYS_636,12.96,0.0,95,3
 1V6T,TYR_95,10.04,0,-0.22,0.25
 1V6T,TYR_253,12.78,0.58,0.14,2.08
 1Y1B,TYR_247,11.83,0.83,0.55,0.44
 2JKF,ASP_60,3.26,-0.85,0,0.31
 1SQW,GLU_6,4.63,0.11,0,0.01
 1DOV,GLU_183,3.69,0.41,-0.84,-0.39
 2AD1,ASP_217,4.11,-0.1,0.12,0.29
 1KN3,GLU_172,4.76,0.27,0,-0.01
 2X4G,ARG_60,11.66,-1.18,0.31,0.03
 1G8P,ARG_145,11.8,-1.19,0.18,0.3
 3NBI,LYS_188,10.21,-0.29,0,0
 1JKS,LYS_258,10.53,-0.3,0,0.33
 1JSX,TYR_180,10.96,0,0.1,0.86
 3JSN,ASP_76,3.47,-0.5,-0.54,0.71
 4DBX,TYR_264,11.58,0.89,0.69
 2P5D,GLU_138,4.46,0.26,0,-0.3
 3Q9P,GLU_108,4.57,0.21,0,-0.14
 3EZ7,CYS_303,9.48,-0.37,-0.04,0.9
 4ACJ,TYR_734,11.43,0.15,0.4,0.87
 1DVO,ARG_121,12,-0.31,0,-0.19
 1PV5,GLU_117,4.58,0.08,0,0
 2HRZ,ARG_175,13.17,-0.25,0.59,0.33
 3LJC,TYR_195,11.1,0.27,0.4,0.43
 2AD1,GLU_57,5.31,0.76,0,0.05
 3O48,LYS_97,11.45,-0.27,0.72,0.5
 3M66,ASP_151,3.98,0,0.05,0.14
 3G6S,ARG_165,12.13,-0.38,0,0.02
 3B21,ARG_121,13.59,-0.96,1.62,0.44
 1WRU,ARG_242,12.29,-0.21,0,0
 3EVN,LYS_58,10.97,-0.11,0,0.59
 2YT4,GLU_642,4.84,0.29,0.12,-0.08
 3ODJ,GLU_81,2.6,1.37,-3.18,-0.1
 1VJG,TYR_48,10.22,0,-0.15,0.37
 4ESS,ASP_10,2.25,-1.66,-0.42,0.54
 2OKT,GLU_274,5.43,3.44,-1.7,-0.8
 3OKQ,LYS_608,10.42,-0.2,0.12
 3P28,LYS_237,12.18,-0.58,1.65,0.61
 157K,ASP_179,3.86,0,0,0.06
 2FZ4,ASP_63,3.8,0,-0.74,0.74
 2Z61,TYR_350,13.45,-0.36,-0.26,4.07
 3UAH,TYR_423,12.88,0.85,0.59,1.44
 3OKQ,LYS_18,3.54,-0.58,-0.3,0.62
 1D2K,TYR_276,13.38,-0.85,0.23,4
 1ILW,HIS_58,5.54,-1.84,0.8,0.08
 3RRQ,ARG_147,12.59,-0.21,0,0.3
 1WYC,ASP_24,3.99,0,0,0.19
 3CNU,HIS_58,6.23,-0.48,0,0.21
 2OSA,ARG_290,12.42,-0.49,0,0.41
 2BV9,TYR_121,10.26,0,0,0.26
 2OHT,LYS_187,11.39,-0.4,0.76,0.53
 1TD6,HIS_11,5.66,-1.11,0.05,0.21
 3DB9,ARG_156,12.14,-0.44,0,0.08
 15UU,LYS_694,10.4,-0.11,0,0.01
 3ZTA,ARG_112,12.26,-0.24,0,0
 2O4D,ARG_60,13.88,-0.34,1.35,0.38
 2OSA,LYS_409,10.54,-0.06,0,0.09
 2G9D,ARG_7,12.38,-0.27,0,0.14
 2F9F,ASP_83,1.37,-2.28,-0.92,0.77
 1CHD,ASP_329,2.38,-1.8,-0.04,0.42
 1P2F,ARG_203,13.93,-0.34,0.75,1.02
 2F19,ARG_34,12.19,-0.31,0,0
 3N0K,GLU_69,4.59,0.11,0,-0.02
 4GA2,ASP_95,2.63,-1.5,-0.51,0.84
 2GAU,TYR_58,10.37,0.0,12,0.26
 157K,ASP_126,3.11,-1.29,-0.79,1.38
 3EAZ,LYS_125,10.67,-0.14,0,0.31
 1OIS,GLU_183,5.2,1.8,-0.61,-0.49
 1OTM,GLU_36,4.35,0.13,0,-0.28
 1WRU,ARG_176,12.98,-0.85,0.81,0.52
 2Q99,HIS_214,6.92,-0.59,0.85,0.15
 3FK5,ASP_45,4.17,0.0,11,0.25
 2C2Y,ARG_129,12.22,-0.34,0,0.05
 3KT9,ARG_9,13.66,-1.1,1.18,1.09
 3DHN,LYS_52,10.49,-0.14,0,0.13
 1BKR,HIS_73,6.16,-0.35,0.07,-0.06
 3H9W,LYS_23,10.13,-0.4,0,0.02
 2HXB,LYS_83,10.05,-0.6,0.0,0.14
 2Z61,ARG_286,13.56,-1.47,1.21,1.32
 1DVO,GLU_75,4.19,0.3,-0.63,0.02
 4ECC,GLU_197,3.54,1.44,-1.59,-0.82
 1UOH,ARG_85,11.97,-0.62,0,0.09
 2P0L,LYS_17,11.03,-0.5,0.47,0.56
 1LFP,HIS_6,7.02,-1.22,1.45,0.29
 1YLN,TYR_83,10.26,-0.1,0.22,0.14
 2FXT,LYS_381,10.42,-0.08,0,0
 2AZP,ARG_140,12.19,-0.46,0,0.15
 2RFA,ASP_223,3.63,-0.87,-0.24,0.94
 3LH5,HIS_703,5.06,-2.17,0.78,-0.05
 1YW5,LYS_43,10.59,-0.19,0,0.28
 3ERF,ARG_173,12.11,-0.63,0.24
 1D2K,ARG_190,12.69,-1.8,0.57,1.42

2QZQ,ASP_65,3.59,-0.85,-0.48,1.11
 1EV8,GLU_82,4.74,0.27,0,-0.03
 1CHD,HIS_265,6.21,-0.96,0.23,0.44
 2OYZ,HIS_21,6.37,-0.13,0,0
 3OBS,TYR_113,10.93,-0.77,0.53,1.17
 2VIL,ARG_117,12.62,-0.09,0,0.21
 4DNU,GLU_53,4.98,0.2,0.0,0.29
 1W7B,GLU_82,4.8,0.3,0,0
 2CBE,HIS_64,4,-2.1,0,-0.4
 3ASA,HIS_195,6.97,-0.5,0.81,0.17
 3U4K,ASP_59,2.93,-0.93,-0.24,0.3
 1ANU,ASP_71,3.9,-0.01,-0.02,0.14
 2YYO,ASP_117,3.98,0,-0.08,0.26
 2WOG,TYR_155,9.13,-0.85,-0.4,0.38
 2FPN,ASP_175,3.7,-0.23,-0.08,0.21
 1QSZ,GLU_554,3.58,0.59,-0.85,-0.66
 4E9E,LYS_539,11.64,-0.71,1.07,0.78
 4H89,ARG_120,12.43,-0.11,0,0.03
 1RSS,LYS_136,11.23,-0.29,0.82,0.2
 2WB8,GLU_640,6.6,5.01,-3.11,0.2
 2Q5X,LYS_791,10.03,-0.47,0,0
 2RIK,GLU_209,3.76,0.42,-0.85,-0.31
 2I88,LYS_433,11.39,-0.34,0.85,0.38
 3EVP,ASP_234,3.4,-0.22,-0.45,0.26
 1JB3,CYS_74,8.72,-0.45,-0.02,0.18
 2F4Q,GLU_16,4.59,0.31,0,-0.22
 3H04,LYS_44,10.41,-0.27,0,0.17
 2J8A,LYS_312,10.54,-0.07,0,0.12
 1PGV,GLU_325,3.35,0.73,-1.18,-0.7
 2I6I,HIS_64,6.04,-1.84,1.25,0.14
 2IRM,HIS_121,6.21,-0.29,0,0
 3E5T,ARG_179,12.56,-0.37,0.12,0.31
 1XKR,LYS_85,10.26,-0.36,0,0.12
 1GPP,LYS_39,10.29,-0.26,0,0.05
 3LPZ,ASP_123,3.36,-0.39,-0.24,0.2
 1XDZ,GLU_206,3.56,0.5,-0.74,-0.7
 1O17,GLU_130,3.57,0.43,-0.89,-0.47
 1RL0,ASP_230,2.92,-1.22,-0.08,0.42
 3F6M,LYS_11,10.5,-0.12,0,0.13
 1T07,HIS_45,5.96,-0.66,0,0.12
 3H5T,GLU_234,4.6,0,1,0,0
 4DBX,GLU_152,4.72,0.31,0,-0.09
 3GMS,HIS_2,6.83,-0.34,0.66,0.01
 3C38,TYR_133,12.17,0,0.83,1.34
 1I60,HIS_179,5.57,-1.23,0,0.31
 3NOK,LYS_83,10.27,-0.58,0,0.35
 4ETX,HIS_302,6.62,-2.84,0.85,2.11
 2OEW,ARG_290,12.59,-0.26,0,0.34
 3F8R,GLU_84,4.53,0.31,0,-0.27
 2R5I,LYS_34,11.47,-0.25,0.64,0.58
 2JEO,ASP_207,3.58,-0.75,-0.28,0.81
 2B0J,HIS_340,7.17,-0.25,0.8,0.14
 2GEN,CYS_150,9.41,-0.02,0.11,0.32
 1SJ8,ASP_525,3.54,-0.46,-0.06,0.26
 1KCM,CYS_192,13.12,-0.05,0.42,3.75
 3VHJ,TYR_137,10.6,-0.07,-0.31,0.98
 2BLL,TYR_344,10.42,-0.34,-0.17,0.92
 2IQT,LYS_293,10.13,-0.53,0,0.17
 3LJC,GLU_139,4.59,0.3,0,-0.21
 3F5D,ASP_40,4.48,0.0,14,0.55
 2Q12,GLU_131,4.72,0.33,0,-0.11
 3H13,ARG_472,13.73,-0.37,0.72,0.88
 3EVZ,LYS_209,10.7,-0.11,0,0.31
 2OEW,TYR_258,11.3,0.0,0.08,1.22
 2P5D,GLU_135,4.79,0.43,0,-0.13
 1X04,GLU_37,5.39,0.81,0,0.07
 3L3P,LYS_315,10.36,-0.21,0,0.08
 3BA1,TYR_125,10.63,0.0,0.08,0.56
 3MTT,ASP_461,4.08,0,-0.04,0.32
 1FO9,LYS_186,10.12,-0.36,0,-0.03
 3DSH,ASP_439,2.87,-1.36,0,0.43
 1JB3,GLU_119,4.56,0.28,0,-0.22
 2OPJ,ARG_281,12.46,-0.13,0,0.09
 1SNT,ASP_358,3.84,0,-0.22,0.26
 2QK1,LYS_552,10.2,-0.22,0,-0.08
 1TXJ,ASP_11,3.07,-2.01,-0.01,1.29
 2F19,GLU_86,3.86,0.24,-0.81,-0.07
 1TR9,ARG_310,12.44,-0.2,0,0.14
 2NRR,LYS_414,10.95,-0.47,0.85,0.07
 2G55,ARG_112,12.2,-0.3,0,0
 1R7J,GLU_64,4.37,0.27,0,-0.4
 2INO,ARG_18,13.11,-0.19,0.13,0.67
 1EDG,HIS_254,7.09,-3.29,0.85,3.03
 3RE9,LYS_89,10.63,-0.1,0,0.24
 1OXZ,ARG_207,12.5,-0.23,0,0.22
 3UAH,LYS_242,10.25,-0.23,0,-0.02
 1TR9,ARG_55,11.28,-1.22,0,0
 1U7U,ARG_399,13.27,-1.1,0.9,0.95
 3ETV,ASP_173,3.32,-0.84,-0.36,0.73
 3VJ8,HIS_173,5.77,-1.34,0.84,-0.22
 3VJ8,ARG_66,12.33,-0.48,0,0.3
 2DVK,TYR_62,11.48,0.71,0.21,0.56
 1O3X,GLU_219,4.7,0.2,0,0
 2DFL,GLU_309,4.23,0.79,-0.6,-0.45
 1RL0,TYR_4,9.91,-0.75,-0.02,0.69
 1Y2Q,HIS_130,6.19,-0.27,0,-0.03
 3ZTA,GLU_132,4.59,0.22,0,-0.13
 3M70,LYS_101,9.42,-1.26,0,0.19
 2AHE,LYS_60,10.48,-0.22,0,0.19
 2P1W,ASP_57,3.94,0.0,0.14
 3FWU,TYR_68,12.23,-0.06,0.25,2.04
 1AK1,LYS_127,10.65,-0.15,0,0.29
 1PSW,LYS_125,10.24,-0.12,0,-0.14
 2ATR,ASP_51,3.89,0,-0.01,0.1
 1Q46,GLU_158,4.6,0.1,0,0
 3ZTA,ASP_88,4.33,0,-0.28,0.82
 2D7U,ARG_258,12.51,-1.38,0.35,1.04
 1YDL,GLU_59,4.48,0.25,0,-0.27
 3EVN,TYR_242,10.39,0,-0.08,0.48
 1RL0,LYS_162,10.39,-0.24,0,0.12
 2QK1,HIS_544,6.38,-0.14,0,0.03
 350A,LYS_27,11.81,-0.3,0.85,0.77
 3V55,TYR_417,10.66,0.0,16,0.5
 1SNT,HIS_210,7.13,-0.29,0.67,0.24
 1Z3X,LYS_185,10.49,-0.16,0,0.15
 1S17,ASP_187,2.74,-1.18,-0.32,0.45
 2EFK,ARG_143,12.26,-0.3,0,0.06
 1NAF,LYS_176,10.41,-0.09,0,0
 1O5T,LYS_111,10.27,-0.72,0.05,0.45
 2NMU,GLU_79,4.73,2.13,-1.25,-0.64
 3U0V,CYS_128,11.81,-0.12,-0.54,3.45
 1O3X,TYR_294,11.03,0,0.13,0.9
 3P5I,ARG_20,13.61,-0.71,1.13,0.69
 3IUS,GLU_150,4.67,0.24,0,-0.07
 1R7J,LYS_62,10.32,-0.33,0,0.16
 2C2Y,HIS_147,5.03,-1.38,0,-0.09
 3HUE,GLU_303,4.75,0.24,0,0.01
 4FH3,LYS_42,10.55,-0.06,0,0.1
 2A4D,LYS_192,10.98,-0.45,0.46,0.48
 2B61,GLU_320,3.72,0.45,-0.85,-0.38
 1A8Q,GLU_206,3.61,0.34,-0.85,-0.37
 3EYE,LYS_153,10.21,-0.44,0,0.15
 4GA2,LYS_61,10.49,-0.11,0,0.1
 2ZQ5,ASP_316,4.49,0.25,-0.17,0.62
 1WXQ,ASP_123,3.73,0,-0.23,0.16
 3EIZ,HIS_111,5.85,-0.87,0.04,0.18
 1BK8,LYS_39,10.36,-0.14,0,0
 2BQQ,ARG_78,12.45,-0.05,0,0
 2P52,HIS_175,6.31,-0.18,0.08,-0.09
 1WXQ,LYS_155,10.85,-0.16,0.24,0.28
 1RL0,LYS_195,10.28,-0.25,0,0.03
 2DG7,ARG_52,13.05,-0.49,0,1.05
 1XFK,ARG_62,11.9,-0.6,0,0
 3GV0,GLU_134,5.43,0.95,0,-0.02
 2POY,GLU_218,4.61,0.17,0,-0.06
 3Q1C,ARG_138,12.03,-1.05,0.32,0.25
 3Q1C,GLU_357,4.42,0.45,-0.02,-0.51
 3ELI,LYS_75,10.17,-0.33,0,0
 2IXM,LYS_27,10.61,-0.15,0,0.26
 1H4U,GLU_563,4.53,0.19,0,-0.17
 3V4G,ARG_57,10.64,-2.57,0,0.7
 2F8H,HIS_206,5.77,-0.73,0,0
 3CS1,ARG_50,12.03,-2.09,0.62,0.99
 1TJE,ASP_116,2.01,-2.05,-0.38,0.64
 3K8U,TYR_33,10.03,-0.3,0,0.33
 1O0X,TYR_109,10.69,0,0.02,0.67
 2POY,HIS_129,5.98,-0.59,0,0.07
 3GCY,GLU_382,3.07,0.81,-1.86,-0.38
 2POL,ARG_80,13.02,-0.4,0.44,0.49
 3G9G,GLU_189,4.58,1.06,-0.76,-0.23
 2OEW,TYR_233,10.1,0,0,0.1
 4GA2,TYR_42,10.18,0,-0.24,0.41
 1R6Y,TYR_84,12.56,0,0.06,2.5
 2YLF,LYS_201,10.27,-0.18,0,-0.05
 1BN6,ASP_198,3.33,-0.49,-0.33,0.35
 1J33,ARG_211,12.14,-1.43,0.7,0.37
 3L3P,LYS_350,9.72,-0.83,0,0.04
 2P4D,HIS_143,5.4,-1.03,0,-0.07
 1Y0K,LYS_63,10.51,-0.33,0,0.34
 2R2Y,ARG_84,12.6,-0.3,0,0.39
 1FKM,LYS_431,10.46,-0.42,0,0.38
 3E27,TYR_38,10.88,0,-0.05,0.92
 1NAR,HIS_34,1.67,-2.88,0,-1.95
 3K8U,ARG_93,12.61,-0.63,0,0.73
 2NRK,GLU_61,4.73,0.12,0,0.11
 1BK8,LYS_47,10.14,-0.38,0,0.02
 1RHS,LYS_66,10.62,-0.24,0,0.36
 3ETV,LYS_316,10.25,-0.49,0,0.24
 2B02,ASP_377,1.68,-2.98,-0.6,1.45
 2ZCX,ASP_222,4.05,0,-0.02,0.27
 3HVM,ARG_267,13.05,-1.25,0.77,1.03
 1WRU,ARG_126,12.88,-0.2,0.08,0.5
 3OIP,TYR_27,11.84,0,0.27,1.57
 4E8B,GLU_63,4.24,0.28,-0.37,-0.16
 1U7U,HIS_370,6.71,-1.13,0.85,0.49
 3OKQ,LYS_660,10.38,-0.12,0,0
 1RHS,GLU_61,3.82,0.63,-0.78,-0.53
 1P2F,ARG_190,12.48,-0.24,0,0.21
 3Q6L,ASP_88,3.81,0,-0.16,0.17
 2RH3,CYS_192,10.26,-0.16,-0.26,1.68
 1MIX,ARG_358,13.88,-0.25,0.93,0.69
 2OJQ,LYS_690,11.32,-0.56,0.85,0.53
 2R2Y,ASP_54,2.15,-1.97,-0.17,0.5
 3CX2,GLU_165,3.61,0.2,-0.85,-0.25
 1AIL,ASP_34,2.88,-0.66,-0.63,0.38
 2DG7,GLU_99,4.44,0.25,-0.01,-0.3
 3EUR,ASP_77,3.92,0,-0.05,0.16
 3HKX,TYR_270,10.17,0,0.03,0.14
 2ZOM,ARG_102,12.7,-0.48,0.2,0.47
 3O16,GLU_226,4.61,0.22,0,-0.11
 3V4G,LYS_15,10.21,-0.27,0,-0.03
 4ECC,ASP_36,3.52,-0.47,-0.02,0.21
 3LH5,ARG_748,12.45,-0.32,0,0.26
 2CWY,ARG_52,12.19,-0.31,0,0
 1DZF,ARG_192,12.52,-0.1,0,0.12
 1KCM,LYS_202,10.64,-0.13,0,0.28
 1DCF,ARG_71,12.24,-0.26,0,0.01
 2H8O,ARG_89,10.86,-2.53,0,0.88
 2DVK,ARG_128,12.83,-0.32,0.08,0.58
 1LTU,GLU_184,8.93,3.85,0,0.58
 1WNH,ARG_48,12.75,-0.24,0.16,0.32
 2OSA,GLU_408,4.22,0.38,-0.51,-0.15
 3MTT,LYS_500,10.46,-0.05,0,0.02
 2F19,ASP_48,3.95,0,0.0,0.15
 1TLV,HIS_220,6.56,-0.3,0.02,0.34
 2XHC,GLU_20,4.6,0.34,0,-0.23
 2OGQ,ARG_456,12.5,-0.08,0,0.08
 1D2K,TYR_230,10.58,0,-0.05,0.63
 2VGM,TYR_138,10.27,0,0.07,0.21
 3LJC,TYR_116,10.5,0.0,24,0.26
 3FK5,LYS_316,11.68,-0.47,0.85,0.8
 3Q1C,TYR_367,13.49,-0.85,0.08,4.27
 1IDK,ASP_331,4.31,0,-0.12,0.63
 1JT9,TYR_86,10.64,0,0.24,0.4
 3LPZ,GLU_26,4.86,0.21,0,0.15
 3ZXQ,CYS_81,11,-1.17,0.15,3.02
 2PLY,GLU_246,11.87,0.0,44,2.43
 2ZCX,ARG_193,12.28,-0.3,0,0.08
 3VJ8,GLU_123,4.6,0.42,0,-0.32
 3JZ9,ARG_453,12.43,-0.07,0,0
 1T6L,ASP_72,2.4,-1.63,-0.1,0.33
 1PBV,TYR_114,12.09,0,0.07,2.03
 1N81,HIS_22,6.43,-0.27,0.15,0.05
 4F85,ARG_116,12.08,-0.49,0,0.08
 3L3P,ARG_306,12.25,-0.35,0,0.09
 1Q46,ASP_163,4.05,0,0,0.25
 3N2T,LYS_200,10.39,-0.17,0,0.06
 1XTZ,HIS_260,6.62,-0.31,0.19,0.23
 2H85,LYS_204,10.47,-0.11,0,0.08
 3EVN,HIS_93,5.14,-1.7,0.2,0.14
 2P1W,HIS_88,5.72,-1.1,0.85,-0.53
 4DIU,GLU_151,2.15,0.62,-2.14,-0.83
 2RFA,GLU_113,4.6,0.11,0,-0.01
 4EKU,HIS_358,6.21,-0.37,0,0.09
 1W7B,ARG_284,12.23,-0.39,0,0.13
 1EQ6,GLU_190,4.35,0.25,-0.4,0
 3NR5,TYR_121,12.5,0.0,61,1.89
 3UPD,ARG_248,12.63,-1.01,0.25,0.88
 1N81,LYS_37,10.33,-0.29,0,0.12
 2CL3,TYR_208,12.26,0.85,0.42,0.99
 2F8H,HIS_0.6,1.4,-0.21,0.01,-0.16
 3BCH,ARG_205,12.41,-0.18,0,0.09
 3ETV,GLU_57,4.73,0.43,0,-0.19
 2YX0,ARG_184,11.79,-1.81,0.32,0.77
 3CAX,LYS_285,11.16,-0.96,0.85,0.76
 3F6F,ASP_27,2.72,-0.85,-0.46,0.24
 2QK1,LYS_549,10.5,-0.68,0.48,0.2
 3U2R,ARG_78,12.5,-0.08,0,0.07
 3H6Q,ASP_72,1.37,-2.44,-0.52,0.52
 1SQW,TYR_45,11.14,0,0.23,0.91
 2RJD,GLU_209,4.62,0.12,0,0
 2H14,LYS_162,10.38,-0.12,0,0
 1OLR,ARG_217,12.53,-0.19,0,0.21
 3U0V,HIS_90,6.15,-0.79,0.1,0.34
 3IL3,GLU_195,4.69,0.19,0,0
 2DVK,ARG_30,12.57,-0.1,0,0.18
 3R87,HIS_37,6.13,-0.49,0,0.11
 3G6S,TYR_78,11.52,0.07,1.45
 1Q5Z,GLU_616,4.65,0.1,0,0.05
 3ULX,ARG_76,12.37,-0.7,0,0.56
 2QVT,HIS_129,3.84,-2.14,0,-0.52
 1EDG,ASP_188,3.91,0,-0.18,0.29
 3LJC,TYR_195,11.18,0,0.02,1.16
 1J7G,ASP_57,2.64,-1.77,0,0.62
 1NIJ,GLU_27,4.44,0.32,0,-0.38
 2P5D,LYS_22,10.71,-0.17,0.08,0.3

1SNT,ASP_60,3.16,-1.06,-0.02,0.45
 4HDE,LYS_58,10.55,-0.24,0,0.29
 2I6I,HIS_95,3.85,-3.31,0.85,-0.19
 3HUE,LYS_94,11.04,-0.24,0.27,0.51
 1S17,ARG_299,8.54,-3.53,0,-0.43
 2HRZ,ARG_294,12.54,-0.08,0,0.12
 3CIV,LYS_276,9.53,-1.12,0,0.16
 3RKV,ASP_294,3.83,0,-0.16,0.19
 1QQE,LYS_13,10.43,-0.1,0,0.03
 3QAV,LYS_135,10.51,-0.57,0.08,0.49
 3BB7,ARG_149,12.07,-0.43,0,0
 3IV4,ASP_9,3.95,0,0.01,0.15
 3ULX,ASP_158,4.3,0,0.17,0.33
 3GYW,TYR_276,10.5,-0.42,-0.1,1.03
 1YTD,GLU_275,3.99,1.43,-1.51,-0.45
 3VJ8,TYR_73,12.69,0,0.17,2.52
 1YM5,ASP_65,4.12,-0.72,0,1.04
 3O16,TYR_154,10.82,0,0.02,0
 3LJC,ARG_192,10.77,-1.72,0,-1.11E-16
 2H85,ARG_61,11.59,-1.75,0.36,0.48
 1R7J,ASP_81,3.91,0,-0.19,0.3
 1MD6,GLU_80,4.78,0.43,0,-0.14
 2E3C,HIS_432,4.27,-1.76,0,-0.48
 2J8A,CYS_326,10.43,-0.86,-0.02,2.32
 1MUF,TYR_110,10.7,-0.48,0.14,1.03
 2GZR,ARG_296,11.95,-0.9,0.01,0.34
 2P52,TYR_202,11.8,-0.8,0.27,2.32
 3H6Q,ARG_95,12.46,-0.45,0,0.41
 3DZ1,ASP_132,2.37,-1.28,-0.57,0.42
 2O8P,GLU_22,3.79,0.57,-0.85,-0.43
 3G53,ASP_164,4.19,0.04,0.35
 3RJX,LYS_33,10.43,-0.2,0,0.14
 2R2Y,GLU_111,3.53,0.98,-1.15,-0.8
 2X4G,CYS_112,12.68,-0.02,0.3,7
 3GFP,GLU_314,4.42,0.22,0,-0.3
 1WYC,GLU_228,7.85,4.86,-1.61,0.1
 3ASA,LYS_375,10.84,-0.22,0,0.56
 2GAU,ARG_143,12.41,-0.28,0,0.2
 1MTZ,LYS_11,10.62,-0.11,0,0.24
 2H85,GLU_56,4.68,2.05,-1.19,-0.67
 2Q99,LYS_229,10.61,-0.11,0,0.22
 2H30,ARG_170,12.29,-0.21,0,0
 1YM5,LYS_243,10.44,-0.39,0.07,0.26
 1PSW,GLU_347,4.75,0.23,0,0.02
 2P1W,TYR_158,9.54,-0.64,-1.28,1.45
 2AH5,LYS_177,9.94,-0.78,0,0.22
 2OEW,LYS_334,11.12,-0.43,0.56,0.49
 1KCM,LYS_31,10.42,-0.14,0,0.06
 1UCH,LYS_61,10.6,-0.21,0,0.31
 4ETX,GLU_173,4.76,0.26,0,0
 3FHF,GLU_35,3.12,0.4,-1.57,-0.19
 3JZ9,LYS_476,10.31,-0.37,0,0.19
 3U2R,GLU_125,4.53,0.25,0,-0.23
 1EV8,TYR_252,11.64,0,-0.14,1.78
 1LN4,LYS_92,10.66,-0.31,0,0.46
 1N81,ARG_74,12.69,-0.65,0.46,0.37
 1PVT,GLU_22,4.63,0.15,0,-0.01
 3ADO,GLU_69,2.98,0.34,-1.59,-0.28
 1R15,LYS_42,10.43,-0.07,0,0
 3AU3,ARG_399,12.73,-0.17,0,0.4
 4ANN,GLU_173,4.96,0.23,0,0.22
 1YB2,ASP_234,3.78,0,-0.46,0.44
 1RZ2,LYS_69,10.58,-0.19,0,0.27
 1DZF,ARG_162,12.53,-0.09,0,0.12
 2R2Y,ASP_78,3.83,0,-0.15,0.18
 2CE6,ARG_67,12.83,-0.57,0.07,0.82
 1RAJ,ARG_456,12.28,-0.28,0,0.08
 2P52,LYS_232,10.91,-0.93,0.85,0.48
 1ZBP,LYS_25,10.44,-0.11,0,0.06
 2QV2,LYS_142,10.45,-0.05,0,0
 2RJD,GLU_213,4.64,0.14,0,0
 1J33,ARG_202,12.47,-0.37,0,0.34
 1BYI,LYS_148,11.4,-0.54,0.79,0.65
 4GCC,TYR_159,10.1,-0.03,-0.27,0.41
 3DSH,GLU_391,4.83,1.62,-0.83,-0.46
 1MUF,ASP_259,4.24,-0.17,0,0.61
 2CBE,HIS_122,3.6,-3.48,0.58,0
 2FPN,LYS_70,10.45,-0.05,0,0
 4E65,HIS_36,5.38,-0.49,0,-0.62
 1O59,ARG_270,13.07,-0.26,0.47,0.36
 1EQ6,HIS_107,5.98,-1.92,0.85,0.55
 3AU3,CYS_417,12.1,0.06,2,5
 3UPD,LYS_271,9.8,-0.74,0,0.05
 2B61,ASP_353,3.28,-0.85,-0.46,0.8
 2FPN,GLU_96,4.78,1.08,0,-0.8
 3ADO,TYR_151,12.1,-0.77,0.02,2.85
 1CBY,HIS_163,6.41,-0.14,0.01,0.05
 2JEO,ASP_90,3.59,0,-0.52,0.31
 1NJ4,LYS_339,10.45,-0.09,0,0.04
 1MD6,LYS_37,10.46,-0.05,0,0.01
 2P4D,TYR_39,10.51,0.09,0.42
 3UPD,CYS_203,11.62,-0.01,-0.07,2.7
 1XDZ,ARG_151,12.34,-0.33,0,0.17
 1YTD,LYS_383,10.35,-0.15,0,0.01
 3IOC,HIS_233,4.28,-2.22,0,0
 2OBI,TYR_153,13.84,0.85,0.72,2.27
 1OIS,LYS_149,9.88,-0.8,0,0.19
 3C2E,TYR_4,10.54,0.06,0.48
 3L0D,ASP_6,3.73,-0.13,-0.4,0.45
 3F6F,TYR_99,10.16,0.01,0.15
 1MD6,TYR_19,11.94,0.82,0.39,0.74
 2V81,ARG_96,13.56,-0.38,0.52,0.91
 1TWU,GLU_105,3.93,0.59,-0.77,-0.39
 2O0K,LYS_83,10.32,-0.21,0,0.02
 3H04,HIS_36,5.19,-3.03,0.63,1.09
 1TUL,ASP_26,3.3,-1.65,0.01,1.13
 1G5Z,CYS_129,10.22,-0.08,0.04,1.27
 2IXM,LYS_296,9.99,-0.45,0,-0.06
 3LJC,GLU_232,4.72,0.22,0,0
 3PU6,GLU_32,3.36,0.18,-0.69,-0.63
 3KB5,HIS_458,6.37,-0.54,0,0.43
 1PZC,LYS_77,10.08,-0.79,0,0.36
 1P4X,ARG_214,12.43,-0.07,0,0
 1ZBP,GLU_52,4.59,0.18,0,-0.08
 3O48,TYR_93,10.38,0,-0.34,0.73
 3O48,GLU_58,5.51,1.88,-0.35,-0.5
 1GXN,GLU_553,2.67,0.39,-1.61,-0.62
 2CXV,LYS_68,10.31,-0.34,0,0.15
 2FPN,LYS_26,10.41,-0.27,0,0.18
 1FKM,ASP_402,3.76,0,-0.31,0.27
 1RHS,LYS_292,10.48,-0.06,0,0.04
 3M70,GLU_4,4.22,0.16,0,-0.44
 2ZCO,LYS_221,11.51,-0.27,0.85,0.42
 2BAA,LYS_87,9.64,-0.86,0,0
 2C13,TYR_160,12.05,0.37,1.03,0.65
 2EEY,ASP_130,3.84,0,-0.22,0.26
 2INO,HIS_73,3.96,-2.51,0.53,-0.57
 2FD5,GLU_137,4.2,0.26,-0.37,-0.2
 1XFK,CYS_31,9.68,0,0.04,0.64
 1XIP,LYS_33,10.44,-0.08,0,0.03
 2G55,LYS_126,10.47,-0.18,0,0.15
 1W7B,LYS_308,11.34,-0.22,0.46,0.6
 1BYI,GLU_115,4.43,3.83,-1.78,-2.1
 1DVO,LYS_46,11.01,-0.19,0.7,0
 1AIL,HIS_59,5.94,-0.25,0,-0.31
 2Z14,GLU_25,4.75,0.25,0,0.01
 2F4Q,LYS_265,10.44,-0.16,0,0.09
 1GQE,HIS_265,5.91,-0.78,0,0.18
 3OOP,LYS_18,10.37,-0.13,0,0
 2Z14,GLU_24,3.59,0.36,-0.7,-0.57
 2ILR,GLU_443,4.36,0.17,0,-0.3
 3CQ1,GLU_16,4.9,0.35,0,0.04
 2OEW,ARG_51,12.55,-0.29,0,0.34
 1Q5Z,LYS_599,11.31,-0.23,0.5,0.55
 1KCM,LYS_219,9.97,-0.61,0,0.07
 3H04,TYR_178,9.77,-0.75,-0.06,0.58
 3CBN,TYR_96,10.39,0.03,-3.47E-17,0.37
 3FHF,LYS_100,10.32,-0.17,0,-0.01
 1QQH,TYR_169,12.32,-1.31,0.17,3.47
 3HYQ,ASP_43,3.98,0,0.18
 1SFE,HIS_70,7.3,-0.6,0.85,0.56
 2CWC,ARG_11,11.44,-2.01,0,0.94
 3L3P,GLU_439,3.56,0.45,-0.78,-0.61
 1RAJ,ASP_455,4.21,0.12,0.29
 1CHD,HIS_233,5.37,-1.61,0.74,-0.27
 3CS1,LYS_25,10.52,-0.09,0,0.11
 2Y4A,HIS_625,5.59,-0.77,0,-0.14
 3GMS,LYS_277,11.32,-0.48,0.85,0.45
 2FZ4,ARG_60,11.94,-0.74,0,0.18
 1YB2,GLU_96,6.67,2.98,-0.91,0.1
 3ON1,LYS_94,10.36,-0.13,0,-0.01
 3RJX,GLU_98,4.72,0.22,0,0
 3MEW,LYS_200,10.53,-0.12,0,0.15
 3R87,HIS_18,6.57,-0.12,0,0.18
 3IVF,LYS_272,10.47,-0.13,0,0.09
 2D7U,ARG_213,12.78,-0.46,0.31,0.44
 1X6J,GLU_39,4.15,0.57,-0.82,-0.09
 2JHY,TYR_149,11.01,0.04,0.97
 1K95,ASP_208,4.04,0.07,0.17
 3D9H,LYS_139,4.13,-2.84,0.8,-0.32
 3LJC,LYS_211,9.86,-0.26,0,-0.38
 4ETX,CYS_343,11.08,-0.82,0.27,2.63
 2Q07,ARG_439,12.69,-0.17,0,0.35
 4FZN,GLU_92,4.51,2.6,-1.87,-0.72
 1RZ2,LYS_100,10.42,-0.12,0,0.04
 3UPD,CYS_62,9.4,-0.18,-0.08,0.67
 3VJ8,ARG_367,12.46,-0.36,0,0.31
 1J74,LYS_133,10.02,-0.3,0,-0.18
 2O8I,ARG_24,13.81,-0.41,1.33,0.39
 1ZKZ,TYR_97,10.09,0,0.09
 1S17,ARG_71,12.31,-0.24,0,0.05
 1J33,ARG_119,12.79,-0.79,0.61,0.47
 1RZ2,GLU_201,3.54,0.39,-1.32,-0.03
 2WOZ,TYR_450,11.5,0,0,1.5
 2NMU,TYR_56,10.42,0,0,0.42
 2QVT,GLU_78,4.6,0.09,0,0.01
 1Y2Q,ARG_34,13.35,-0.4,0.6,0.65
 2ILR,GLU_449,4.52,0.85,-0.68,-0.15
 1Y2Q,LYS_90,10.39,-0.12,0,0.01
 1TWU,GLU_90,4.73,0.23,0,0
 3Q1C,ASP_165,3.06,-1.08,-0.01,0.35
 2ILR,GLU_427,4.53,0.07,0,-0.05
 3F53,HIS_115,6.29,-0.25,0,0.04
 1Y2Q,ARG_137,12.16,-0.49,0,0.15
 2OJQ,ARG_475,12.44,-0.06,0,0
 3O48,ARG_42,12.79,-0.81,0.68,0.41
 2I88,LYS_381,10.89,-0.89,0.85,0.43
 2Q13,LYS_153,10.43,-0.07,0,0
 1UXO,ASP_179,4.08,0,-0.09,0.37
 3M16,TYR_202,9.9,-0.85,0.08,0.67
 2W2S,GLU_134,4.57,0.83,-0.34,-0.43
 1Q5Z,LYS_601,12.32,-0.45,1.48,0.79
 2FGG,ARG_44,12.35,-0.19,0,0.05
 4AE7,TYR_55,10.11,0,-0.49,0.6
 3IVF,CYS_336,10.55,-0.42,0.56,1.42
 3IL3,GLU_258,4.35,0.23,0,-0.38
 3IOC,ARG_217,12.07,-0.69,0,0.26
 2QOP,LYS_39,10.45,-0.05,0,0
 3BPV,LYS_49,10.74,-0.34,0,0.58
 2WOZ,ARG_597,12.23,-0.37,0,0.1
 1KW4,LYS_79,10.73,-0.14,0,0.36
 1QQL,GLU_45,4.72,0.54,0,-0.32
 2D59,HIS_48,6.85,-0.56,0.76,0.16
 1R16,ARG_112,12.59,-0.24,0,0.33
 2ZQ5,ARG_344,12.32,-0.29,0,0.11
 3JZN,TYR_154,10.61,0,0.08,0.53
 2H2Z,ARG_105,12.85,-1.09,0.62,0.81
 3P28,LYS_53,11.36,-0.22,0.68,0.39
 1WPA,ARG_483,13.24,-0.26,0.53,0.48
 1AKO,ARG_12,12.21,-0.32,0,0.03
 1DUP,CYS_36,10.42,0.01,0.17,1.24
 3CBN,GLU_93,4.57,0.31,-0.1,-0.13
 3UPD,HIS_-20,5.69,-0.25,0,-0.55
 3JZN,ASP_431,3.21,-1.57,-0.31,1.28
 3UC9,ASP_63,3.84,0,-0.3,0.34
 2VAN,ASP_124,1.91,-2.23,-0.17,0.5
 2GKG,HIS_98,7.08,-0.3,0.84,0.04
 3ZXY,LYS_246,10.64,-0.37,0.01,0.49
 2Q13,GLU_165,4.93,0.39,-0.01,0.05
 2PPN,ASP_41,2.95,-0.8,-0.44,0.38
 2A6B,GLU_92,9.17,3.24,0.1,4.3
 1V8E,ASP_68,2.7,-1.5,-0.09,0.49
 3ZSL,TYR_221,12.04,-0.09,0.16,2.87
 3MTT,ARG_469,12.71,-0.28,0,0.49
 2B78,ASP_287,2.74,-1.58,-0.21,0.73
 3GE9,HIS_134,6.66,-0.23,0,0.38
 3LJI,HIS_272,5.97,-0.25,0,-0.28
 1MTZ,LYS_228,10.67,-0.15,0,0.32
 4EKU,GLU_124,4.79,0.35,0,-0.06
 2HNG,GLU_12,3.97,0.35,-0.81,-0.08
 4ANN,ASP_68,3.87,0,-0.11,0.19
 3MIX,ARG_487,12.2,-0.31,0,0
 1N81,GLU_167,4.96,1.83,-0.97,-0.41
 3CRM,GLU_235,4.58,3.13,-3.21,0.16
 1XIP,LYS_155,10.16,-0.2,0,-0.14
 4FLE,TYR_103,10.66,0.05,0.62
 3M70,GLU_165,3.11,1.67,-2.55,-0.52
 2D2S,GLU_589,4.69,0.42,0,-0.22
 1SQH,CYS_132,11.6,0.11,0.37,2.13
 3CO1,HIS_73,6.26,-0.47,0.58,-0.36
 3M3P,HIS_249,6.58,-0.12,0.22,-0.02
 3UPD,TYR_36,12.44,0.85,0.78,0.82
 3ZXY,ASP_14,3.45,-0.83,-0.24,0.72
 2Z84,GLU_187,4.54,0.21,0,-0.16
 2CYG,GLU_264,4.77,3.45,-1.7,-1.48
 2B61,ASP_242,3.28,-0.85,-0.23,0.56
 2POY,HIS_275,6.14,-0.36,0,0
 1LTU,ARG_114,13.04,-0.24,0.26,0.53
 3EOD,CYS_57,11.91,0.01,15,2.76
 2Q99,ASP_162,2.89,-0.85,-0.74,0.67
 2CBE,ASP_19,3.68,0,-0.42,0.29
 1VJG,TYR_118,11.01,-0.32,0.14,1.19
 3F7M,ASP_130,2.5,-1.5,-0.27,0.47
 2FGG,GLU_18,4.1,0.29,-0.06,-0.62
 2FB6,LYS_16,11.34,-0.41,0.85,0.41
 1EDG,ASP_191,3.19,-1.57,0.96
 2IXM,GLU_114,4.73,0.14,0,0.0
 3T5B,CYS_153,10.79,-0.28,0.23,1.84
 1NKD,GLU_28,4.55,0.23,0,-0.18
 3LQE,GLU_356,5.16,0.58,0,0.08
 1P6F,TYR_79,11.62,0.04,1.58
 2IXM,TYR_232,10.49,0.12,0.37
 1YR6,ARG_191,12.81,-0.21,0,0.52
 2V5B,ARG_196,12.25,-0.37,0,0.11
 2CYG,ASP_86,4.28,-0.39,-0.07,0.94
 2Q99,ARG_69,12.22,-0.31,0,0.03

4AE7,LYS_89,10.55,-0.14,0,0.19
 2AD1,LYS_38,10.1,-0.3,0,-0.1
 1SQH,GLU_117,3.96,0.93,-1.01,-0.47
 2BQQ,CYS_127,12.93,0,0,3.93
 2F8H,ASP_256,2.94,-0.79,-0.32,0.25
 3PM2,ARG_52,12.72,-0.54,0.38,0.38
 1ZBS,ASP_208,3.31,-0.65,-0.18,0.34
 2ZQ5,ARG_380,12.05,-0.65,0,0.2
 2HRZ,CYS_166,11.11,-0.74,-0.69,3.54
 1P4X,LYS_152,10.36,-0.14,0,0
 3EIZ,ASP_126,2.91,-1.12,-0.15,0.38
 2BOJ,ARG_101,12.49,-0.99,0.35,0.63
 3PAC,LYS_93,10.81,-0.24,0,0.54
 2Q12,LYS_212,10.4,-0.1,0,0
 1EV8,ARG_243,12.26,-0.24,0,0.01
 1XTZ,LYS_22,11.01,-0.54,0.57,0.48
 1TLV,CYS_242,11.4,0,-0.14,2.54
 1SQH,HIS_188,6.43,-0.59,0.57,-0.05
 2OOK,ARG_144,13.32,-1.02,0.86,0.97
 2E3S,CYS_518,10.04,0,0.2,0.84
 1L3K,HIS_156,6.67,-1.32,0.85,0.63
 3ASA,HIS_324,5.19,-1.57,0,0.25
 4F8A,HIS_670,5.47,-1.61,0.55,0.02
 4DEZ,LYS_193,10.1,-0.4,0,0
 2E3C,ARG_442,12.72,-0.44,0,0.66
 1NWA,HIS_0,6.24,-0.29,0,0.03
 2VAN,ASP_160,4.08,0,0,0.28
 4ANN,GLU_34,4.15,0.27,-0.63,0.01
 1MIX,GLU_237,4.68,1.06,-0.41,-0.47
 1TJE,TYR_14,11.99,0.62,0.17,1.22
 1WPS,ASP_206,3,-1.12,0,0.32
 2AHE,ASP_87,3.15,-0.86,-0.2,0.4
 3CO1,ASP_120,2.03,-1.95,-0.38,0.56
 1EV8,HIS_186,4.54,-1.88,0,-0.08
 1GPP,TYR_432,10.37,0.0,0.03,0.33
 2WOG,ARG_166,11.8,-0.76,0,0.05
 3CAN,LYS_158,10.56,-0.2,0,0.26
 3GW3,GLU_218,7.31,4.17,-1.36,0
 2RH3,ARG_89,12.25,-0.3,0,0.04
 4FZR,ASP_98,3.79,0,-0.24,0.24
 2Q34,TYR_70,11.09,0,0.29,0.8
 1FO9,LYS_374,10.32,-0.16,0,-0.02
 3FRR,LYS_48,10.15,-0.21,0,-0.13
 3G9T,ASP_264,3.85,0,-0.17,0.22
 3ASA,HIS_299,6.43,-0.2,0,0.13
 1N81,LYS_120,10.68,-0.15,0,0.33
 2X5Y,GLU_780,3.81,1.01,-1.43,-0.27
 1TR9,ASP_214,3.68,-1.39,0,1.27
 1O17,GLU_267,4.38,0.22,-0.08,-0.26
 2P1W,HIS_32,5.62,-0.87,0,-0.01
 3DHN,GLU_195,3.78,0.73,-1.52,0.07
 3M70,LYS_123,11.48,-0.66,0.85,0.78
 2B0A,GLU_135,3.84,0.38,-0.89,-0.16
 4E8B,LYS_126,10.24,-0.18,0,-0.08
 3E0H,ASP_41,3.72,-0.64,-0.11,0.67
 1ZBS,CYS_168,9.93,0,0.22,0.7
 3BWT,HIS_719,5.27,-0.85,0,-0.37
 2Q07,LYS_484,10.79,-0.17,0,0.45
 2V4U,ARG_311,12.43,-0.42,0,0.36
 3G9T,HIS_274,4.45,-2.13,0,0.08
 4FLE,HIS_122,5.56,-0.99,0,0.04
 3B21,HIS_98,5.91,-1.11,0.16,0.36
 1ZYL,LYS_171,9.94,-0.7,0,0.14
 2QHT,HIS_41,4.11,-3.23,0.83,0
 1ZBS,CYS_114,13.36,0,0.59,3.78
 3H04,ASP_76,2.82,-1.43,-0.47,0.93
 2RFA,ARG_262,12.14,-0.36,0,0.01
 2E3S,ARG_517,12.74,-0.22,0,0.46
 2YWX,GLU_9,4.6,0,1.0,0
 3KT9,HIS_21,6.27,-0.53,0,0.31
 1W24,GLU_65,4.81,0.28,0,0.03
 2R4Q,CYS_178,7.17,-2.49,-0.01,0.68
 1SUU,LYS_748,10.46,-0.04,0,0
 2Q5X,TYR_755,9.7,0,-0.52,0.22
 1WYC,ASP_285,3.4,-1.16,-0.54,1.29
 3DB9,ASP_49,3.57,-0.47,-0.32,0.58
 2O0K,LYS_46,11.63,-0.52,0.85,0.8
 2WBB,ASP_344,4.13,0,0.17,0.16
 1XKR,HIS_0,6.76,-0.13,0.39,0
 2VGM,GLU_286,3.8,0.6,-0.83,-0.48
 2IF4,ARG_182,12.98,-0.89,0.25,1.12
 1RHS,HIS_255,3.55,-3.34,0,0.4
 3U2A,ASP_68,1.67,-2.3,-0.45,0.63
 2ZQ5,ARG_213,12.13,-0.81,0,0.44
 2EFK,LYS_215,11.32,-0.34,0.81,0.35
 2O0K,GLU_227,4.94,0.36,0,0.08
 3A2Z,ASP_181,4.04,0,0,1.0.13
 3O48,ASP_67,4.09,0,-0.1,0.39
 1MTZ,HIS_42,5.29,-3.16,0.85,1.09
 3F7M,ASP_269,3.71,-0.68,-0.03,0.62
 3N2T,HIS_63,7.72,-1.25,1.66,0.8
 1QQE,CYS_86,10.37,-0.16,-0.2,1.73
 1D2K,TYR_196,12.34,0,0.6,1.74
 3RNV,ARG_369,12.62,-0.3,0.07,0.35
 2RIS,GLU_13,4.49,0.32,0,-0.33
 2Q07,ARG_354,12.7,-0.54,0.17,0.57
 3HZQ,GLU_55,4.69,0.26,-0.07,0
 3IVF,ASP_208,3.57,-0.71,0,1.0.38
 2EA9,ASP_18,3.81,0,-0.19,0.2
 3KEY,ARG_312,12.25,-0.3,0,0.05
 2VGM,TYR_192,11.71,0,0.17,1.55
 3OA7,ARG_439,12.26,-0.24,0,0
 1PBV,GLU_54,4.55,0.05,0,0
 4GA2,ARG_64,13.56,-0.79,1.18,0.66
 3GVO,LYS_271,10.56,-0.1,0,0.17
 1O59,ARG_183,11.53,-0.97,0,0
 1PDB,LYS_80,10.28,-0.1,0,-0.13
 3FHF,GLU_72,3.9,0.29,-0.83,-0.05
 2B6P,ARG_152,13.99,-0.74,1.31,0.93
 2JKF,ASP_58,4.26,-0.04,0.05,0.46
 1PSW,ASP_141,3.83,0,-0.2,0.23
 2Z84,CYS_43,11.05,-0.91,-0.05,3.01
 2CBE,ASP_139,2.6,-1.46,-0.42,0.68
 2VAN,ARG_183,11.53,-1.02,0,0.05
 2B0J,TYR_11,13.87,-0.8,1.02,3.66
 2C13,LYS_110,10.62,-0.15,0,0.26
 3JSN,HIS_75,5.89,-1.53,0.84,0.08
 2ILR,ASP_286,4.05,0,0.25
 4ESS,GLU_123,4.79,0.29,0,-0.01
 3F5D,TYR_14,10.47,-0.85,0.22,1.11
 3UAH,ARG_374,11.03,-2.52,0.03,1.04
 1J74,GLU_36,4.42,0.5,-0.01,-0.56
 1HF8,TYR_237,11.44,0.0,15,1.29
 2EFK,GLU_185,4.55,0.14,-0.03,-0.05
 2B61,ASP_59,1.92,-1.86,-0.48,0.46
 2ZCO,ASP_253,3.8,-0.42,-0.2,0.62
 2ILR,ARG_381,12.3,-0.21,0,0.02
 2O0K,TYR_295,10.39,0,0.19,0.21
 1AK1,ASP_241,3.34,-0.78,0,0.32
 3HUE,TYR_180,12.08,0,0.24,1.84
 1T95,LYS_59,10.53,-0.2,0,0.23
 1NWA,ARG_166,13.71,-0.69,1.32,0.58
 2NSN,CYS_39,9.4,-0.08,0.13,0.35
 2H85,CYS_116,10.61,0,0.18,1.43
 1YTD,ARG_94,12.04,-2.38,0.72,1.21
 2O0K,ARG_245,12.5,-0.1,0,0.1
 3IOO,GLU_140,4.51,0.22,0,-0.21
 3L7N,GLU_185,4.09,0.22,-0.63,0
 3GE9,ASP_137,3.92,0,-0.23,0.34
 2CN1,HIS_198,4.42,-2.09,0,0.01
 2YXO,ARG_319,12.18,-0.4,0,0.08
 2B0A,LYS_80,10.45,-0.05,0,0
 1T95,LYS_234,10.42,-0.08,0,0
 2AD1,HIS_203,7.07,-0.28,0.75,0.11
 2YWJ,TYR_178,12.13,0,0.41,1.72
 1VSM,ARG_132,12.26,-0.24,0,0
 1AIL,ARG_46,13.06,-0.62,0.65,0.54
 1QQE,HIS_132,6.38,-0.33,0.12,0.09
 1RI6,GLU_270,3.42,0.54,-1.58,-0.03
 3MIX,ARG_387,12.5,-0.66,0.01,0.67
 2B3M,LYS_75,10.46,-0.1,0,0.06
 3CSV,CYS_347,12.54,0.18,1,2.36
 1YG2,GLU_49,4.57,0.09,0,-0.02
 1MSI,LYS_150,10.65,-0.12,0,0.26
 2NYC,CYS_274,11.72,0,0.29,2.43
 2AD1,LYS_178,10.11,-0.68,0,0.29
 3O16,LYS_138,10.37,-0.16,0,0.03
 3DHN,HIS_224,6.36,-0.14,0,0
 1DUN,LYS_10,10.28,-0.15,0,-0.07
 3HVW,TYR_240,13.11,0.85,0.48,1.77
 2GZQ,LYS_125,10.27,-0.14,0,-0.08
 3QKY,TYR_119,12.06,0.73,0.54,0.79
 3M7D,CYS_68,12.19,-0.08,-0.6,3.88
 3CCY,ARG_150,12.29,-0.13,0,-0.07
 2V4U,LYS_466,10.42,-0.37,0,0.3
 2FG1,GLU_142,2.42,0.74,-1.86,-0.96
 1O59,LYS_21,9.46,-0.86,0,-0.18
 4FH3,ASP_258,4.38,0,0.31,0.26
 2FLR,LYS_97,10.38,-0.39,0,0.27
 1NAR,LYS_236,10.15,-0.37,0,0.02
 1O17,TYR_158,12.33,0,0.13,2.2
 3ZTA,LYS_124,10.27,-0.24,0,0.01
 2H85,ASP_202,3.81,-0.21,-0.1,0.32
 1WXQ,TYR_124,10.64,-0.2,0.12,0.72
 2ILR,LYS_296,11.53,-0.27,0.85,0.44
 2B0J,LYS_58,10.37,-0.26,0,0.12
 1E5S,LYS_186,10.38,-0.15,0,0.03
 3M7G,GLU_122,3.95,1.05,-0.8,-0.8
 4DEZ,ASP_177,3.98,0,0.01,0.17
 1L2F,LYS_223,11.52,-0.31,0.85,0.48
 3FWU,ARG_28,13.99,-0.32,1.09,0.72
 1D2K,LYS_138,10.42,-0.19,0,0.11
 1SJY,TYR_145,12.96,0,0.1,2.86
 1OGL,ARG_93,12.38,-0.7,0,0.58
 2VGM,LYS_237,10.64,-0.09,0,0.23
 3OIP,GLU_48,4.6,0,1.0,0
 3CAN,CYS_13,9.43,-0.06,0.09,0.39
 2P5D,GLU_21,4.3,0.18,-0.08,-0.3
 2OYZ,TYR_8,9.93,-0.39,-0.17,0.48
 3EJG,ARG_59,13.11,-0.3,0.48,0.43
 2WOZ,ASP_407,2.9,-1.5,-0.13,0.74
 1OST,HIS_140,5.32,-2.02,0.7,0.15
 3RLE,HIS_29,6.24,-0.33,0.01,0.05
 2B78,ARG_24,12.45,-0.09,0,0.05
 3LPZ,TYR_203,11.66,-1.55,0.33,2.88
 1WLY,GLU_284,4.71,0.2,0,0.02
 1FO9,ARG_131,11.24,-1.26,0,0
 4EVF,LYS_59,10.4,-0.11,0,0.01
 2O8P,TYR_94,10.27,0,0.05,0.22
 2AXO,LYS_70,10.49,-0.14,0,0.13
 4E9E,GLU_522,3.53,0.51,-0.67,-0.82
 3UPD,HIS_274,2.87,-3.51,0,-0.12
 2EJB,ARG_83,11.92,-0.74,0,0.15
 2P1W,GLU_164,4.63,0.13,0,0
 2CE6,LYS_87,12.42,-0.71,1.7,0.93
 1H4U,ARG_617,12.87,-0.21,0.22,0.37
 2HRZ,GLU_223,4.5,0.32,0,-0.32
 2Z0M,ASP_148,3.17,-0.47,-0.41,0.25
 1W7B,LYS_115,11.05,-0.56,0.58,0.53
 3A0X,GLU_640,4.62,0.1,0,0.02
 3VHJ,ASP_141,2.91,-0.75,-0.56,0.42
 2F4Q,LYS_122,9.42,-0.8,0,-0.28
 1YTQ,HIS_29,6.61,-0.33,0.27,0.17
 3KB5,ASP_421,3.35,-0.69,0,0.24
 2H2Z,CYS_38,12.67,0,0.14,3.53
 3EGN,TYR_489,12.01,0.35,0.55,1.11
 3IL3,ASP_102,3.46,-0.55,0,0.21
 1ZCU,ASP_61,4.15,-0.37,0.22,0.49
 2Q12,ASP_109,4.11,0,0,0.31
 1WYC,TYR_140,10.69,-0.8,0.37,1.12
 1XFK,HIS_195,5.55,-1.95,0.82,0.18
 3M70,ASP_228,3.9,0,0,0.1
 4DBX,ARG_265,12.38,-0.29,0,0.17
 1YR6,GLU_57,4.12,0.55,-0.77,-0.17
 2OEW,TYR_294,10.7,0,0.35,0.35
 1W24,LYS_127,10.44,-0.42,0,0.36
 2YWK,ARG_78,12.32,-0.28,0,0.1
 3V3T,CYS_143,12.33,0,-0.16,3.5
 4ECC,ARG_102,12.4,-0.32,0,0.23
 4DNU,GLU_224,2.89,0.59,-2.05,-0.15
 1C44,LYS_36,10.29,-0.18,0,-0.02
 3LD1,CYS_362,9.13,0,0,1.3
 3L7N,GLU_211,4.62,0,1.0,0.02
 3BWT,HIS_779,6.39,-0.49,0.21,0.17
 1V43,ARG_233,12.33,-0.28,0,0.1
 4FH3,TYR_221,11.99,0,-0.28,2.27
 3U2A,ARG_100,12.64,-0.27,0,0.41
 4DBX,TYR_282,10.81,0,-0.09,0.9
 1SJB,GLU_542,4.64,0.28,0,-0.13
 2P4D,ARG_102,13.5,-0.2,0.65,0.55
 2DVK,LYS_33,10.74,-0.23,0,0.47
 2XHC,TYR_114,11.7,0,0.18,1.51
 1RZ2,LYS_165,10.22,-0.26,0,-0.02
 1JYH,TYR_143,10.48,0,0.25,0.24
 1TD6,CYS_67,12.95,-0.05,0.37,3.63
 2F9F,ASP_14,2.31,-1.27,-0.53,0.31
 1GQE,ARG_52,13.8,-0.33,1.27,0.36
 2OJQ,GLU_651,4.28,0.25,-0.23,-0.23
 2XHC,LYS_205,10.54,-0.25,0,0.29
 1P4X,GLU_160,4.27,1.12,-1.35,0
 1Z9L,ASP_112,3,-0.62,-0.72,0.54
 3CZC,ASP_52,3.14,-0.86,-0.2,0.4
 2HZZ,ARG_298,11.53,-1.27,0,0.3
 3Q6L,CYS_118,10.99,0,-0.94,2.93
 3UPD,TYR_102,9.83,-0.85,0,0.68
 3ONT,GLU_110,3.94,0.29,-0.85,0
 1ILW,ASP_84,3.98,0,-0.07,0.24
 3LJN,GLU_239,4.89,0.19,0,0.2
 1WXQ,CYS_50,10.58,0,0.11,1.48
 1PGV,ARG_332,12.28,-0.22,0,0
 1VJG,ASP_133,2.35,-1.58,-0.68,0.81
 3HVW,GLU_258,4.96,0.34,0,0.12
 2AD1,LYS_283,10.67,-0.16,0,0.33
 3HNX,GLU_57,4.85,0.23,0,0.12
 3PP8,ASP_241,2.85,-0.85,-0.48,0.37
 1JKS,GLU_64,5.3,2.79,-0.85,-1.14
 1V8E,ARG_185,12.2,-0.34,0,0.04
 3CAN,CYS_173,11.12,-0.03,0.14,2.01
 3TOW,LYS_143,9.6,-0.25,0,-0.65
 3IRA,LYS_7,10.41,-0.09,0,0
 4FH3,LYS_46,10.83,-0.11,0,0.44
 2P65,GLU_101,4.5,0,0,0
 3DHN,GLU_207,6.44,-0.26,0,0.19
 2CYG,GLU_314,3.27,2.61,-3.06,-0.79
 2BDV,ARG_57,11.75,-0.68,0,-0.07
 2IF4,ASP_41,3.91,-0.05,-0.01,0.16

3BWT,LYS_772,10.45,-0.43,0,0.38
2PLQ,CYS_332,9.18,0,-0.01,0.19
3DB9,GLU_114,3.26,0.74,-1.5,-0.47
3U4K,LYS_163,11.11,-0.26,0.4,0.46
1X7F,ARG_272,13.46,-0.35,1.01,0.3
3MEW,CYS_287,10.56,0.27,0.22,1.06
2Q98,ARG_10,12.29,-0.21,0,0
3V55,GLU_418,2.88,1,-1.79,-0.84
2H01,ASP_24,3.36,-0.79,-0.08,0.43
3IL3,LYS_213,10.55,-0.22,0,0.27
3ETU,LYS_170,10.64,-0.11,0,0.25
1NFN,LYS_75,11.72,-0.53,0.98,0.76
4EVF,GLU_64,5.04,0.79,0,-0.24
2I88,LYS_402,10.49,-0.22,0,0.21
3RLN,LYS_674,10.39,-0.21,0,0.11
3QAV,LYS_45,9.94,-0.38,0,-0.17
1V6T,LYS_99,10.69,-0.11,0,0.31
2X4L,LYS_208,10.46,-0.07,0,0.04
3U0V,GLU_92,4.0,0.21,-0.48,-0.23
1U3Y,HIS_304,6.17,-0.23,0,-0.09
3V55,LYS_358,10.29,-0.25,0,0.04
4FCU,LYS_144,8.9,-1.66,0,0.05
1XFK,GLU_96,4.6,0,1,0.0
3ANJ,ARG_196,12.25,-0.53,0,0.29
1X91,LYS_35,11.37,-0.39,0.85,0.4
2B78,LYS_82,9.76,-0.81,0,0.07
1SBX,ASP_144,4.01,0,-0.04,0.25
2CXC,ARG_13,12.46,-0.32,0.01,0.27
2G5X,ASP_18,3.85,-0.41,-0.47,0.93
2I88,ASP_398,3.35,-0.17,-0.58,0.3
3PZ9,GLU_300,5.29,0.73,0,0.06
2CVG,ARG_103,12.42,-0.28,0,0.2
1Q5Z,ARG_564,12.22,-0.38,0,0.1
1R5S,ASP_45,3.97,0,-0.38,0.54
1R29,ARG_98,12.52,-0.21,0,0.23
1LFP,LYS_13,10.39,-0.16,0,0.05
1WXQ,ARG_212,12.24,-0.62,0,0.36
2CWY,HIS_21,5.48,-1.1,0,0.08
3IVF,ASP_397,4.08,-0.04,0.06,0.26
2DOA,LYS_37,10.19,-0.21,0,-0.09
1EDG,ARG_299,12.3,-0.29,0,0.09
2Z14,GLU_46,4.56,0.19,0,-0.13
1ZYL,GLU_250,4.82,0.16,0,0.16
3ETV,HIS_165,8.45,-0.37,1.68,0.64
1WYC,ASP_106,3.73,-0.82,-0.05,0.8
3RXX,GLU_229,5.67,1.58,-0.41,0
3Q1C,ASP_191,3.51,-0.84,-0.37,0.93
2Z0M,ASP_180,3.83,0,-0.29,0.32
2D7U,ARG_141,12.33,-0.17,0,0
3COU,GLU_83,4.52,0.1,0,-0.08
1WNH,TYR_205,10.13,0,-0.08,0.21
3Q1C,HIS_304,6.68,-0.28,0.25,0.21
3IL3,LYS_130,10.4,-0.09,0,-0.01
1M5I,GLU_151,3.91,1.1,-0.81,-0.87
1NWA,HIS_47,6.17,-1.29,0.9,0.05
3P2F,HIS_161,5.85,-0.89,0,0.24
2DVK,ARG_59,12.34,-0.16,0,0
1EQ6,ARG_58,12.38,-0.12,0,0
3PP8,HIS_77,6.92,-0.31,0.66,0.06
1X7F,GLU_327,4.74,0.24,0,0
2R5I,HIS_84,5.62,-0.67,0,-0.22
3GW3,ASP_123,3.36,-0.83,0,0.39
1D7O,LYS_172,10.47,-0.31,0,0.27
1MTZ,GLU_276,5.97,3.85,-2.49,0.12
3D9H,ARG_252,12.51,-0.32,0,0.33
3N2T,ASP_102,1.98,-2.34,-1.01,1.52
2V8I,GLU_202,3.56,0.29,-0.85,-0.38
1LZL,GLU_230,4.62,0.13,-0.01,0
2E3I,ARG_107,13.25,-0.46,0.76,0.45
1YTD,ARG_83,11.61,-0.92,0,0.03
3O48,ARG_75,12.32,-0.34,0,0.17
2H2W,ARG_227,11.97,-0.79,0,0.25
2ZCO,GLU_279,4.51,0.35,0,-0.35
1JYH,ASP_120,1.95,-2.32,-0.11,0.57
3GMS,HIS_260,6.18,-0.29,0.02,-0.05
1L2F,GLU_21,3.16,0.39,-1.22,-0.52
2FD4,GLU_542,4.11,0.28,-0.66,0
3OAA,LYS_516,10.37,-0.23,0,0.09
2YT4,LYS_565,9.9,-0.57,0,-0.03
1TLV,GLU_168,4.63,0.13,0,0
1V43,LYS_283,10.51,-0.08,0,0.09
3U0V,LYS_215,10.56,-0.14,0,0.2
3HU6,LYS_312,11.33,-0.2,0.57,0.47
4DBX,ARG_52,12.37,-0.63,0,0.49
1KCM,HIS_116,3.07,-3.22,0.8,-1
3ASA,LYS_182,10.74,-0.3,0.49,0.05
2GAU,TYR_56,11.61,0,0.16,1.46
1RHS,LYS_174,10.37,-0.1,0,-0.03
3CRM,ARG_293,12.41,-0.09,0,0
2FG1,ARG_96,12.32,-0.5,0,0.31
1NJ4,GLU_179,6.76,3.81,-1.6,0.06
1LZL,GLU_196,4.87,0.42,0,-0.05
3EX9,HIS_22,6.27,-0.47,0.38,-0.14
3ULX,HIS_30,6.41,-0.52,0.17,0.23
1SQH,HIS_159,7.04,-0.73,0.93,0.34
1ZYL,TYR_302,12.58,0,0.36,2.22
3RRQ,LYS_135,10.03,-0.47,0,0
2V1L,TYR_133,10.65,0,0.11,0.54
3CCY,ASP_114,3.37,-0.54,-0.15,0.26
2INO,HIS_30,6.28,-0.51,0,0.29
2EDM,ARG_64,11.89,-1.0,0.39
2FBI,GLU_110,4.75,0.27,-0.01,-0.02
2CL3,GLU_69,3.81,0.31,-0.82,-0.18
3ETU,ASP_40,3.91,-0.11,0,0.21
2D7J,TYR_101,12.12,0.98,1.14
3O7K,GLU_30,4.67,0.17,0,0
2XJ4,HIS_250,5.66,-0.64,0.05,-0.25
2D7U,LYS_147,10.56,-0.3,0,0.35
3GEC,ARG_283,12.31,-0.41,0,0.22
2O0K,ASP_265,3.89,0,-0.12,0.21
2G7O,LYS_112,10.45,-0.1,0.0,0.16
3QYI,ARG_133,12.46,-0.39,0,0.35
2GKG,ASP_74,3.99,0,-0.01,0.19
2W88,ARG_692,11.48,-2.15,0.6,0.51
2IQI,GLU_275,3.84,0.19,-0.85,0
1X8F,ARG_218,12.34,-0.21,0,0.05
2IRM,GLU_228,4.64,0.14,0,0
3M7D,ARG_135,10.75,-1.56,0,-0.2
2CN1,LYS_119,10.45,-0.2,0,0.14
1R6Y,ASP_45,3.38,-0.79,-0.09,0.46
2YWJ,GLU_62,4.38,0.13,0,-0.25
2D7U,ARG_259,11.9,-1.0,0.4
2E0T,TYR_106,12.66,0,0.32,2.34
3G9G,LYS_242,10.58,-0.25,0,0.33
1Y0K,ARG_25,12.5,-0.06,0,0.06
2CL3,LYS_122,11.17,-0.34,0.49,0.51
3E7P,GLU_237,6.03,1.79,-0.22,-0.05
2QZQ,LYS_157,10.42,-0.08,0,0
2P52,GLU_218,5.06,0.45,0,0.11
1UAJ,LYS_83,11.5,-0.51,0.85,0.65
1P6F,ARG_145,12.72,-0.35,0.18,0.39
1ZP2,ASP_207,2.1,-1.77,-0.51,0.58
2OJQ,GLU_635,4.59,0.27,0,-0.18
2ATR,HIS_17,6.62,-0.76,0.84,0.03
3ASA,ASP_344,4.15,-0.1,-0.37,0.82
3AUF,ARG_49,13.58,-0.29,0.66,0.68
2CE6,GLU_57,2.61,0.34,-2.2,-0.02
3RLE,TYR_166,13.61,0.85,0.99,1.78
2PGE,ARG_309,12.6,-0.74,0.41,0.43
3LJI,HIS_83,6.48,-1.27,0.84,0.41
2Q99,ASP_178,3.23,-0.85,-0.58,0.85
3NR5,ASP_126,3.58,-0.55,0.07,0.26
3RFY,ASP_310,3.95,0,0,0.15
3MTT,GLU_492,4.66,0.27,0,-0.12
2D7U,GLU_241,4.5,0.5,-0.32,-0.17
3OIP,ASP_150,2.99,-1.3,0,0.49
1UOH,LYS_95,10.22,-0.28,0,0
1N81,ASP_95,3.3,-0.46,-0.46,0.42
3M66,TYR_301,13.94,0,0,3.94
2HP7,LYS_226,10.54,-0.06,0,0.1
3KB5,ASP_329,2.57,-1.2,-0.63,0.6
2R2Y,GLU_81,4.27,0.31,0,-0.54
1MUF,HIS_116,6.15,-0.35,0,-0.01
2O8P,LYS_124,10.31,-0.22,0,0.03
3ONT,ASP_112,4.06,0,0,0.26
1XKR,ASP_143,3.49,-0.67,0,0.36
1L3K,ARG_31,12.79,-0.41,0,0.71
3RXX,TYR_156,12.54,0.71,0.51,1.31
3BQW,TYR_77,10.41,0,0.17,0.24
1Y2Q,GLU_62,4.01,0.28,-0.32,-0.45
2A4D,ARG_87,11.73,-1.1,0,0.33
2A0J,CYS_47,10.76,0,0.02,1.75
2IQI,GLU_45,4.36,0.37,-0.57,0.06
3H5T,GLU_339,4.68,0.16,0,0.01
4H4J,HIS_178,7.04,-0.42,0.81,0.15
1X91,GLU_84,4.43,0.26,0,-0.32
4GCO,GLU_168,3.41,0.42,-0.82,-0.69
2A1V,ASP_96,2.41,-1.88,-0.08,0.57
1HUF,HIS_83,6.03,-0.99,0.33,0.19
3EVZ,LYS_106,10.39,-0.11,0,0
2PP6,ARG_10,12.35,-0.15,0,0
2R2Y,CYS_80,11.25,0,0.13,2.13
3IRA,ARG_4,13.11,-0.62,0.08,1.14
2CVB,ARG_126,12.73,-0.21,0,0.44
1EDG,TYR_116,11.31,0,0,3.1
1H09,ARG_212,12.26,-0.24,0,0
3KV0,GLU_105,4.59,0.31,0,-0.21
3FHF,GLU_162,4.87,0.24,0,0.13
2A0J,LYS_127,10.79,-0.18,0.33,0.14
4ECC,GLU_109,4.73,2.3,-0.85,-1.21
1UXO,LYS_121,9.56,-1.08,0,0.14
1D2K,TYR_113,12.03,0.06,1.96
1Q8B,HIS_52,7.03,-0.38,0.85,0.07
1SFE,LYS_124,10.09,-0.2,0,-0.21
2EEY,LYS_98,11.49,-0.41,0.66,0.75
3V46,CYS_338,11.31,0,-0.48,2.78
3B4D,GLU_234,4.87,0.13,0,0.24
1MUF,GLU_271,4.56,0.06,0,-0.01
1CHD,ARG_273,12.34,-0.16,0,0
4H89,ASP_66,4.23,0,0.28,0.15
3E7P,ARG_98,11.72,-0.78,0,0
4FZN,ARG_25,12.39,-0.91,0.34,0.46
3E7P,GLU_25,5.24,1.54,-0.01,-0.78
1EV8,TYR_71,11.11,-0.03,0.11,1.03
1O6D,ARG_59,12.1,-0.55,0,0.15
2A4D,TYR_134,12.69,-0.15,0.23,2.61
3E2Z,LYS_81,10.23,-0.21,0,-0.05
2BAA,ARG_183,12.3,-0.24,0,0.04
1AK1,ARG_46,13.35,-0.73,0.31,1.26
3P51,TYR_5,11.52,0.5,0.41,0.6
2ILR,GLU_312,4.09,0.39,-0.61,-0.19
1V6T,TYR_65,12.37,0,0.39,1.98
3VJ8,LYS_41,9.98,-0.46,0,-0.04
1J85,HIS_86,5.41,-1.29,0,0.19
1LZL,CYS_133,13.43,0,0.57,3.85
1NWA,ASP_113,2.96,-0.95,-0.38,0.49
1WJG,ARG_16,13.74,-0.21,0.79,0.65
2RJD,GLU_312,4.54,0.07,0,-0.02
4AF2,GLU_113,3.45,0.44,-1.45,-0.04
3ETU,HIS_116,2.04,-3.5,0.45,-1.4
4FZR,LYS_189,12.09,-1.27,1.46,1.41
1O9G,GLU_114,4.8,0.25,0,0.06
1RKA,ASP_302,4.26,-0.29,-0.36,1.12
3CXS,TYR_85,11.45,0,0.22,1.24
3ZSL,ASP_178,4.18,0,0.22,0.16
1V6T,LYS_120,10.35,-0.19,0,0.03
3U0V,ASP_106,3.95,0,-0.21,0.38
1YB2,LYS_130,10.43,-0.23,0,0.16
1YM5,LYS_293,10.38,-0.12,0,0
2CIU,HIS_175,5.59,-1.58,0.52,0.14
1GQE,ARG_278,12.5,-0.1,0,0.1
2RIK,GLU_102,3.64,0.32,-0.77,-0.4
3CZC,LYS_87,11.55,-0.43,0.68,0.8
2BDV,GLU_197,4.2,0.23,-0.25,-0.27
1QYI,GLU_109,4.68,0.2,0,-0.02
1TD6,GLU_97,3.72,0.76,-0.85,-0.7
1X04,ARG_217,12.64,-0.26,0.05,0.36
3HQX,HIS_8,6.35,-0.15,0,0
1SJV,ASP_147,4.19,-0.31,-0.25,0.95
1RWZ,ARG_231,12.45,-0.35,0,0.3
3Q6L,ARG_129,12.23,-0.45,0,0.18
3JUN,GLU_220,4.96,0.62,-0.25,0.08
3BPV,ASP_113,3.95,0,-0.21,0.36
1U53,GLU_171,3.59,0.47,-0.85,-0.52
1F2V,ARG_8,12.3,-0.28,0.08,0
1XWM,GLU_18,3.88,0.54,-0.77,-0.38
3CIV,ARG_190,12.53,-0.12,0,0.15
3GA2,ARG_81,12.51,-0.21,0,0.21
2B78,GLU_373,4.51,0.47,-0.51,0.05
2G9D,HIS_63,0.03,-3.03,0,-3.45
3I4T,GLU_211,4.78,0.21,0,0.07
4EUG,TYR_66,13.71,0,0.11,3.6
3OIP,CYS_93,11.04,-0.03,-0.08,2.15
2P65,ASP_98,3.59,-0.36,-0.3,0.44
2A4D,LYS_142,11.02,-0.24,0.27,0.5
1UXO,LYS_187,10.37,-0.31,0,0.18
3LJN,GLU_15,4.39,0.09,0,-0.2
3HVW,ARG_187,12.74,-0.63,0.4,0.48
4EVF,ARG_35,10.39,-2.65,0,0.53
2WOZ,HIS_445,5.61,-0.88,0,-0.01
2E3C,ARG_197,12.98,-0.67,0.68,0.47
4ACJ,ASP_794,4.63,-0.07,-0.06,0.96
3CJW,ARG_228,12.74,-1.1,0.81,0.51
2QVO,TYR_23,10.52,0,0.52
3TRE,ARG_40,12.65,-0.26,0,0.41
1AKO,LYS_49,10.45,-0.05,0,0
2DVK,CYS_40,9.45,-0.79,-0.5,1.74
3CJW,ARG_366,11.75,-0.9,0,0.15
1Z9L,HIS_6,6.44,-0.06,0,0
1S17,GLU_319,3.91,0.61,-0.84,-0.35
3CAX,TYR_461,10.4,0,0.05,0.35
1EQ6,LYS_97,10.63,-0.18,0,0.32
2FGG,ARG_35,12.39,-0.27,0,0.16
1KN3,LYS_150,10.09,-0.37,0,-0.04
2PIM,ASP_41,2.63,-1.14,-0.76,0.73
1OLR,LYS_26,10.84,-0.34,0.42,0.26
1MUF,HIS_310,2.1,-3.91,0,-0.49
1N81,CYS_109,12.3,0,0.44,2.86
3RLE,ASP_57,2.99,-0.85,-0.42,0.36
1TLV,LYS_115,10.79,-0.16,0,0.45
1RWZ,GLU_178,4.7,0.2,0,0
1V6T,LYS_189,10.58,-0.33,0,0.41
3OBS,GLU_138,4.67,0.25,0,-0.09
1KN3,HIS_15,6.22,-0.36,0,0.08
2EEY,ARG_26,11.77,-0.89,0,0.16
3U4K,ARG_37,12.32,-0.18,0,0

1RAJ,LYS_431,10.75,-0.11,0,0.37
1SOH,LYS_290,10.21,-0.42,0,0.13
2POL,ARG_38,12.43,-1.05,0.46,0.52
3BB7,TYR_165,10.8,0,0.04,0.76
4FD6,LYS_123,10.42,-0.08,0,0
1Q46,ASP_16,4.03,0,-0.02,0.36
4F3J,HIS_244,5.75,-0.41,0,-0.23
2AXO,GLU_144,4.63,0.13,0,0
1ES9,GLU_157,2.91,0.44,-1.28,-0.75
2R51,TYR_116,10.72,-0.02,0.09,0.65
1ZYL,TYR_37,10.41,0,-0.01,0.43
1YR6,GLU_45,4.64,0.11,0,0.03
4DBX,LYS_97,10.87,-0.68,0.85,0.2
4ESS,ARG_3,12.4,-0.31,0,0.15
3TRE,CYS_22,10.86,0,0.12,1.74
1T95,GLU_26,4.96,1.14,-0.79,0.12
2CXV,LYS_6,10.71,-0.29,0,0.49
1MUF,LYS_107,10.33,-0.17,0,0
1MUF,ASP_306,3.94,-0.09,-0.54,0.77
2DG7,ARG_3,12.4,-0.1,0,0
1HUF,ASP_106,3.71,-0.7,-0.3,0.92
3F5D,ASP_191,4.05,0,0,0.25
2OEW,ASP_299,3.92,0,-0.07,0.18
1OST,CYS_394,10.27,-1.11,0.22,2.16
1KW4,ASP_37,3.98,0,0,0.18
2FBI,HIS_30,6.87,-0.53,0.68,0.22
2FGG,HIS_20,6.16,-0.31,0,-0.02
1AM2,GLU_55,4.65,0.23,0,-0.08
2D59,GLU_138,4.78,0.46,0,-0.17
2CWC,ARG_180,13.12,-0.74,0.04,0.61
1NWA,TYR_148,10.22,0.04,-0.79,0.28
2E3C,ASP_313,3.25,-0.67,-0.31,0.44
3DTE,ASP_215,4.23,0,0.1,0.33
1TD6,LYS_220,10.59,-0.09,0,0.19
4DVD,ASP_164,3.19,-1.55,-0.37,1.31
3IOC,LYS_314,10.75,-1.01,0.85,0.42
1DZF,GLU_148,4.36,0.14,0,-0.28
3BPV,CYS_131,9.35,0,-0.04,0.39
2FXT,LYS_355,9.63,-0.9,0,0.03
3HVM,TYR_249,12.17,-0.62,0.58,2.21
1G8P,GLU_222,3.95,0.17,-0.71,0
2D25,ASP_525,3.69,-0.16,0,0.05
2XHC,LYS_270,10.62,-0.15,0,0.27
3BJV,LYS_136,10.53,-0.15,0,0.18
1DUP,ASP_47,3.36,-0.79,0,0.35
3AU3,GLU_578,4.73,0.22,0,0.01
2PGX,GLU_145,4.66,0.21,0,-0.04
1GQE,ARG_116,11.02,-2.41,0.02,0.91
1ANU,ASP_50,3.94,0,-0.23,0.37
2F9F,LYS_165,10.34,-0.14,0,-0.02
3U2A,ARG_61,13.72,-0.52,1.19,0.54
3G9G,GLU_232,4.72,0.2,0,0.02
1JT9,ARG_158,12.24,-1.23,0.49,0.48
3LH5,ARG_677,12.32,-0.24,0,0.06
3A2Z,GLU_166,4.32,0.3,-0.1,-0.38
4FCU,CYS_58,11.23,0,0.03,2.19
3BQW,ARG_116,12.09,-0.4,0,-0.01
4AM1,LYS_98,10.3,-0.27,0,0.07
1JKS,GLU_182,5.34,1.59,-0.7,-0.06
1YTQ,ASP_102,3.14,-0.82,0,0.16
4DND,ASP_5,3.77,0,-0.32,0.29
1GPP,ARG_35,13.56,-1.18,1.27,0.97
2IQT,LYS_118,10.43,-0.15,0,0.08
3FTT,LYS_179,10.34,-0.17,0,0.01
2FD5,LYS_80,10.58,-0.23,0,0.3
2FD5,ARG_9,13.93,-0.48,1.49,0.42
1WXQ,ASP_381,4.12,0,0.14,0.18
3M3P,HIS_231,6.23,-0.84,0.64,-0.06
1L2F,TYR_59,10.91,0,0.49,0.42
3H5T,TYR_30,11.03,0,0.2,0.83
4EVF,ASP_125,3.49,-0.65,-0.42,0.76
2RGY,GLU_245,4.3,0.45,-0.66,0
2CW4,CYS_119,12.05,0,0.08,2.97
2FB6,LYS_31,10.05,-0.42,0,-0.03
2B78,TYR_115,13.9,-0.85,1.38,3.36
15NT,ARG_78,12.26,-0.29,0,0.05
1H4U,HIS_497,6.01,-0.49,0,0
2YT4,LYS_525,10.23,-0.12,0,-0.15
4ECC,LYS_210,11.03,-0.88,0.7,0.72
3Q6L,ASP_111,3.92,0,-0.02,0.14
3BQE,ASP_352,3.77,0,-0.38,0.36
3CNU,GLU_24,4.74,0.22,0,0.02
3QKY,LYS_120,10.33,-0.28,0,0.1
3G65,ASP_206,4,-0.1,0,0.31
3GEC,TYR_253,10.29,0,-0.04,0.33
3OA7,LYS_4,10.63,-0.12,0,0.24
3L3P,ASP_528,3.95,-0.31,-0.3,0.77
2WB8,ASP_596,3.76,-0.23,0.03,0.16
1F2V,LYS_122,10.2,-0.33,0,0.03
2BDV,GLU_80,5.1,1.78,-0.6,-0.58
1TP6,ARG_60,12.38,-0.27,0,0.15
2AZL,LYS_152,10.35,-0.25,0,0.1
1TLV,LYS_177,10.69,-0.47,0,0.66
3HUE,HIS_150,4.77,-1.74,0,0.02
1LFP,LYS_16,10.23,-0.35,0,0.08
1AK1,HIS_201,5.49,-0.91,0,-0.1
1OIS,HIS_299,5.77,-0.5,0,-0.23
3LQE,TYR_317,12.74,0,0.28,2.46
3VJ8,LYS_170,11.68,-0.37,0.8,0.75
1PBV,GLU_119,3.62,0.29,-0.75,-0.41
1YDL,GLU_25,4.7,0.18,0,0.02
3E5T,LYS_227,10.45,-0.05,0,0
2POL,GLU_143,5.23,0.39,0,0.35
3EX9,GLU_131,4.94,0.33,0,0.12
3GE9,GLU_24,4.56,0.06,0,0
3F7M,GLU_147,4.38,1.3,-1.38,-0.03
3SMD,ARG_89,13.13,-0.36,0.63,0.36
3M16,CYS_160,13.64,0.2,1.05,3.39
1LZL,LYS_20,10.72,-0.19,0,0.41
1FO9,TYR_365,12.13,0,-0.27,2.39
4DBX,LYS_255,10.3,-0.2,0,0
2D0A,LYS_266,10.96,-0.6,0.53,0.52
1PSW,HIS_225,6.83,-0.35,0.56,0.12
2OBI,LYS_90,11.58,-0.3,0.85,0.52
3LJC,ARG_212,12.26,-0.26,0,0.02
1C44,LYS_46,10.29,-0.3,0,0.09
3QAV,TYR_193,11.67,0,0.01,1.66
2AHE,GLU_213,4.08,0.3,-0.72,0
2H01,LYS_159,10.75,-0.15,0,4.0
2QEV,ASP_137,3.38,-0.46,-0.32,0.37
3LJC,ASP_205,4.1,0,-0.02,0.32
4HDE,LYS_174,10.38,-0.23,0,0.12
1WRU,LYS_232,10.3,-0.12,0,-0.08
3HNX,ARG_24,12.16,-0.29,0,-0.05
1EW4,ASP_23,4.33,0.25,0.28
2RGY,ARG_175,12.16,-1.79,0.7,0.74
2E3H,LYS_213,10.56,-0.08,0,0.14
1OST,ARG_381,12.56,-0.5,0.22,0.34
1T3J,LYS_700,10.35,-0.15,0,0
2E3I,ASP_56,3.47,-0.4,-0.02,0.1
2CXC,LYS_83,11.19,-0.28,0.57,0.4
1MTZ,TYR_198,10.39,-0.4,-0.34,1.12
3ERF,LYS_110,10.43,-0.2,0,0.12
2DVK,GLU_108,3.48,0.32,-0.72,-0.62
2B2H,TYR_390,10.82,0,0.01,0.81
2JKF,ASP_65,2.99,-1.31,-0.01,0.5
2W1R,HIS_72,6.45,-0.99,0.54,0.4
1RI6,ASP_209,2.14,-2.05,-0.32,0.7
4FH3,ARG_139,12.44,-0.06,0,0
3JRT,LYS_101,10.39,-0.25,0,0.15
3Q9P,GLU_166,3.53,0.38,-0.71,-0.63
3KB5,LYS_279,10.49,-0.09,0,0.08
4DEZ,TYR_110,12.65,0,0.55,2.1
1LZL,ASP_245,2.33,-1.52,-0.35,0.39
3J5N,GLU_106,4.87,0.49,0,-0.13
4AF2,ARG_133,10.53,-2.17,0,0.2
2W1R,LYS_118,11.48,-0.18,0.78,0.38
3B21,ASP_38,3.48,-0.06,-0.83,0.57
1TUL,ASP_21,3.12,-0.84,-0.29,0.46
1NFN,ARG_136,12.44,-0.2,0,0.14
2H01,ASP_56,3.83,0,-0.17,0.2
1BYI,LYS_45,10.45,-0.06,0,0.01
1H4U,CYS_588,9.07,0,-0.05,0.12
1XDZ,TYR_56,12.04,0.26,1.78
1WYC,ARG_278,13.85,-1.24,1.49,1.1
2H85,TYR_237,12.97,0,0.13,2.84
3GEC,HIS_429,4.77,-1.18,0,-0.55
3IU5,CYS_69,10.58,-0.1,0.18,1.5
4FH3,ASP_249,1.75,-2.45,-0.67,1.07
1Q5Z,LYS_581,10.52,-0.13,0,0.14
4E9E,ASP_510,2.97,-0.85,-0.41,0.43
1TR9,LYS_300,10.38,-0.21,0,0.09
1IAP,HIS_101,7.25,-0.46,0.79,0.42
1DUN,GLU_78,4.74,0.25,0,-0.02
1J33,GLU_288,4.45,0.24,0,-0.3
1CBY,LYS_216,10.47,-0.32,0,0.29
2JKF,ASP_13,3.98,0,-0.08,0.26
3IPZ,ARG_126,13.22,-0.36,0.7,0.38
4ANN,GLU_106,4.45,0.26,-0.13,-0.19
1X8F,ARG_36,12.27,-0.24,0,0.01
3CZC,GLU_90,4.65,0.26,0,-0.11
1YTQ,ASP_191,3.88,0,-0.1,0.18
2OJQ,LYS_574,10.39,-0.22,0,0.12
1X9G,GLU_108,4.94,1.55,-0.71,-0.4
3Q1C,ASP_238,2.53,-1.25,-0.38,0.37
3C2E,LYS_162,11.59,-0.16,0.01,2.75
2H2Z,GLU_240,6.04,1.44,0,0.09
1X1E,GLU_208,3.66,0.47,-1.03,-0.28
2Q12,HIS_180,6.29,-0.21,0,0
2YLF,GLU_124,3.03,0.42,-1.44,-0.44
3EAZ,GLU_154,4.6,0.17,0,-0.07
1QYI,LYS_315,10.95,-1.06,0.85,0.65
3RJX,GLU_270,4.36,0.28,0,-0.42
2ILR,ARG_460,11.68,-0.92,0,0.11
1TD6,ASP_31,3.74,0,-0.28,0.23
3HNX,CYS_23,10.12,-0.85,0.03,1.94
1RI6,ARG_231,13.58,-0.82,1.31,0.59
1DCF,LYS_24,10.28,-0.24,0,0.02
4EVF,GLU_156,3.82,0.34,-1.13,0.11
2AD1,TYR_194,10.23,0,-0.98,1.21
1X8F,HIS_202,1.46,-2.46,0,-2.58
3FTT,CYS_32,11.4,-0.35,0.27,2.49
2Q07,ARG_269,12.18,-0.28,0,-0.04
1F2V,ARG_22,12.1,-0.72,0,0.32
1Q42,ARG_114,12.38,-0.37,0,0.25
2G3A,GLU_111,4.25,0.44,-0.26,-0.42
1XEU,HIS_160,6.12,-0.26,0,-0.11
3GFP,ARG_369,12.74,-0.35,0.16,0.44
3G6S,LYS_157,10.31,-0.77,0,0.58
3B21,ASP_171,3.18,-0.73,-0.39,0.51
3TMO,GLU_284,5.58,1.14,0,-0.06
3TOW,LYS_89,10.74,-0.21,0,0.44
1BGF,HIS_95,6.89,-0.29,0.68,0
1PBV,LYS_57,10.3,-0.12,0,-0.09
3ANJ,GLU_374,4.17,2.02,-2.44,0.07
3VJ8,ASP_245,1.95,-1.65,-0.82,0.62
2Q99,CYS_97,12.43,0,0.61,2.82
2CVB,ASP_137,2.65,-1.6,-0.19,0.64
3MTT,ASP_557,4.03,0,-0.14,0.36
4FZN,GLU_247,4.55,0.26,0,-0.2
3E7Z,HIS_95,6.57,-0.28,0,0.35
3NR5,ASP_108,3.56,-0.63,0,0.4
1QYI,GLU_271,4.3,0.28,-0.24,-0.23
4DNU,ARG_15,12.31,-0.27,0,0.08
2CWC,LYS_77,10.56,-0.17,0,0.23
2XJ4,TYR_31,13.12,0.38,0.63,2.11
2QDJ,LYS_319,11.04,-0.33,0.46,0.42
2B0J,GLU_207,8.05,5.14,-1.41,-0.17
2DG7,GLU_22,3.73,0.42,-0.66,-0.53
2CBE,CYS_206,11.54,-0.17,-0.19,2.91
3H13,ARG_268,13.49,-0.42,0.78,0.63
1MD6,TYR_149,10.18,0,-0.1,0.27
3PBH,TYR_75,10.32,0,0.03,0.3
4AM1,ARG_244,12.25,-0.43,0,0.18
3VHJ,GLU_29,3.93,0.49,-0.68,-0.38
2R05,TYR_22,11.97,0.43,1.55
3BQW,LYR_927,11.07,0,-0.15,1.22
3OIP,LYS_75,9.14,-0.42,0,-0.94
3PP8,ARG_181,11.89,-0.67,0,0.06
3JV1,ASP_174,3.25,-0.82,0,0.27
1PZC,GLU_116,3.9,0.3,-0.82,-0.08
3JZN,ASP_91,2.32,-1.23,-0.61,0.36
2CBE,ARG_246,10.47,-2.52,0,0.49
2OKT,ARG_157,12.38,-0.22,0,0.1
2FXT,ASP_244,3.94,0,-0.03,0.17
3EVP,GLU_253,3.93,0.61,-0.83,-0.34
3RJX,HIS_90,5.2,-2.0,0.56,0.15
1RHS,ASP_238,1.44,-2.46,-0.42,0.52
1NAR,GLU_98,4.89,0.33,0,0.06
3ADO,GLU_189,3.98,1.26,-1.51,-0.27
2E3H,LYS_252,10.3,-0.17,0,-0.03
1ZHV,HIS_133,6.23,-0.21,0,-0.06
3L7N,CYS_178,13.1,-0.38,0.73,3.75
4ETX,ASP_450,3.85,-0.19,0.02,0.23
2CCO,TYR_73,10.04,-0.19,0.05,0.18
3CX2,ARG_238,13.2,-0.68,0.81,0.57
3PBH,CYS_42,12.8,0,0.5,3.3
1DIO,LYS_66,10.68,-0.18,0,0.36
2CYG,ARG_138,12.16,-0.46,0,0.12
1N81,TYR_65,10.48,0.31,0,16
1R2Z,GLU_54,4.75,0.53,-0.29,0
1PV5,HIS_48,6.72,-0.32,0.21,0.32
3V46,LYS_361,9.49,-1.02,0,0
4EKU,CYS_180,12.71,0,-0.01,3.72
3V1Q,ARG_657,12.14,-0.36,0,0.01
1QOE,LYS_183,10.51,-0.22,0,0.24
1EDG,LYS_15,10.13,-0.27,0,-0.1
1PSW,GLU_78,4.61,0.14,0,-0.03
2GZQ,ARG_85,12.43,-0.15,0,0.08
4D8L,ARG_63,12.26,-1.27,0.54,0.5
2R57,LYS_326,10.39,-0.23,0,0.12
1NJ4,GLU_249,5.12,0.98,0,-0.35
1Q46,ARG_63,12.28,-0.22,0,0
3V1Q,ARG_650,12,-0.4,0,-0.1
3H6Q,ASP_35,4.12,0,-0.16,0.48
3ETU,LYS_133,10.22,-0.28,0,0
2R2Y,ASP_104,12.21,-0.29,0,0
3GMS,GLU_304,4.89,0.28,0,0.1
1BGF,HIS_32,5.89,-0.59,0,-0.02
1Y2Q,GLU_50,2.93,0.59,-1.67,-0.5
1JSX,LYS_33,10.42,-0.08,0,0
3ANJ,ARG_150,12.27,-0.23,0,0.01
2IF4,GLU_160,5.33,1.06,-0.09,-0.16
1NAF,ARG_255,13.16,-0.24,0.6,0.3
3ZTA,TYR_107,10.35,-0.46,-0.28,1.08
1ZBS,ARG_152,11.7,-0.97,0,0.16

20B5,LYS_3,10.47,-0.03,0.0
 3V55,CYS_441,8.81,-1.5,-0.03,1.34
 3GS3,ASP_171,2.56,-1.49,-0.32,0.57
 2XHC,LYS_3,10.35,-0.1,0,-0.04
 3KB5,ARG_409,11.7,-0.97,0,0.17
 3GFP,ASP_370,3.9,0,-0.21,0.31
 2AD1,HIS_226,6.3,-0.2,0,0.0
 2VAN,GLU_203,4.71,0.12,0,0.09
 2H2W,TYR_168,12.17,-0.19,0.05,2.31
 2V1L,HIS_28,6.31,-0.29,0,0.11
 3EIZ,LYS_113,10.49,-0.02,0,0.01
 3CJW,GLU_379,5.31,1.51,-0.79,0.09
 4DEZ,GLU_118,4.71,0.16,0,0.05
 3PU6,TYR_39,10.72,0.0,0.23,0.49
 1LTU,ASP_245,4.18,0,0,0.38
 2E3S,ASP_389,3.33,-0.81,-0.07,0.41
 4FLE,ARG_164,11.67,-0.86,0,0.03
 1XFK,ARG_317,13.17,-0.42,0.58,0.52
 3AUF,HIS_128,6.29,-0.21,0,0.0
 1JB3,GLU_121,4.84,0.41,0,-0.08
 4FZR,ARG_67,13.47,-0.57,0.84,0.7
 2ZCO,GLU_71,4.38,0.73,-0.83,-0.03
 2B2H,GLU_323,4.62,0.1,0,0.02
 2DFL,ARG_295,11.22,-1.28,0,0
 1ZBS,LYS_74,10.3,-0.19,0,0.0
 2X4G,GLU_56,4.5,0.1,0,-0.11
 2QEV,LYS_120,10.34,-0.16,0,0
 1XEU,LYS_116,11.45,-0.36,0.85,0.46
 3BCY,LYS_94,10.57,-0.25,0,0.33
 1N81,ASP_155,2.21,-1.81,-0.39,0.6
 2B02,GLU_453,4.58,0.13,0,-0.04
 2BDV,ARG_81,13.22,-0.22,0.52,0.42
 3GV0,TYR_118,9.84,-0.37,0,0.21
 2QZQ,LYS_170,10.24,-0.42,0,0.16
 3A2Z,ASP_194,3.71,-0.51,0.13,0.29
 3GOZ,GLU_41,4.91,0.35,0,0.06
 2FPN,LYS_34,10.46,-0.06,0,0.02
 3EUR,TYR_71,11.8,-0.63,0.74,1.69
 2RIK,LYS_63,10.43,-0.07,0,0
 1L2F,LYS_100,10.34,-0.16,0,0
 1JT9,TYR_128,10.93,0,0.07,0.85
 2P1W,LYS_175,10,-0.72,0,0.21
 3QAV,GLU_160,4.62,0.17,0,0
 2V4X,ARG_85,12.5,-0.06,0,0.06
 2AD1,ASP_218,3.8,-0.03,-0.12,0.16
 1J7G,TYR_108,11.69,0.85,0.33,0.5
 2GEN,ARG_179,13.7,-0.55,1.31,0.45
 1WNH,GLU_92,3.89,0.18,-0.74,-0.05
 1PVT,ASP_33,1.99,-1.85,-0.62,0.67
 1GQE,LYS_109,10.08,-0.44,0,0.02
 3H5T,ASP_78,4.02,0,-0.06,0.28
 1R3D,ARG_108,12.65,-0.34,0.1,0.38
 2FD5,HIS_47,5.85,-0.49,0,-0.16
 1T95,LYS_20,10.12,-0.3,0,-0.08
 2V1L,ASP_69,2.76,-1.33,-0.01,0.3
 2Q98,GLU_93,4.72,0.49,0,-0.27
 4DNU,ARG_368,12,-0.52,0,0.02
 3M66,GLU_185,3.61,0.29,-0.77,-0.41
 1KCM,CYS_231,12.19,0,0.12,3.07
 1MHN,GLU_147,4.83,0.23,0,0.1
 3CIV,GLU_172,4.51,0.33,0,-0.32
 2RIK,TYR_156,10.8,0.09,0.29,0.41
 4F8A,TYR_699,11.53,0.14,1.38
 3RHE,ASP_101,3.84,0,-0.07,0.11
 3GW3,ARG_362,12.48,-0.36,0,0.34
 1ZBP,GLU_39,6.25,1.76,-0.1,0.1
 3QAV,LYS_150,10.48,-0.22,0,0.19
 2Q99,ARG_273,11.23,-1.81,0,0.54
 3S0A,LYS_111,10.13,-0.39,0,0.02
 1SQW,ARG_80,12.28,-0.22,0,0
 2RIS,TYR_15,13.11,-0.85,0.08,3.88
 2W1R,ASP_64,2.25,-1.4,-0.59,0.44
 3BA1,TYR_172,10.09,-0.8,-0.25,1.13
 1QQE,ASP_130,3.85,-0.33,-0.16,0.54
 4FZN,ASP_95,2.98,-1.06,-0.08,0.32
 2YWJ,LYS_53,10.39,-0.15,0,0.04
 3B79,GLU_87,4.55,0.05,0,0
 4FLE,TYR_74,11.54,-0.7,-0.07,2.32
 3H8Y,GLU_97,4.53,0.09,0,-0.06
 4DEZ,ARG_22,12.97,-0.32,0.39,0.4
 3B7X,GLU_106,4.48,2.02,-1.34,-0.71
 1U3Y,CYS_259,8.49,-1.81,0.63,0.67
 1X1E,ARG_206,13.11,-0.29,0.57,0.33
 3IVF,ASP_205,2.02,-2.05,-0.38,0.64
 1SQH,GLU_259,5.13,1.12,0,-0.49
 3CGW,ARG_274,12.91,-0.32,0.46,0.26
 1EV8,LYS_259,10.44,-0.06,0,0
 1T95,ASP_221,4.15,0.0,0.14,0.21
 1I60,TYR_275,11.21,0.23,0.46,0.51
 4FH3,GLU_376,4.55,0.16,0,-0.12
 3UPD,LYS_33,10.12,-0.58,0,0.19
 3F1X,TYR_57,10.55,0.0,0.21,0.34
 2ILR,LYS_425,10.48,-0.54,0,0.52
 2G9D,ARG_276,12.54,-0.22,0,0.26
 4H4J,LYS_164,10.78,-0.24,0,0.53
 3T5B,ARG_87,12.34,-0.16,0,0
 2PGE,ARG_117,12.71,-0.17,0.01,0.37
 1DOV,ARG_211,11.6,-0.9,0,0
 1DVO,GLU_50,4.1,0.3,-0.7,0
 2JEO,HIS_88,6.23,-0.68,0,0.41
 2ILR,LYS_282,10.46,-0.04,0,0
 3CN5,ARG_265,12.4,-0.19,0,0.09
 3M66,TYR_229,13.09,0.85,0.44,1.8
 3H13,HIS_335,5.48,-0.45,0,-0.58
 2H14,LYS_272,10.3,-0.2,0,0
 3GA2,ARG_182,12.29,-0.27,0,0.07
 3ETV,LYS_332,9.79,-0.47,0,-0.24
 3C6B,LYS_223,10.42,-0.26,0,0.17
 1CBY,LYS_29,10.42,-0.08,0,0
 3QAV,LYS_84,10.41,-0.09,0,0
 2D59,TYR_59,9.75,-0.21,-0.42,0.38
 2CYG,GLU_251,3.82,0.73,-0.5,-0.9
 2BLI,HIS_340,6.66,-0.32,0.28,0.2
 3FTT,HIS_132,6,-0.54,0,0.04
 3EZ7,LYS_261,10.82,-0.75,0.39,0.68
 1R16,HIS_24,6.44,-0.24,0,0.18
 2OEW,HIS_279,6.78,-1.26,0.85,0.69
 4H86,TYR_137,10.12,0,-0.06,0.18
 2IF4,ARG_167,12.46,-0.27,0,0.23
 1PZC,GLU_13,4.07,0.32,-0.22,-0.53
 3N2T,ARG_155,12.61,-0.55,0.1,0.56
 3GFP,LYS_474,10.64,-0.08,0,0.22
 2XMX,ARG_174,10.42,-2.71,0,0.64
 2EHG,TYR_53,12.96,0.0,0.17,2.79
 3BA1,CYS_10,10.77,0,-0.04,1.81
 2EJB,ARG_126,12.52,-0.31,0,0.34
 1ES9,CYS_205,13.91,0.59,0.53,3.79
 3CIV,LYS_286,10.56,-0.14,0,0.2
 2GAU,GLU_185,3.27,1.62,-1.95,-0.9
 2H85,LYS_109,10.57,-0.09,0,0.15
 2Z14,GLU_54,3.12,0.8,-1.59,-0.6
 3LOD,CYS_133,8.79,-0.23,-0.17,0.19
 1GXN,ARG_417,12.26,-0.57,0,0.33
 4FZR,TYR_356,10.39,-0.03,-0.18,0.61
 1F09,GLU_276,4.34,0.54,-0.68,-0.02
 3U4K,LYS_90,10.37,-0.45,0,0.32
 1SUU,ASP_596,3.39,-0.55,0,0.14
 2X4J,HIS_125,6.66,-0.39,0.24,0.31
 1XTZ,HIS_152,6.27,-0.48,0,0.25
 3F1X,CYS_153,9.47,0,0.08,0.39
 3PZ9,LYS_125,10.06,-0.47,0,0.03
 2PWQ,ASP_60,3.64,-0.55,-0.02,0.4
 1CHD,ASP_216,3.24,-0.81,-0.09,0.34
 1XIP,LYS_84,10.28,-0.26,0,0.03
 2FI9,ASP_30,3.86,0,-0.06,0.13
 2YLF,ARG_37,12.39,-0.25,0,0.14
 1NAF,GLU_257,4.11,0.4,-0.48,-0.31
 3HZQ,LYS_3,10.45,-0.05,0,0
 3CJW,LYS_340,10.1,-0.49,0,0.09
 3EVN,HIS_285,3.84,-2.37,0,-0.28
 3G9B,LYS_116,10.46,-0.23,0,0.19
 3RKV,ASP_212,4.11,0,0.03,0.27
 3LMF,ASP_82,3.34,-0.51,-0.54,0.58
 3GS9,ARG_64,12.26,-0.42,0,0.18
 1JKS,LYS_222,10.44,-0.48,0,0.42
 1NFN,TYR_118,11.12,-0.36,-0.28,1.76
 3J5N,ARG_133,12.14,-0.86,0,0.5
 1NAR,ASP_94,3.72,-0.13,-0.8,0.85
 1YW5,ARG_81,12.24,-0.26,0,0
 1BKR,ASP_6,3.93,0,-0.22,0.35
 3TOW,CYS_161,10.11,-0.12,-0.47,1.69
 3CAN,GLU_59,2.3,0.74,-2.32,-0.62
 2AD1,HIS_174,2.9,-2.77,0,-0.84
 2IQT,ASP_48,4.05,0,-0.08,0.34
 3R1X,ARG_76,13.66,-0.97,1.26,0.86
 3ELI,GLU_142,5.02,0.59,0,-0.07
 2CL3,GLU_181,4.66,0.22,0,-0.06
 2E3C,GLU_220,3.87,0.47,-0.68,-0.41
 3H13,ASP_269,4.01,0,-0.19,0.4
 3HYQ,ASP_168,3.35,-0.82,-0.16,0.53
 2CBE,ASP_34,3.78,-0.53,0.1,0.4
 2B0A,HIS_40,7.09,-1.93,0.92,1.59
 2ZQ5,HIS_271,6.22,-0.4,0,0.12
 1R3D,ARG_95,9.78,-2.58,0,-0.15
 1L3K,LYS_78,10.31,-0.17,0,-0.02
 4FNZ,ARG_109,12.84,-0.46,0.46,0.35
 1SNT,ARG_56,11.46,-1.26,0.05,0.19
 3CIV,GLU_164,4.7,0.98,-0.62,-0.16
 2CYG,GLU_322,5.52,1.11,0,-0.09
 2EJX,ASP_124,3.26,-1.68,0,1.14
 3IV4,CYS_30,8.31,-1.23,0.01,0.54
 3H5T,GLU_246,5.8,4.11,-2.17,-0.65
 1XIP,GLU_261,4.33,1.55,-1.23,-0.49
 2BQQ,TYR_138,11.98,-0.83,0.44,2.36
 3BQW,GLU_105,4.31,0.54,-0.51,-0.21
 2R4Q,LYS_171,10.59,-0.3,0,0.39
 3EZ7,GLU_190,4.86,0.16,0,0.2
 2QK1,LYS_486,10.66,-0.32,0,0.48
 4EF5,ASP_297,3.84,0,-0.25,0.3
 3P28,GLU_174,6.49,2.89,-0.85,-0.05
 4ETX,ARG_382,12.77,-0.47,0.33,0.42
 2JKF,LYS_164,11.54,-0.64,0.85,0.83
 1ZYL,ARG_58,12.09,-2.12,0.54,1.16
 4AF2,LYS_33,10.47,-0.15,0,0.11
 4H86,GLU_170,4.33,0.49,-0.66,0
 2AZP,HIS_293,6.03,-0.32,0,-0.15
 1YW5,GLU_108,4.54,0.17,0,-0.13
 1QLL,ARG_24,11.88,-1.06,0,0.43
 1ILW,ARG_152,12.39,-0.14,0,0.03
 2CWY,ARG_36,12.03,-0.47,0,0
 2YWJ,LYS_27,10.43,-0.48,0,0.42
 1NIJ,ASP_82,3.68,-0.44,-0.21,0.53
 3A0X,LYS_750,11.25,-0.53,0.85,0.43
 1R53,LYS_287,10.5,-0.15,0,0.15
 2APL,ASP_39,4.08,0,-0.04,0.32
 3F6F,ASP_87,3.05,-0.94,-0.18,0.36
 1YB2,TYR_110,10.16,0.09,0,0.06
 2CIU,GLU_136,3.39,0.66,-1.51,-0.26
 1H09,TYR_17,10.92,0.21,0.4,0.32
 3G9B,LYS_96,10.24,-0.35,0,0.08
 2EEY,LYS_153,10.43,-0.07,0,0
 1BKR,LYS_5,11.35,-0.46,0.85,0.46
 3PZ9,GLU_308,4.48,0.17,0,-0.19
 2BDV,GLU_16,4.05,0.29,-0.5,-0.24
 3C6B,TYR_279,10.02,0,-0.05,0.07
 3EVZ,GLU_216,4.53,0.28,0,-0.25
 1T95,ARG_115,12.07,-0.48,0,0.05
 3E7P,GLU_199,4.18,0.45,-0.42,-0.35
 3AUF,GLU_180,4.67,0.58,0,-0.4
 2CWC,TYR_267,12.37,0.0,0.49,1.88
 3LD1,ARG_281,12.34,-0.18,0,0.02
 1SIG,ASP_125,2.94,-0.85,-0.4,0.39
 1T95,ARG_237,13.25,-0.25,0.73,0.27
 1WNH,ARG_12,12.24,-0.83,0,0.56
 3K8U,TYR_82,10.84,-0.85,0.04,1.65
 3UC9,GLU_182,4.59,0.15,0,-0.06
 1VJG,ARG_10,12.67,-0.47,0.1,0.54
 3GE9,CYS_14,9.79,-0.47,0.05,1.21
 3LMO,GLU_86,2.87,0.4,-1.59,-0.44
 3ASA,GLU_303,4.71,0.33,0,-0.11
 3KEY,ASP_335,3.58,-0.29,-0.2,0.27
 1MJS,ARG_291,12.34,-0.28,0,0.13
 1XDZ,CYS_90,12.49,0,0.3,0.49
 2BDV,LYS_106,10.54,-0.23,0,0.28
 2G9D,ARG_225,12.49,-0.12,0,0.11
 3VJ8,GLU_137,4.6,0.1,0,0
 1V43,TYR_259,10.34,-0.22,0.28,0.28
 1SQW,ARG_43,12.99,-0.38,0.24,0.63
 3GS3,GLU_36,4.79,0.34,0,-0.06
 3V75,ASP_174,3.15,-1.73,-0.19,1.27
 2C13,LYS_99,10.52,-0.11,0,0.13
 2FZ4,LYS_188,10.17,-0.3,0,-0.03
 2GZQ,GLU_64,4.53,0.21,0,-0.18
 3IPZ,LYS_77,10.43,-0.07,0,0
 1O9G,ARG_75,12.58,-0.2,0,0.28
 1R6Y,LYS_82,10.28,-0.22,0,0
 2IF4,ARG_75,12.37,-1.11,0.28,0.68
 4FH3,HIS_194,4.17,-1.66,0,-0.66
 1D2K,TYR_81,10.14,-0.12,-0.35,0.61
 3V4G,GLU_20,3.87,0.43,-0.72,-0.35
 3J5N,GLU_48,4.41,0.2,0,-0.29
 3J5N,TYR_275,11.12,-0.79,0,1.91
 2ILR,GLU_467,4.1,0.24,-0.62,-0.02
 3ZRI,HIS_147,6,-0.31,0,-0.19
 1WLJ,CYS_233,12.39,0,-0.02,3.41
 1OXZ,GLU_271,4.68,0.11,0,0.07
 3GE9,TYR_60,10.86,0.0,0.11,0.76
 2JKF,ASP_31,3.42,-0.95,0,0.57
 1FHL,CYS_118,11.59,-0.37,0.01,2.95
 3HZQ,TYR_63,10.2,0,0,0.2
 2OEW,GLU_45,4.15,0.3,-0.14,-0.5
 2P5D,LYS_189,10.05,-0.33,0,-0.11
 2ZQ5,ARG_92,12.01,-0.6,0,0.11
 3CCY,ARG_73,12.89,-0.43,0.39,0.44
 2H2Z,HIS_164,1.6,-3.43,0,-1.47
 3CGW,CYS_239,10.4,0.0,0.1,1.39
 1PDB,ARG_65,11.67,-0.97,0,0.14
 3HUE,GLU_124,4.41,0.28,-0.38,0
 2IF4,GLU_276,3.53,0.28,-0.53,-0.71
 4FD6,GLU_157,4.02,0.38,-0.46,-0.4
 3PZ9,LYS_118,11.75,-0.5,0.85,0.9
 3RLN,ASP_576,3.75,0,-0.31,0.27
 2ILR,LYS_528,10.18,-0.42,0,0.09
 1NWA,ARG_22,12.96,-0.91,0.78,0.6
 3ETU,ARG_267,13.51,-1.08,0.85,1.24
 2B0A,CYS_42,10.64,-0.84,0,2.48

3B21,ARG_79,11.76,-0.84,0,0.1
2POY,GLU_293,4.67,0.3,0,-0.13
3M7D,ASP_365,3.76,-0.05,-0.21,0.22
3GW3,ARG_148,12.15,-0.3,0,-0.04
2ZOW,LYS_51,10.13,-0.15,0,-0.23
1NFN,CYS_112,10.79,-0.02,-0.24,2.05
2OEW,LYS_202,10.69,-0.33,0,0.51
1S1Y,ARG_124,12.57,-0.54,0,0.61
100X,ARG_216,13.06,-0.37,0.53,0.39
2GZQ,CYS_167,9.97,0,0,0.97
2CXV,ASP_21,2.31,-1.67,-0.38,0.56
1QQE,TYR_134,10.44,0,0,0.4
2P1W,CYS_182,10.23,0,0,0.114
2DVK,HIS_94,6.7,-0.73,0.62,0.31
3V3T,LYS_302,10.59,-0.5,0.16,0.44
3N2T,ARG_40,12.24,-0.34,0,0.09
2C2Y,ASP_13,3.49,-0.35,-0.41,0.43
2B2H,LYS_361,10.26,-0.24,0,0
1UAJ,ARG_154,12.4,-0.19,0,0.09
2NRK,GLU_71,4.08,0.41,-0.85,0.02
3EGN,GLU_393,3.86,0.48,-1.13,0
2APL,LYS_15,9.76,-0.94,0,0.2
2AZL,ARG_90,12.98,-1.22,0.81,0.89
2YYO,ARG_158,12.4,-0.21,0,0.11
1AK1,ARG_31,11.99,-0.44,0,-0.07
2P4D,TYR_124,13.14,0.85,0.6,1.7
1JKS,GLU_59,3.89,0.21,-0.53,-0.29
1RWZ,LYS_65,10.04,-0.98,0,0.51
2P4D,LYS_40,10.34,-0.16,0,0
3LH5,GLU_570,4.02,0.32,-0.34,-0.47
3IU5,ASP_108,3.16,-1.05,0,0.42
2POL,ASP_25,4.12,0,-0.03,0.34
3CGW,CYS_277,10.79,0,0.19,1.6
3RNV,LYS_340,10.39,-0.2,0,0.09
4F8A,TYR_609,12.97,-1.26,1.91,2.31
3M66,LYS_350,10.33,-0.17,0,0
3S0A,TYR_110,11.51,0.82,0.09,0.59
1AK1,GLU_20,3.96,0.26,-0.65,-0.15
2VGY,GLU_112,3.8,2.15,-1.68,-1.18
3M7G,LYS_248,10.37,-0.13,0,0.01
2R0S,LYS_95,10.43,-0.22,0,0.15
1TWU,ARG_14,12.5,-0.63,0.18,0.46
3C38,GLU_105,4.74,0.17,0,0.07
2F19,ARG_95,12.25,-0.27,0,0.03
3G9B,CYS_55,9.1,-0.18,0,0.28
3PU6,CYS_7,12.59,-0.02,0.04,3.57
3CS1,TYR_71,10.42,0.6,94E-18,0.41
3M66,LYS_186,11.56,-0.26,0.85,0.47
3B79,ASP_109,4.16,0,0,0.04,0.33
2PP6,ASP_6,3.98,0,0,0.18
1AKO,GLU_183,4.04,4.22,-2.98,-1.69
1J33,ARG_279,13.52,-0.32,0.92,0.41
2CWC,TYR_141,11.1,-0.2,0.05,1.26
1Q2Y,LYS_52,10.54,-0.21,0,0.24
3RFF,GLU_98,4.41,1.36,-0.8,-0.66
3TMO,GLU_197,4.75,0.19,0,0.06
2IQT,ASP_38,3.79,-0.15,-0.08,0.22
3Q6L,LYS_82,11.66,-0.24,0.85,0.55
3FWU,ASP_55,3.84,0,-0.19,0.22
1EW4,HIS_7,6.93,-0.37,0.32,0.47
1WXQ,ARG_311,12.85,-0.69,0.4,0.64
2POL,ASP_236,4.36,0,0.22,0.35
2H8O,ARG_293,12.83,-0.38,0.35,0.36
3BWT,ASP_594,3.4,-0.78,-0.01,0.39
2BV9,TYR_167,11.74,-0.01,0.08,1.67
3BB7,LYS_358,11.49,-0.34,0.85,0.49
2AZP,ARG_17,13.55,-1.96,1.57,1.44
3C2E,CYS_66,11.24,0,0.02,2.23
3CS1,GLU_106,5.1,0.44,0,0.17
4E9E,ARG_468,12.28,-0.22,0,0
2FZ4,GLU_147,4.27,0.29,-0.09,-0.45
2R4Q,GLU_223,4.78,0.15,0,0.12
3ONT,LYS_134,10.72,-0.21,0.43,0
4FH3,ASP_82,3.92,0,-0.05,0.17
2VAN,GLU_288,4.31,0.2,-0.16,-0.23
1WRU,ARG_270,12.89,-1.07,0.5,0.96
3I4T,HIS_205,6.52,-0.22,0.16,0.08
2O8P,ASP_155,4.38,0,0,0.59
2WOZ,LYS_494,10.72,-0.3,0.06,0.45
3A7L,LYS_11,10.25,-0.28,0,0.03
3ETV,LYS_343,10.39,-0.11,0,0
3GEC,LYS_500,10.69,-0.1,0,0.28
1CHD,LYS_205,10.44,-0.17,0,0.11
2R2Y,LYS_113,10.45,-0.05,0,0
2HXB,ASP_150,3.87,0,-0.23,0.3
4D8L,ARG_70,12.49,-0.97,0.45,0.51
1EYH,ARG_114,12.49,-0.05,0,0.04
1ILW,ASP_88,3.71,-0.34,-0.08,0.33
3GE9,GLU_130,4.58,0.12,0,-0.04
3U2R,ARG_121,13.51,-0.29,0.7,0.6
3C6B,GLU_93,3.87,0.39,-0.78,-0.23
2Z14,TYR_39,11.42,-0.05,-0.02,1.47
2NRK,GLU_14,4.69,0.16,0,0.04
1O5T,LYS_264,10.37,-0.29,0,0.16
3H5T,LYS_292,10.36,-0.29,0,0.14
2Z0M,LYS_331,11.35,-0.44,0.85,0.44
1MJS,LYS_408,10.29,-0.21,0,0
3BWT,HIS_721,5.71,-0.78,0,0
2CWV,TYR_18,10.22,0,0.06,0.15
4AM1,TYR_89,11.21,-0.05,-0.07,1.33
2FZ4,LYS_37,10.61,-0.29,0,0.4
3TRE,LYS_47,11.3,-0.35,0.73,0.42
2GYZ,ARG_63,12.24,-0.26,0,0
2R2Y,LYS_44,10.24,-0.09,0,-0.16
1YTQ,LYS_41,11.32,-0.23,0.67,0.38
2P4D,ARG_13,13.76,-0.41,0.97,0.7
3EJC,ARG_155,12.2,-0.41,0,0.11
2Z61,LYS_265,10.59,-0.64,0.15,0.58
3DTE,GLU_102,4.76,0.2,0,0.06
3O7K,ARG_115,12.47,-1.04,0.11,0.89
3US6,ASP_12,3.86,0,-0.22,0.28
3E7P,TYR_146,11.18,0,-0.01,1.19
1P2F,LYS_129,10.77,-0.92,0.48,0.71
1IAP,ASP_211,3.4,-0.76,-0.08,0.45
2YLF,ARG_147,11.89,-0.86,0,0.25
1F2V,ARG_127,12.44,-0.32,0,0.25
3DTE,ASP_232,4.07,-0.02,0,0.3
3F5D,GLU_176,4.24,0.23,-0.3,-0.19
3RFY,ASP_391,3.72,-0.31,0,0.23
2Q99,ASP_70,3.34,-0.59,-0.21,0.33
1DZF,TYR_208,10.1,0.04,0,0.07
2Q5X,TYR_866,12.03,0,0,2.03
2YX0,LYS_116,11.26,-0.55,0.75,0.57
4EKU,GLU_119,6.22,2.18,-0.62,0.17
4FH3,GLU_333,5.08,0.99,0,-0.4
1RIS,ARG_47,12.18,-0.27,0,-0.04
1PNE,CYS_127,12.11,-0.95,0.22,3.85
3GYW,TYR_75,10.49,0,0.2,0.29
1LTU,TYR_262,12.24,0,0.09,2.15
2B3M,TYR_19,12.93,0.7,0.79,1.44
1FQI,LYS_397,10.3,-0.2,0,0
3FHF,LYS_32,10.05,-0.66,0,0.22
3M66,HIS_345,6.09,-1.05,0.84,-0.21
2VAN,ARG_152,12.01,-0.64,0,0.15
3M7G,GLU_54,5.16,0.37,0,0.28
3SMD,TYR_90,10.46,0,0.2,0.27
3JZN,LYS_268,10.46,-0.04,0,0
2IXM,GLU_141,4.11,1.97,-0.85,-1.49
1FHL,HIS_81,5.15,-3.28,0.69,1.25
3BQW,GLU_157,4.61,0.11,0,0
3BQW,TYR_253,11.71,0,0.53,1.17
2OBI,CYS_37,12.73,0,0.02,3.71
3LH5,HIS_566,5.66,-1.05,0.21,0
2AD1,HIS_98,6.34,-0.17,0.21,-0.2
1WRU,GLU_111,4.43,0.92,-0.58,-0.41
1R53,GLU_232,4.55,0.72,-0.39,-0.3
2J8A,LYS_320,10.38,-0.1,0,-0.01
3C6B,LYS_203,10.32,-0.19,0,0.01
2C2Y,LYS_102,10.5,-0.14,0,0.14
1DVO,LYS_42,10.42,-0.08,0,0
1N81,GLU_135,4.41,1.06,-0.59,-0.56
4F8A,HIS_579,4.9,-1.61,0,0.02
1MTZ,ASP_80,4.23,0,-0.02,0.44
2PLQ,LYS_36,10.45,-0.2,0,0.15
3BJV,ASP_21,3.11,-1.01,-0.21,0.53
1LZL,GLU_146,3.7,0.41,-0.76,-0.44
2O4D,ASP_109,3.84,0,-0.15,0.2
2IQT,HIS_96,6.01,-0.64,0.03,0.12
3QKY,TYR_112,10.87,-0.59,-0.13,1.59
1PSW,ARG_334,12.31,-0.27,0,0.07
3BCH,TYR_156,9.96,-0.16,-0.19,0.3
3U2R,GLU_34,4.55,0.22,0,-0.17
1Q8B,ASP_25,3.62,-0.2,-0.13,0.15
2ZQ5,ARG_256,12.19,-0.74,0.06,0.37
2QEV,ASP_53,3.42,-0.89,-0.46,0.97
3IU5,GLU_70,4.69,0.24,0,-0.04
2IN0,TYR_79,10.53,0,0.34,0.2
3ERF,TYR_92,10.54,0,0.09,0.45
3ASA,ARG_348,13.33,-0.37,0.73,0.47
2P52,TYR_104,10.41,0,0.01,0.4
4GA2,GLU_142,4.49,0.26,0,-0.26
1YLN,LYS_177,10.4,-0.35,0,0.24
3BQE,ASP_223,3.94,-0.45,-0.06,0.66
3KT9,GLU_50,3.31,0.65,-1.25,-0.59
1X1E,GLU_53,3.92,1.09,-1.29,-0.4
3BWT,LYS_857,10.42,-0.32,0,0.25
2OPJ,ARG_142,12.39,-0.19,0,0.07
1ANU,GLU_126,4.59,0.4,-0.39,0.09
3BQW,HIS_91,5.2,-1.07,0,-0.23
1UW7,CYS_73,9.5,0,-0.1,0.61
1EV8,ASP_110,2.3,-2.64,-0.51,1.65
3MIX,HIS_480,6.37,-1.15,0.85,0.17
2G9D,TYR_206,12.01,0,0.58,1.44
1D2K,TYR_50,12.14,0.77,0.62,0.75
2PGE,LYS_150,10.36,-0.39,0,0.25
3CN5,TYR_145,12.86,0,-0.11,2.97
2QV2,ASP_149,4.15,-0.03,0,0.39
1JKS,GLU_294,4.48,0.32,-0.32,-0.02
2Z0M,HIS_302,6.1,-1.37,0.85,0.12
1QSZ,HIS_611,7.25,-0.29,0.85,0.19
3GYW,TYR_49,10.29,0,0.03,0.26
1OST,ASP_322,4,0,-0.79,0.98
2Q13,GLU_216,4.74,0.25,0,-0.01
1YOY,CYS_65,9.45,-0.02,0.07,0.4
1EDG,LYS_114,10.3,-0.17,0,-0.03
3RHE,LYS_59,11.53,-0.25,0.85,0.43
3JSN,ARG_173,12.27,-0.13,0,-0.1
1AK1,ASP_278,3.5,-0.32,-0.36,0.39
2QRK,LYS_64,10.44,-0.1,0,0.04
2XHC,ARG_183,12.79,-0.3,0,0.58
3OBS,GLU_5,3.37,0.32,-0.76,-0.69
1RHS,GLU_143,4.61,0.13,0,-0.02
2IDC,ASP_133,3.66,-0.2,-0.27,0.34
4GA2,GLU_144,4.54,0.04,0,0
3GMS,ARG_175,11.92,-0.68,0.0,1.1
4H4J,GLU_176,4.02,0.41,-0.68,-0.21
1QQL,CYS_17,10.31,-2.01,-0.05,3.37
3VHJ,ASP_125,3.06,-0.55,-0.56,0.38
3CS1,GLU_131,4.86,1.59,-0.77,-0.45
3MTT,GLU_493,4.55,0.2,0,-0.15
3BPP,TYR_44,11.62,0,0.01,1.61
3HKX,ASP_229,4.32,-1.38,0.18,1.71
1T07,TYR_79,12.33,0.85,0.54,0.94
3ASA,GLU_157,4.78,0.24,0,0.04
3LPZ,GLU_142,3.57,1.21,-1.6,-0.55
1WXQ,GLU_240,4.5,0.57,-0.38,-0.19
3V46,TYR_342,11.09,0,0.06,1.02
2R57,CYS_263,9.88,-0.21,0.35,0.75
3JSN,LYS_265,10.17,-0.33,0,0
2IDC,GLU_39,4.84,0.36,0,-0.02
3LJC,GLU_201,5.07,0.29,0,0.28
2B61,ASP_343,2.93,-2.02,0,1.14
2OSA,LYS_316,11.59,-0.55,0.8,0.85
3TOW,HIS_196,6.78,-0.44,0.68,0.04
3KHU,TYR_6,10.25,0,-0.07,0.33
3DHU,ASP_132,4.56,0.06,0,0
4EZB,ARG_289,12.28,-0.28,0,0.06
3OOP,ASP_61,2.45,-1.67,-0.06,0.39
3B21,GLU_196,3.61,1.26,-1.27,-0.89
1XKR,ASP_55,3.44,-0.74,0,0.38
1U53,LYS_76,10.36,-0.14,0,0
2FZ4,CYS_112,10.51,-0.32,0.54,1.29
1WPA,TYR_467,10.78,0.05,0.23
3GEC,ASP_432,4.28,-0.47,-0.53,1.48
1NWA,ASP_59,2.72,-1.52,-0.03,0.47
1R9W,GLU_338,5.18,0.88,0,-0.2
2F4Q,ARG_227,12.16,-0.84,0.0.79
2O4D,ASP_73,9.13,-0.18,-0.17,0.47
3CB9,GLU_204,4.09,0.36,-0.76,-0.01
1DCF,GLU_15,4.64,0.06,0,0.07
2D7J,LYS_45,10.3,-0.21,0,0.01
1RSS,GLU_57,4.5,0.14,0,-0.14
2CXA,HIS_128,5.68,-0.82,0,0
2D59,GLU_115,3.92,0.22,-0.26,-0.55
1T3Y,LYS_175,10.01,-0.37,0,-0.11
2AZL,ARG_259,12.39,-0.11,0,0
3RVC,ARG_88,12.42,-0.16,0.07,0
4DBX,GLU_184,3.04,0.52,-1.55,-0.43
3NJM,ASP_91,4.74,0.03,0.03,0.91
1RWZ,ASP_72,4.43,0.2,0.2,0.42
1TXJ,ASP_140,3.47,-0.86,-0.06,0.59
1VSM,ASP_82,4.18,-0.72,0,1.1
1BN6,ASP_291,2.94,-0.85,-0.42,0.41
2O8P,GLU_32,3.92,0.64,-0.85,-0.37
3TMO,ASP_256,3.9,0,0,1.1
1L2F,ARG_104,12.39,-0.11,0,0
2Q13,LYS_172,10.97,-0.16,0.24,0.39
2FBQ,LYS_128,11,-0.17,0.4,0.27
4EVF,LYS_242,10.46,-0.04,0,0
3V4G,CYS_68,10.95,0,0.39,1.57
1RIS,LYS_267,10.34,-0.19,0,0.03
3MTT,GLU_482,4.65,0.15,0,0
1RHS,ARG_229,12.56,-0.37,0,0.43
1X9G,LYS_182,10.21,-0.38,0,0.09
2GZQ,HIS_130,6.58,-2.06,0.97,1.17
1ZBS,CYS_89,10.1,-0.35,-0.02,1.47
1M5I,ASP_213,13.2,-0.48,0.47,0.7
1Q2Y,ASP_140,4.25,0.2,0.2,0.26
3T8R,LYS_121,11.03,-0.39,0.35,0.58
1WXF,LYS_9,10.43,-0.07,0,0
1H09,HIS_132,6.49,-0.18,0,0.17
1FQI,LYS_398,10.65,-0.09,0,0.25
3LH5,ARG_663,12.64,-0.3,0.01,0.43
2X5Y,HIS_807,4.86,-1.75,0,0.11
3BZT,LYS_287,10.73,-0.25,0,0.49
1SFE,ARG_129,12.34,-0.17,0,0.01

1QZN,LYS_119,10.25,-0.25,0,0
1S18,GLU_567,5.29,0.29,0.26,0.24
1YW5,ASP_36,3.98,0,0,0.18
4F8A,ASP_566,3.87,-0.08,-0.22,0.37
2CE6,LYS_77,10.37,-0.29,0,0.15
2JKF,TYR_55,10.54,0,0.28,0.26
1JT9,ARG_33,12.08,-0.43,0,0.01
2BAA,ASP_32,1.88,-1.92,-0.39,0.39
1JSX,ASP_194,3.89,0,0.03,0.06
2DU,ARG_96,10.67,-1.85,0,0.03
3ETV,ASP_68,2.84,-1.06,-0.48,0.58
3NR5,TYR_48,11.39,0,0.41,0.98
3CBN,CYS_58,11.61,0.04,0.83,1.73
2A4D,ASP_114,4.04,0,0.07,0.17
1NAR,LYS_182,10.61,-0.13,0,0.24
1LFP,LYS_72,10.2,-0.36,0,0.06
2IXM,HIS_237,5.64,-0.82,0,-0.03
2DVK,HIS_66,6.13,-0.24,0,-0.14
3M70,ASP_229,3.88,0,-0.04,0.12
1EYH,GLU_42,3.95,0.3,-0.52,-0.34
2CN1,HIS_243,6.04,-0.5,0,0.04
1MTZ,GLU_71,4.17,0.77,-0.84,-0.27
2PLQ,ARG_241,13.53,-0.23,0.84,0.43
1WNH,GLU_154,3.92,1.91,-1.63,-0.86
1XKR,ARG_200,12.33,-0.42,0,0.25
4GA2,HIS_63,5.86,-1.36,0.77,-0.06
2YX0,ASP_106,3.82,-0.91,0.19,0.75
3GW3,ASP_197,4.72,0,-0.25,1.17
3ANJ,LYS_194,10.56,-0.07,0,0.14
3F6F,TYR_44,12.16,-0.85,0.35,2.66
1WRU,GLU_184,4.64,0.27,0,-0.13
3Q9P,ASP_100,3.67,-0.35,-0.06,0.28
1SQH,ARG_245,12.32,-0.44,0,0.25
2H01,GLU_64,5.59,1.42,0,-0.33
2PSD,LYS_20,10.36,-0.25,0,0.1
3GMS,HIS_9,7.24,-0.42,0.85,0.3
3LJC,GLU_126,4.86,0.16,0,0.19
2XWS,HIS_24,5.53,-0.75,0,-0.22
2DFL,ARG_83,12.12,-0.38,0,0
3HKX,ASP_120,2.66,-1.68,-0.31,0.86
3ANJ,HIS_219,3.14,-3.05,0,-0.31
2C2Y,ASP_72,3.94,-0.01,-0.06,0.22
2INO,HIS_41,6.14,-0.38,0,0.02
3H04,HIS_59,5.89,-0.4,0,-0.21
3LJC,GLU_194,5.02,0.24,0,0.29
1KCM,LYS_235,10.58,-0.37,0,0.44
1MJS,ASP_407,4.03,0,0,0.23
4F85,GLU_89,6.72,3.5,-0.84,-0.44
1MD6,GLU_33,4.49,0.31,0,-0.32
3KEY,GLU_450,4.89,1.05,0,-0.66
1NWA,ARG_105,13.09,-0.18,0.46,0.3
2HRZ,ARG_1,12.46,-0.04,0,0
4ETX,ASP_310,2.77,-0.86,-0.47,0.3
2B2H,TYR_327,10.44,0,0,0.44
4DNU,HIS_26,2.67,-3.19,0.09,-0.72
3EAZ,GLU_100,3.59,0.36,-0.85,-0.43
1SI7,ARG_116,11.87,-0.64,0,0.01
1DTP,ASP_13,4.08,0,0,0.28
2AH5,GLU_186,4.64,0.19,0,-0.05
1R3F,ASP_27,3.59,-0.34,-0.13,0.26
2QDJ,LYS_164,9.93,-0.66,0,0.08
1OIS,TYR_240,10.1,-0.31,-0.06,0.48
3M7D,ARG_250,10.89,-2.81,0,1.21
3IVF,GLU_386,4.65,0.15,0,0
3BQW,ASP_183,2.68,-1.42,-0.11,0.4
1V6T,ARG_2,12.86,-1.01,0.83,0.54
1NIJ,HIS_170,5.88,-0.69,0,0.07
3EIZ,LYS_164,11.51,-0.26,0.85,0.42
2YLF,TYR_134,11.09,0,0.74,0.34
3OKQ,GLU_627,4.11,0.57,-0.85,-0.1
2QDJ,LYS_136,10.44,-0.64,0,0.58
2GEN,ARG_120,12.42,-0.1,0,0.01
1TXJ,ASP_16,2.78,-1.21,-0.45,0.63
1ZBS,ASP_108,3.91,0,-0.09,0.21
1HF8,LYS_231,10.37,-0.13,0,0
3QAV,GLU_47,4.57,0.07,0,0
2Y2T,LYS_49,10.55,-0.17,0,0.23
1X04,ARG_80,12.41,-0.23,0,0.13
3COU,GLU_70,3.04,1.61,-2.43,-0.65
3TRE,HIS_93,6.37,-0.37,0.06,0.17
2FZP,ARG_265,12.42,-1.1,0.46,0.56
3B4D,HIS_193,7.52,-0.19,0.85,0.37
4FH3,CYS_159,13.05,0.04,5.3,6
1OXZ,LYS_174,11.53,-0.28,0.42,0.88
2YWJ,GLU_33,4.12,0.3,-0.7,0.02
2X5Y,LYS_758,11.32,-0.28,0.59,0.51
3ONT,ARG_133,12.51,-0.25,0.25,0
1TJE,ASP_168,4.26,0,0.15,0.3
3GW3,LYS_104,10.4,-0.1,0,0
3GS9,GLU_137,4.99,0.55,0,-0.06
1RAJ,HIS_80,5.14,-1.69,0.7,-0.38
2H2W,ASP_202,3.96,0,-0.03,0.19
3HQX,GLU_56,5.61,1.55,-0.42,-0.02
3M70,ASP_175,3.3,-0.84,-0.11,0.46
2X4J,ASP_120,4.05,0,0.03,0.2
3LOD,ARG_77,12.91,-0.89,0.68,0.62
1Q42,TYR_24,9.83,-0.95,0.07,0.71
3V3T,ARG_167,12.68,-0.93,0.34,0.77
2BT8,CYS_222,10.72,-0.31,0.19,1.84
3GEC,ASP_405,4.07,-0.75,-0.19,1.2
1RIS,HIS_144,5.09,-3.3,0.76,1.13
2B6P,TYR_219,12.04,0.66,-0.03,1.39
3EJC,LYS_47,10.45,-0.05,0,0
2GZR,GLU_230,3.78,0.57,-1.25,-0.04
3P28,CYS_240,10.2,-0.15,5.55E-17,1.35
3DSH,LYS_243,10.35,-0.29,0,0.14
3DHN,ARG_106,13.08,-1.63,1.26,0.94
1AKO,GLU_165,2.78,0.41,-1.51,-0.62
4FZR,ASP_352,2.7,-1.15,-0.36,0.41
4DBX,LYS_70,10.21,-0.28,0,-0.01
1WPA,LYS_506,10.48,-0.57,0,0.55
2O0K,LYS_111,10.49,-0.19,0,0.19
3JSN,GLU_46,3.85,2.46,-2.39,-0.73
2I6I,ASP_38,3.23,-0.54,-0.47,0.44
1BKB,ASP_98,2.42,-1.84,-0.18,0.64
2HRZ,GLU_167,4.67,4.09,-2.45,-1.46
2XJ4,ARG_225,12.63,-0.27,0,0.4
3I4T,GLU_104,4.59,0.19,0,-0.1
3C6B,TYR_126,13.19,0,1.16,2.03
3ILC,TYR_173,11.98,-0.69,0.19,2.48
2R51,TYR_183,12.89,-0.8,0.45,3.23
3UPD,HIS_280,6.51,-1.59,0.9,0.69
1ES9,TYR_191,11.08,0,0.52,0.56
2R2Y,CYS_88,9.47,0,-0.06,0.53
1PGV,GLU_301,4.55,0.66,-0.46,-0.16
2ZOW,ARG_23,12.2,-0.3,0,0
1YLN,ASP_80,3.84,-0.43,0,0.46
4DNU,GLU_271,4.43,0.15,0,-0.22
3RJX,HIS_235,3.79,-2.71,0,0
4D8L,TYR_156,11.84,-0.24,-0.13,2.23
1DZF,LYS_161,10.94,-0.85,0.85,0.44
3ONT,ASP_105,3.77,-0.13,0,0.1
3RLE,GLU_187,4.59,0.09,0,0
1RWZ,ASP_134,2.89,-1.63,-0.02,0.75
2ZTY,TYR_122,10.3,0,0,0.3
1OTM,GLU_241,4.54,0.11,0,-0.07
2XMZ,GLU_203,4.36,0.45,0,-0.58
3CJW,GLU_189,5.4,3.68,-1.21,-1.56
3HUE,ARG_49,12.05,-0.43,0,-0.02
3BCH,TYR_204,10.42,-0.11,0.31,0.22
2H14,CYS_134,13.75,-0.2,0.96,3.98
1F09,GLU_354,4.08,0.31,-0.79,0.07
1PSW,ASP_329,3.34,-0.81,-0.06,0.41
3LJN,ARG_34,13.5,-0.27,0.82,0.44
1OIS,LYS_320,10.35,-0.18,0,0.04
2FC3,LYS_117,11.33,-0.32,0.72,0.43
1ES9,GLU_150,4.6,0.34,0,-0.24
3LJN,ASP_63,3.99,0,-0.04,0.23
1X04,GLU_94,4.17,0.73,-0.35,-0.72
3RLN,GLU_595,4.51,0.15,0,-0.14
2X5Y,ASP_883,4.08,-0.3,-0.42,1
3MTT,GLU_593,3.48,0.35,-0.85,-0.52
1R3D,GLU_149,3.82,0.31,-0.75,-0.24
1NFN,ASP_154,2.29,-1.3,-0.88,0.67
1OLR,TYR_161,11.69,-0.05,-0.05,1.79
1V43,LYS_20,10.11,-0.76,0,0.36
2OYZ,ASP_72,3.49,-0.45,-0.21,0.35
2WB8,TYR_747,13.97,-0.78,0.96,3.79
3BA1,ARG_175,12.51,-0.1,0,0.11
3LD1,GLU_222,4.57,0.3,0,-0.24
3F6F,HIS_57,5.89,-0.65,0,0.03
2B78,ASP_43,3.58,-0.18,-0.3,0.25
1NRI,ARG_17,12.38,-0.13,0,0.01
1LPL,TYR_168,10.71,0,0.15,0.56
2INO,GLU_99,4.7,0.09,0,0.11
1SUU,CYS_552,11.47,-0.69,-0.02,3.17
3HUE,GLU_83,4.48,0.1,0,-0.12
1OXZ,GLU_172,4.55,0.15,-0.1,0
3JZ9,GLU_425,2.44,1.25,-2.74,-0.56
3V55,TYR_407,12.94,0.11,0.17,2.66
2R2Y,GLU_119,3.57,0.34,-0.66,-0.61
3F6F,ASP_81,2.65,-1.2,-0.35,0.41
3H5T,TYR_53,10.29,0,0,0.29
1W24,HIS_124,6.32,-0.41,0,0.23
3BPV,ARG_24,12.44,-0.08,0,0.02
2V4U,ASP_496,3.29,-0.8,-0.09,0.38
1DCF,GLU_64,4.8,0.3,0,0
2RGY,ARG_138,12.7,-0.4,0.04,0.56
2QVT,ASP_108,3.63,-0.53,-0.02,0.38
3GW3,ARG_249,12.38,-0.28,0,0.16
1Q46,TYR_113,10.66,0.03,0.32,0.33
3IVF,GLU_38,4.2,0.34,-0.64,0
2F9F,GLU_98,5.24,1.96,-0.85,-0.37
2APL,ARG_74,11.88,-0.83,0,0.22
1O17,LYS_42,10.37,-0.14,0,0.01
2PWW,LYS_69,10.22,-0.31,0,0.02
3HVM,LYS_233,10.6,-0.2,0,0.3
1O59,LYS_326,10.08,-0.88,0.04,0.41
1HF8,ARG_206,12.27,-0.79,0,0.57
1WPA,LYS_485,10.35,-0.21,0,0.06
1RHS,CYS_254,12.52,-0.01,-0.85,4.39
2A6B,HIS_56,5.21,-1.42,0,0.13
1EYH,GLU_55,4.43,0.48,-0.85,0.3
3ULX,ARG_107,12.74,-0.1,0,0.34
1T3Y,GLU_84,4.94,0.21,0,0.23
3LMF,ARG_47,12.44,-0.15,0,0.09
3G9T,ARG_286,13.67,-0.93,1.09,1.02
1SIG,ASP_160,3.89,0,-0.19,0.28
1RLG,GLU_116,3.25,0.83,-1.27,-0.82
2ROS,ARG_60,12.52,-0.26,0,0.27
1YLN,HIS_106,5.51,-0.8,0,-0.18
2POL,TYR_82,12.87,0.67,0.68,1.51
3LJC,GLU_210,4.7,0.31,0,-0.1
1O9G,HIS_183,6.33,-0.31,0,0.15
2VCG,ARG_24,12.23,-0.3,0,0.02
3GMS,ASP_313,3.85,0,-0.18,0.23
2W1R,TYR_67,10.24,0,0.07,0.16
1P6F,HIS_176,6.94,-0.88,0.85,0.47
3EJG,ASP_100,3.24,-0.42,-0.42,0.28
2CXC,GLU_11,3.1,1.35,-1.88,-0.88
1SQW,TYR_46,12.3,0.02,0.26,0.2
1LTU,LYS_205,10.08,-0.31,0,-0.12
3QYB,LYS_945,10.45,-0.05,0,0
3TRE,ASP_78,2.82,-1.34,-0.23,0.59
2O0K,ASP_116,3.36,-0.73,-0.35,0.63
1ZP2,ASP_105,3.92,0,-0.18,0.3
2QOP,GLU_136,4.81,0.17,0,0.14
1BYI,TYR_68,10.98,-1.3,-0.19,2.46
1OIS,LYS_204,10.23,-0.26,0,-0.02
3BQW,LYS_242,10.42,-0.13,0,0.05
2PP6,ARG_66,12.63,-0.11,0,0.23
1MIX,TYR_395,10.47,0,-0.01,0.47
1AKO,GLU_45,4.77,0.09,0,0.18
3PZ9,TYR_340,10.26,0,0.06,0.2
3ILC,TYR_22,11.71,0.85,0.38,0.47
1Z3X,ARG_115,12.68,-0.3,0.01,0.47
1U53,LYS_117,10.32,-0.24,0,0.06
1P6F,ARG_50,12.56,-0.28,0.07,0.27
2PGE,ARG_227,12.09,-0.7,0,0.29
1R53,ARG_285,12.44,-0.06,0,0
1JT9,ASP_98,2.31,-2.22,-0.65,1.37
3I47,CYS_133,10.34,0,-0.22,1.56
3FFM,GLU_136,4.73,0.24,0,-0.01
1OLR,ASP_179,4.96,0.02,0.4,0.92
1I60,LYS_194,10.32,-0.52,0,0.35
2NRR,CYS_449,11.85,-0.02,0.19,2.68
2CXA,HIS_9,6.31,-0.18,0,-0.02
1R53,CYS_234,9.17,-0.13,-0.05,0.35
4E8B,GLU_149,4.84,0.51,0,-0.16
3EUR,CYS_43,11.4,-0.22,0.44,2.18
2QV2,ASP_92,3.91,-1,-0.25,1.37
3PBH,HIS_145,4.87,-1.7,0.27,-0.19
1P4X,ASP_59,3.65,-1.04,-0.47,1.36
4D8L,ASP_227,3.3,-0.64,-0.28,0.42
1AK1,ARG_310,12.59,-0.27,0,0.37
3N2T,GLU_252,2.69,0.5,-1.4,-0.91
1NJ4,LYS_64,11.4,-0.24,0.75,0.38
3UV9,TYR_364,12.65,0.85,0.47,1.33
1DVO,LYS_40,10.4,-0.1,0,0
2XJ4,GLU_65,4.27,0.16,-0.4,0.4
3JLH,TYR_520,9.66,-0.75,-0.22,0.63
3F6F,ARG_35,12.46,-0.07,0,0.03
2H85,HIS_14,6.62,-0.87,0.81,0.18
2WB8,ARG_772,12.23,-0.27,0,0
2FZP,LYS_278,10.85,-1.12,0.85,0.62
1NWA,GLU_55,3.64,1.53,-1.53,-0.86
1KCM,LYS_168,10.55,-0.35,0,0.4
3M16,LYS_269,10.8,-0.53,0,0.84
3LOD,GLU_69,4.57,0.07,0,0
1SNT,TYR_20,9.36,-1.53,-0.02,0.91
3N2T,ASP_235,3.32,-1.15,-0.56,1.23
3JLH,LYS_398,12.15,-0.44,1.7,0.38
2EJX,ASP_77,2.94,-1.22,-0.34,0.71
3CN5,ARG_190,12.29,-0.35,0,0.14
1UOH,ARG_41,12.63,-1.66,0.76,1.03
2VGM,GLU_361,4.89,0.38,0,0.01
1LTU,CYS_52,10.59,-0.48,0,0.27
1ZYU,GLU_151,5.22,2.75,-0.07,-1.98
1YTD,GLU_24,4.75,0.3,0,-0.05
2X5Y,LYS_727,10.28,-0.44,0.04,0.17
1O9G,HIS_73,4.17,-2.26,0,-0.08
1SBX,LYS_119,10.56,-0.3,0,0.36
3TOW,LYS_170,11.45,-0.29,0.85,0.38
1X9G,ARG_179,12.28,-0.28,0,0.07
3GEC,HIS_430,5.86,-0.59,0,-0.04
2OJQ,GLU_491,3.98,0.74,-0.85,-0.41

2FC3,GLU_13,4.76,0.11,0,0.14
 2X4G,ARG_195,12.36,-0.19,0,0.06
 3E7P,GLU_151,6.34,4.78,-1.87,-1.07
 1S7K,ARG_124,13.97,-1.04,0.78,1.73
 2APL,ARG_37,11.91,-0.94,0,0.34
 1UOH,HIS_119,5.95,-0.91,0.41,-0.06
 1S17,ARG_147,12.68,-1.25,0.58,0.84
 3HYQ,GLU_169,3.77,0.38,-0.91,-0.21
 3LE4,TYR_333,10.6,0,0.05,0.56
 2BAA,ARG_13,12.24,-0.26,0,0
 1R3F,LYS_207,10.16,-0.26,0,-0.08
 3IL3,ASP_150,4.22,-0.93,0,0.19
 3LJC,LYS_146,10.25,-0.19,-0.06
 2G5X,TYR_99,10.13,0,-0.17,0.31
 3S0A,ASP_37,4.16,-0.1,0.13,0.32
 2P65,ASP_71,2.49,-1.17,-0.44,0.3
 1SQW,ARG_38,12.28,-0.93,0.02,0.69
 3KEY,LYS_329,10.41,-0.07,0,-0.02
 3UAH,ASP_177,2.97,-0.81,-0.36,0.35
 2IF4,GLU_259,4.64,0.25,0,-0.11
 2E0T,ARG_206,13.08,-0.26,0.85,0
 1TR9,ARG_192,12.49,-0.3,0,0.29
 2Z61,LYS_56,10.42,-0.1,0,0.02
 2BLT,TYR_423,11.01,0.49,0,0.52
 1OIS,LYS_227,11.61,-0.24,0.82,0.53
 3P2F,GLU_131,5.04,1.31,-0.37,-0.4
 1U53,TYR_153,11.87,-0.87,0.32,2.42
 3CSR,LYS_156,10.42,-0.14,0,0.07
 3CE7,ARG_50,12.29,-0.21,0,0
 2RFA,TYR_162,11.31,0,0.36,0.95
 3T8R,ARG_108,13,-0.3,0.48,0.33
 1FKM,LYS_283,10.44,-0.31,0,0.25
 1J33,ASP_297,3.78,-0.21,-0.15,0.33
 2ZOM,ARG_104,12.38,-0.12,0,0
 1OGL,ARG_116,12.36,-0.23,0,0.09
 2QHT,ARG_64,12.43,-0.37,0,0.29
 1BVI,ARG_32,12.37,-0.25,0,0.12
 1NIJ,ARG_120,13.91,-0.48,1.35,0.54
 3F53,TYR_62,10.14,0,0,0.14
 1NJ4,ARG_248,12.49,-0.52,0,0.5
 3I4T,ASP_66,3.81,0,0,0.01
 1QSZ,LYS_615,10.22,-0.33,0,0.06
 1UOH,GLU_201,4.9,0.29,0,0.1
 3M16,TYR_126,12.89,-0.85,0.31,3.43
 3BPV,ARG_133,12.37,-0.13,0,0
 1F2V,TYR_181,10.45,0,-0.06,0.51
 2BLL,ARG_404,12.3,-0.67,0,0.49
 4DIU,GLU_124,4.61,0.11,0,0
 1XAW,LYS_497,10.67,-0.29,0.05,0.4
 1YB2,ASP_153,4.11,0,0.08,0.23
 2G5X,LYS_39,10.73,-0.13,0,0.36
 1EDG,ASP_160,2.31,-1.62,-0.62,0.75
 3FTT,ASP_30,4.01,0,0,0.21
 2E3C,ARG_257,12.12,-0.65,0,0.27
 2WB3,ARG_332,12.63,-0.39,0.54,-0.02
 2QK1,LYS_444,10.9,-0.32,0.19,0.52
 1P2F,TYR_123,11.95,-0.82,0.52,2.24
 2CYG,ARG_72,12.2,-0.48,0,0.19
 1AKO,LYS_70,10.35,-0.37,0,0.23
 2IQT,GLU_285,3.12,0.4,-1.33,-0.45
 2PP6,ARG_63,12.41,-0.09,0,0
 2AXO,GLU_264,4.6,0.1,0,0
 2FPN,GLU_153,4.62,0.15,0,-0.02
 1EDG,HIS_85,6.8,-2.11,1.15,1.27
 1G8P,ARG_117,12.42,-0.1,0,0.03
 3O48,GLU_78,5.71,1.17,0,0.04
 2RIK,ASP_252,4.05,-0.07,-0.04,0.37
 3EGN,TYR_438,11.83,0.78,0.62,0.43
 1NAR,TYR_190,12.34,-0.63,0.5,2.48
 1TLV,LYS_110,10.4,-0.1,0,0
 4F85,TYR_59,13.88,0.1,2.2,6.8
 1YM5,ASP_273,4.11,0,0.11,0.2
 1M5I,GLU_152,5.11,0.64,0,-0.02
 1HF8,GLU_255,4.46,0.22,0,-0.27
 2OBI,LYS_164,10.35,-0.31,0,0.16
 3K8J,ARG_272,12.4,-0.12,0,0.02
 1R5Q,ASP_29,3.72,-0.21,-0.1,0.23
 2XMZ,ARG_171,12.59,-0.49,0,0.58
 3EYE,ASP_38,3.75,-0.78,0.02,0.72
 2A6B,LYS_193,10.5,0,0,0
 3EIZ,ASP_160,3.72,-0.35,0.06,0.2
 3BCH,HIS_24,5.59,-0.87,0,-0.04
 1SUU,LYS_527,10.5,0,0,0
 4DIU,ARG_140,12.67,-0.22,0.06,0.33
 3K8U,GLU_56,4.36,0.3,0,-0.44
 1P4X,ASP_66,3.54,0,-0.56,0.3
 3GEC,LYS_532,10.43,-0.12,0,0.05
 3B7X,TYR_64,10.3,-0.24,0.13,0.41
 1Z3X,TYR_136,10.06,0,-0.17,0.22
 1YIB,ARG_241,12.46,-0.08,0,0.04
 1VSM,HIS_198,6.28,-0.28,0,0.05
 3BCH,TYR_37,11.21,0,0.13,1.08
 3M3P,GLU_213,3.49,0.37,-0.93,-0.45
 2OEW,LYS_48,10.79,-0.15,0.14,0.3
 1X04,GLU_127,10.41,-0.33,0,0.23
 3H5T,LYS_18,10.47,-0.31,0,0.28
 1RZ2,ARG_116,12.27,-0.36,0,0.12
 1BN6,HIS_65,6.82,-0.8,0.85,0.27
 1PBV,ASP_137,4,0,0,0.2
 1ZP2,ASP_44,4.77,0,0,0.98
 1V6T,LYS_201,10.82,-0.17,0,0.5
 1WXF,TYR_85,10.08,0,-0.38,0.46
 3MTT,LYS_447,10.34,-0.15,0,-0.01
 3C6B,LYS_178,9.8,-0.72,0,0.03
 1PGV,ASP_343,3.7,-0.82,-0.46,1.18
 3GG6,ARG_39,13.03,-0.23,0.38,0.39
 2HP7,GLU_117,6.47,3.13,-0.91,-0.26
 2P52,HIS_107,6.56,-0.8,0.7,0.15
 4H89,HIS_154,6.18,-0.32,0,0
 3CE7,LYS_43,10.51,-0.31,0,0.31
 1LFP,TYR_181,11.91,0,-1.73E-18,1.91
 1EDG,TYR_293,10.53,-0.03,-0.02,0.59
 1RL0,ARG_53,13.08,-1.26,1.3,0.55
 3EVN,HIS_258,5.97,-0.47,0,-0.06
 1EQ6,LYS_180,10.51,-0.04,0,0.05
 1W24,GLU_123,4.96,0.46,0,0.01
 2E0T,GLU_107,4.58,0.08,0,0
 2BQX,ASP_108,2.56,-1.55,-0.02,0.33
 3F1X,ASP_141,3.87,-0.39,-0.3,0.76
 2CL3,TYR_226,10.87,0,-0.11,0.98
 2F4Q,ARG_41,11.95,-0.65,0,0.09
 3GS3,ASP_199,3.25,-0.51,-0.22,0.18
 2X4G,ASP_306,3.71,-0.59,-0.44,0.94
 1KCM,LYS_153,10.13,-0.19,0,-0.17
 1RKA,GLU_267,2.94,1.12,-1.69,-0.99
 3LJN,CYS_271,11.04,-0.84,-0.03,2.91
 3GS3,CYS_127,12.64,-0.06,0.17,3.53
 1XKR,LYS_132,10.55,-0.07,0,0.12
 1R5S,ARG_76,11.86,-0.46,0,-0.18
 2FG1,LYS_19,9.78,-0.63,0,-0.1
 3BB7,HIS_49,6.44,-0.11,0,0.05
 3H13,TYR_305,11.19,0,0.64,0.56
 2CVB,LYS_65,10.35,-0.17,0,0.02
 1GQE,ASP_231,3.74,-0.23,-0.01,0.19
 2IDC,GLU_142,3.96,0.4,-0.82,-0.13
 1MTZ,ASP_146,2.85,-0.85,-0.5,0.4
 2Q99,LYS_27,10.4,-0.1,0,0
 3G9G,ASP_243,3.06,-0.81,-0.36,0.43
 1TWU,HIS_76,6.5,-0.27,0,0.26
 2EJB,GLU_136,4.65,0.17,0,-0.02
 2O8PLYS_201,10.63,-0.14,0,0.27
 3RRQ,ARG_139,12.17,-0.38,0,0.05
 2HXB,ARG_16,13.2,-0.42,0.41,0.71
 1MML,LYS_264,10.23,-0.35,0,0.08
 1WYC,ARG_229,12.98,-0.71,0.78,0.41
 3CGW,TYR_137,10.09,-0.12,-0.11,0.32
 3RAZ,CYS_133,9.55,-0.12,0.31,0.37
 2EFK,CYS_145,9.53,0,-0.01,0.55
 2R51,GLU_62,4.27,0.34,-0.25,-0.33
 3U4K,ASP_76,3.67,-0.04,-0.5,0.41
 4EZB,ARG_232,12.42,-0.1,0,0.03
 2ATR,LYS_11,11.07,-0.15,0.11,0.61
 3I47,CYS_121,12.58,-0.2,0.27,3.5
 1JKS,ASP_11,3.99,0,-0.1,0.28
 3A0X,GLU_605,4.59,0.15,-0.01,-0.04
 1I60,LYS_61,9.82,-0.8,0,0.12
 3OA7,ASP_45,4.01,0,-0.05,0.26
 1ZBM,GLU_208,3.79,0.46,-0.85,-0.32
 3VJ8,ARG_133,11.65,-0.94,0,0.09
 2OJQ,ASP_560,4.14,0,-0.48,0.82
 4DBL,ASP_133,3.88,0,-0.1,0.18
 2G55,GLU_11,4.56,0.08,0,-0.02
 3GT0,LYS_72,10.46,-0.11,0,0.07
 1TR9,HIS_173,7.55,-0.34,0.85,0.54
 1M5I,GLU_202,4.71,0.21,0,0
 1HF8,ARG_243,13.52,-0.89,0.95,0.96
 3CAN,CYS_31,9.44,-0.01,-0.08,0.53
 1PNE,TYR_24,11.16,0,-0.06,1.21
 3CIV,GLU_186,4.33,4.29,-3.56,-0.9
 3JZN,LYS_344,10.4,-0.16,0,0.06
 1AT0,ASP_347,3.99,-0.08,-0.2,0.47
 3GT0,GLU_217,4.28,0.22,-0.13,-0.31
 1O0X,LYS_200,10.8,-0.21,0.14,0.36
 3CCY,ARG_121,12.67,-0.36,0,0.53
 3DTE,ASP_55,3.96,0,-0.16,0.33
 3I4T,HIS_139,6.4,-0.1,0,0
 1NWA,ARG_162,12.3,-0.22,0,0.02
 1JSX,ARG_101,12.97,-0.51,0.53,0.46
 4ETX,ARG_360,12.84,-0.15,0,0.48
 2QVT,LYS_143,9.93,-0.46,0,-0.12
 3I47,LYS_238,11.04,-0.85,0.85,0.55
 1NAR,GLU_207,4.79,0.22,0,0.07
 2QEV,ASP_49,2.91,-0.92,-0.64,0.67
 2BCF,TYR_111,10.24,-1.11,-0.3,1.65
 2ZCX,ASP_166,4.24,0,0.08,0.35
 3LJI,ARG_199,12.34,-0.26,0,0.1
 1TP6,HIS_121,5.68,-0.68,0,-0.14
 1I60,HIS_230,3.76,-2.81,0,0.06
 3IDW,GLU_29,3.61,0.26,-0.84,-0.3
 3F5D,LYS_108,10.49,-0.22,0,0.21
 3RE9,GLU_107,2.46,0.75,-1.93,-0.87
 3M66,ASP_239,3.29,-1.15,-0.13,0.76
 2BLL,ARG_535,8.9,-2.13,0,-1.47
 1AIL,ARG_44,12.39,-0.24,0,0.13
 1V8E,ARG_122,12.01,-0.64,0,0.14
 2XMZ,TYR_215,10.5,0.23,0.27
 4EKU,HIS_103,5.83,-1.86,0.85,0.35
 3MEW,GLU_623,4.67,0.17,0,0
 2OIX,GLU_34,5.24,0.41,0,0.34
 3PBH,ASP_254,3.99,0,-0.01,0.19
 3L3P,GLU_484,4.6,0.1,0,0
 2V81,ASP_167,4.26,0.16,0.3
 4EZB,TYR_221,9.79,-0.03,-0.53,0.34
 3E7P,CYS_255,12.76,0,0.3,0.76
 1U7U,TYR_323,13.57,0.02,0.29,3.27
 1T95,LYS_84,10.64,-0.24,0,0.38
 2Q13,TYR_262,10.53,-0.05,0.29,0.29
 2OKT,TYR_121,11.05,-0.56,0.14,1.48
 3HUE,CYS_66,11.53,0,-0.09,2.62
 1JT9,ASP_95,3.88,0,-0.47,0.55
 2DG7,ARG_14,12.75,-0.22,0.01,0.46
 2Z84,CYS_23,9.76,-0.16,0.2,0.71
 1O59,ARG_75,12.47,-0.11,0,0.08
 1UOH,LYS_149,10.16,-0.19,0,-0.15
 2D2S,ASP_568,3.99,0,0.19
 3PU6,GLU_11,3.94,0.73,-0.86,-0.43
 1QZN,ASP_100,4.08,0,0.09,0.2
 3P28,LYS_108,10.42,-0.08,0,0
 3H9W,HIS_107,6.5,-0.36,0,0.37
 1PSW,TYR_214,11.41,0,0.53,0.88
 3U0V,LYS_153,11.47,-0.39,0.85,0.51
 2PGX,LYS_238,10.49,-0.05,0,0.03
 1ZBM,GLU_51,4.26,1.58,-1.24,-0.58
 3BQE,GLU_358,4.03,0.24,-0.41,-0.31
 2HXB,LYS_62,11.36,-0.43,0.65,0.64
 1WYC,ASP_323,3.89,0,-0.15,0.23
 1R16,ARG_280,8.45,-1.89,0,-2.16
 3GE9,HIS_96,4.76,-1.47,0.3,-0.56
 1G8P,GLU_71,4.7,0.35,0,-0.15
 2CXC,ARG_97,12.4,-0.1,0,0
 1T95,ASP_202,2.54,-1.37,-0.25,0.35
 1LZL,ASP_73,3.88,-0.38,0.02,0.43
 2YX0,GLU_336,4.65,0.15,0,0
 2X5Y,LYS_836,10.63,-0.17,0,0.31
 3JZN,CYS_84,10.68,-0.29,0.19,1.78
 3M66,LYS_327,11.23,-0.32,0.62,0.43
 2QDJ,LYS_94,11.43,-0.38,0.85,0.46
 2AD1,HIS_113,5.7,-0.87,0,0.07
 3RVC,ARG_118,12.79,-0.54,0.07,0.76
 4FCU,GLU_152,3.06,0.46,-1.41,-0.49
 1OGL,GLU_237,4.86,0.16,-0.06,0.26
 3EIZ,LYS_136,11.45,-0.36,0.85,0.47
 1QZN,TYR_95,11.57,-0.89,0.56,1.9
 1T3Y,ASP_121,4.89,0.33,0,0.27
 3H6Q,GLU_62,4.02,0,-0.05,0.07
 2WB3,GLU_289,4.6,0.1,0,0
 3EVN,LYS_138,10.21,-0.36,0,0.07
 3GMS,HIS_300,5.59,-0.56,0,-0.35
 1GPP,CYS_1,10.93,-0.06,-0.16,2.14
 3VJ8,LYS_92,10.56,-0.37,0.11,0.32
 3OBS,TYR_63,9.4,-0.75,-0.16,0.32
 4F85,ASP_190,4.45,0.1,0.21,0.35
 2WB3,LYS_327,10.3,-0.3,0,0.09
 3UV9,HIS_312,6.35,-0.1,0,-0.05
 1WRU,ARG_24,13.07,-2.67,0.4,2.84
 3Q1C,TYR_151,10.07,0,0.07
 2P52,ARG_172,12.79,-1.6,0.96,0.93
 3RNV,ASP_420,3.74,-0.48,-0.07,0.49
 3GS9,TYR_62,11.36,-0.3,0.7,0.95
 3H9W,ASP_96,1.86,-1.68,-0.89,0.64
 2B0J,ARG_192,13.74,-1.01,1.67,0.57
 1NRI,CYS_225,9.47,-0.12,0.06,0.53
 3EVP,LYS_199,10.41,-0.23,0,0.14
 2G2D,GLU_41,3.1,0.32,-1.34,-0.38
 2R51,TYR_128,13.26,-0.81,0.36,3.7
 1OXZ,ASP_269,3.15,-0.32,-0.59,0.26
 2GEN,GLU_80,3.79,0.33,-0.83,-0.21
 2PLQ,LYS_37,10.41,-0.26,0,0.16
 3Q2C,GLU_31,4.59,0.09,0,0
 2FD5,LYS_65,10.7,-0.19,0,0.39
 1E55,LYS_177,10.3,-0.2,0,0
 3FNI,ASP_37,2.18,-1.99,-0.41,0.78
 3TMO,GLU_297,3.99,1.19,-1.31,-0.39
 1MTZ,LYS_92,10.39,-0.4,0.3
 3H6Q,TYR_27,10.87,0,-0.03,0.9
 4FZR,CYS_54,10.34,0,-0.09,1.44

4GA2,LYS_25,10.24,-0.26,0,0
 2VAN,ARG_283,11.77,-1.13,0,0.4
 1S18,ASP_514,3.08,-0.47,-0.46,0.22
 1EV8,ASP_20,3.34,-0.88,-0.11,0.53
 1UCH,LYS_108,9.91,-0.71,0,0.13
 1XKR,TYR_121,12.69,0,0.2,69
 1DOV,ASP_242,2.79,-0.92,-0.91,0.82
 3DHN,GLU_213,3.68,0.66,-0.95,-0.52
 3KEY,LYS_391,11.35,-0.24,0.71,0.38
 1XAW,ASP_461,3.91,-0.22,-0.15,0.49
 1UJ8,ASP_32,3.96,0,0,0.16
 3K8J,ARG_89,12.47,-0.05,0,0.02
 1X04,LYS_77,10.25,-0.23,0,-0.02
 1Q8B,GLU_70,4.68,0.23,0,-0.05
 2Q34,TYR_175,11.47,-0.05,0.44,1.08
 1QQE,TYR_201,10.96,-0.61,0.18,1.4
 3BQE,LYS_253,10.18,-0.68,0,0.36
 3IVF,ASP_222,4.84,0,0.09,0.94
 1TR9,TYR_178,12.19,0.85,0.59,0.75
 3PM2,LYS_71,10.09,-0.2,0,-0.2
 1TR9,ARG_148,12.12,-0.47,0,0.09
 3P28,GLU_67,3.78,0.39,-0.47,-0.65
 1HUF,ARG_104,12.54,-0.39,0.05,0.38
 3ETU,GLU_190,4.78,0.14,0,0.14
 2B02,CYS_459,12.08,-0.43,0.3,53
 2YWX,LYS_48,11.3,-0.45,0.85,0.38
 3HVW,ARG_305,12.5,-0.19,0,0.18
 3BWT,GLU_825,4.78,0.28,0,0
 3AU3,ASP_556,2.69,-1.54,-0.03,0.47
 2YWJ,LYS_100,10.52,-0.16,0,0.17
 2B3M,LYS_25,10.22,-0.22,0,-0.06
 2IDC,GLU_32,4.73,0.24,0,-0.01
 1XKR,ARG_111,12.23,-0.32,0,0.05
 2E3I,GLU_112,3.54,0.2,-0.78,-0.38
 1HUF,ASP_72,2.07,-2.93,-0.68,1.87
 4EVF,GLU_20,4.37,1.55,-1.25,-0.43
 3L7N,LYS_152,9.97,-0.57,0,0.04
 2H14,TYR_243,11.21,0.005,1,16
 1YW5,ASP_97,3.83,-0.01,-0.17,0.22
 1RSQ,TYR_25,11.98,0.85,0.42,0.71
 3OKQ,ASP_640,4.05,0,0,0.25
 2QZQ,LYS_150,10.36,-0.13,0,-0.01
 1DOV,ARG_126,12.23,-0.23,0,-0.04
 3I4T,ARG_141,12.73,-0.2,0,0.43
 2BV9,HIS_170,3.5,-3.09,0,0.09,0
 2V81,GLU_113,3.91,0.39,-0.98,0
 3M16,GLU_241,4.77,1.18,-0.62,-0.29
 3M70,CYS_93,11.66,0,0.17,2.48
 2YVO,HIS_160,5.76,-0.69,0,-0.05
 3RLN,GLU_692,4.59,0.27,0,-0.19
 3GOZ,GLU_70,3.86,0.37,-0.76,-0.24
 2G9D,HIS_210,5.72,-1.03,0,0.25
 3M7G,GLU_165,3.72,0.63,-0.95,-0.46
 2F9F,GLU_3,4.5,0.12,0,-0.13
 4E6S,ARG_29,12.39,-0.37,0,0.05,21
 1OLR,ARG_213,12.33,-0.69,0,0.52
 4DBX,LYS_269,10.22,-0.27,0,-0.02
 1GQE,ARG_213,13.1,-0.35,0.49,0.45
 2HRZ,ASP_246,3.25,-0.71,-0.19,0.35
 1DOV,LYS_216,10.35,-0.15,0,0
 4DNU,ARG_173,12.52,-0.18,0,0.21
 2X4G,TYR_122,13.11,0,0.43,2.68
 1YW5,LYS_116,10.2,-0.3,0,0
 2WOG,ASP_177,3.06,-0.65,-0.4,0.31
 3CGW,ARG_264,13.78,-0.42,0.8,0.9
 1IAP,ARG_181,12.48,-0.02,0,0
 2NSN,HIS_33,6.64,-0.26,0.46,-0.07
 3FHF,LYS_204,11.32,-0.41,0.85,0.38
 1OI7,HIS_224,6.25,-0.37,0,0.12
 2J8A,GLU_352,4.61,0.25,0,-0.13
 3GMS,TYR_54,10.51,0,-0.28,0.8
 2J8A,LYS_332,10.43,-0.4,0,0.33
 3KB5,ARG_309,12.47,-0.17,0,0.14
 1XTD,LYS_61,10.47,-0.03,0,0
 3ASA,ARG_27,11.82,-0.72,0,0.03
 1G5Z,LYS_60,10.54,-0.14,0,0.18
 2H2Z,LYS_61,10.72,-0.52,0.09,0.65
 1KCM,ASP_146,2.57,-1.71,-0.09,0.57
 1R15,LYS_248,11.36,-0.46,0.69,0.62
 3US6,ARG_135,12.45,-0.29,0,0.23
 2BV9,HIS_286,6.13,-0.4,0,0.03
 3CN5,ASP_240,4.06,0.01,0.25
 4AM1,TYR_304,10.54,0.009,0.44
 1YTD,LYS_366,10.43,-0.08,0,0.01
 3CAN,ASP_52,3.25,-0.52,-0.63,0.6
 2IDC,LYS_41,10.65,-0.4,0,0.56
 2PLQ,LYS_113,10.7,-0.14,0,0.34
 15QH,GLU_111,4.39,0.72,-0.44,-0.39
 1QZN,ASP_12,3.2,-1.13,-0.32,0.86
 1ZCE,GLU_78,4.92,0.22,0,0.2
 3DHN,LYS_90,10.5,0,0,0
 1QQH,TYR_165,10.05,0,0,0.05
 1SUU,LYS_659,10.5,0,0,0
 3RRQ,TYR_68,9.85,-0.83,-0.2,0.88
 1SIG,ASP_332,3.9,0,-0.13,0.22
 1HUF,HIS_9,6.38,-1.04,0.85,0.06
 1X8F,GLU_76,4.11,0.34,-0.34,-0.38
 1SQH,LYS_194,10.43,-0.34,0,0.27
 2I88,LYS_366,10.36,-0.21,0,0.07
 3MIX,LYS_491,10.28,-0.21,0,0
 4FZN,LYS_77,10.19,-0.84,0.08,0.44
 1U53,ASP_87,3.89,0,-0.2,0.29
 1TXD,CYS_967,13.01,0.02,3.98
 3HVW,ASP_313,3.19,-0.74,-0.34,0.46
 1LD1,CYS_234,10.42,-0.14,-0.01,1.57
 3VJG,LYS_40,10.37,-0.2,0.06
 1O59,ARG_161,12.95,-0.28,0.23,0.5
 2B78,HIS_265,5.01,-1.54,0,0.06
 1ZP2,ARG_62,11.43,-1.31,0,0.25
 2QDJ,TYR_225,10.63,0,0,0.63
 2H01,ARG_142,12.44,-0.06,0,0
 2HNG,GLU_10,3.77,0.29,-0.76,-0.26
 3HUE,CYS_291,9.83,0,0.83
 2X4L,ASP_233,3.97,0,0.17
 3CE7,GLU_46,4.74,0.26,0,-0.01
 3CIV,GLU_106,4.75,0.26,0,0.02
 3B79,TYR_114,12.23,0,0.14,2.09
 2V4U,CYS_313,9.47,-0.26,-0.09,0.83
 3CX5,LYS_147,10.38,-0.36,0,0.24
 1GVP,GLU_5,3.67,0.42,-0.77,-0.48
 2D7J,LYS_92,10.65,-0.12,0,0.28
 3IV4,GLU_16,4.69,0.13,0,0.05
 2P65,ARG_41,12.43,-0.07,0,0
 2BCF,ARG_59,12.54,-0.37,0,0.41
 1X6J,ARG_18,12.45,-0.16,0,0.1
 2JEO,ARG_165,11.43,-1.9,0,0.84
 1TXJ,ARG_41,13.51,-0.45,0.66,0.8
 4FZR,ARG_191,12.24,-0.34,0,0.08
 3ERF,ARG_50,12.25,-0.31,0,0.07
 2Z14,TYR_38,10.38,0.007,0.3
 1R29,ASP_75,3.39,-0.85,0,0.44
 3PP8,ARG_167,12.12,-0.38,0,0
 2P52,ARG_287,12.56,-0.19,0,0.24
 1Q8B,TYR_15,10.28,0.005,0.23
 3DB9,CYS_158,10.14,-0.86,-0.09,2.1
 2EDM,CYS_172,10.34,0.019,1.15
 2XHC,LYS_351,10.24,-0.4,0,0.14
 1H09,LYS_308,10.15,-0.62,0.06,0.22
 2H85,LYS_12,10.52,-0.12,0,0.15
 1YR6,LYS_225,10.59,-0.19,0,0.28
 3OOP,GLU_114,4.69,0.18,0,0.01
 2YLF,HIS_159,6.42,-0.9,0.8,0.02
 2D7U,GLU_153,4.72,0.22,0,0
 3DZ1,ARG_209,13.61,-0.43,1.11,0.42
 2O4D,GLU_145,4.55,0.05,0,0
 2Y2T,ASP_85,2.58,-1.74,-0.02,0.54
 1MD6,LYS_73,10.47,-0.03,0,0
 3G9G,LYS_69,10.66,-0.11,0,0.27
 1TD6,ARG_26,12.34,-0.28,0,0.12
 2C2Y,TYR_49,10.23,0,0,0.23
 3UOV,HIS_132,4.26,-3.13,0.33,0.58
 3ETU,HIS_328,5.58,-1.82,0.89,0.02
 1GQE,LYS_162,10.46,-0.15,0,0.11
 1BYI,HIS_83,6.18,-0.52,0,0.2
 1SIG,LYS_343,9.87,-0.3,0,-0.32
 2BLL,GLU_411,5.15,0.37,0,0.28
 3MEW,ASP_266,3.33,-0.93,0.01,0.45
 2PIM,GLU_77,4.01,0.22,-0.8,0.09
 4GA2,CYS_141,9.43,-0.17,0.15,0.45
 3F6M,ASP_128,4.11,0,-0.05,0.37
 2VAN,LYS_331,11.65,-0.36,0.85,0.67
 2RGY,LYS_340,10.41,-0.09,0,0
 2X5Y,TYR_889,12.77,0.85,0.35,1.59
 1GPP,GLU_144,4.83,0.23,0.0,1
 1R7J,LYS_42,10.75,-0.14,0,0.38
 1ZBP,GLU_201,4.84,0.13,0,0.21
 2B02,LYS_417,10.4,-0.18,0,0.07
 1V43,LYS_9,10.68,-0.21,0,0.4
 4EVF,ASP_19,3.79,-0.56,-0.01,0.56
 3S0A,ASP_87,2.14,-1.67,-0.38,0.4
 2X4J,HIS_31,6.7,-0.52,0.8,-0.09
 1WXF,TYR_237,13.32,0.61,0.54,2.17
 3HVW,ARG_323,13.11,-0.66,0.78,0.48
 2PWQ,LYS_145,10.41,-0.21,0,0.12
 2EJH,GLU_65,4.61,0.2,0,-0.09
 2R83,LYS_110,10.28,-0.24,0,0.01
 3F1X,LYS_234,10.47,-0.03,0,0
 3P51,GLU_87,2.96,0.56,-2,1.0
 1AM2,ARG_17,13.65,-0.32,0.92,0.55
 3NBI,HIS_158,6.19,-0.41,0,0.1
 2Q98,LYS_42,10.47,-0.23,0,0.2
 1NAR,TYR_216,13.12,-0.85,0.47,3.51
 3CX5,ASP_4,2.6,-1.59,-0.06,0.44
 1X7F,GLU_267,4.53,1.09,-0.53,-0.52
 2O85,ARG_18,12.41,-0.09,0,0
 1PGV,ARG_380,12.4,-0.39,0,0.29
 2A6B,ASP_217,3.3,-0.85,-0.51,0.86
 3DHN,HIS_211,7.36,-0.37,0.85,0.38
 1O9G,GLU_136,4.08,0.37,-0.25,-0.55
 1R16,TYR_304,11.93,-1.15,0.56,2.51
 2NRR,ARG_489,13.2,-0.3,0.51,0.48
 3UX2,CYS_155,9.52,0,-0.13,0.66
 3A7L,GLU_46,4.62,0.1,0.0,0.03
 3JZ9,GLU_528,4.61,0.11,0,0
 3JV1,GLU_63,3.89,0.53,-1.07,-0.06
 1AD6,GLU_559,4.33,0.33,0,-0.5
 1JKS,GLU_94,4.28,1.72,-1.37,-0.58
 2O8I,GLU_5,4.66,0.11,0,0.05
 1XAW,TYR_493,9.75,-0.05,-0.84,0.65
 2IRM,TYR_177,11.98,0.15,0.55,1.27
 2JKF,CYS_37,11.33,0,-0.16,2.48
 1ANU,TYR_110,10.37,0,0.16,0.21
 2H2Z,GLU_290,5.84,2.35,-0.53,-0.49
 3M70,TYR_137,12.27,0,0.59,1.68
 1PDB,GLU_154,4.7,0.1,0,0.1
 1JT9,HIS_19,5.11,-2.14,0.85,-0.1
 3B21,ASP_178,2.91,-1.1,0,0.21
 4E88,GLU_225,3.22,0.38,-1.15,-0.52
 3O16,GLU_111,4.9,0.16,0,0.24
 2Z0M,GLU_89,4.22,1.39,-0.75,-0.92
 3FTT,GLU_5,3.56,0.18,-0.69,-0.42
 1Q46,ARG_87,12.18,-0.35,0,0.02
 3AUF,ASP_82,2.26,-2.17,-0.66,1.29
 2H14,GLU_279,2.94,2.1,-3.24,-0.42
 2P1W,LYS_46,10,-0.41,0,-0.1
 2H30,GLU_162,4.54,0.44,-0.03,-0.38
 1NAF,ASP_274,3.63,-0.33,0,0.16
 3AUF,ARG_65,11.96,-0.15,0,-0.39
 1JYH,TYR_111,10.47,0,0.23,0.24
 2EFK,ARG_223,12.56,-1.3,0.7,0.67
 1RWZ,LYS_107,10.39,-0.18,0,0.06
 1XTZ,LYS_195,10.03,-0.47,0,0
 3ON1,ASP_88,3.21,-0.94,-0.04,0.39
 1ZBP,GLU_157,1.37,3.97,-2.68,-4.41
 3EVN,LYS_310,10.19,-0.63,0,0.32
 1SUU,GLU_575,4.6,0.91,-0.8,0
 1U3Y,ARG_255,12.74,-0.32,0.01,0.55
 1EV8,ASP_122,4.15,0.08,0.27
 1L2F,GLU_211,5.27,1.3,-0.37,-0.16
 3ON1,GLU_23,3.97,0.51,-0.78,-0.25
 2WOZ,LYS_472,10.19,-0.3,0,0
 3CRM,HIS_299,5.16,-0.96,-0.38
 3UPD,LYS_208,10.44,-0.06,0,0
 1EV8,GLU_74,4.71,0.24,0,-0.03
 2NSN,GLU_110,4.53,0.03,0,0
 1CBY,GLU_152,4.89,0.34,0,0.05
 2AZP,ARG_314,13.17,-0.22,0.45,0.45
 3JCN,ASP_338,3.17,-0.79,-0.26,0.43
 3UC9,LYS_62,10.67,-0.1,0,0.26
 1MHN,GLU_104,5.5,0.67,0,0.33
 4EZB,ASP_37,3.29,-0.8,-0.01,0.3
 1OXZ,ASP_204,3.79,-0.05,-0.29,0.33
 1ZBP,GLU_98,4.59,0.09,0,0
 1FQI,TYR_410,11.58,0.11,1.47
 3PZ9,HIS_48,3.35,-3.44,0.35,-0.06
 3M9A,GLU_34,4.56,0.06,0,0
 3LOD,LYS_92,10.18,-0.32,0,0
 1T07,ASP_62,3.45,-0.8,-0.08,0.53
 2OBI,ASP_7,3.94,0,-0.02,0.16
 2B61,ASP_76,3.01,-1.6,-0.31,1.11
 1SFE,ARG_148,13.57,-1.68,1.53,1.23
 2BQQ,ARG_59,13.03,-1.05,0.82,0.77
 2BDV,GLU_143,3.15,0.29,-1.4,-0.23
 1WPA,LYS_512,11.33,-0.29,0.85,0.28
 3HKX,HIS_122,6.85,-0.25,0,0.59
 2AH5,HIS_23,5.78,-0.68,0,0.03
 1ZYL,GLU_253,4.12,0.44,-0.84,0.02
 2HXB,ASP_44,3.52,-0.35,-0.23,0.3
 3LJC,GLU_41,4.54,0.18,0,-0.14
 2V4U,GLU_423,5.65,1.11,0,0.04
 2B3M,ARG_98,11.97,-1.09,0.02,0.54
 2EA9,TYR_86,10.3,0.06,0.24
 1YB2,GLU_198,4.9,0.25,0.0,0.14
 1L2F,ARG_153,12.76,-0.34,0.16,0.44
 3LPZ,TYR_139,11.16,0,-0.12,1.28
 2PGE,ASP_13,2.97,-1.87,-0.51,1.54
 2O0K,LYS_63,10.21,-0.39,0,0.09
 3GW3,ARG_238,12.34,-0.44,-0.25,0.08
 2DOA,LYS_300,10.44,-0.06,0,0
 2OKT,HIS_263,7.02,-0.42,0.66,0.28
 3CS1,LYS_56,10.27,-0.31,0,0.07
 2CWC,HIS_159,3.28,-2.49,0,-0.73
 3CIV,GLU_295,3.96,0.35,-0.9,0.02
 3M66,LYS_295,10.56,-0.23,0.0,0.29
 2J8A,LYS_269,9.95,-0.29,0,-0.25
 2WB8,GLU_728,4.6,1.05,-0.7,-0.26

1SQH,GLU_196,4.45,1.61,-0.76,-0.9
 2NMU,ASP_91,3.19,-1.22,0,0.61
 3G9G,TYR_118,12.16,0,0.03,2.13
 3ERF,ARG_215,12.11,-0.74,0.03,0.32
 3EUR,LYS_81,10.54,-0.11,0,0.16
 4DIU,GLU_193,4.12,0.93,-1.44,0.13
 1OI7,TYR_30,11.24,-0.82,0.14,1.93
 2BAA,ARG_130,12.19,-0.31,0,0
 2DG7,ASP_50,3.17,-1.34,-0.51,1.22
 2Q13,ARG_339,12.76,-0.28,0.1,0.44
 3UPD,TYR_107,13.49,0.16,0.75,2.58
 3V55,GLU_653,3.81,0.32,-0.86,-0.16
 2G5X,ASP_105,3.2,-0.46,-0.45,0.31
 3GW3,CYS_59,13.49,-0.09,1.31,3.28
 1OIS,GLU_312,2.42,0.74,-2.23,-0.6
 2PWQ,GLU_33,5.15,0.93,0,-0.27
 1X7F,CYS_197,11.68,-0.08,-0.33,3.09
 3TIR,ASP_179,3.74,-0.06,-0.27,0.28
 3URT,ASP_112,2.49,-1.46,-0.29,0.44
 3ANJ,HIS_114,6.67,-1.27,0.83,0.6
 1XWM,LYS_15,10.75,-0.54,0.44,0.34
 2YX0,LYS_341,10.36,-0.16,0,0.03
 1JT9,GLU_197,4.22,0.66,-0.11,-0.83
 1X91,LYS_130,10.29,-0.19,0,-0.03
 2PWQ,CYS_87,9.65,-0.21,0.39,0.46
 1WNH,GLU_73,3.54,0.71,-0.85,-0.82
 2C2Y,ASP_27,3.21,-0.85,0,0.26
 3RE9,LYS_134,10.35,-0.45,0,0.29
 2P5D,TYR_6,11.16,0.04,0.7
 1FQI,ARG_318,12.26,-0.3,0,0.06
 3RIZ,LYS_205,10.72,-0.16,0,0.38
 1XFK,HIS_27,5.29,-0.96,0.5,-0.75
 1OIS,GLU_216,3.96,0.6,-0.66,-0.48
 1WPA,ASP_451,3.3,-0.73,-0.2,0.43
 1D7O,HIS_130,6.56,-0.3,0.07,0.3
 1EV8,ASP_253,3.34,-0.29,-0.5,0.32
 2OEW,ARG_322,12.66,-0.18,0,0.33
 3DHN,HIS_222,5.84,-0.47,0,-0.2
 2CWC,LYS_33,10.07,-0.7,0,0.27
 3RLN,ARG_638,13.99,-0.32,1.07,0.74
 1W24,ASP_107,3.67,0,-0.35,0.21
 2DFL,HIS_215,6.49,-1.23,0.97,0.25
 2QOP,LYS_53,10.69,-0.08,0,0.27
 2YYO,HIS_21,6.63,-0.25,0.34,0.04
 2BLL,ARG_424,12.35,-0.18,0,0.03
 1C44,GLU_23,3.99,0.66,-0.85,-0.32
 2WB8,GLU_466,4.21,1.33,-0.7,-0.92
 2QHT,GLU_15,4.8,0.3,0,0
 1PGV,LYS_265,10.61,-0.38,0.14,0.35
 3COC,GLU_329,4.77,0.17,0,0.1
 1SJJ,ASP_26,3.27,-0.94,-0.45,0.86
 1W24,GLU_44,4.75,0.27,0,-0.02
 2H30,GLU_74,4.01,1.91,-1.67,-0.73
 2D25,ARG_636,10.8,-1.98,0,0.28
 3EZ7,LYS_67,10.52,-0.13,0,0.15
 2P5D,LYS_122,10.43,-0.07,0,0
 2V4X,TYR_66,10.97,-0.19,-0.35,1.51
 4FD6,TYR_85,10.58,0,0.24,0.35
 4E8B,GLU_75,4.75,2.35,-1.29,-0.81
 3EZ7,ARG_134,11.11,-2.05,0,0.66
 1AKO,LYS_121,11.18,-0.28,0.55,0.41
 3OKQ,LYS_628,10.26,-0.13,0,-0.11
 1Q46,LYS_169,10.44,-0.39,0,0.33
 3EVPLYS_184,10.6,-0.09,0,0.19
 2G3A,TYR_110,11.71,0,0.09,1.62
 2VGY,CYS_63,11.6,-0.05,0.15,2.49
 1W1S,LYS_109,10.1,0,-0.01,0.11
 2GQV,ARG_76,12.6,-0.15,0,0.24
 3V55,ASP_595,4.09,0,0.14,0.16
 2V81,GLU_46,4.17,0.54,-0.86,0
 3QAV,LYS_41,10.58,-0.09,0,0.17
 2QOP,GLU_150,4.55,0.27,0,-0.21
 1SBX,GLU_108,4.77,0.27,0,0
 1V43,HIS_328,6.54,-0.95,0.85,0.14
 3PM2,ASP_158,3.88,0,-0.04,0.12
 3CRM,HIS_62,5,-2.13,0.7,-0.05
 1IDK,LYS_122,10.81,-0.22,0,0.53
 4DBX,HIS_50,6.16,-0.99,0.88,-0.23
 4EUG,HIS_181,5.23,-1.22,0,-0.05
 4EZB,TYR_31,11.02,0,0.29,0.73
 1XEU,LYS_236,10.22,-0.3,0,0.02
 3L9Z,TYR_168,12.53,-0.09,0.83,1.8
 3K9I,TYR_60,10.64,0,0.28,0.36
 3CCY,ASP_145,1.89,-1.88,-0.38,0.35
 3V46,GLU_281,3.96,0.35,-0.55,-0.34
 2IF4,HIS_125,5.1,-1.43,0.12,-0.09
 1Q42,GLU_65,3.68,0.38,-0.85,-0.35
 2EYI,GLU_81,3.32,0.28,-0.98,-0.48
 3BWT,ARG_629,13.07,-1.41,1.19,0.79
 3IBT,TYR_13,10.36,-0.56,-0.04,0.96
 1TJE,LYS_169,10.34,-0.26,0,0.09
 1MJS,ARG_287,12.41,-0.15,0,0.07
 2JHY,ARG_134,12.52,-0.44,0.08,0.39
 3M7G,GLU_263,4.47,0.32,0,-0.35
 3HQX,HIS_53,6.44,-0.14,0,0.08
 3F6M,ARG_84,12.78,-0.33,0.37,0.25
 1O0X,HIS_82,4.54,-1.91,0,-0.05
 2AH5,CYS_58,9.85,-0.43,0,1.29
 3LQE,ASP_321,3.9,0,-0.05,0.15
 3UAH,HIS_414,5.12,-2.64,0.85,0.4
 3OOP,ARG_80,12.42,-0.48,0.13,0.26
 2AD1,GLU_65,4.84,0.48,0,-0.14
 3V55,CYS_464,10.07,0,-0.19,1.25
 3A4C,GLU_457,4.58,0.33,0,-0.25
 2OBI,TYR_63,11.31,0.55,0.28,0.48
 3BPT,TYR_146,12.29,0.04,1,1.88
 3H13,GLU_242,4.36,0.18,0,-0.32
 1R2Z,ARG_108,12.68,-0.41,0,0.59
 1U53,ARG_125,12.24,-0.37,0,0.11
 4DNU,LYS_296,10.78,-0.18,0,0.47
 2EFK,LYS_114,10.3,-0.2,0,0
 3V46,ASP_309,3.96,0,-0.23,0.38
 2H2Z,TYR_209,12.71,-0.53,0.35,2.89
 3UAH,ARG_210,12.6,-0.24,0,0.34
 1J33,GLU_242,4.61,0.15,0,-0.05
 2EHG,LYS_31,12.06,-0.36,1.13,0.79
 2QV2,TYR_78,10.45,0,-0.68,1.14
 3ETV,TYR_286,10.24,0.09,0.15
 3M70,LYS_210,10.44,-1.09,0.62,0.42
 1WRU,TYR_243,10.51,0.24,0.27
 1JYH,TYR_74,10.12,0,-0.08,0.2
 1X8F,ARG_70,12.31,-0.3,0,0.11
 3IVF,TYR_70,10,0,-0.19,0.19
 1WLY,ARG_32,14,-0.56,1.24,0.82
 3JZN,GLU_107,4.55,0.05,0,0
 3ETU,GLU_223,4.57,0.28,-0.21,0
 1FO9,GLU_149,4.22,0.36,-0.29,-0.35
 1JKS,LYS_249,10.18,-0.43,0,0.11
 3M16,ARG_248,12.61,-1.24,0.53,0.82
 2O0K,GLU_72,4.48,0.29,-0.32,0
 3CGW,ARG_104,12.11,-0.47,0,0.08
 3COU,ARG_42,12.51,-0.28,0.06,0.23
 3C38,ASP_245,4,0,0,0.2
 4DBX,ASP_256,2.93,-1.2,-0.12,0.44
 3EZ7,ASP_208,3.57,-0.46,0,0.24
 2FL4,GLU_30,4.66,0.16,0,0
 4E8B,HIS_79,4.89,-1.33,0,-0.28
 3BQW,ARG_158,13.08,-0.36,0.59,0.35
 3RNV,LYS_371,11.41,-0.33,0.85,0.38
 4FH3,TYR_265,10.23,0,-0.01,0.25
 1XDZ,LYS_223,10.42,-0.05,0,-0.03
 3L3PHIS_282,6.78,-0.44,0.28,0.43
 2V81,ASP_30,3.94,0,-0.13,0.27
 3MM4,ARG_984,13.85,-0.3,1.2,0.45
 1AM2,GLU_12,4.61,0.11,0,0
 2QHT,ARG_112,12.58,-0.29,0,0.37
 2YLF,LYS_135,10.33,-0.2,0,0.04
 1RI6,TYR_246,13.41,0,0.09,3.32
 3I4T,ASP_256,3.87,-0.23,-0.09,0.4
 3RRQ,ARG_96,12.34,-0.16,0,0
 2BDV,ARG_206,12.42,-0.09,0,0.01
 3G9T,GLU_111,2.25,0.69,-2.34,-0.61
 1XDZ,HIS_95,6.18,-0.37,0.19,-0.14
 1YR6,GLU_231,4.87,0.75,-0.67,0.29
 3BA1,LYS_124,10.84,-0.28,0,0.62
 3EJG,LYS_160,10.39,-0.27,0,0.15
 2B2H,TYR_351,11.55,0,0.1,55
 2AZL,ASP_222,4.08,0,0,0.29
 3KB5,GLU_323,4.48,0.11,0,-0.14
 1RSS,ARG_72,13.12,-0.57,0.67,0.52
 1XWM,ARG_79,12.91,-0.77,0.64,0.54
 1OTM,LYS_142,10.04,-0.53,0,0.06
 1TLV,LYS_245,10.27,-0.43,0,0.19
 2YWJ,ASP_134,3.17,-0.37,-0.61,0.36
 1FO9,ARG_376,12.35,-0.18,0,0.03
 4ETX,GLU_213,4.59,0.42,0,-0.33
 1NAR,LYS_152,9.72,-0.78,0,0
 3A4C,ARG_471,12.26,-0.29,0,0.05
 1Z3X,GLU_20,4.91,0.42,0,-0.01
 2G7O,CYS_73,9.31,-0.01,0,0.32
 2RGY,GLU_194,4.19,0.56,-0.43,-0.43
 3U56,LYS_82,9.91,-0.31,0,-0.27
 1XAW,LYS_488,9.94,-0.34,0,-0.22
 3HST,ASP_313,3.34,-0.56,-0.33,0.42
 1ZKT,LYS_38,10.81,-0.19,0.13,0.37
 2QHT,TYR_122,10.41,0,0.12,0.29
 1QYI,GLU_259,4.57,0.23,0,-0.17
 3N2T,LYS_294,10.77,-0.15,0,0.41
 1PVT,GLU_7,5.42,1.29,-0.48,0.13
 1YLN,ASP_183,3.53,-0.69,-0.17,0.6
 3M70,LYS_275,10.6,-0.13,0,0.23
 1R9W,GLU_256,4.56,0.12,0,-0.06
 3CQ1,ARG_65,12.46,-0.36,0,0.33
 2HNG,GLU_25,4.58,0.13,-0.04,0
 2AD1,LYS_122,10.5,-0.27,0,0.28
 2OKT,GLU_59,6.02,2.72,-1.26,0.05
 2NRR,TYR_375,10,0,0,0
 1D2K,ASP_324,3.54,-0.85,-0.19,0.79
 3CBN,LYS_149,10.13,-0.18,0,-0.2
 2R57,GLU_183,4.77,0.24,0,0.03
 1OI7,LYS_227,9.36,-1.42,0,0.27
 1YW5,LYS_104,10.5,-0.15,0,0.15
 2H14,ASP_333,3.08,-0.85,-0.09,0.21
 2XJ4,TYR_224,12.67,0.2,2.47
 2AHE,GLU_30,4.8,0.16,0,0.13
 3C38,ARG_91,11.99,-0.51,0,0
 1ZHV,ASP_111,3.4,-0.47,-0.41,0.49
 3SMD,LYS_115,10.28,-0.32,0,0.1
 3F6M,ARG_2,12.64,-0.29,0.11,0.32
 1WPA,ASP_479,3.89,0,-0.21,0.3
 2OPJ,ARG_22,10.84,-3.33,0,1.67
 1P4X,GLU_106,4.55,0.24,0,-0.19
 2F9F,LYS_148,10.4,-0.36,0,0.26
 3EZ7,HIS_282,6.11,-0.35,0,-0.04
 1KCM,LYS_163,11.87,-0.61,1.65,0.33
 1PVT,LYS_144,10.24,-0.16,0,-0.1
 2DFL,ASP_67,3.87,-0.08,-0.15,0.3
 1X1E,TYR_239,10.25,0,0.08,0.16
 3LJI,ASP_224,4.46,-0.77,-0.14,1.57
 1P2F,LYS_100,11.58,-1.03,0.85,1.27
 2V1L,ARG_92,12.77,-0.41,0,0.67
 1Q42,ARG_108,12.01,-0.49,0,0
 2A4D,ARG_121,12.98,-0.31,0,0.8
 1YOY,LYS_152,10.41,-0.31,0,0.21
 1YW5,ARG_96,13.74,-0.28,0.93,0.58
 1YTQ,LYS_119,11.14,-0.53,0.7,0.46
 1XAW,ARG_483,13.62,-0.18,0.92,0.38
 3DZ1,TYR_140,11.74,-0.26,0.47,1.53
 3M7D,ARG_20,13.78,-0.75,1.17,0.87
 1AKO,HIS_62,6.15,-0.27,0,-0.08
 1W7B,ARG_168,12.1,-0.4,0.0
 3EVN,HIS_177,3.25,-3.25,0,0
 1UXO,TYR_157,10.32,0,-0.14,0.47
 3EX9,HIS_126,3.74,-3.21,0.73,-0.29
 2QHT,ARG_100,12.42,-0.08,0,0
 1X8F,LYS_259,10.97,-0.13,0,0
 2QKQ,TYR_81,9.93,-0.89,0,0.83
 2CIU,HIS_170,5.79,-0.69,0,-0.02
 3V46,TYR_264,11.9,0,-0.1,2
 3RFY,TYR_343,10.49,0.23,0.26
 2BLL,GLU_481,4.71,0.23,0,-0.03
 3PM2,GLU_17,4.45,0.22,0,-0.27
 4EKU,TYR_81,9.93,-0.51,0.26,1.25
 4DVD,LYS_168,10.4,-0.08,0,-0.02
 3F5D,ASP_78,3.75,-0.01,-0.21,0.17
 2OEW,HIS_162,5.21,-1.12,0,-0.18
 1UXO,HIS_164,6,-2.65,0.85,1.3
 3NKL,LYS_10,6.28,-0.17,0,-0.06
 3OKQ,LYS_600,10.18,-0.32,0,0
 1ZP2,ASP_19,3.99,0,0,0.19
 1R3F,GLU_189,3.72,0.81,-1.02,-0.56
 2EOT,TYR_170,11.69,0.85,0.32,0.52
 2ZTY,ARG_79,12.01,-0.87,0.05,0.32
 2XHC,LYS_191,11.23,-0.31,0.7,0.35
 2H8O,LYS_319,10.25,-0.28,0,0.03
 1N81,GLU_129,2.94,4.5,-1.68,-4.38
 1L2F,GLU_253,3.29,0.32,-1.16,-0.38
 3UPD,ARG_8,13.29,-1.02,1.2,0.61
 3M70,GLU_25,3.85,0.23,-0.85,-0.03
 3F7M,TYR_119,11.18,0.03,1.15
 1DUN,LYS_129,10.43,-0.07,0,0
 1SBX,GLU_145,4.64,0.11,0,0.03
 1SUU,LYS_781,10.31,-0.2,0,0.01
 2V1L,LYS_15,10.41,-0.09,0,0
 1GXN,TYR_404,11.27,0.6,0.09,0.58
 4GXU,HIS_72,6.7,-0.31,0,0.52
 3KB5,LYS_462,10.43,-0.1,0,0.02
 1WLY,LYS_144,11.5,-0.55,0.85,0.71
 2D0A,ARG_17,12.02,-0.54,0,0.05
 1LN4,ARG_86,13.57,-1.01,1.31,0.79
 1SFE,LYS_126,10.36,-0.14,0,0
 3ASA,ARG_81,10.7,-2.02,0,0.22
 1RWZ,TYR_219,10.21,0.05,0.16
 3ZRI,ARG_54,11.97,-0.64,0,0.11
 2H2Z,ASP_56,3.11,-0.61,-0.38,0.31
 3K1H,GLU_119,4.57,0.1,0,-0.03
 1PVT,ARG_66,13.14,-0.24,0.52,0.36
 4GA2,TYR_132,10.21,0,0,0.21
 1PDB,GLU_150,4.74,0.17,0,0.07
 3C6B,ASP_42,3.52,-0.42,-0.02,0.16
 2P52,GLU_195,3.21,0.36,-1.27,-0.38
 2Q13,GLU_162,4.9,0.35,0,0.05
 2B0J,LYS_34,10.32,-0.4,0.05,0.36
 2GEN,ASP_177,3.98,0,0.18
 2JEO,GLU_197,4.72,0.33,0,-0.11
 3GS9,ASP_194,3.89,0,0,0.09

1JKS, TYR_12, 11.41, 0.73, 0.3, 0.38
3QKY, TYR_76, 10.29, -0.01, -0.28, 0.57
1HF8, GLU_91, 4.04, 0.46, -0.85, -0.07
1QQH, LYS_125, 10.97, -0.37, 0.23, 0.6
1O3X, LYS_195, 10.45, -0.05, 0, 0
2AHE, ASP_120, 3.8, -0.51, -0.29, 0.8
3RRQ, ARG_148, 12.57, -0.12, 0.19, 0
1O9G, GLU_38, 1.74, 1.56, -3.39, -0.93
2XHC, GLU_80, 5.74, 2.41, -0.53, -0.64
3CBN, ARG_31, 12.43, -0.19, 0.0, 12
1AK1, ARG_33, 12.31, -0.19, 0, 0
2X4L, ASP_280, 3.72, -0.4, 0.01, 0.31
3M7D, GLU_17, 4.77, 0.26, 0, 0
2WOZ, ASP_516, 3.93, 0, -0.42, 0.54
2H2W, GLU_215, 4.46, 0.43, -0.46, 0
2OPJ, ARG_126, 12.05, -1.04, 0.0, 58
3Q1C, TYR_86, 10.74, 0.41, 0.32
1SQW, ASP_29, 4.07, 0, 0, 27
2DOA, TYR_162, 12.83, 0.0, 2.83
1RAJ, HIS_423, 2.17, -3.54, 0, -0.79
2IF4, GLU_45, 4.09, 0.55, -0.14, -0.83
3LD1, GLU_157, 5.53, 1.34, 0, -0.31
2P52, ARG_280, 12.27, -0.4, 0.0, 17
3M70, HIS_76, 4.54, -2.1, 0.83, -0.69
3M70, TYR_143, 12.04, 0.0, 3, 1.74
3OA7, LYS_491, 11.28, -0.22, 0, 0
3LPZ, ASP_49, 4.31, -0.15, -0.21, 0.86
3K9J, TYR_90, 10.22, 0, -0.07, 0.28
3EUR, TYR_24, 10.92, -0.04, 0, 0.96
1R1S, ARG_84, 11.73, -0.8, 0, 0.02
3DSH, HIS_452, 6.24, -0.26, 0, 0
2DOA, HIS_19, 6.01, -0.43, 0, -0.06
3S0A, LYS_114, 11.01, -0.26, 0.41, 0.37
3OBS, ARG_50, 13.36, -0.35, 0.73, 0.47
2C13, LYS_56, 10.32, -0.18, 0, 0
3V55, TYR_569, 10.11, -0.85, -0.06, 1.02
2YT4, HIS_600, 6.06, -0.37, 0, -0.08
3M3P, GLU_102, 4.66, 0.17, 0, -0.01
1C3K, LYS_19, 10.45, -0.05, 0, 0
1OXZ, GLU_173, 4.81, 0.14, 0, 0.18
1FQI, ASP_366, 1.99, -1.84, -0.46, 0.5
3DZ1, ARG_123, 12.41, -0.31, 0.0, 22
1TLV, GLU_253, 4.63, 0.21, 0, -0.08
2GZR, TYR_190, 10.36, -0.01, -0.29, 0.65
3FFM, LYS_48, 11.36, -0.33, 0.8, 0.38
2WB8, GLU_531, 3.69, 0.84, -1.2, -0.46
2DG7, ASP_85, 4.3, 0.0, 0.5
1YB2, LYS_219, 10.25, -0.26, 0, 0.01
3GE9, GLU_207, 5.18, 2.18, -1.61, 0.11
2JEO, LYS_42, 11.24, -0.36, 0.72, 0.38
4DNU, GLU_345, 3.75, 0.41, -0.85, -0.31
2H30, GLU_103, 4.83, 2.74, -2.33, -0.08
1WLJ, GLU_86, 4.05, 1.61, -1.59, -0.47
4F8S, ASP_107, 2.95, -1.21, -0.36, 0.71
2RGY, GLU_202, 4.63, 0.3, 0, -0.17
1WP5, LYS_186, 9.98, -0.28, 0, -0.24
1RZ2, ARG_43, 13.37, -0.43, 0.72, 0.58
3M70, GLU_244, 4.51, 1, -0.8, -0.18
1OTM, ASP_195, 3.99, 0, -0.34, 0.53
1IDK, TYR_97, 10.62, 0.41, 0.21
3IL3, ASP_30, 4.02, 0, -0.21, 0.43
1ZBM, GLU_223, 3.73, 0.26, -0.85, -0.17
3CZC, GLU_35, 4.36, 0.27, 0, -0.4
2NYC, GLU_228, 4.45, 0.29, -0.62, 0.29
2Q99, ARG_355, 12.85, -0.73, 0.64, 0.44
1T6L, LYS_18, 10.4, -0.1, 0, 0
3V7S, ARG_17, 11.72, -0.94, 0.0, 17
1E5S, ASP_194, 3.86, -0.01, -0.11, 0.18
3EVN, GLU_66, 4.44, 0.17, 0, -0.23
2D2S, LYS_598, 10.3, -0.23, 0, 0.03
1PSW, ARG_196, 12.31, -0.85, 0.0, 66
2W0G, GLU_221, 4.97, 0.42, 0, 0.05
1TR9, GLU_312, 3.95, 0.16, -0.7, 0
2B61, GLU_129, 3.78, 0.57, -0.85, -0.44
1IDK, ASP_201, 3.97, -0.01, -0.04, 0.22
3M7G, ARG_245, 12.36, -0.24, 0.0, 1
3EZ7, LYS_117, 9.78, -1.07, 0, 0.35
3DZ1, ARG_290, 12.78, -0.34, 0.13, 0.49
3LJN, LYS_257, 10.48, -0.02, 0, 0
3E0H, ASP_145, 3.73, -0.25, 0.0, 17
1UOH, GLU_87, 4.24, 0.18, -0.44, 0
1P6F, TYR_122, 10.54, -0.11, 0.27, 0.38
1P6F, GLU_183, 4.59, 0.18, 0, -0.09
1JT9, ARG_126, 12.52, -0.32, 0.0, 35
2GZQ, LYS_163, 10.41, -0.16, 0, 0.07
1C44, LYS_30, 11.44, -0.31, 0.85, 0.4
3EUR, GLU_78, 4.47, 0.29, 0, -0.32
3D9H, LYS_90, 10.31, -0.14, 0, -0.05
1LN4, LYS_59, 9.87, -0.44, 0, -0.2
1C3K, TYR_89, 11.07, 0.0, 0.61, 0.47
3JRT, CYS_61, 12.32, 0, -0.08, 3.4
3M70, GLU_96, 4.52, 0.97, -0.74, -0.21
3ZSL, GLU_205, 2.6, 0.49, -1.65, -0.74
2J8A, HIS_280, 6.42, -0.3, 0.0, 23
3GE9, GLU_37, 4.19, 1.47, -1.0, -0.18
3GE9, ASP_28, 2.71, -1.53, -0.02, 0.46
2E3C, ASP_318, 2.43, -1.66, -0.24, 0.54
1HUJ, LYS_82, 10.51, -0.17, 0, 0.17
1WXQ, TYR_143, 9.65, -0.85, 0.03, 0.47
1X8J, ASP_153, 4.1, 0, -0.08, 0.39
1EV8, LYS_158, 10.55, -0.18, 0, 0.22
1G5Z, LYS_177, 11.49, -0.35, 0.79, 0.56
2YX0, LYS_130, 10.43, -0.07, 0, 0
3PZ9, ARG_111, 13.93, -1.63, 1.98, 1.1
3H04, ASP_256, 3.94, 0.0, 0.14
3EZ7, GLU_332, 4.72, 0.29, -0.01, -0.06
1Z3X, HIS_69, 5.73, -0.76, 0, 0
1WJG, CYS_131, 10.13, -0.29, -0.03, 1.45
2YT4, GLU_540, 4.39, 0.28, -0.04, -0.35
2HP7, LYS_49, 10.44, -0.06, 0, 0
2A0J, LYS_123, 10.48, -0.34, 0.0, 32
2OJQ, ARG_606, 13.44, -0.2, 0.76, 0.38
3BB7, TYR_56, 10.86, 0.01, 0.84
1M5I, GLU_135, 4.51, 0.22, 0, -0.22
2G5S, ARG_133, 11.04, -2.14, 0.08, 0.6
1XAW, ARG_468, 12.71, -0.19, 0.4, 0
3CX2, CYS_239, 12.48, 0.0, 19.3, 29
2ZQ5, HIS_85, 4.65, -1.61, 0, -0.24
2VAN, ARG_326, 12.48, -0.08, 0.0, 0.07
2DFL, ASP_248, 4.01, -0.27, -0.74, 1.21
3G9G, HIS_159, 6.26, -0.31, 0, 0.07
2X4L, LYS_159, 10.56, -0.13, 0.0, 19
1J33, GLU_61, 4.05, 0.45, -0.77, -0.13
2D59, TYR_44, 11.59, 0.0, 33, 1.25
3A4C, GLU_455, 4.56, 0.09, 0, -0.03
2OSA, CYS_268, 9.73, -0.11, 0.03, 0.81
1V8E, ASP_154, 2.95, -1.59, -0.08, 0.81
1X9G, ARG_66, 12.68, -0.12, 0.0, 29
3IBT, GLU_152, 5.41, 1.48, 0, -0.56
1XTZ, LYS_220, 11.51, -0.26, 0.77, 0.51
2NMU, ARG_108, 12.44, -0.54, 0.23, 0.26
2NRK, GLU_59, 4.34, 0.35, -0.37, -0.14
3Q9P, GLU_119, 3.58, 0.33, -0.58, -0.67
1SQH, TYR_36, 11.88, 0.0, 14, 1.74
2YT4, ASP_579, 4.04, 0, -0.08, 0.31
3CGW, ARG_166, 13.38, -0.46, 0.77, 0.57
2EYI, GLU_53, 4.82, 0.12, 0, 0.2
1R53, ARG_9, 12.65, -0.35, 0.08, 0.42
2V1L, GLU_137, 4.6, 0.1, 0, 0
3ONH, CYS_537, 9.32, -0.07, 0.2, 0.19
2CXJ, GLU_108, 4.43, 0.09, 0, -0.16
3IL3, ASP_21, 2.67, -1.19, -0.36, 0.43
2R4Q, HIS_184, 6.37, -0.22, 0.0, 0.09
2ROS, ASP_51, 3.04, -0.85, -0.81, 0.91
2Z84, CYS_212, 11.66, 0.02, 2.65
1QQE, ARG_114, 12.69, -0.14, 0.0, 32
3Q1C, ARG_170, 12.29, -0.5, 0.03, 0.26
1WRU, ARG_155, 13.68, -1.21, 1.09, 1.31
1DUP, ASP_135, 3.96, 0.0, 0.16
3CAN, GLU_164, 4.59, 0.09, 0, 0
4E9E, TYR_485, 10.73, 0, -0.19, 0.92
1M5I, LYS_139, 10.61, -0.12, 0.0, 23
1U7U, HIS_211, 6.46, -0.11, 0.0, 0.07
3DHN, LYS_40, 10.42, -0.16, 0.0, 0.08
1P6F, GLU_55, 4.12, 0.35, -0.73, 0
3LJN, LYS_205, 10.48, -0.02, 0, 0
3EX9, GLU_93, 4.06, 0.38, -0.36, -0.45
2FB6, ASP_14, 3.78, -0.21, -0.08, 0.28
1V43, GLU_205, 3.84, 2.65, -2.51, -0.8
3OBS, LYS_10, 10.4, -0.1, 0, 0
1BN6, CYS_72, 12.38, 0.0, 0.03, 3.35
2D7J, GLU_176, 4.89, 0.41, 0, -0.02
2A6B, GLU_16, 3.59, 0.26, -0.79, -0.38
2Q99, LYS_99, 10.81, -0.54, 0.02, 0.81
2HRZ, ARG_118, 13.47, -0.36, 0.72, 0.61
3QKY, ARG_229, 11.92, -1.0, 0.16, 0.25
2QV2, ASP_184, 3.39, -0.68, -0.44, 0.7
3HYQ, HIS_32, 6.12, -0.18, 0, -0.21
2CXA, GLU_139, 4.77, 0.23, 0.0, 0.05
4AF2, LYS_46, 10.23, -0.27, 0, 0
3M66, LYS_196, 11.52, -0.29, 0.85, 0.46
3FTT, ASP_59, 3.9, 0, -0.17, 0.27
1QQE, LYS_88, 10.81, -0.61, 0.3, 0.62
3ICD, TYR_309, 11.95, 0.0, 34, 1.62
4DNU, ARG_212, 13.75, -0.74, 1.33, 0.67
2EFK, LYS_140, 11.26, -0.4, 0.85, 0.32
3EZ7, GLU_94, 4.34, 0.37, -0.24, -0.29
2BT8, ASP_249, 2.67, -1.5, -0.29, 0.67
3V4G, GLU_119, 4.77, 0.27, 0, 0
3K8J, LYS_176, 10.67, -0.37, 0.42, 0.11
3E5T, LYS_220, 10.35, -0.89, 0.0, 74
2V4U, LYS_331, 10.33, -0.18, 0.0, 0.01
1JT9, ARG_91, 12.31, -0.38, 0.0, 19
1YTQ, ASP_169, 3.85, 0, -0.37, 0.41
3FXH, TYR_49, 10.5, 0, -0.38, 0.87
3RJX, LYS_343, 10.04, -0.82, 0.0, 36
2GSX, TYR_187, 10.15, -0.16, 0.13, 0.18
1X91, ARG_119, 12.47, -0.03, 0, 0
1LTU, GLU_207, 6.88, 3.12, -0.85, 0.11
2C2Y, ASP_90, 3.98, 0, -0.03, 0.21
2CBE, ASP_101, 3.15, -0.84, -0.37, 0.56
4H86, HIS_175, 6.71, -0.68, 0.84, 0.05
2FBQ, ASP_214, 4.04, 0.07, 0.17
1F2V, TYR_14, 10.1, -0.07, -0.39, 0.56
2OBS, GLU_119, 4.33, 0.38, -0.17, -0.38
3BA1, GLU_263, 4.39, 0.18, 0, -0.29
2OEW, GLU_62, 4.56, 0.12, 0, -0.05
3HQX, GLU_31, 4.7, 0.18, 0.0, 0.02
3PPB, ASP_35, 2.03, -1.81, -0.68, 0.72
2E3S, HIS_422, 4.95, -1.73, 0.0, 18
2CVB, ARG_63, 13.32, -0.45, 0.9, 0.38
3CRM, CYS_31, 11.53, 0.0, 13.2, 4
1GVP, GLU_40, 4.58, 0.08, 0, 0
1RAJ, LYS_383, 10.68, -0.09, 0.0, 28
3DSH, ARG_353, 12.1, -0.47, 0.0, 0.07
3CZC, HIS_59, 6.47, -0.22, 0.0, 19
1QQE, GLU_122, 4.05, 1.21, -1.15, -0.51
3M7D, ARG_276, 12.59, -0.08, 0.0, 18
1WXQ, ARG_352, 13.3, -0.44, 0.8, 0.44
2BDD, GLU_139, 4.73, 0.23, 0, 0
2YWK, GLU_183, 14.05, -1.42, -0.53
3U2R, ASP_26, 4.06, 0, -0.13, 0.38
3AU3, ASP_651, 3.57, -0.3, -0.11, 0.18
2Q98, HIS_173, 5.18, -0.91, 0, -0.42
1UJ8, ASP_34, 2.55, -1.4, -0.38, 0.53
3BZT, TYR_345, 10.2, 0.0, 14, 0.06
3F6M, GLU_81, 3.34, 0.49, -1.03, -0.62
1XKR, GLU_57, 4.8, 0.12, 0.0, 18
3T5B, LYS_354, 10.15, -0.44, 0.0, 0.09
3B7X, TYR_61, 11.81, 0.74, 0.43, 0.63
2ATR, GLU_107, 4.61, 0.15, 0, -0.04
3PP8, ARG_192, 13, -1.61, 0.86, 1.24
1U7U, HIS_320, 6.4, -0.24, 0.0, 14
2IQT, ARG_56, 13.55, -0.7, 1.02, 0.74
4FH3, CYS_75, 10.73, -0.25, 0.14, 1.84
3HVM, HIS_54, 5.67, -1.34, 0.0, 5
1S1Y, GLU_95, 12.33, -1.74, 0.68, 0.89
1OGL, TYR_209, 9.64, -0.5, -0.29, 0.43
3M16, ARG_188, 10.44, -1.88, 0, -0.18
3OIP, HIS_12, 6.31, -0.19, 0, -0.01
4DIU, ARG_32, 11.76, -0.43, 0, -0.31
2APL, HIS_146, 6.33, -0.17, 0.0, 0
3FXH, GLU_127, 4.52, 2.74, -2.47, -0.26
1AK1, ARG_240, 13.19, -0.33, 0.66, 0.36
3E7P, ASP_43, 2.63, -1.17, -0.38, 0.39
3DHN, ARG_176, 12.32, -0.2, 0.0, 0.02
3IBT, ARG_183, 13.62, -0.79, 1.09, 0.81
2RIK, ASP_225, 2.88, -0.85, -0.41, 0.35
3G9G, LYS_44, 10.55, -0.18, 0.0, 22
1T95, GLU_103, 4.57, 0.14, 0, -0.08
1YDL, GLU_55, 4.66, 0.18, 0, -0.02
3U2R, ARG_27, 13.75, -0.32, 1.17, 0.4
2OEW, LYS_269, 10.5, -0.3, 0.0, 31
3FTT, LYS_183, 10.43, -0.07, 0.0, 0
1L2F, GLU_22, 4.51, 0.49, -0.32, -0.16
2NMU, HIS_137, 6.21, -0.29, 0, 0
3RKV, GLU_327, 4.95, 0.38, 0.0, 0.07
3RFY, GLU_178, 4.82, 0.19, 0.0, 13
3IL3, LYS_24, 10.55, -0.08, 0.0, 13
3RE9, TYR_111, 8.95, -0.85, -0.51, 0.31
3EUR, GLU_97, 3.86, 0.88, -1.14, -0.37
1HF8, TYR_44, 10.58, 0.31, 0.27
3CNU, GLU_39, 3.43, 1.06, -1.66, -0.47
3DHN, LYS_153, 10.4, -0.12, 0.0, 0.02
2XJ4, GLU_256, 4.84, 1.95, -0.93, -0.68
3ODJ, HIS_39, 5.65, -1.11, 0.59, -0.33
2HZZ, CYS_22, 10.17, -0.09, -0.52, 1.77
2GAU, ARG_199, 12.38, -0.12, 0, 0
3VJ8, HIS_347, 7.38, -0.35, 0.85, 0.38
4AM1, GLU_8, 4.47, 0.12, 0, -0.15
2QV2, GLU_12, 3.99, 0.36, -0.76, -0.1
1YOY, CYS_30, 10.23, -0.34, 0.0, 0.07
1L3K, ARG_53, 12.42, -0.11, 0.0, 0.03
2CN1, LYS_27, 10.53, -0.09, 0.0, 12
2IF4, TYR_208, 10.82, -0.01, -0.22, 1.06
2Q34, LYS_234, 10.9, -0.11, 0.0, 52
2OKT, GLU_233, 3.82, 0.26, -0.66, -0.28
1WLY, LYS_9, 10.34, -0.16, 0.0, 0
2HRZ, ARG_209, 12.76, -1.58, 1.2, 0.65
3V3T, GLU_237, 4.49, 0.33, 0, -0.34
1GXN, ARG_353, 12.29, -0.26, 0.0, 0.05
3JZ9, LYS_370, 11.26, -0.47, 0.85, 0.38
1S1J, HIS_540, 10.4, -0.52, 0.0, 22
1WXQ, CYS_55, 8.14, -1.07, 0.0, 42
2D8N, LYS_194, 10.07, -1.35, 0.85, 0.07
4DBX, TYR_252, 12.89, 0.83, 2.06

3GOZ,HIS_8,6.35,-0.23,0,0.08
 4DVD,ASP_11,3.71,-0.48,-0.02,0.41
 1QZN,LYS_60,10.54,-0.09,0,0.14
 1RWZ,ASP_70,3.44,-0.89,-0.24,0.78
 2IRM,ARG_40,12.05,-0.81,0,0.37
 1RSS,GLU_90,4.69,0.19,0,-0.01
 1OLR,LYS_76,10.26,-0.33,0,0.1
 3JZ9,LYS_491,10.1,-0.48,0,0.07
 2YWJ,GLU_16,4.87,0.58,0,-0.2
 3UC9,HIS_31,6.29,-0.27,0,0.06
 3OA7,ARG_566,13.1,-0.28,0.42,0.45
 2ROS,LYS_162,10.41,-0.09,0,0
 3CAX,LYS_420,10.26,-0.14,0,-0.1
 3FRR,TYR_64,10.51,0,0.02,0.5
 3HKX,HIS_28,5.26,-1.17,0,-0.07
 2OOK,GLU_33,4.67,0.24,0,-0.07
 1W7B,ASP_200,3.48,-0.47,-0.57,0.71
 1XTZ,LYS_72,10.61,-0.18,0,0.28
 2B2H,ASP_268,2.88,-1.73,-0.12,0.94
 4E8B,ARG_223,13.2,-0.13,0.41,0.42
 4DVD,ARG_52,12.81,-0.12,0,0.44
 3O16,ARG_16,13.22,-0.8,0.84,0.68
 3IOO,ASP_192,3.94,0,0,0.14
 2AZP,ARG_54,12.27,-0.96,0.46,0.28
 1ZP2,ARG_49,12.25,-0.23,0.05,-0.06
 3PM2,LYS_86,10.67,-0.13,0,0.3
 2BDD,GLU_61,4.67,0.31,0,-0.13
 3F7M,ARG_168,12.79,-0.37,0.17,0.49
 2C13,HIS_235,4.34,-2.22,0.06,-0.01
 2AXO,ASP_124,3.28,-1.01,-0.66,1.16
 2XHC,TYR_215,10.12,0,-0.14,0.26
 2V5B,LYS_60,10.51,-0.28,0,0.3
 2EDM,ASP_177,3.2,-0.8,-0.13,0.32
 3F1X,GLU_77,4.64,0.14,0,0
 3CZC,LYS_71,10.32,-0.27,0,0.09
 1JKS,ASP_238,3.8,0,-0.18,0.17
 2FGG,ARG_63,11.82,-0.44,0,-0.24
 2P1W,GLU_205,4.17,0.21,-0.23,-0.31
 1WYC,ASP_248,3.92,0,-0.06,0.19
 3FTT,GLU_48,4.57,0.21,0,-0.15
 2E3S,HIS_509,6.21,-0.49,0,0.19
 3JZN,GLU_145,5.92,2.66,-1.33,0.09
 4F8A,HIS_601,7.4,-0.3,0.85,0.34
 3EYE,HIS_79,6.16,-0.26,0,-0.09
 1XTD,CYS_49,10.78,-0.21,0.33,1.65
 3EVP,HIS_235,6.2,-0.3,0.6,94E-18
 2YX0,ASP_161,3.15,-0.85,-0.42,0.61
 2EJX,ASP_117,2.93,-0.84,-0.38,0.35
 1ZBM,GLU_36,3.82,0.78,-1.03,-0.43
 1DOV,TYR_237,10.23,0,0.04,0.19
 2CXY,GLU_107,4.56,0.16,0,-0.1
 3GYW,LYS_70,10.57,-0.25,0.31,0
 3GS9,ASP_131,3.15,-1.62,-0.02,0.98
 1QQE,ASP_290,2.94,-1.02,0,0.16
 2X4L,TYR_328,12.45,0.4,2.05
 1PDB,ARG_28,12.23,-0.3,0,0.03
 2EFK,ARG_278,12.45,-0.05,0,0
 1QVI,GLU_233,4.27,0.28,0,-0.51
 3DZ1,GLU_253,6.23,4.9,-1.14,-2.03
 3V55,LYS_582,11.26,-0.32,0.7,0.38
 2EEY,GLU_114,4.5,1.26,-0.77,-0.48
 2D0A,CYS_291,11.45,-0.45,-0.01,2.92
 1JKS,GLU_109,4.5,0,0,0
 3GW3,TYR_202,13.98,-0.26,0.92,3.33
 1W7B,GLU_142,3.03,0.46,-1.54,-0.39
 3QYB,LYS_888,10.41,-0.09,0,0
 2B0A,ASP_173,3.04,-0.59,-0.38,0.21
 2P4D,GLU_164,4.59,0.38,-0.01,-0.29
 1PGV,ARG_248,12.33,-0.21,0,0.04
 1RZ2,ASP_127,2.5,-1.42,-0.42,0.54
 1J8B,LYS_66,11.15,-0.17,0.82,0
 2O8P,ARG_53,12.92,-1.61,1.15,0.88
 3GS9,LYS_182,10.46,-0.27,0,0.22
 2I6I,LYS_26,10.46,-0.06,0,0.01
 3CRM,HIS_217,5.45,-0.61,0,-0.45
 3U0V,LYS_195,10.36,-0.14,0,0
 1P4X,GLU_29,4.63,0.14,0,-0.01
 3COU,ARG_129,12.39,-0.19,0,0.08
 1R5Q,TYR_18,13.27,0,0.09,3.19
 2H2Z,LYS_102,10.79,-0.17,0,0.46
 1IDK,TYR_211,11.94,0.13,0.38,1.42
 2FGG,CYS_11,9.28,0,-0.05,0.33
 1F09,GLU_211,7.79,2.82,-0.85,1.32
 4EUG,GLU_14,4.39,0.96,-0.85,-0.22
 1ZBM,ASP_125,3.99,-0.13,-0.09,0.41
 3LUN,TYR_245,12.28,0,0.66,1.62
 4H89,CYS_107,12.01,0,-0.11,3.11
 1IAP,ARG_111,12.22,-0.41,0,0.14
 3IRA,ARG_140,12.64,-0.67,0.25,0.55
 3GS3,GLU_66,4.83,0.54,0,-0.19
 1YTQ,LYS_107,11.3,-0.39,0.61,0.57
 3ODJ,TYR_125,12.75,0.17,0.02,2.57
 2YWK,ASP_9,3.36,-0.6,-0.17,0.33
 1QQE,ARG_50,12.59,-0.4,0,0.5
 1V43,ARG_307,12.95,-0.34,0.37,0.43
 1S17,ARG_92,12.54,-0.2,0,0.24
 3US6,LYS_72,10.52,-0.06,0,0.08
 2YLF,ARG_222,12.25,-0.3,0,0.05
 3LMF,ASP_44,4.49,0.11,0.38,0.2
 1X9G,TYR_8,11.5,0.03,0.46,1.01
 2IIA,ARG_73,12.73,-0.16,0.01,0.38
 2FC3,GLU_38,4.13,0.3,0,-0.66
 1K95,GLU_143,4.76,1.04,-0.88,0.09
 3GW3,CYS_35,12.64,0,0.3,64
 2CW4,ARG_46,12.8,-0.22,0,0.53
 2FBQ,HIS_162,6.33,-0.88,0.8,-0.08
 3CCY,ARG_13,12.88,-0.48,0.17,0.69
 1PSW,ARG_105,11.35,-1.15,0,0
 1AD6,ASP_511,2.8,-1.6,-0.12,0.72
 1WYC,ARG_387,13.07,-0.52,0.74,0.35
 1W7B,LYS_157,10.77,-0.2,0.02,0.45
 1LZL,ASP_47,3.84,0,-0.11,0.14
 3GV0,ASP_201,3.43,-0.76,-0.47,0.87
 3PP8,ASP_307,4.12,-0.08,0.16,0.24
 3M7D,ASP_336,3.96,0,0,0.16
 2FZ4,GLU_207,4.67,0.17,0,0
 2JEO,HIS_120,5.37,-1.08,0,-0.05
 3JRT,ASP_131,3.95,0,0,0.15
 2Q13,LYS_63,11.29,-0.29,0.7,0.38
 1NWA,ARG_93,12.46,-1.43,0.68,0.71
 1RHS,LYS_13,11.27,-0.18,0.63,0.31
 2C2Y,ASP_114,3.43,-0.79,-0.24,0.66
 2F8H,ARG_166,11.62,-1.79,0.8,0.11
 1BKB,GLU_36,4.57,0.16,0,-0.09
 4AM1,LYS_289,11.38,-0.55,0.85,0.59
 1PSW,CYS_243,11.88,0,0.2,88
 3HNX,ARG_63,12.38,-0.28,0,0.15
 1R15,TYR_226,9.78,-0.85,0.19,0.44
 3K8U,GLU_130,3.74,1.64,-1.6,-0.8
 3VHU,LYS_116,11.24,-0.41,0.69,0.46
 2FC3,GLU_93,4.63,0.11,0,0.01
 2HP7,CYS_214,12.94,0,0.08,3.86
 3HVM,HIS_227,5.12,-1.94,0.25,0.31
 1BKR,TYR_98,12.61,-0.85,0.08,3.38
 3P51,ARG_130,12.2,-0.33,0,0.03
 3GT0,TYR_180,10.18,0,0,0.18
 3JZN,ARG_201,12.38,-0.2,0,0.08
 4AF2,GLU_74,4.3,0.31,-0.42,-0.09
 2F8H,ASP_305,3.82,0,-0.23,0.25
 2H30,LYS_120,10.44,-0.17,0,0.11
 4EKU,CYS_298,10.74,0.43,0.31,1
 3GOZ,GLU_99,2.81,0.4,-1.71,-0.39
 1X7F,ARG_333,13.94,-0.38,1.36,0.46
 1BKR,LYS_43,10.27,-0.23,0,0
 1OOX,GLU_249,4.33,0.65,-0.38,-0.44
 3CQ1,ASP_20,3.93,-1.21,0,1.33
 2VAN,LYS_262,10.21,-0.52,0,0.22
 3M7D,HIS_373,6.37,-0.23,0,0.11
 1R53,LYS_162,10.25,-0.17,0,-0.08
 3EVN,GLU_22,4.48,0.33,-0.23,-0.13
 4H86,GLU_38,4.44,0.25,-0.01,-0.29
 1O59,HIS_244,7.06,-0.61,0.53,0.64
 1YOY,GLU_102,4.45,0.11,0,-0.16
 2EFK,LYS_173,10.96,-0.26,0.21,0.52
 3VJ8,LYS_115,10.42,-0.2,0,0.13
 1ZHV,ASP_75,3.8,0,0,0
 3UPD,GLU_303,3.37,0.71,-1.45,-0.38
 2YX0,GLU_152,6.48,4.45,-2.42,-0.04
 3V55,CYS_439,11.68,0.08,2,6
 3OIP,LYS_13,10.33,-0.17,0,-0.01
 1JSX,LYS_21,9.59,-1.14,0,0.23
 1R3D,HIS_150,6.45,-0.28,0,0.24
 2EEY,GLU_148,3.46,0.4,-0.79,-0.64
 3I4T,CYS_247,12.14,0.0,11,3.04
 2RGY,TYR_100,13.45,0.1,0.5,2.4
 3V3T,ASP_88,3.87,0,-0.29,0.37
 1PZC,ASP_94,3.68,-0.03,-0.24,0.15
 3BCX,ARG_102,12.28,-0.22,0,0
 3ADO,GLU_271,4.67,0.1,0,0.07
 2OOK,GLU_303,4.52,0.27,0,-0.25
 1YTQ,TYR_111,10.09,-0.46,-0.43,0.99
 1NAR,GLU_138,2.78,0.65,-1.99,-0.38
 3CCY,ASP_104,3.1,-1.01,-0.67,0.98
 3CIV,CYS_243,10.38,0.3,1,0.8
 2GRS,ASP_179,3.83,-0.51,-0.31,0.86
 4ESS,ASP_5,13.13,-0.27,0.64,0.26
 2DG7,GLU_144,4.77,0.19,0,0.08
 2E3C,ARG_356,13.26,-0.46,0.57,0.65
 3PP8,GLU_101,4.65,0.3,0,-0.15
 3V75,ARG_70,12.59,-0.99,0.68,0.4
 1WYC,ARG_328,11.29,-1.71,0,0.49
 1LZL,ASP_43,4,0,0,0.2
 1X7F,GLU_131,3.24,0.43,-0.97,-0.73
 1L2F,LYS_123,10.44,-0.32,0,0.28
 3DB9,ARG_179,12.29,-0.27,0,0.06
 2BDD,TYR_104,5.24,3.89,-3.33,0.19
 3BPJ,TYR_142,10.74,0,0,0.74
 3FXH,ASP_68,3.62,0,-0.4,0.23
 3MTT,GLU_436,4.57,0.07,0,0
 2OKT,TYR_9,12.65,0.85,0.56,1.24
 3BQW,LYS_349,11.69,-0.34,0.85,0.69
 3M9A,TYR_25,10.38,0,-0.05,0.43
 2H8O,ARG_69,13.5,-1.04,1.44,0.6
 2BQQ,LYS_54,10.5,0,0,0
 2XMZ,GLU_161,4.61,0.11,0,0
 1JKS,LYS_33,10.68,-0.38,0,0.56
 2RH3,ARG_179,12.32,-0.24,0,0.06
 1OOX,TYR_105,9.13,-0.78,-0.41,0.31
 1XTD,HIS_116,7.37,-0.33,0.85,0.35
 3H9W,ARG_95,12.43,-0.2,0,0.13
 1O59,HIS_0,6.17,-0.15,0,-0.18
 3ERF,GLU_207,4.47,0.22,-0.18,-0.06
 1IDK,TYR_149,10.45,-0.61,0.1,0.96
 2B78,ARG_16,12.19,-0.38,0,0.07
 1EDG,TYR_296,12.25,0,-0.09,2.34
 2YWK,ARG_74,12.32,-0.18,0,0
 1QYI,GLU_195,5.6,1.27,0,-0.17
 3N0K,TYR_132,10.05,0,0,0.05
 2PLQ,ASP_311,3.57,-0.51,-0.09,0.37
 1ES9,HIS_79,4.32,-1.99,0,-0.19
 3JZN,HIS_295,6.19,-0.34,0.15,-0.12
 3OOP,ASP_11,4.12,0,0,0.32
 1X91,ARG_44,11.95,-0.55,0,0
 4E8B,ARG_238,12.19,-0.31,0,0
 2ZQ5,HIS_121,3.04,-2.62,0.46,-1.31
 2FBQ,HIS_91,5.84,-0.54,0,-0.12
 2R57,ARG_364,11.98,-2.4,0.79,1.09
 1LFP,LYS_58,10.34,-0.49,0,0.33
 4E65,GLU_32,4.25,0.27,-0.05,-0.47
 3I47,ASP_5,3.33,-0.65,-0.39,0.57
 1Z3X,LYS_21,10.45,-0.05,0,0
 1G8P,ARG_343,12.37,-0.13,0,0
 3MIX,ARG_533,12.26,-0.24,0,0
 2DG7,ASP_26,3.88,0,-0.16,0.25
 1M5I,GLU_201,4.92,0.28,0,0.14
 2APL,CYS_46,10.11,-0.01,0.41,0.71
 2GZR,ASP_96,3.68,0,-0.46,0.35
 2PLQ,LYS_205,10.1,-0.54,0,0.14
 3CIV,ASP_100,2.73,-1.44,-0.22,0.6
 3ULX,GLU_9,5.06,0.7,0,-0.13
 1WP5,GLU_122,4.13,0.33,-0.11,-0.58
 3AU3,ARG_527,12.39,-0.12,0,0
 3CS1,CYS_74,11.79,-0.74,0.3,3.53
 3BPV,ASP_82,3.19,-0.83,-0.43,0.65
 2Q12,LYS_191,10.96,-0.68,0.85,0.29
 1MUF,TYR_281,10.36,0.0,1.2,0.25
 1TWU,LYS_97,11.23,-0.38,0.69,0.43
 2FZ4,ASP_89,4.04,0,0,0.24
 3FXH,GLU_87,1.76,0.38,-2.32,-0.78
 1O6D,GLU_52,5.71,1.75,0,-0.54
 2QDJ,GLU_322,2.97,0.36,-1.13,-0.76
 3ANJ,LYS_370,10.25,-0.36,0,0.11
 2JEO,LYS_204,10.98,-0.24,0.43,0.28
 3DTE,ASP_59,2.21,-1.74,-0.44,0.6
 2PIM,ASP_123,4,-0.01,-0.03,0.23
 4FZR,GLU_180,4.27,0.46,-0.61,-0.09
 1SJV,LYS_142,10.37,-0.39,0,0.27
 2A1V,ARG_58,12.26,-0.32,0,0.08
 2A1V,ARG_67,13.97,-0.71,1.56,0.62
 3ZRI,LYS_145,11.01,-0.26,0.4,0.37
 4EUG,HIS_180,5.25,-1.68,0.52,-0.09
 2B61,LYS_255,10.47,-0.09,0,0.06
 3M3P,HIS_182,6.49,-0.24,0,0.23
 2D25,LYS_746,10.52,-0.1,0,0.12
 3GS3,ASP_146,3.92,0,0,0.12
 3M7G,TYR_177,10.19,-0.29,-0.19,0.67
 1WP5,LYS_222,10.4,-0.2,0,0.09
 1PDB,GLU_143,4.66,0.2,0,-0.03
 1NKD,GLU_41,4.95,0.26,0,0.18
 2FZ4,TYR_183,10.24,0.0,1.0,15
 3LH5,HIS_759,5.97,-0.23,0.03,-0.33
 1S17,ARG_230,12.3,-0.2,0,0
 1U7U,LYS_187,10.37,-0.13,0,0
 2EYI,ARG_187,13.36,-0.34,0.84,0.36
 3ETU,GLU_67,4.74,0.24,0,0
 2RIS,CYS_59,12.49,0.75,2.74
 3FS3,LYS_233,10.43,-0.07,0,0
 3M6G,ASP_335,3.43,-0.66,-0.04,0.33
 1YG2,LYS_99,10.51,-0.21,0,0.22
 2RIK,GLU_41,4.29,0.23,0,-0.43
 3ETV,LYS_249,10.46,-0.04,0,0
 2ZCO,TYR_154,11.45,0.0,45,0.99
 1ES9,ARG_93,12.28,-0.23,0,0.02
 2Q34,GLU_163,4.15,0.2,-0.52,-0.03
 2Z0M,ARG_238,12.41,-0.09,0,0
 1T3Y,ASP_116,3.34,-0.76,-0.02,0.32

1Y0K,GLU_39,3.51,1.14,-1.57,-0.56
 3GMS,ASP_30,4.09,0,0,0.29
 2A4D,GLU_135,3.87,0.32,-0.79,-0.16
 1NRI,ASP_253,3.56,-0.34,0,0.1
 1PSW,ARG_27,12.72,-0.32,0.05,0.48
 2H85,CYS_290,8.76,-0.23,-0.29,0.28
 1S17,ARG_186,12.44,-0.06,0,0
 1X7F,ASP_126,2.25,-1.44,-0.64,0.53
 2FZP,HIS_251,5.57,-0.69,0,-0.23
 1QQL,GLU_36,4.46,0.38,-0.15,-0.27
 4E8B,LYS_91,10.32,-0.54,0,0.36
 3BJV,GLU_49,4.82,0.24,0,0.08
 2OJQ,ARG_496,12.55,-0.34,0,0.38
 1H09,LYS_207,11.39,-0.24,0.47,0.65
 3UPD,GLU_148,5.32,3.15,-1.52,-0.82
 2FPN,GLU_160,4.06,0.48,-0.4,-0.52
 2EEY,LYS_14,10.37,-0.26,0,0.13
 4FZN,ARG_94,12.74,-0.47,0.09,0.62
 1F09,LYS_332,10.4,-0.1,0,0
 1X04,GLU_160,4.36,0.43,-0.24,-0.34
 2G3A,ASP_19,3.26,-0.85,-0.05,0.37
 1OST,GLU_414,3.85,0.57,-0.76,-0.45
 3C6B,LYS_270,10.69,-0.2,0,0.39
 1X9G,CYS_17,12.78,-0.1,0.46,3.41
 2P52,GLU_221,4.24,0.33,-0.56,-0.02
 2FD4,LYS_453,10.6,-0.29,0,0.39
 1MML,ARG_159,12.04,-0.46,0,0
 1QQE,ASP_246,4.08,0,-0.1,0.38
 1G5Z,GLU_61,4.41,0.31,-0.02,-0.38
 2FZP,GLU_315,3.87,0.31,-0.55,-0.39
 3Q1C,LYS_309,10.71,-0.15,0,0.36
 1WP5,ASP_309,3.44,-0.93,-0.04,0.61
 2D7U,LYS_109,11.29,-0.56,0.83,0.52
 2P0Y,LYS_282,10.31,-0.25,0,0.06
 1DZF,GLU_172,3.43,0.3,-0.85,-0.51
 2FC3,ARG_25,13.01,-0.25,0.22,0.54
 2DVK,ASP_153,2.46,-0.98,-0.62,0.27
 3DSH,LYS_441,10.43,-0.07,0,0
 1ZBP,ARG_146,12.2,-1.22,0.05,0.86
 3LD1,HIS_352,6.05,-0.92,0.16,0.3
 2C2Y,ASP_7,3.28,-0.77,-0.2,0.45
 2E3S,HIS_430,6.46,-1.46,0.85,0.57
 1QQE,ASP_289,4.06,0,0,0.26
 1CBY,LYS_140,10.54,-0.27,0,0.3
 1P2F,LYS_29,10.62,-0.18,0,0.3
 2B3M,GLU_35,4.6,0.1,0,-0.01
 1X1E,CYS_218,12.2,0,-0.31,3.51
 2ZQ5,ASP_28,2.28,-1.58,-0.43,0.49
 2AH5,LYS_61,10.46,-0.04,0,0
 2Q12,LYS_158,10.58,-0.08,0,0.16
 1WP5,GLU_92,3.65,1.73,-2.48,-0.11
 3NR5,LYS_100,10.31,-0.23,0,0.03
 4EVF,GLU_10,5.07,0.54,0,0.04
 2EEY,TYR_157,9.69,0,-0.7,0.39
 3M7G,ASP_160,4.06,0,0.06,0.2
 1EV8,GLU_58,6.64,2.96,-0.82,0
 1RHS,LYS_135,10.53,-0.18,0,0.2
 2IQT,LYS_94,10.51,-0.11,0,0.12
 3RFY,ASP_197,3.81,0,-0.18,0.19
 4ECC,ARG_18,11.86,-3.35,0,2.71
 3M7G,GLU_8,3.22,0.38,-1.67,0
 3EJC,TYR_88,11.01,0,0.03,0.98
 2JEO,TYR_115,12.21,0,0.17,2.05
 1K95,GLU_71,4.39,0.35,-0.72,0.25
 4EZB,GLU_200,3.02,0.61,-1.45,-0.65
 3A4C,CYS_491,11.34,-0.01,0.29,2.07
 3I4T,GLU_21,4.55,0,0,-0.11
 2D8N,ASP_61,2.95,-0.83,-0.41,0.38
 3CAN,LYS_180,10.49,-0.15,0,0.14
 2XHC,ASP_75,3.36,-0.83,-0.08,0.47
 3GEC,ARG_272,13.28,-0.37,0.53,0.62
 2IN0,HIS_439,6.37,-0.98,0.73,0.13
 3FRR,TYR_128,11.93,0,0.06,1.88
 3OBS,LYS_90,10.29,-0.42,0,0.21
 2E3C,ASP_386,4.03,0,-0.3,0.53
 3ERF,GLU_123,4.63,0.61,0,-0.48
 3HNX,ASP_82,1.97,-2.05,-0.38,0.6
 1S7K,ARG_146,12.61,-0.29,0.1,0.3
 1NRI,GLU_177,4.84,0.32,0,0.02
 1WRU,ARG_262,11.8,-0.56,0,-0.14
 1D2K,ARG_39,11.41,-2.16,0.1,0.7
 3L3P,LYS_496,10.45,-0.05,0,0
 2YLF,ARG_75,12.31,-0.16,0,-0.03
 1ZBS,GLU_48,4.37,0.58,-0.71,0
 2E3S,ARG_574,13.08,-0.35,0.6,0.33
 3RLN,LYS_696,11.02,-0.53,0.54,0.52
 3OOP,GLU_35,2.92,0.44,-1.46,-0.55
 2D0A,HIS_86,6.08,-0.29,0,-0.13
 3PU6,TYR_82,9.83,-0.41,-0.15,0.39
 1WXQ,GLU_230,4.46,0.11,0,-0.15
 2YT4,GLU_594,4.65,0.15,0,0
 3K8J,LYS_200,10.38,-0.18,0,0.06
 1O9G,GLU_141,4.9,0.86,0,-0.45
 2EEY,CYS_76,10.77,0.04,1.35
 3HFJ,GLU_110,4.58,0.08,0,0
 2OPJ,ARG_49,12.1,-0.56,0,0.16
 4AM1,LYS_24,10.59,-0.15,0,0.23
 1ZCE,ASP_87,4.68,0,-0.13,1.02
 3H5T,CYS_247,12.48,-0.01,0.35,3.15
 2XHC,TYR_172,10.74,-0.91,0.11,1.55
 1VJG,GLU_67,4.12,0.81,-0.55,-0.64
 2OPJ,ARG_190,13.66,-0.3,0.98,0.48
 2EEY,ASP_71,3.84,0,-0.22,0.26
 1WRU,ASP_131,1.31,-2.68,-0.52,0.7
 3O7K,ARG_49,12.27,-0.39,0,0.15
 3IVF,ASP_125,3.65,-0.01,-0.38,0.25
 2DFL,ARG_223,12.4,-0.1,0,0
 1XFK,LYS_216,10.35,-0.11,0,-0.03
 2RIS,CYS_181,11.88,-0.28,0.32,2.85
 3HKX,ASP_258,2.97,-0.85,-0.48,0.51
 1SBX,ASP_156,3.84,-0.08,-0.35,0.47
 2A0J,HIS_41,6.58,-0.31,0,0.39
 1P2F,LYS_142,10.44,-0.07,0,0.02
 2D59,ARG_36,12.57,-0.2,0,0.27
 3N0K,GLU_81,4.76,0.15,0,0.11
 1Q5Z,ASP_568,3.44,-0.74,-0.68,1.05
 2CXV,GLU_28,4.7,0.14,0,0.06
 3FWU,ARG_16,12.39,-0.28,0,0.18
 2G9D,ARG_103,12.27,-0.25,0,0.02
 3BA1,LYS_89,10.43,-0.19,0,0.12
 2W2S,GLU_126,4.49,0.11,0,-0.12
 3DSH,ASP_442,3.59,-0.55,-0.01,0.36
 3BWT,GLU_658,3.07,0.98,-1.15,-1.26
 1WP5,ARG_298,13.05,-0.2,0.26,0.49
 3H13,TYR_322,10.56,0,0,0.56
 3OA7,GLU_434,4.68,0.18,0,0
 1ZCE,ASP_102,3.57,-0.3,-0.18,0.26
 2WOZ,TYR_571,10.78,-0.19,-0.1,1.08
 2GZR,ASP_59,3.03,-0.85,-0.27,0.36
 2G5X,LYS_155,10.36,-0.14,0,0
 1MTZ,LYS_257,10.41,-0.22,0,0.13
 4DNU,ASP_208,2,-2.13,-0.46,0.78
 1P1L,LYS_57,9.84,-1.01,0,0.36
 1WLJ,TYR_46,10.17,0,0,0.17
 2FXT,ASP_410,3.98,0.01,0.18
 3NRR,ARG_478,12.2,-0.46,0,0.16
 2H85,GLU_233,4.69,0.97,-0.79,3.47E-18
 3AUF,ARG_23,13.69,-0.33,0.91,0.61
 3GOZ,GLU_16,4.83,0.31,0,0.02
 1ZKZ,LYS_64,10.41,-0.09,0,0
 3CX5,GLU_37,4.48,0.1,0,-0.12
 1AT0,GLU_297,3.56,0.28,-0.78,-0.44
 4AM1,ARG_202,12.07,-1.14,0,0.71
 2PGE,ARG_71,12.47,-0.11,0,0.09
 1WNH,GLU_60,4.06,2.44,-2.64,-0.24
 1BN6,ASP_42,3.74,-0.16,-0.07,0.17
 2V81,ARG_188,12.2,-0.31,0,0.01
 3RE9,LYS_120,10.49,-0.36,0,0.34
 3M7D,ARG_83,12.52,-1.58,0.67,0.94
 1P4C,GLU_207,3.66,0.31,-0.85,-0.3
 3UC9,GLU_133,4.64,0.13,0,0.02
 1IAP,GLU_50,3.35,0.39,-0.9,-0.65
 3M7G,TYR_66,13.91,0.85,0.14,2.92
 2EA9,TYR_104,10.78,-0.1,-0.16,1.05
 3OIP,ARG_122,12.44,-0.66,0,0.61
 2EJB,ARG_109,12.96,-0.46,0.52,0.39
 1WLJ,GLU_20,3.19,0.19,-0.85,-0.65
 2B3M,TYR_112,10.62,-0.85,0.12,1.35
 3F6M,ARG_80,12.96,-0.48,0.56,0.39
 1Z9L,HIS_4,6,-0.36,0,-0.14
 3BA1,LYS_132,10.29,-0.21,0,0
 3ERF,HIS_134,5.81,-0.64,0,-0.04
 1ZBS,LYS_18,10.49,-0.14,0,0.13
 2B78,GLU_172,4.94,0.27,0.17
 1U53,ASP_33,3,-2.44,-0.22,1.87
 2EYI,GLU_235,3.89,0.66,-0.24,-1.04
 3ASA,GLU_267,5.36,1.09,0,-0.22
 1SIG,HIS_331,6.47,-0.33,0,0.31
 1MML,LYS_267,10.38,-0.12,0,0
 1GSZ,LYS_110,10.75,-0.26,0.02,0.49
 1QQL,TYR_22,10.52,0,-0.11,0.63
 3HKX,GLU_107,4.43,0.7,-0.74,-0.02
 4EVF,ARG_78,12.14,-3.23,0.08,2.78
 1XDZ,GLU_46,4.77,0.14,0,0.13
 3EVP,GLU_61,5.24,2.17,-0.99,-0.43
 1ZKZ,TYR_35,10.26,0,-0.02,0.28
 2XJ4,ARG_50,12.07,-0.6,0,0.16
 4GA2,CYS_105,10.62,0,0.01,1.61
 4H4J,ASP_38,3.82,0,-0.24,0.26
 3TMO,ASP_209,3.59,0,-0.56,0.35
 1I60,TYR_252,11.92,-0.73,0.14,2.52
 2ZCO,LYS_283,11.33,-0.47,0.85,0.46
 3EJG,LYS_129,10.54,-0.15,0,0.19
 3L7N,ASP_151,3.87,-0.01,-0.04,0.12
 3EOH,LYS_118,10.67,-0.26,0,0.44
 2Z14,TYR_84,10.96,-0.84,0.01,1.78
 1WYC,GLU_139,4.74,0.22,0,0.02
 2QHT,GLU_74,4.43,0.16,0,-0.22
 3I0C,ASP_259,3.33,-0.77,-0.17,0.47
 3Q6L,LYS_53,10.8,-0.2,0,0.5
 2WZ9,ASP_101,2.73,-1.33,-0.52,0.78
 2RIK,LYS_99,10.4,-0.5,0,0.4
 2O8I,HIS_41,6.04,-1.35,0.79,0.1
 1GPP,ASP_12,2.43,-1.71,0,0.34
 3U0V,ASP_95,3.47,-0.68,-0.7,1.05
 1W7B,LYS_169,10.48,-0.2,0,0.18
 1NJ4,LYS_294,9.96,-0.32,0,-0.22
 2FBK,GLU_79,3.99,0.34,-0.86,0
 3QKY,TYR_56,9.43,-0.37,-0.72,0.52
 3AU3,ARG_554,12.27,-0.23,0,0
 3M16,LYS_194,10.68,-0.3,0,0.48
 3LH5,TYR_722,10.19,-1.98,-0.16,2.33
 1AKO,ARG_77,12.07,-0.57,0,0.13
 3EIZ,ASP_98,4,-1.08,0.02,1.25
 3FRF,ARG_109,11.2,-1.28,0,-0.03
 3LQE,ARG_437,12.32,-0.27,0,0.09
 2XHC,GLU_142,4.75,0.15,0,0.1
 1PDB,GLU_104,4.77,0.28,0,-0.02
 1UAJ,HIS_72,6.25,-0.61,0,0.35
 3G53,LYS_84,10.52,-0.66,0.31,0.37
 2CXC,GLU_111,4.53,0.05,0,-0.02
 3UC9,ASP_28,4.23,0,-0.05,0.48
 1R29,ARG_24,12.22,-0.25,0,-0.03
 1HUF,ARG_10,13.32,-0.24,0.73,0.32
 3QAV,TYR_32,11.32,-0.79,0.46,1.65
 2FBQ,ARG_59,13.76,-1.94,1.57,1.62
 3C2E,TYR_46,9.38,-0.64,-0.4,0.42
 3H9W,HIS_98,7.3,-0.44,0.85,0.39
 1YM5,GLU_131,4.49,0.35,0,-0.36
 3HKX,ASP_82,3.92,0,-0.13,0.25
 2P0Y,LYS_266,10.43,-0.14,0.07
 3UAH,TYR_424,10.1,0,-0.15,0.25
 3U2R,ARG_99,12.44,-0.06,0,0
 3IV4,LYS_73,10.23,-0.2,0,-0.07
 2GKG,GLU_101,4.11,0.84,-0.82,-0.41
 2R05,ARG_86,12.4,-0.36,0,0.26
 2E0T,ARG_84,12.29,-0.21,0,0
 1R2Z,ASP_89,3.83,0,-0.2,0.23
 3G9G,ASP_212,4.14,0,0,0.34
 1PSW,ARG_146,12.66,-0.24,0.02,0.38
 2WOZ,CYS_593,11.78,-0.52,0.03,3.27
 2GZR,ARG_206,12.24,-0.39,0.0.13
 1P4X,LYS_266,10.43,-0.17,0,0
 2EJX,LYS_51,10.33,-0.16,0,-0.01
 1V43,CYS_49,10.04,-0.97,-0.71,2.71
 2AZL,LYS_127,10.28,-0.17,0,-0.06
 1F09,GLU_249,4.14,0.24,-0.27,-0.33
 3DTE,ARG_77,11.23,-1.57,0.31
 3J5N,ASP_226,4.21,0,0.13,0.28
 2D25,ASP_630,4.29,0,0,0.49
 3L3P,GLU_314,4.53,0.38,0,-0.34
 3EVZ,HIS_193,6.04,-0.96,0.65,-0.16
 3ZTA,LYS_60,11.02,-0.21,0.24,0.49
 2ZDM,ASP_209,12.58,-0.12,0,0.2
 2EDM,ASP_47,3.44,-0.78,0,0.42
 2P52,ARG_210,11.08,-1.44,0,0.02
 2IQT,ASP_89,3.52,-0.85,-0.43,1
 1YTD,TYR_214,10.72,0.0.13,0.59
 1SJY,ARG_6,13.47,-0.33,1.3,0
 1J74,LYS_129,10.42,-0.08,0,0
 1OIS,LYS_144,10.19,-0.49,0.19
 3FXH,ARG_108,12.42,-0.09,0,0.01
 2E3C,ARG_226,13.57,-0.3,0.75,0.62
 3A2Z,GLU_92,4.76,0.32,-0.05,0
 3BB7,LYS_108,10.21,-0.35,0,0.07
 3DTE,ARG_32,11.5,-1.21,0,0.21
 1PDB,GLU_172,4.38,1.3,-0.95,-0.47
 1O17,LYS_112,10.58,-0.14,0,0.21
 2Q5X,GLU_803,5.12,0.77,0,-0.17
 1ZHV,GLU_76,4.5,0,0,0
 1SJY,ASP_60,4.14,0.05,0.29
 1XDZ,GLU_196,3.87,0.8,-0.97,-0.46
 1W7B,ARG_309,13.29,-0.27,0.65,0.41
 1XTD,LYS_58,10.44,-0.06,0,0
 2Q34,GLU_47,2.9,0.36,-1.47,-0.49
 2E0T,HIS_151,3.95,-2.66,0.06,0.05
 3BA1,GLU_19,2.92,0.51,-1.44,-0.64
 2DFL,TYR_33,10.68,0.04,0.64
 1T95,GLU_168,3.25,0.75,-1.37,-0.63
 3Q1C,TYR_292,10.19,-1.43,0.17,1.46
 1ZP2,CYS_100,10.16,-0.07,-0.15,1.38
 2CWY,GLU_66,4.22,0.78,-0.73,-0.33
 2B0A,TYR_96,9.55,0,-0.72,0.28
 2H01,GLU_114,3.66,0.39,-0.79,-0.44
 1V6T,TYR_235,11.75,0.85,0.51,0.38
 1NWA,GLU_127,3.77,1.3,-1.49,-0.54

3BWT, TYR_760, 10.38, 0.06, 0.33
 2B78, LYS_13, 10.94, -0.95, 0.85, 0.54
 2YWJ, LYS_56, 10.5, -0.14, 0.0, 0.14
 1GXN, LYS_490, 9.99, -0.5, 0, -0.02
 1SUU, LYS_669, 10.25, -0.46, 0, 0.21
 2WB8, GLU_604, 3.96, 1.72, -1.65, -0.61
 3J5N, GLU_65, 3.7, 0.17, -0.72, -0.25
 1RAJ, HIS_398, 5.53, -0.65, 0, -0.33
 3HVM, TYR_189, 13.33, -1.58, 0.55, 4.37
 3LE4, HIS_321, 6.13, -0.44, 0, 0.07
 3ADO, GLU_278, 4.67, 0.17, 0, 0
 3H8Y, LYS_29, 11.32, -0.2, 0.5, 0.51
 1XEU, ARG_204, 11.98, -0.52, 0, 0
 2G9D, CYS_328, 8.66, -0.75, -0.58, 0.99
 2B3M, TYR_136, 10.58, 0, 0.08, 0.5
 1PVT, HIS_192, 5.28, -1.16, 0, -0.05
 1DCF, CYS_43, 11.64, 0, -0.04, 2.67
 1UOH, GLU_57, 5.02, 0.3, 0, 0.23
 1E59, ARG_29, 12.26, -0.44, 0, 0.2
 2CBE, GLU_69, 3.8, 1.24, -1.5, -0.44
 3FFM, ASP_97, 2.68, -1.55, -0.1, 0.52
 1AKO, GLU_139, 4.65, 0.21, 0, -0.06
 2H30, HIS_102, 6.31, -0.14, 0, -0.05
 2X5Y, ASP_823, 3.23, -0.8, -0.5, 0.73
 3M7G, GLU_21, 4.88, 0.4, 0, -0.02
 3K8U, HIS_28, 5.63, -0.69, 0, -0.18
 1RKA, LYS_289, 10.38, -0.18, 0, 0.07
 3C38, GLU_257, 4.52, 1.11, -0.77, -0.32
 2FZ4, LYS_46, 10.46, -0.1, 0, 0.06
 1WNH, GLU_86, 4.28, 0.28, -0.16, -0.34
 1UCH, ASP_218, 3.84, 0, -0.07, 0.11
 3FFM, GLU_69, 4.67, 0.16, 0, 0.01
 2AH5, ARG_44, 12.34, -0.29, 0, 0.14
 2F8H, ASP_85, 3.17, -0.79, -0.23, 0.39
 2OYZ, GLU_92, 4.8, 0.38, 0, 0
 2VAN, GLU_186, 4.54, 0.17, 0, -0.15
 3IBT, GLU_169, 5.46, 1.6, 0, -0.64
 3HKX, ARG_180, 12.22, -0.28, 0, 0
 1YLN, GLU_221, 4.58, 0.17, 0, -0.09
 3M16, GLU_10, 3.81, 0.33, -0.36, -0.66
 2FM9, ASP_130, 2.77, -2.4, -0.27, 1.64
 1DZF, LYS_197, 10.05, -0.46, 0, 0.01
 4EKU, LYS_229, 10.01, -0.26, 0, -0.23
 1AT0, ASP_282, 3.62, -0.79, -0.18, 0.79
 3IRA, GLU_150, 4.62, 0.22, 0, -0.1
 1WLY, LYS_142, 10.35, -0.22, 0, 0.08
 2CXA, ARG_204, 11.44, -1.18, 0, 0.12
 4FD6, ARG_143, 12.23, -0.51, 0, 0.24
 2CXY, GLU_9, 4.5, 0.32, 0, -0.32
 3P51, GLU_69, 4.47, 0.21, 0, -0.23
 1TD6, GLU_113, 4.45, 0.25, 0, -0.3
 3H13, LYS_460, 10.71, -0.19, 0, 0.4
 2X5Y, GLU_895, 4.64, 0.13, 0, 0.02
 2X5Y, HIS_735, 5.89, -0.32, 0, -0.3
 2ZCO, CYS_130, 12.68, -0.03, 0.38, 3.32
 2RJD, ARG_461, 12.74, -0.24, 0, 0.48
 2G3A, ARG_18, 12.54, -0.14, 0, 0.18
 2D59, ARG_135, 13.8, -0.29, 0.77, 0.83
 3DB9, ARG_20, 12.41, -1.66, 1.02, 0.55
 3BJV, TYR_58, 12.44, -0.85, 0.44, 2.85
 3IOC, GLU_107, 4.66, 0.16, -0.02, 0.01
 1WXF, LYS_41, 10.35, -0.15, 0, 0
 1PZC, TYR_74, 11.87, -0.01, 0, 1.87
 3FRR, CYS_136, 10.51, -1.15, 0.03, 2.63
 2GEN, TYR_43, 10.35, 0, 0.04, 0.32
 1RLO, ASP_21, 3.93, 0, -0.77, 0.91
 1AT0, ARG_272, 12.38, -0.12, 0, 0
 2NMU, GLU_70, 4.35, 0.34, -0.23, -0.26
 2IRM, LYS_112, 10.69, -0.1, 0, 0.29
 2D59, GLU_17, 4.71, 0.58, -0.03, -0.34
 2RIS, GLU_27, 4.81, 0.21, 0, 0.1
 2GEN, ASP_122, 4.27, 0, -0.37, 0.84
 3CS1, GLU_45, 4.65, 0.21, 0, -0.05
 1TXJ, LYS_92, 10.19, -0.21, 0, -0.1
 3ZRI, ARG_112, 13.72, -1.79, 1.6, 1.41
 2DVK, GLU_161, 4.66, 0.14, 0, 0.02
 2GKG, TYR_102, 11.51, -0.78, 0.32, 1.97
 1TLV, TYR_64, 10.44, 0, 0.24, 0.2
 4ECC, LYS_153, 10.15, -0.24, 0, -0.11
 1CBY, LYS_94, 10.06, -0.56, 0, 0.11
 3RNV, GLU_438, 3.49, 0.59, -0.85, -0.76
 3NOK, ARG_117, 5.0, 0.3, 0, 0.19
 1MIX, TYR_377, 9.96, -0.11, -0.16, 0.24
 1MUF, ARG_249, 10.81, -1.75, 0, 0.06
 3C2E, HIS_250, 6.42, -0.08, 0, 0
 1YDL, LYS_71, 10.07, -0.43, 0, 0
 3V46, ASP_237, 4.27, 0, -0.29, 0.76
 3FHF, ARG_64, 3.06, -0.83, -0.27, 0.36
 3UOV, HIS_204, 5.46, -0.89, 0, -0.15
 1FO9, LYS_256, 11.31, -0.47, 0.79, 0.48
 2FM9, LYS_89, 9.97, -0.53, 0, 0
 1SNT, ARG_283, 13.24, -0.35, 0.69, 0.4
 2AXO, ASP_72, 3.38, -1.16, -0.41, 1.15
 2IIA, ARG_68, 12.37, -0.16, 0, 0.03
 2EFK, ASP_220, 3.55, -0.7, -0.88, 1.34
 3HYQ, HIS_101, 6.32, -0.17, 0, 0
 2IF4, GLU_163, 3.32, 0.76, -1.02, -0.92
 1Q2Y, GLU_26, 4.54, 1.37, -0.83, -0.49
 2AXO, ASP_136, 4.21, 0.10, 0.12, 0.29
 3GFP, TYR_420, 11.78, -0.59, -0.09, 2.46
 3RKY, CYS_252, 11.24, -0.08, -0.07, 2.39
 2RGY, GLU_158, 3.9, 0.2, -0.63, -0.18
 2EEY, HIS_6, 6.04, -0.35, 0, -0.12
 2B78, TYR_183, 13.98, -0.02, 0.06, 3.95
 3IPZ, LYS_130, 10.05, -0.25, 0, -0.21
 3RZJ, LYS_177, 10.24, -0.32, 0.06, 0.06
 3ONT, TYR_57, 9.45, -0.34, -0.44, 0.23
 3T5B, GLU_243, 3.96, 1.05, -0.85, -0.74
 1TD6, ASP_272, 3.8, 0, -0.17, 0.17
 2CL3, LYS_169, 9.75, -0.73, 0, -0.02
 1OXZ, GLU_302, 5.12, 0.45, 0, 0.17
 3ADO, CYS_94, 12.66, -0.85, 0.5, 4.01
 1SQW, GLU_22, 4.59, 0.1, 0, -0.01
 3BQW, ARG_343, 13.91, -0.21, 1.16, 0.46
 1R16, ASP_139, 2.63, -1.79, -0.11, 0.75
 3F6F, GLU_143, 3.81, 0.21, -0.82, -0.08
 3GMS, TYR_330, 13.03, 0.85, 0.57, 1.61
 3L7N, ARG_35, 12.62, -0.13, 0, 0.25
 3KT2, ARG_41, 12.39, -0.11, 0, 0
 2QDJ, LYS_143, 11.42, -0.42, 0.85, 0.49
 2WZ9, ARG_99, 13.39, -0.78, 1.11, 0.56
 4H4J, ASP_195, 4.03, -0.82, -0.06, 1.12
 1BKB, TYR_132, 10.53, -0.16, -0.02, 0.7
 3FHF, LYS_77, 10.36, -0.34, 0, 0.19
 1OIS, CYS_232, 11.95, 0, 0.09, 2.85
 3LJC, TYR_228, 10.54, 0, 0.38, 0.16
 3PM2, LYS_94, 10.54, -0.19, 0, 0.23
 3P51, GLU_15, 3.89, 0.31, -0.71, -0.21
 2DFL, TYR_247, 10.2, 0, -0.05, 0.24
 3OOP, ARG_122, 12.52, -0.11, 0.13, 0
 3EUR, ARG_83, 12.54, -0.34, 0, 0.38
 1AKO, GLU_166, 4.56, 0.08, 0, -0.01
 2FBQ, TYR_129, 10.19, -0.85, 0.01, 1.03
 4EVF, GLU_105, 4.09, 0.44, -0.82, -0.05
 2G3A, GLU_134, 4.46, 0.42, -0.14, -0.32
 3AUS, LYS_581, 10.76, -0.2, 0.03, 0.44
 3EIZ, ASP_112, 3.08, -0.43, -0.73, 0.44
 3EZ7, ARG_54, 12.47, -0.13, 0, 0.1
 3KT9, ARG_16, 12.29, -0.48, 0, 0.27
 2F9F, LYS_37, 10.42, -0.21, 0, 0.13
 1VJG, GLU_166, 3.98, 0.75, -0.85, -0.42
 1EW4, CYS_32, 11.04, 0, 0.45, 1.6
 4DBX, ARG_163, 12.39, -0.11, 0, 0
 3F5D, TYR_184, 9.97, 0, -0.28, 0.25
 4EZB, ASP_270, 3.65, 0, -0.31, 0.16
 3LH5, LYS_660, 11.13, -0.45, 0.85, 0.23
 3OOP, LYS_60, 10.1, -0.54, 0, 0.14
 1RLO, LYS_92, 10.32, -0.5, 0, 0.32
 2Z61, GLU_174, 5.02, 0.18, 0, 0.34
 2G9D, LYS_256, 10.54, -0.19, 0, 0.23
 3RHE, ASP_110, 2.57, -1.58, -0.37, 0.73
 2RFA, LYS_263, 10.05, -0.18, 0, -0.27
 2OJQ, LYS_654, 10.69, -0.56, 0.08, 0.67
 1Q46, GLU_167, 4.18, 0.47, -0.48, -0.31
 1W24, CYS_36, 12.61, -0.82, 0.93, 3.5
 3KV0, TYR_164, 10.21, 0, 0.15, 0.06
 2Z84, GLU_103, 3.57, 1.78, -2.22, -0.5
 2CBE, ASP_52, 3.53, -0.41, -0.14, 0.28
 3ZRI, ARG_123, 13.67, -0.35, 0.61, 0.91
 1XKR, LYS_196, 10.65, -0.32, 0, 0.47
 2BV9, LYS_80, 10.17, -0.33, 0, 0
 1MEU, ARG_152, 12.49, -0.18, 0, 0.17
 3CE7, GLU_62, 5.37, 0.39, 0, 0.47
 3E0H, ARG_23, 12.18, -0.54, 0, 0.22
 1OXZ, ASP_247, 3.95, 0, -0.09, 0.24
 2X4G, ARG_116, 12.45, -0.05, 0, 0
 3IBT, ARG_87, 12.51, -0.07, 0, 0.08
 3MEW, GLU_221, 4.78, 0.31, 0, -0.03
 3V55, LYS_516, 11.49, -0.92, 0.85, 1.06
 2BQO, TYR_125, 11.29, -0.61, 0.53, 1.37
 1XTD, ASP_129, 1.93, -2, -0.4, 0.52
 3TRE, HIS_4, 6.95, -0.42, 0.85, 0.03
 1WP5, LYS_76, 10.45, -0.17, 0, 0.12
 3AU3, CYS_483, 11.63, -0.04, -0.36, 3.03
 2HXB, ASP_5, 2.81, -1.01, -0.35, 0.38
 3L7N, ASP_104, 3.85, -0.5, 0, 0.54
 2AHE, GLU_239, 3.68, 0.73, -1.68, 0.14
 2VAN, ASP_314, 4.16, 0.09, 0.27
 2BOA, HIS_136, 6.34, -2.15, 1.06, 0.94
 2ZOM, ARG_306, 11.01, -1.58, 0, 0.09
 3G59, ARG_169, 12.18, -0.65, 0, 0.33
 4DIU, GLU_242, 3.87, 0.65, -1.08, -0.2
 2YT4, LYS_562, 10.42, -0.09, 0, 0.01
 2PWQ, LYS_73, 10.18, -0.35, 0, 0.03
 3FWU, CYS_105, 9.54, 0, -0.02, 0.55
 1NIJ, GLU_72, 4.61, 0.15, 0, -0.05
 3LJL, ARG_140, 12.1, -0.41, 0, 0.01
 2G2D, LYS_115, 10.37, -0.13, 0, 0
 3PAC, LYS_117, 11.09, -0.73, 0.85, 0.47
 2A6B, HIS_116, 5.81, -0.74, 0, 0.04
 2CXC, GLU_34, 4.1, 0.3, -0.45, -0.25
 3GT0, LYS_111, 10.14, -0.43, 0, 0.07
 3VHJ, ASP_134, 2.2, -1.63, -0.39, 0.42
 3VJ8, GLU_116, 5.47, 0.73, 0, 0.24
 3G65, TYR_83, 11.69, 0, 0.42, 1.27
 1R15, ARG_239, 12.52, -0.13, 0, 0.15
 1S17, LYS_212, 11.35, -0.37, 0.82, 0.4
 3US6, HIS_77, 5.82, -0.55, 0, -0.14
 1PBV, LYS_70, 10.28, -0.12, 0, -0.09
 4FH3, TYR_348, 10.08, 0, -0.01, 0.08
 1OST, ASP_454, 3.76, 0, -0.24, 0.2
 1BKR, TYR_61, 10.21, 0, 0.01, 0.21
 2BOJ, ASP_126, 3.97, 0, -0.23, 0.4
 2QDJ, GLU_237, 3.31, 0.46, -1.43, -0.21
 3C38, GLU_228, 2.66, 0.79, -2.38, -0.24
 3U2R, ASP_11, 3.38, -0.53, 0, 0.11
 1RLO, CYS_220, 10.29, -0.18, 0.02, 1.45
 3M9A, TYR_69, 10.91, 0, -0.04, 0.95
 3ETV, GLU_295, 5.77, 1.3, 0, -0.02
 1GPP, TYR_420, 10.29, 0, -0.04, 0.33
 2G3A, ARG_35, 12.12, -0.25, 0, -0.13
 1O59, TYR_181, 13.84, 0.15, 3.23
 2E3C, TYR_384, 10.07, 0, 0, 0.07
 3PAC, CYS_110, 9.88, 0, -0.3, 1.17
 1Q2Y, GLU_41, 4.63, 0.23, 0, -0.11
 2YT4, LYS_501, 10.47, -0.14, 0, 0.12
 2OHT, GLU_6, 3.63, 1.13, -1.58, -0.42
 1MJS, TYR_297, 10.62, 0, 0, 0.62
 1SNT, HIS_297, 5.07, -3.49, 1.89, 0.18
 2GEN, HIS_45, 5.53, -0.38, 0, -0.59
 4F85, CYS_162, 9.98, -0.06, 0.09, 0.96
 3AU3, ASP_434, 3.77, -0.15, 0, 0.13
 3TMO, GLU_290, 3.67, 0.75, -1.58, 0
 2AD1, LYS_219, 10.51, -0.05, 0, 0.06
 1U3Y, LYS_334, 10.39, -0.23, 0, 0.13
 2F9F, LYS_42, 11.65, -0.24, 0.81, 0.56
 3H04, ARG_253, 12.39, -0.08, 0, -0.03
 1AT0, TYR_401, 10.5, 0.33, 0.17
 4EKU, GLU_340, 4.98, 1.23, -0.77, 0.01
 1W7B, ARG_179, 10.53, -2.13, 0, 0.16
 1K95, ARG_95, 12.45, -0.43, 0, 0.38
 3VHJ, HIS_126, 6.26, -0.33, 0, 0.09
 3CBN, ASP_121, 3.68, -0.18, -0.13, 0.19
 2B2H, HIS_134, 6.5, -1.8, 1.5, 0.29
 3CIV, ARG_108, 12.23, -0.28, 0, 0.01
 2FZ4, TYR_209, 11.01, 0.35, 0.65
 3CAX, HIS_123, 4.04, -2.17, 0, -0.29
 3CGW, GLU_273, 4.9, 0.32, 0, 0.08
 3HVM, LYS_246, 10.34, -0.19, 0, 0.02
 4ACJ, LYS_735, 9.66, -0.84, 0, 0
 4EZB, ARG_34, 13.36, -0.61, 0.94, 0.52
 3PAC, GLU_183, 4.35, 0.32, -0.22, -0.24
 1KN3, TYR_81, 10.16, 0, 0.06
 2NYC, TYR_239, 10.2, 0.02, 0.18
 2BLL, GLU_561, 4.06, 1.32, -1.31, -0.45
 3UC9, LYS_41, 10.44, -0.12, 0, 0.06
 1SJ8, ARG_741, 13.4, -0.35, 0.84, 0.42
 3LD1, CYS_357, 11.54, 0.14, 2.4
 2R57, LYS_289, 10.43, -0.07, 0, 0
 1X91, GLU_87, 4.83, 0.19, 0, 0.13
 1Q2Y, LYS_62, 10.44, -0.2, 0.0, 0.13
 3OKQ, GLU_604, 4.62, 0.17, 0, -0.06
 3GV0, ARG_155, 12.71, -1.6, 0.7, 1.12
 3MTT, ARG_571, 12.52, -0.27, 0, 0.28
 2EHG, GLU_123, 3.11, 0.63, -1.29, -0.17
 3AU3, HIS_462, 6.81, -0.68, 0.85, 0.14
 2R57, LYS_340, 10.45, -0.09, 0, 0.04
 3RLE, TYR_17, 11.17, -0.09, 0.3, 0.96
 1A8Q, LYS_210, 10.47, -0.13, 0, 0.1
 1T3J, GLU_727, 4.85, 0.23, 0, 0.12
 3B7X, TYR_116, 11.54, 0.54, 0.45, 0.55
 1FHL, TYR_77, 13.86, -0.84, 0.52, 4.18
 1S1G, ARG_423, 12.83, -0.17, 0.04, 0.45
 2XJ4, ARG_176, 12.87, -0.76, 0.59, 0.53
 1RKA, ARG_307, 12.27, -0.29, 0, 0.06
 2IF4, HIS_90, 6.48, -0.16, 0, 0.14
 2APL, ARG_13, 13.09, -0.44, 0.7, 0.32
 1BGF, CYS_108, 11.44, -0.85, 0.34, 2.95
 2OPJ, ARG_86, 11.28, -0.19, 0, 0.17
 1J33, ARG_316, 11.62, -1.29, 0, 0.41
 3UAH, TYR_379, 13.69, 0.41, -0.17, 3.46
 2G3A, ASP_45, 3.2, -0.84, 0, 0.24
 2A6B, GLU_179, 4.5, 0, 0, 0
 3DB9, ASP_261, 3.39, -1.02, -0.81, 1.41
 2R57, LYS_315, 10.46, -0.19, 0, 0.15
 2WZ9, LYS_126, 10.46, -0.04, 0, 0

1UW7,GLU_68,3.53,0.45,-0.85,-0.57
 2FD4,ARG_536,13.18,-0.17,0.44,0.41
 2FZ4,ARG_31,12.55,-0.1,0,0.16
 2D7U,LYS_290,10.45,-0.07,0,0.02
 2OKT,ASP_38,2.52,-2.2,-0.25,1.17
 1XFK,HIS_117,5.99,-0.62,0.16,-0.05
 3C6B,GLU_67,4.98,0.39,0,0.09
 3A7L,GLU_6,4.6,0.11,0,-0.01
 2HXB,TYR_81,8.86,-0.85,-0.63,0.34
 3H5T,LYS_327,10.17,-0.39,0,0.05
 2HRZ,GLU_316,3.87,2.44,-2.96,-0.11
 3D9H,GLU_213,3.66,0.2,-0.73,-0.31
 3ASA,ASP_258,2.23,-1.7,-0.38,0.51
 2Z61,TYR_322,10.66,0.0,0.16,0.5
 1R16,GLU_114,4.45,0.27,0,-0.32
 2H85,ARG_135,12.26,-0.35,0,0.11
 2IF4,LYS_101,10.53,-0.57,0.13,0.47
 2OPJ,ARG_28,12.24,-0.28,0,0.02
 1XTZ,ASP_239,4.07,0,-0.41,0.68
 1WJG,ASP_44,4.0,0,0.2
 3GW3,ASP_346,3.21,-0.74,-0.33,0.49
 2XJ4,GLU_152,2.99,0.36,-1.5,-0.36
 1P4X,ARG_84,12.36,-0.14,0,0
 3CRM,ASP_69,2.1,-2.05,-0.36,0.71
 2H01,LYS_170,10.47,-0.03,0,0
 1JKS,TYR_240,10.55,0.32,0.23
 1NJ4,GLU_354,4.73,0.14,0,0.09
 3UX2,GLU_58,3.95,0.31,-0.93,0.07
 1P4X,GLU_48,4.52,0.18,-0.09,-0.06
 3TRE,ARG_44,12.18,-0.3,0,-0.03
 3EVN,GLU_313,4.63,1.14,-1.06,0.05
 3F1X,CYS_92,10.44,0.21,0.33,0.88
 3RLE,GLU_64,3.45,0.65,-1.7,0
 1BGF,HIS_81,5.89,-0.26,0,-0.35
 4EF5,ARG_178,11.9,-0.93,0,0.32
 2Z61,ARG_66,12.26,-0.72,0,1.088
 2IXM,ARG_200,12.21,-0.29,0,0
 2OPJ,GLU_82,4.71,0.15,0,0.06
 2Z61,LYS_291,11.05,-0.33,0.52,0.35
 1WYC,GLU_168,6.53,2.19,0,-0.16
 1WLY,LYS_229,11.49,-0.43,0.59,0.83
 3A2Z,ASP_29,2.35,-1.65,-0.2,0.4
 2X4L,ASP_201,4.21,0,0,0.41
 1H4U,HIS_429,6.12,-0.5,0.04,0.09
 3FTT,GLU_24,4.22,0.71,-0.65,-0.35
 3AU3,ARG_405,12.21,-0.29,0,0
 1ILW,GLU_168,4.43,0.29,0,-0.06
 3GE9,GLU_151,4.49,0.32,0,-0.33
 1JYH,ASP_145,2.63,-1.44,-0.38,0.64
 1OTM,ASP_79,3.47,-0.37,-0.3,0.34
 1DZFLYS_166,10.44,-0.06,0,0
 3CIV,GLU_282,7.82,3.13,-0.02,0.21
 3F5D,ASP_31,1.66,-1.91,-0.86,0.64
 3VJ8,GLU_165,4.51,0.89,-0.81,-0.08
 1MTZ,LYS_221,11.36,-0.27,0.74,0.38
 2H85,LYS_307,9.71,-0.79,0,0.01
 3CSR,ARG_111,12.21,-0.29,0,0
 3ULX,ASP_131,3.78,0,-0.35,0.33
 1O59,HIS_324,4.9,-1.5,0.47,-0.57
 1WXF,TYR_37,10.17,0,0,0.17
 3U56,ARG_55,12.96,-0.31,0.12,0.48
 2F4Q,ARG_214,12.12,-0.39,0,0.01
 3M7G,LYS_134,9.98,-0.15,0,-0.37
 1O0X,GLU_179,3.73,0.35,-0.81,-0.32
 2OSA,ASP_322,3.54,-0.06,-0.71,0.5
 3QKY,GLU_178,3.36,1.79,-1.82,-1.12
 1V43,ARG_56,12.96,-0.36,0.43,0.39
 2YYO,GLU_156,4.47,0.38,-0.53,0.12
 2ZQ5,HIS_212,3.28,-3.22,0,0
 2AD1,ASP_24,4.05,0,-0.05,0.3
 1GPP,ARG_417,13.42,-0.31,0.69,0.54
 2H2W,LYS_169,10.32,-0.24,0,0.07
 3FWU,ASP_29,2.85,-1,-0.38,0.42
 1O9G,ASP_86,4.14,0.0,0.03,0.3
 2CWY,GLU_6,4.47,0.2,-0.06,-0.18
 3N2T,ARG_120,12.22,-0.31,0,0.03
 3J5N,HIS_40,6.41,-0.31,0,0.22
 3CAX,TYR_284,13.87,0.06,0.91,2.91
 3TMO,LYS_216,11.52,-0.27,0.84,0.44
 2EYI,HIS_44,3.41,-2.32,0.21,-0.98
 3ILC,ARG_139,12.28,-0.38,0,0.16
 1V6T,ASP_134,2.67,-1.45,-0.4,0.73
 1J79,CYS_239,12.19,-0.46,0.23,3.43
 1ZP2,ASP_192,3.38,-0.71,-0.09,0.38
 2G5X,TYR_92,10.3,0,-0.06,0.36
 3H04,ASP_204,3.92,0,-0.04,0.16
 2IN0,LYS_74,10.47,-0.21,0,0.18
 1S17,ARG_210,13.53,-2.53,1.65,1.92
 1WP5,GLU_93,4.25,1.33,-0.69,-0.89
 3K8J,ARG_173,12.79,-1.08,0.71,0.65
 3QYB,LYS_896,10.41,-0.09,0,0
 1ATO,GLU_350,4.66,0.16,0,0
 1OGL,LYS_207,10.49,-0.1,0,0.09
 1YG2,LYS_34,10.4,-0.1,0,0
 3GG6,HIS_175,6.16,-0.25,0,-0.1
 2G9D,TYR_164,10.21,-0.6,-0.1,0.91
 1JKS,LYS_69,10.13,-0.38,0,0
 3ERF,LYS_149,10.4,-0.12,0,0.02
 1T95,ARG_17,13.34,-0.31,0.43,0.72
 2BLI,LYS_382,11.15,-0.31,0.27,0.68
 3PBH,LYS_158,10.44,-0.16,0,0.11
 3IOC,ARG_81,13.61,-1.07,1.51,0.68
 3IOC,LYS_75,10.23,-0.27,0,0
 2J8A,ASP_309,3.87,-0.1,-0.12,0.29
 1YR6,TYR_142,12.39,-0.02,0.13,2.28
 2J8A,LYS_339,10.21,-0.33,0,0.04
 3KV0,ASP_174,3.87,0,-0.04,0.11
 2GYZ,ARG_40,12.04,-0.54,0,0.08
 1H09,ASP_157,2.5,-2.03,-0.07,0.79
 1IAP,ASP_156,2.42,-1.35,-0.69,0.65
 2CE6,ARG_25,12.59,-0.48,0.12,0.44
 2CXA,ASP_138,3.54,-0.37,-0.06,0.17
 3BQE,ARG_199,13.54,-0.73,0.69,1.09
 2ZCO,LYS_64,10.36,-0.46,0,0.33
 1WPA,LYS_444,10.38,-0.15,0,0.03
 1MTZ,TYR_81,11.92,0.0,0.53,1.38
 1WYC,ASP_172,3.33,-0.82,-0.05,0.39
 2D8N,ARG_43,12.76,-0.33,0.0,0.59
 3G9T,HIS_112,6.11,-0.4,0,0.02
 3LMF,GLU_42,3.47,0.5,-1.37,-0.17
 3F53,HIS_182,5.83,-0.45,0,-0.22
 2QVO,ASP_89,3.23,-0.51,-0.38,0.32
 1N81,LYS_62,11.22,-0.15,0.5,0.37
 4DBX,TYR_88,10.34,-0.4,0.03,0.71
 3BJV,CYS_135,10.52,0.0,0.14,1.39
 2H2Z,LYS_269,9.97,-0.77,0,0.24
 3KT9,GLU_102,4.55,0.07,0,-0.01
 2OPJ,ARG_211,12.68,-0.55,0.37,0.36
 1ZYI,TYR_328,10.11,0.0,0.06,0.05
 2X4J,ASP_127,3.57,-0.24,-0.32,0.33
 1UJ8,ASP_56,4.12,0.0,0.14,0.19
 3M6G,GLU_154,4.63,0.12,0,0
 3O16,LYS_47,10.42,-0.29,0,0.22
 1LFP,ARG_37,12.62,-0.57,0.02,0.67
 1SQW,LYS_72,10.07,-0.25,0,-0.17
 3FHF,GLU_117,4.36,0.34,-0.06,-0.41
 3LJN,LYS_262,10.88,-0.3,0.29,0.38
 2ZCO,TYR_200,11.71,0.85,0.38,0.48
 1D2K,LYS_204,11.1,-0.84,0.85,0.58
 1UCH,LYS_121,10.54,-0.18,0,0.21
 1D2K,ARG_349,12.67,-0.31,0.03,0.45
 1LZL,ARG_313,12.24,-0.25,0,-0.01
 3LJN,LYS_167,11.52,-0.4,0.76,0.66
 2VGM,LYS_7,10.46,-0.04,0,0
 4EVF,ARG_289,12.67,-0.53,0,0.7
 2FXT,ASP_405,3.8,-0.55,-0.08,0.64
 3EVZ,LYS_75,10.47,-0.28,0,0.25
 3T5B,ASP_147,4,-0.23,0.17,0.26
 2FM9,CYS_197,9.26,0.0,0.02,0.24
 2NRK,LYS_24,10.25,-0.37,0,0.13
 3IBT,GLU_260,3.87,0.28,-0.82,-0.09
 1O17,GLU_109,4.63,0.41,-0.22,-0.06
 2RIS,TYR_201,11.64,0.85,0.38,0.41
 2OB5,HIS_22,6.97,-0.4,0.5,0.36
 2O8I,LYS_38,10.6,-0.12,0,0.22
 2FD5,GLU_22,4.99,0.63,0,-0.14
 3AUF,TYR_89,12.88,-0.29,0.36,2.8
 1OLR,GLU_18,5.13,1.5,-0.85,-0.02
 2Q5X,ASP_772,2.07,-2.28,-0.26,0.81
 3F6F,ASP_2,4.18,-0.97,-0.41,1.76
 2P52,ARG_171,12.08,-0.68,0,0.27
 2GEN,ASP_8,3.37,-0.26,-0.48,0.31
 1SIG,CYS_132,9.88,-0.12,-0.25,1.24
 2RGY,ASP_157,3.14,-0.73,-0.4,0.47
 3EOH,TYR_39,13.79,0.0,0.15,3.64
 3E27,ARG_184,13.64,-0.36,0.85,0.65
 1XIP,GLU_329,4.71,0.16,0,0.06
 1SNT,TYR_27,11.65,0.0,0.07,1.57
 1O0X,GLU_78,4.93,1.17,-0.75,0.02
 2FC3,ARG_31,12.42,-0.23,0,0.15
 2APL,TYR_131,12.05,0.46,0.29,1.3
 1R2Z,GLU_157,4.78,0.23,0,0.05
 2FGG,ARG_25,12.55,-0.31,0.06,0.29
 1YTQ,LYS_67,10.49,-0.11,0,0.1
 1SFE,ASP_20,3.15,-0.59,-0.37,0.31
 1UOH,LYS_162,10.41,-0.11,0,0.02
 4D8L,HIS_116,5.42,-0.76,0,-0.33
 1X04,LYS_53,10.86,-0.15,0.52,0
 2V81,ASP_148,3.44,-0.36,-0.21,0.22
 2OPJ,CYS_159,11.3,0,0.49,1.8
 2X5Y,LYS_729,10.72,-0.16,0.06,0.32
 3CN5,ARG_187,12.73,-0.15,0,0.38
 3GMS,ARG_40,9.28,-3.33,0,0.11
 3HYQ,ARG_50,12.32,-0.28,0,0.1
 2Q98,GLU_35,4.74,0.31,0,-0.08
 2O8P,HIS_54,6.19,-0.4,0,0.09
 3O48,TYR_88,11.27,0.0,0.37,0.9
 1V6T,LYS_228,11.23,-0.38,0.56,0.56
 1KN3,LYS_157,13.23,-0.5,1.95,1.28
 2CIU,LYS_149,10.43,-0.07,0,0
 2Q98,ARG_89,12.52,-0.85,0.45,0.42
 1X04,GLU_35,3.78,0.39,-0.6,-0.52
 3P28,ARG_25,12.18,-0.4,0,0.08
 1GQE,HIS_253,6.23,-0.29,0,0.01
 1NJ4,TYR_222,10.48,0,-0.04,0.52
 3L3P,LYS_479,12.17,-0.71,0.99,1.38
 3LH5,LYS_787,10.52,-0.35,0,0.37
 3ETU,GLU_136,4.49,0.09,0,-0.1
 3TOW,TYR_176,11.83,0.59,0.04,1.19
 3FHF,ARG_148,12.19,-0.41,0,0.11
 1O59,LYS_318,10.5,0,0,0
 1WLY,GLU_310,4.6,0.29,0,-0.19
 3UAH,TYR_230,9.62,-0.72,-0.35,0.69
 1XKR,GLU_199,4.52,0.18,0,-0.16
 3UUV,LYS_475,10.23,-0.3,0,0.03
 1Z9L,ASP_62,3.82,0,-0.27,0.28
 3QAV,TYR_82,12.66,0.85,0.78,1.03
 2ATR,LYS_6,10.3,-0.31,0,0.11
 1DTO,GLU_2,4.41,0.1,0,-0.2
 3FNI,GLU_153,4.63,0.16,0,-0.02
 1JKS,TYR_234,11.91,0,-0.23,2.14
 1RWZ,LYS_53,10.57,-0.16,0,0.22
 3T57,CYS_127,10.3,-0.82,0.28,1.86
 2OB5,GLU_113,4.61,0.13,0,-0.02
 3BWT,HIS_885,6.17,-0.24,0,-0.08
 1TLV,GLU_251,4.44,0.33,0,-0.39
 2G9D,ARG_247,12.78,-0.3,0,0.59
 4F85,CYS_232,11.07,-0.22,0.01,2.27
 2B6P,LYS_238,10.42,-0.12,0,0.04
 4FZN,TYR_9,12.33,-0.67,0.34,2.66
 2R4Q,ASP_224,3.17,-0.67,-0.32,0.36
 3ZXY,ASP_100,2.34,-1.96,-0.33,0.83
 3CN5,LYS_138,9.97,-0.34,0,-0.19
 2CBE,ARG_89,13.09,-0.82,0.85,0.56
 1OLR,ASP_109,3.28,-0.76,-0.13,0.38
 4DVD,HIS_73,5.47,-1.56,0.61,-0.08
 1YTD,ARG_282,12.17,-0.62,0,0.29
 2GKG,ASP_108,3.24,-0.86,0,0.31
 4HDE,LYS_191,11.17,-0.31,0.65,0.33
 2B3M,TYR_40,11.13,0.05,1.09
 2JEO,ARG_168,11.85,-0.69,0,0.04
 1NJ4,ARG_287,12.49,-0.37,0,0.37
 3A55,LYS_481,10.48,-0.02,0,0
 4H86,LYS_8,10.44,-0.06,0,0
 3PBH,LYS_50,10.41,-0.09,0,0
 2C13,LYS_250,10.33,-0.17,0,0
 2FGG,HIS_85,6.32,-0.18,0,0
 4HDE,ARG_30,12.39,-0.09,0,-0.02
 2HRZ,GLU_78,3.86,0.31,-0.58,-0.37
 3ADO,HIS_90,4.06,-3.13,0.8,-0.11
 3IRA,GLU_29,4.41,0.37,-0.05,-0.4
 3OIP,HIS_45,5.75,-0.66,0,-0.08
 3EYE,LYS_81,10.27,-0.23,0,0
 3RLE,HIS_18,4.83,-2.17,0.8,-0.29
 2Q12,ARG_238,12.33,-0.17,0,0
 3HUE,LYS_171,11.08,-1.1,0.52,1.15
 3RLN,ARG_721,10.8,-1.72,0,0.01
 2RIK,GLU_211,4.55,0.26,0,-0.21
 3ILC,ASP_133,3.58,0,-0.41,0.18
 2H85,LYS_173,10.63,-0.13,0,0.26
 2X4L,GLU_303,3.5,0.42,-1.39,-0.04
 2V4U,GLU_510,6.62,4.15,-1.32,-0.69
 1NIJ,TYR_258,13.17,0.0,0.13,0.04
 2H85,ASP_132,3.91,-0.01,-0.12,0.25
 3MEW,TYR_183,9.6,-0.79,-0.38,0.77
 1Q46,ARG_6,12.14,-0.98,0,0.62
 1P4X,ASP_122,3.43,-1.07,-0.59,1.29
 2RIK,GLU_111,4.03,0.4,-0.62,-0.26
 4EKU,GLU_24,4.56,0.06,0,0
 1PBV,ARG_170,13.12,-0.75,0.34,1.03
 3E7P,GLU_112,4.65,0.13,0,0.01
 3JRT,ARG_124,4.62,0.17,0,-0.05
 2V5B,GLU_189,3.62,0.51,-1,-0.24
 3I47,GLU_156,4.41,0.12,0,-0.21
 1JSX,LYS_187,10.49,-0.16,0,0.15
 1O6D,LYS_20,10.38,-0.11,0,-0.01
 2POL,ARG_65,12.31,-0.37,0,0.18
 2D7J,LYS_123,11.77,-0.27,0.85,0.69
 3LH5,LYS_749,10.65,-0.82,0.85,0.12
 4FZR,HIS_325,6.18,-0.46,0.09,0.04
 1OIS,GLU_267,3.77,0.78,-0.7,-0.81
 3P28,GLU_42,4.07,0.44,-0.81,-0.06
 3LD1,HIS_355,5.43,-1.68,0.68,-0.08
 2D7U,GLU_236,4.8,0.73,0,-0.44
 2P0Y,ASP_220,3.95,0,0.15
 3CX2,TYR_213,10.42,0,-0.05,0.47

2CXA,LYS_167,10.18,-0.33,0,0.01
 1P6F,ASP_66,4.03,0,-0.04,0.27
 3ZSL,LYS_199,11.34,-0.39,0.85,0.38
 1KW4,ARG_51,12.38,-0.12,0,0
 1HF8,ARG_157,12.5,-0.34,0,0.34
 2B61,TYR_243,10.16,0,-0.01,0.17
 2QV2,TYR_279,12.71,0,0.28,2.43
 3IVF,TYR_378,13.52,0.73,-0.07,2.86
 1Z9L,CYS_121,10.51,-0.77,-0.07,2.36
 3OKQ,ASP_625,3.45,-0.67,-0.05,0.36
 2CWC,ARG_204,12.34,-0.22,0,0.07
 1KCM,GLU_138,4.34,0.39,-0.05,-0.51
 1YW5,ASP_135,1.77,-2.38,-0.76,1.11
 3NBI,ARG_133,13.87,-0.55,1.41,0.51
 1YM5,GLU_76,4.12,1.84,-1.36,-0.86
 2XHC,ARG_37,13.91,-0.36,1.35,0.42
 3TIR,ARG_170,13.88,-0.47,1.44,0.41
 3M7D,ASP_6,2.72,-1,-0.48,0.41
 1MIX,HIS_250,5.56,-0.98,0,0.05
 3E7P,GLU_204,4.28,0.41,-0.57,-0.06
 2H2Z,GLU_288,4.36,1.51,-1.15,-0.5
 3I47,LYS_24,10.56,-0.17,0,0.23
 3HUE,LYS_41,10.43,-0.04,0,-0.03
 1R53,LYS_270,11.31,-0.45,0.85,0.41
 1YW5,GLU_64,3.9,0.24,-0.81,-0.04
 1A8Q,GLU_243,4.27,0.75,-0.57,-0.43
 2A4D,GLU_97,4.03,0.44,-0.46,-0.46
 3RKV,ARG_282,11.08,-1.51,0,0.1
 4ECC,ARG_149,12.64,-0.94,0.71,0.37
 3P2F,HIS_159,6.78,-0.39,0,0.67
 1PDB,LYS_63,10.35,-0.15,0,0
 2OYZ,GLU_69,3.88,0.29,-0.9,0
 3U2A,ASP_35,2.85,-1.29,-0.14,0.48
 3AU3,HIS_598,4.72,-1.62,0.22,-0.38
 3P29,TYR_220,10.51,-0.32,-0.13,0.96
 3OA7,TYR_548,10.09,0,0,0.09
 2XMZ,HIS_51,2.64,-3.66,0.78,-0.97
 2WOZ,TYR_468,11.56,0,0.25,1.31
 2FPN,LYS_124,10.52,-0.1,0,0.12
 1X7F,LYS_109,10.36,-0.36,0,0.22
 2X5Y,GLU_763,4.28,0.22,-0.06,-0.38
 2F19,CYS_39,12.52,0,-0.06,3.57
 2D59,CYS_132,10.94,-1.44,0.75,2.63
 1XIP,ASP_146,4.23,0,0,0.43
 1YB2,ASP_235,3.25,-0.5,-0.42,0.38
 1Q46,LYS_79,10.54,-0.1,0,0.13
 2GZR,LYS_271,10.37,-0.13,0,0
 3OA7,TYR_517,10.03,0,-0.05,0.08
 2V1L,TYR_76,12.46,0.85,0.65,0.96
 1OTM,ASP_222,3.34,-0.68,-0.05,0.26
 1YTD,LYS_223,10.88,-0.37,0.3,0.44
 1WXQ,TYR_140,10.41,0,0.12,0.29
 1F2V,GLU_3,4.59,0.09,0,0
 3O7K,GLU_110,4.79,0.29,0,0
 2NYC,ARG_263,12.35,-0.17,0,0.02
 1UCH,ARG_134,11.32,-1.85,0.01,0.66
 2ZCX,ARG_67,11.4,-1.41,0,0.31
 3ETV,LYS_137,10.38,-0.18,0,0.06
 3ASA,GLU_53,4.61,0.11,0,0
 2B0J,TYR_228,9.98,0,-0.37,0.34
 2D8N,LYS_131,10.83,-0.23,0.21,0.35
 2Z14,TYR_105,11.13,0.46,0.67
 3CO1,LYS_122,10.98,-0.95,0.85,0.59
 3HZQ,LYS_29,10.6,-0.26,0,0.37
 3CRM,GLU_78,3.49,0.42,-1.21,-0.22
 1XAW,LYS_504,10.71,-0.13,0,0.35
 1OGL,GLU_110,4.73,0.23,0,0
 1Q2Y,CYS_72,11.91,0,-0.65,3.55
 3E0H,GLU_130,4.53,1.78,-1.38,-0.36
 3LJC,HIS_109,6.3,-0.42,0,0.21
 2FL7,TYR_90,12.75,-0.85,0.3,6
 3LPZ,ARG_318,12.39,-0.11,0,0
 2RGY,GLU_131,4.52,0.31,-0.04,-0.26
 1JYH,LYS_128,10.46,-0.77,0.21,0.52
 2AHE,GLU_97,4.68,0.19,0,-0.01
 3GA2,LYS_8,10.55,-0.09,0,0.14
 3KT9,LYS_39,10.53,-0.1,0,0.13
 3G9T,LYS_246,10.69,-0.36,0,0.56
 2Q34,GLU_104,4.02,0.37,-0.52,-0.33
 1PBV,LYS_102,10.32,-0.25,0,0.07
 4DND,GLU_58,3.71,0.64,-0.84,-0.59
 4GCO,LYS_155,10.67,-0.18,0.16,0.19
 2R51,GLU_13,4.37,0.3,-0.1,-0.33
 2R0S,TYR_133,10.24,0,-0.09,0.34
 3N2T,GLU_94,4.5,0.73,-0.78,0.06
 2AH5,GLU_82,3.2,0.62,-1.64,-0.29
 3ZRI,ASP_154,3.92,0,-0.04,0.15
 1ZHV,LYS_6,10.23,-0.27,0,0
 3ZXV,LYS_206,10.49,-0.19,0,0.19
 2B61,TYR_335,9.64,-0.63,-0.22,0.49
 2PGE,TYR_9,11.91,0.85,0.4,0.66
 4FLE,ARG_154,13.32,-0.13,0.38,0.56
 2FPN,GLU_33,4.18,0.31,-0.38,-0.25
 2CN1,GLU_93,4.66,0.12,0,0.04
 2R2Y,GLU_70,2.45,0.51,-1.99,-0.57
 3F6F,LYS_86,10.65,-0.11,0,0.27
 1H09,TYR_231,11.25,0.15,1,0.09
 2IQT,LYS_125,10.62,-0.11,0,0.23
 3C6B,LYS_148,10.17,-0.34,0,0.1
 3IVF,ASP_221,3.38,-0.57,-0.44,0.59
 2AD1,GLU_204,3.8,1.74,-1.6,-0.84
 3H13,HIS_302,5.15,-2.12,0.77,0.01
 1E5S,CYS_223,11.41,-0.83,-0.22,3.45
 3EVZ,ARG_237,12.9,-1.26,0.56,1.1
 1PNE,ASP_80,3.75,-0.15,-0.13,0.23
 1BGF,ARG_85,12.29,-0.21,0,0
 2QEV,GLU_28,3.68,0.47,-0.6,-0.68
 1TP6,HIS_11,5.88,-0.34,0,-0.29
 1LTU,TYR_36,13.05,-0.84,0.15,3.74
 2ILR,GLU_463,4.66,0.12,0,0.04
 1O5J,ARG_36,12.46,-0.15,0,0.11
 3P29,ARG_387,12.68,-0.8,0.37,0.62
 2GYZ,GLU_25,4.35,0.36,-0.54,0.03
 3MTT,TYR_460,10.28,0,-0.14,0.41
 2DFL,HIS_279,6.32,-0.21,0,0.03
 2XMZ,LYS_5,11.02,-0.63,0.11,1.03
 1MTZ,GLU_70,4.1,0.46,-0.78,-0.07
 3TIR,ARG_194,12.03,-0.51,0,0.04
 2V5B,GLU_105,3.37,1.09,-1.26,-0.96
 2DG7,ARG_105,12.42,-1.46,0.63,0.76
 2WOZ,LYS_576,10.83,-0.2,0,0.52
 2B78,ARG_140,12.31,-0.47,0,0.28
 3IOO,CYS_111,9.99,0,0.12,0.87
 2WB8,HIS_647,3.91,-3.62,0.76,0.28
 2IXM,GLU_72,4.39,0.15,0,-0.26
 3GOZ,TYR_213,11.54,0,1.54
 2FBL,LYS_136,10.38,-0.18,0,0.06
 1TJE,TYR_103,10.94,-0.04,0.06,0.93
 1R7J,ARG_77,12.45,-0.3,0,0.26
 2P0Y,HIS_141,6.07,-0.42,0.02,-0.02
 3GW3,ARG_50,11.39,-1.33,0,0.2
 1G8P,HIS_325,4.05,-2.77,1.05,-0.73
 1PZC,GLU_51,4.65,0.11,0,0.04
 1X7F,GLU_298,4.62,0.12,0,0
 1KN3,LYS_113,10.29,-0.21,0,0
 1D2K,TYR_354,12.12,0.15,1.97
 2YX0,ARG_238,10.06,-3.12,0,0.67
 1BKB,ASP_130,3.8,0,-0.2,0.19
 4ACJ,LYS_652,10.43,-0.22,0,0.15
 1X7F,ASP_274,2.22,-1.44,-0.52,0.38
 3JSN,LYS_184,10.64,-0.14,0,0.28
 3IOO,ASP_169,4.34,0,0.17,0.37
 3RHE,ARG_115,13.05,-1.02,0.69,0.88
 3O16,HIS_132,6.82,-0.62,0.62,0.31
 1LZL,GLU_268,5.59,0.78,0,0.31
 1TJE,ARG_191,11.78,-0.8,0,0.08
 3BB7,TYR_291,11.81,-1.21,-1.24,4.26
 3M66,ARG_374,12.23,-0.27,0,0
 3CSR,LYS_88,10.74,-0.37,0,0.61
 1UJ8,ASP_28,3.97,0,0,0.17
 3FK5,LYS_243,10.41,-0.2,0,0.12
 2EA9,LYS_54,10.31,-0.25,0,0.06
 2IF4,ARG_175,11.37,-0.88,0,-0.25
 1V6T,GLU_22,4.37,0.21,0,-0.34
 3M9A,GLU_48,4.56,0.22,0,-0.16
 3G9T,ARG_187,12.96,-0.5,0.54,0.42
 1EYH,ASP_113,2.93,-1.28,-0.33,0.73
 3C6B,LYS_258,10.44,-0.06,0,0
 3FK5,ARG_53,12.17,-0.65,0,0.32
 1L2F,GLU_132,4.72,0.21,0,0.01
 2V5B,GLU_108,4.1,0.33,-0.56,-0.17
 3V55,LYS_524,10.12,-0.36,0,-0.03
 4AF2,ASP_139,3.39,-1.26,-0.11,0.96
 3IRA,LYS_168,10.64,-0.14,0,0.27
 2XJ4,CYS_104,10.41,0,-0.17,1.58
 2ZCO,GLU_31,4.08,0.47,-0.43,-0.46
 3G9T,GLU_279,4.85,0.84,-0.67,0.18
 2GZR,ASP_220,3.95,0,-0.2,0.36
 4EUK,TYR_90,13.19,-0.85,0.71,3.31
 1GPP,LYS_416,9.5,-0.24,-0.55,1.29
 4DNU,ASP_367,3.34,-1.51,-0.49,1.54
 2CWC,ARG_153,13.14,-0.73,0.84,0.54
 1X8F,CYS_166,13.5,0,0.3,4.2
 1IAP,GLU_176,4.65,0.22,0,-0.08
 4EVF,LYS_128,10.71,-0.21,0,0.32
 3MEW,ASP_223,3.65,-0.83,0.01,0.67
 3CAX,GLU_159,4.97,0.37,0,0.1
 2WB8,GLU_694,3.59,0.71,-0.83,-0.79
 3R2E,ARG_114,13.98,-0.39,1.41,0.48
 2W2S,CYS_178,9.62,-0.13,0,0.76
 1SUU,GLU_761,4.28,0.27,-0.33,-0.17
 1DUP,ARG_104,12.21,-0.29,0,0
 3QKY,TYR_230,10.89,-0.75,-0.08,1.72
 1GQE,TYR_27,11.94,0.85,0.47,0.62
 2YYO,LYS_130,10.44,-0.06,0,0
 2EFK,HIS_17,6.28,-0.45,0,0.22
 1E0X,LYS_34,11.3,-0.28,0.85,0.22
 3JSN,GLU_158,4.72,0.21,0,0.02
 3H9W,ARG_91,13.95,-0.56,1.33,0.69
 1P6F,TYR_32,9.99,0,-0.23,0.23
 1Q46,CYS_97,11.57,0,0.54,2.02
 1Y2Q,GLU_28,3.9,0.25,-0.47,-0.37
 3F6F,ASP_209,4.13,0,0.03,0.31
 1W7B,GLU_139,3.39,2.35,-0.97,-2.5
 3FNI,ARG_111,12.32,-0.18,0,0
 1FKM,HIS_473,6.55,-0.29,0.18,0.17
 3DB9,HIS_252,3.94,-2.59,0.17,-0.14
 2FJ9,ASP_53,4.01,0,0,0.21
 2EJB,HIS_134,6.17,-0.54,0,0.22
 2O4D,GLU_122,3.09,0.66,-1.77,-0.3
 1WNH,TYR_8,10.02,0,-0.18,0.2
 1DUP,ASP_92,3.78,-0.18,-0.05,0.21
 3GA2,GLU_107,4.79,0.1,0,0.19
 1DUP,ARG_116,12.62,-0.23,0.05,0.3
 2BDV,ARG_41,12.19,-0.37,0,0.06
 2X4L,LYS_265,11.14,-0.21,0.85,0
 4EZB,GLU_149,4.63,0.32,-0.19,0
 2PGE,ARG_284,12.38,-0.13,0,0
 3RKV,LYS_319,10.71,-0.13,0,0.34
 1TD6,TYR_239,12.42,0.15,2.27
 1SQH,ARG_216,12.72,-0.29,0,0.5
 1PZC,LYS_106,10.45,-0.05,0,0
 3KV0,ARG_77,12.43,-0.45,0,0.38
 2A4D,ASP_113,3.03,-1.08,-0.08,0.39
 1XTZ,ARG_223,12.41,-0.13,0,0.04
 2E3C,TYR_446,10.46,-0.17,-0.44,1.06
 1YB2,GLU_41,4.98,0.28,0,0.19
 2O0K,LYS_23,10.31,-0.2,0,0.02
 1PSW,ARG_47,13.8,-0.88,1.62,0.56
 2JEO,ASP_156,3.88,0,-0.34,0.41
 3GV0,ARG_190,12.32,-0.69,0,0.52
 3RHE,ASP_88,3.92,0,-0.14,0.25
 1MJS,TYR_237,10.77,0,-0.01,0.77
 3L7N,LYS_172,10.63,-0.59,0,0.73
 1ANU,LYS_62,10.7,-0.1,0,0.29
 3F53,ARG_68,12.44,-0.22,0,0.16
 3B4D,GLU_189,3.74,0.46,-0.85,-0.37
 2Q13,LYS_6,10.57,-0.16,0,0.23
 3EJC,GLU_70,4.76,0.52,-0.26,0
 2IDC,TYR_111,12.36,0,2,36
 2Q98,CYS_191,8.76,-0.52,-0.1,0.38
 2CVB,GLU_119,4.78,3.8,-2.53,-0.99
 4GCO,ASP_198,4.13,0,-3.47E-18,0.34
 2R4Q,ASP_269,2.81,-0.85,-0.39,0.26
 1R29,ARG_28,12.36,-0.14,0,0
 4FCU,HIS_182,3.25,-3.13,0,-0.12
 1SUU,ARG_678,13.14,-0.3,0.44,0.5
 4DEU,ARG_127,12.3,-0.29,0,0.08
 2EHG,ARG_94,12.47,-0.36,0,0.34
 3LJN,LYS_153,10.86,-0.26,0.25,0.37
 4ECC,CYS_191,8.72,-0.09,-0.53,0.34
 2H2W,LYS_17,10.41,-0.1,0,0.01
 3B21,GLU_183,4.66,0.13,0,0.03
 3HYQ,ASP_108,2.81,-1.57,0,0.57
 1LZL,GLU_53,4.48,0.28,0,-0.3
 2G55,ARG_5,12.44,-0.09,0,0.02
 3IL3,ARG_4,12.51,-0.69,0.1,0.6
 1YTQ,LYS_75,10.23,-0.23,0,-0.04
 2OKT,LYS_288,9.73,-0.68,0,-0.09
 4D8L,HIS_33,5.01,-3.23,1.55,0.18
 3FHF,ARG_169,13.38,-0.51,0.7,0.69
 1GPP,LYS_152,10.66,-0.16,0,0.33
 2AD1,GLU_175,4.88,0.65,0,-0.28
 2OSA,HIS_277,6.8,-0.46,0.82,-0.06
 3RKV,LYS_285,10.57,-0.58,0.43,0.22
 4EUG,HIS_73,3.94,-2.39,0.01,-0.18
 2FG1,GLU_47,2.66,0.59,-1.81,-0.62
 2A0J,ARG_51,12.13,-0.56,0,0.19
 2XJ4,ARG_56,13.45,-0.37,0.73,0.59
 1V6T,ASP_41,2.68,-1.86,0,0.75
 2VGM,ASP_98,3.95,0,0,0.15
 1GXN,ARG_604,12.39,-0.4,0,0.28
 3P2F,ARG_155,12.42,-0.08,0,0
 3RNV,CYS_446,8.25,-0.85,-0.26,0.36
 2OEW,GLU_293,4.72,0.17,0,0.05
 4DVD,ASP_124,3.48,-0.51,-0.15,0.34
 4DEZ,LYS_148,11.25,-0.85,0.85,0.75
 2QVO,LYS_58,10.44,-0.06,0,0
 2E0T,HIS_172,6.35,-0.15,0,0
 1UOH,HIS_45,4.63,-2.73,0.54,0.33
 3V55,HIS_503,6.45,-0.09,0,0.04
 1BKB,ARG_131,13.38,-0.81,0.9,0.79
 1O5T,LYS_412,10.39,-0.3,0,0.19
 2ZOM,ARG_263,12.77,-0.39,0.17,0.48
 2XWS,GLU_19,4.39,0.23,-0.17,-0.17
 3PU6,ARG_138,12.63,-0.31,0.11,0.32

2FM9,LYS_135,10.61,-0.15,0,0.27
 3I0C,TYR_255,10.6,0,0.18,0.42
 3EVP,TYR_113,10.34,0,0.07,0.28
 3IVF,ASP_233,2.78,-0.85,-0.48,0.3
 2WZ9,ASP_98,1.63,-2.34,-0.88,1.04
 3L3P,GLU_509,4.6,0.13,0,-0.02
 2FI9,ARG_108,13.06,-0.31,0.52,0.34
 1GSZ,GLU_63,5.1,0.9,-0.44,-0.15
 3NR5,GLU_132,4.55,0.05,0,0
 3J5N,GLU_167,7.82,3.63,-0.19,-0.12
 2YWJ,ASP_34,2.54,-1.59,-0.29,0.61
 2VAN,TYR_296,10.84,0,0.42,0.42
 2HXB,LYS_157,10.33,-0.28,0,0.1
 2DOA,ARG_38,12.31,-0.42,0,0.23
 1R7J,GLU_53,3.8,0.26,-0.61,-0.35
 2HXB,GLU_53,4.57,0.07,0,0
 2JEO,ASP_161,4.26,0,0.27,0.19
 3LD1,ARG_153,12.36,-0.89,0.22,0.54
 3ONH,ASP_488,3.55,-0.88,0,0.63
 2F8H,ARG_227,12.79,-0.29,0.14,0.45
 3P51,ARG_16,12.23,-0.32,0,0.07
 2EJB,LYS_44,10.32,-0.12,0,-0.06
 3C6B,ARG_226,12.41,-0.09,0,0
 3CGW,GLU_19,4.84,0.57,0,-0.22
 3LMF,ASP_92,3.52,-0.11,-0.35,0.19
 2QHT,GLU_181,3.86,0.5,-0.76,-0.38
 3RE9,GLU_186,4.67,0.42,0,-0.25
 3CCY,GLU_10,4.53,0.13,0,-0.11
 2HNG,CYS_103,11.2,0.06,2.14
 3CS1,LYS_23,10.5,-0.1,0,0.1
 4ECC,LYS_100,10.58,-0.07,0,0.15
 2DOA,ASP_14,3.57,-0.59,-0.01,0.37
 2W1R,GLU_103,5.07,0.31,0,0.26
 1IDK,HIS_247,4.81,-2.94,0.52,0.74
 1LZL,GLU_96,4.95,0.46,0,-0.01
 2O8P,GLU_140,3.28,0.85,-1.45,-0.62
 1MUF,GLU_177,4.45,0.08,0,-0.13
 1BYI,GLU_94,3.99,0.34,-0.85,0
 2F4Q,ASP_59,3.81,-0.42,-0.13,0.57
 1WOU,LYS_40,10.44,-0.06,0,0
 3CX5,GLU_156,4.81,0.7,-0.01,-0.38
 3KV0,ARG_93,13.82,-0.6,1.24,0.68
 3J5N,GLU_47,4.74,0.2,0,0.05
 3F6F,TYR_114,11.31,-0.85,0.02,2.14
 3CCY,TYR_9,10.14,0,0.07,0.07
 1WYC,ARG_251,12.42,-0.41,0,0.34
 3IL3,ARG_291,12.8,-0.94,0.7,0.54
 1SBX,ASP_133,3.85,0,-0.1,0.16
 3OAF,HIS_8,6.24,-0.36,0,0.1
 2Q12,GLU_69,4.48,0.22,0,-0.23
 2ILR,GLU_276,4.56,0.06,0,0
 1BN6,TYR_57,12.26,-0.01,-0.11,2.36
 2J8A,ASP_286,1.92,-2.62,0,0.73
 2DFL,LYS_74,10.5,-0.25,0,0.24
 1NKD,CYS_54,9.54,0,-0.01,0.55
 3RRQ,ARG_94,13.71,-0.95,1.44,0.72
 1WXQ,TYR_268,11.38,0,0.25,1.12
 2V81,GLU_92,3.66,0.32,-0.61,-0.56
 2RIK,LYS_186,11.12,-0.5,0.74,0.38
 1J74,ASP_40,3.61,-0.34,-0.16,0.31
 2Q99,ASP_211,3.5,-0.85,-0.59,1.14
 3US6,GLU_40,5.02,0.43,0,0.09
 3V1Q,LYS_662,10.81,-0.12,0,0.42
 1O17,HIS_86,7.11,-0.34,0.8,0.14
 3V4G,GLU_64,4.24,0.27,-0.36,-0.17
 1T07,ARG_63,12.32,-0.2,0,0.03
 3CIV,CYS_91,13.69,-0.33,1.19,3.84
 1V43,TYR_231,12.68,0.85,0.14,1.7
 2YT4,LYS_567,10.43,-0.46,0.04,0.35
 2H01,HIS_76,6.8,-2.91,1.6,1.61
 3IBT,HIS_126,5.78,-1.05,0.07,0.26
 3LMO,GLU_95,4.43,0.23,-0.01,-0.29
 1WLY,GLU_204,5.38,0.22,0.32,0.34
 1RZZ,LYS_152,9.79,-0.3,0,-0.42
 4DNU,ARG_209,12.4,-0.27,0,0.18
 3C0C,ARG_328,13.28,-0.31,0.39,0.7
 3IDW,ASP_38,4.09,0.04,0.26
 2D7U,ASP_289,3.99,-0.63,-0.17,0.98
 2CW4,ARG_101,12.33,-0.82,0,0.65
 2B78,LYS_15,11.08,-0.23,0.44,0.37
 1L2F,LYS_129,11.3,-0.53,0.85,0.48
 3GZQ,TYR_218,10.21,0.04,0.17
 2GDR,ASP_62,0.94,-2.76,-0.73,0.63
 2VGM,LYS_271,10.45,-0.19,0,0.13
 3A2Z,GLU_164,2.59,0.43,-1.57,-0.77
 1V8E,ARG_120,12.43,-0.07,0,0
 2FG1,LYS_140,10.68,-0.27,0,0.45
 2A1V,GLU_70,4.7,0.24,0,-0.04
 2CXV,GLU_29,4.63,0.18,0,-0.05
 2XWS,HIS_74,5.75,-0.89,0,0.14
 3U0V,HIS_175,5.01,-2.46,0.87,0.11
 1P4X,GLU_213,4.58,0.12,0,-0.04
 1YTD,HIS_364,7.35,-0.23,0.67,0.4
 2DG7,HIS_23,6.41,-0.26,0.01,0.17
 1ZBM,ARG_68,11.69,-0.83,0,0.02
 2Q12,LYS_160,10.5,-0.27,0,0.26
 3EUR,TYR_115,12.25,0.54,1.71
 3FK5,ARG_35,12.15,-0.45,0,0.1
 2OPJ,ARG_215,12.36,-0.27,0,0.14
 1R6V,HIS_38,7.19,-0.34,0.85,0.18
 3CRM,ASP_307,3.62,-0.35,-0.05,0.22
 1R5Q,ASP_87,2.97,-1.27,-0.34,0.78
 3HVM,TYR_228,10.07,0,-0.27,0.34
 3GV0,ASP_126,1.69,-2.53,-0.43,0.86
 1V43,GLU_247,4.98,0.6,0,-0.11
 3GA2,HIS_227,5.89,-0.69,0,0.09
 1E55,ASP_81,2.38,-2.22,-0.61,1.42
 3ULX,GLU_11,4.44,0.1,0,-0.16
 1NIJ,ASP_265,4.11,0,0,0.31
 1YTQ,CYS_66,9.28,-0.18,-0.25,0.71
 2G9D,HIS_19,6.62,-0.15,0,0.27
 2V4V,ARG_129,12.6,-0.29,0,0.38
 2H85,GLU_3,4.34,0.39,-0.55,0
 2E3C,ARG_310,11.92,-0.54,0,-0.04
 1MML,LYS_274,10.42,-0.25,0,0.17
 1N81,ARG_83,12.83,-0.33,0.04,0.62
 3FTT,ASP_99,3.21,-0.77,-0.2,0.39
 2GEN,GLU_55,2.9,1.61,-2.16,-1.05
 1V43,LYS_116,10.46,-0.05,0,0
 1Y0K,LYS_148,10.49,-0.34,0,0.33
 3EVZ,TYR_71,10.23,0,-0.34,0.57
 1VJG,ASP_153,3.52,-0.35,-0.23,0.29
 3C6B,TYR_180,12.36,-0.02,-1.24,3.61
 2D8N,LYS_5,10.38,-0.12,0,0
 1UOH,GLU_171,4.93,0.18,0,0.24
 2CN1,ARG_17,12.55,-0.17,0,0.22
 3FXH,ARG_79,13.8,-0.67,1.5,0.46
 1S7K,ARG_174,11.65,-0.85,0,0
 1PDB,ASP_94,3.74,-0.39,-0.3,0.63
 3F6F,ASP_80,3.5,-0.57,-0.14,0.41
 1F2V,ARG_16,12.33,-0.17,0,0
 2H2W,GLU_159,4.64,0.19,0,-0.05
 1T95,GLU_24,3.68,0.49,-0.71,-0.6
 2IRM,CYS_21,7.86,-2.62,-0.57,2.05
 1SIG,GLU_154,4.73,0.33,0,-0.1
 2X4L,LYS_102,10.43,-0.33,0,0.05
 2PPN,GLU_107,4.09,0.27,-0.42,-0.25
 3LJC,ASP_85,3.83,-0.36,0,0.39
 2EHG,LYS_106,9.76,-0.71,0,-0.03
 1ZVL,LYS_238,10.38,-0.12,0,0
 3RAZ,ARG_110,12.24,-0.26,0,0
 3R2E,GLU_78,3.05,0.79,-1.54,-0.7
 4ANN,TYR_205,10.74,0,0.11,0.63
 4DIU,LYS_139,10.57,-0.11,0,0.19
 2DFL,ARG_320,11.45,-1.42,0,0.37
 2AHE,ARG_40,11.46,-2.2,0.32,0.85
 3QAV,LYS_123,10.69,-0.17,0.35,0
 1NIJ,HIS_215,6.54,-0.41,0.51,-0.05
 2EJX,TYR_64,10.19,0,-0.15,0.34
 3MEW,ASP_258,2.69,-1.29,-0.41,0.59
 1DOV,GLU_95,3.91,0.36,-0.52,-0.43
 3I4T,ASP_93,3.09,-0.72,0,0.01
 1O6D,LYS_10,11.22,-0.43,0.7,0.44
 1FKM,LYS_263,11.39,-0.34,0.85,0.39
 2Q34,LYS_178,10.6,-0.13,0.05,0.17
 2B61,TYR_266,13.66,0.07,1.02,2.57
 1X91,ARG_69,12.31,-0.23,0,0.04
 2AZL,GLU_247,4.71,0.39,0,-0.18
 4EF5,TYR_182,12.49,0.8,0.53,1.16
 1AIL,ARG_35,12.35,-0.31,0,0.15
 3E27,TYR_59,10,0,0,0
 3VJ8,CYS_70,13.2,-0.01,0.6,3.6
 3JRT,LYS_63,10.32,-0.36,0,0.18
 3BQE,ASP_357,3.26,-0.48,-0.53,0.47
 1Q2Y,GLU_21,4.92,0.52,0,-0.1
 1V6T,LYS_246,10.24,-0.22,0,-0.04
 1T95,ARG_98,12.17,-0.4,0,0.07
 3M3P,ASP_105,3.2,-0.83,0,0.24
 1QQL,HIS_102,5.26,-0.83,0,-0.4
 1MUS,ARG_372,12.76,-0.9,0.52,0.65
 2HXB,LYS_168,12.16,-0.59,1.7,0.56
 3IPZ,GLU_76,4.65,0.19,0,-0.04
 2O8P,TYR_67,9.9,-0.8,-0.37,1.08
 2EEY,GLU_42,3.9,0.4,-0.59,-0.4
 3IL3,LYS_256,10.82,-0.34,0.43,0.24
 1S1J,GLU_12,3.35,0.43,-1.58,-0.01
 3A7L,GLU_111,3.74,0.68,-1.7,0.26
 1BN6,ASP_84,3.36,-0.83,-0.26,0.65
 2A1V,GLU_25,4.46,0.94,-0.76,-0.21
 3AZZ,TYR_47,9.4,-0.75,-0.33,0.47
 2G2Q,ARG_89,11.76,-1.33,0.18,0.41
 1XEU,ARG_170,13.59,-0.57,0.65,1.01
 4F85,ARG_286,13.51,-0.32,0.82,0.51
 2V4U,ASP_418,3.42,-0.24,-0.5,0.36
 2A6B,GLU_43,4.68,0.17,0,0.01
 3HVM,CYS_158,11.21,-1.21,-0.19,3.6
 3BB7,TYR_180,10.41,0.05,0.37
 2O8P,LYS_100,10.44,-0.11,0,0.05
 3Q1C,HIS_240,6.4,-0.18,0,0.08
 3NR5,ARG_157,12.64,-1.27,0.52,0.89
 2BV9,ASP_140,4.31,0,-0.33,0.84
 3B79,TYR_15,10.24,0,0.04,0.2
 2PGX,ARG_114,11.27,-1.27,0,0.05
 2NYC,ARG_288,13.37,-0.22,0.82,0.28
 2Q07,TYR_441,10.16,0,-0.02,0.18
 4DEZ,ARG_95,12.44,-0.3,0.0,24
 3DHN,ASP_180,2.92,-0.85,-1.01,0.97
 3FK5,ARG_220,12.25,-0.33,0,0.09
 3OOP,TYR_4,10.14,0.07,0.06
 3HVM,LYS_65,10.82,-0.17,0,0.49
 1N81,TYR_86,10.16,-0.67,-0.32,1.15
 2F4Q,ARG_313,12.51,-0.06,0,0.07
 4EKU,LYS_284,10.21,-0.25,0,-0.04
 1AD6,ASP_507,3.7,-0.27,-0.1,0.27
 2OSA,LYS_280,10.39,-0.09,0,-0.02
 3KT9,ASP_37,2.44,-1.68,-0.18,0.5
 2A1V,ASP_30,3.95,0,0.05,0.1
 3Q6L,LYS_22,10.58,-0.19,0,0.28
 1WXQ,TYR_64,10.93,-0.04,0.45,0.51
 3CIV,HIS_183,4.95,-1.94,0.12,0.27
 3PU6,ASP_75,2.96,-1.65,-0.35,1.16
 3IUS,ASP_107,3.88,-0.27,0.11,0.24
 3BPP,GLU_218,4.48,0.15,0,-0.17
 4E9E,LYS_514,10.32,-0.28,0,0.1
 3N2T,GLU_199,4.93,0.43,0,0
 1Z3X,HIS_211,4.98,-2.37,0.82,0.03
 1IDK,ASP_255,3.32,-1.15,-0.42,1.1
 3AUF,ASP_165,3.55,-0.69,0.06,0.39
 2CVB,ASP_141,2.83,-1.17,-0.24,0.44
 1J7G,GLU_58,4.58,0.08,0,0
 1PVT,GLU_37,4.34,0.09,0,-0.24
 2OJQ,GLU_387,4.77,0.31,0,-0.04
 4FCU,ARG_243,13.1,-0.38,0.62,0.37
 3CX5,LYS_115,10.17,-0.66,0,0.34
 2W2S,TYR_138,13.1,0,0.25,2.85
 3CAX,HIS_400,6.29,-1.08,0.79,0.08
 3O16,GLU_20,4.57,0.11,0,-0.03
 3CGW,GLU_139,4.92,0.31,0,0.11
 4GA2,GLU_57,4.45,0.15,0,-0.2
 3CCY,ASP_36,2.53,-1.35,-0.27,0.35
 3TMO,GLU_200,4.39,1.17,-0.79,-0.48
 3UV9,CYS_486,6.29,-3.08,-0.43,0.8
 1U7A,GLU_121,4.14,1.1,-1.02,-0.44
 1OXZ,CYS_256,10.88,-0.02,-0.02,1.92
 3T8R,GLU_72,4.71,0.14,0,0.07
 2V5B,GLU_98,4.68,0.28,0,-0.09
 1TR9,TYR_83,10.65,0.02,0.62
 3CIV,GLU_41,4.7,0.23,0,0.03
 3ONH,LYS_523,9.98,-0.52,0,-0.01
 2R51,LYS_59,10.38,-0.08,0,-0.04
 2B6P,GLU_232,3.49,0.5,-1.22,-0.29
 2AZP,TYR_139,10.41,0,0.07,0.34
 1RSS,ARG_79,12.3,-0.2,0,0
 3ZXY,ASP_52,2.98,-1.16,-0.38,0.32
 4AF2,TYR_118,12.98,0.01,1.2,88
 3L7N,ASP_47,1.36,-2.12,-0.93,0.61
 2IXM,GLU_57,4.62,0.42,0,-0.3
 2Q5X,LYS_841,10.42,-0.08,0,0
 3M70,HIS_150,6.54,-0.33,0.01,0.36
 3CS1,GLU_111,4.87,0.25,0,0.12
 1MN3,GLU_429,3.78,0.36,-0.71,-0.37
 1DZF,GLU_160,3.33,0.93,-1.56,-0.55
 3H04,ARG_263,12.43,-0.26,0,0.19
 3CAN,ASP_111,3.41,-1.26,-0.03,0.91
 3UAH,ASP_195,3.68,-0.15,-0.56,0.59
 2B78,GLU_151,4.47,2.08,-1.59,-0.52
 2H2Z,ASP_248,4.27,0.0,15,0.33
 2VAN,ASP_116,3.87,0,-0.09,0.16
 2CN1,ASP_236,2.52,-1.6,-0.85,1.19
 1DZF,LYS_56,10.82,-0.2,0,0.53
 3HUE,LYS_318,10.44,-0.22,0,0.16
 1T95,ASP_128,4.0,-0.01,0.21
 1NIJ,ASP_223,3.83,-0.24,-0.03,0.3
 2H85,ASP_78,3.79,-0.85,-0.14,0.98
 2NRK,LYS_95,10.37,-0.13,0,0
 2E3C,GLU_332,5.32,1.26,0,-0.45
 3G9T,ARG_30,13.58,-0.99,1.59,0.48
 3GS9,TYR_149,11.22,0.0,16,1.06
 2QOP,LYS_80,10.56,-0.18,0,0.23
 4DIU,ASP_175,3.89,0,-0.11,0.21
 1DOV,GLU_197,4.82,0.26,0,0.06
 3BB7,TYR_51,11.51,0,0.13,1.39
 1P1L,LYS_91,10.65,-0.08,0,0.23
 2APL,GLU_22,4.61,0.28,0,-0.17
 3M3P,GLU_200,4.96,0.21,0,0.25
 2VAN,LYS_120,10.53,-0.15,0,0.18

3H5T,GLU_207,4.63,0.17,0,-0.04
 1TR9,TYR_223,11.44,0.06,0.85
 3GW3,GLU_293,4.58,0.17,0,-0.09
 2AD1,GLU_69,4.67,0.23,0,-0.07
 1CBY,ARG_212,12.52,-0.28,0,0.3
 1BKR,HIS_44,5.55,-1.52,0.82,-0.24
 4EF5,ARG_180,12.2,-0.32,0,0.02
 1BN6,HIS_50,4.73,-3.46,0.8,0.89
 1KCM,ASP_160,1.67,-2.43,-1.24,1.52
 2IF4,GLU_203,5.22,0.81,0,-0.08
 3UAH,LYS_288,10.64,-0.38,0,0.52
 1EV8,LYS_140,10.45,-0.06,0,0.01
 1ILW,CYS_126,12.58,0.06,0.3,53
 2G55,ARG_179,12.23,-0.7,0,0.43
 2D7U,ASP_158,3.11,-1.03,-0.39,0.72
 3EJC,LYS_65,11.4,-0.33,0.85,0.38
 2YX0,LYS_247,10.7,-0.18,0,0.38
 1X6J,ARG_41,12.81,-0.32,0,0.64
 1R29,CYS_121,10.58,-0.02,0.01,1.6
 2BV9,HIS_290,7.03,-0.33,0.77,0.09
 4H4J,GLU_86,4.58,0.08,0,0
 2PGX,TYR_134,11.9,0.15,1.75
 3TIR,GLU_99,3.78,0.31,-0.8,-0.24
 3SMD,ASP_141,3.61,-0.15,-0.38,0.35
 3COU,CYS_113,10.39,-0.68,0,0.57
 2WOZ,ASP_397,3.84,0,-0.29,0.33
 1ANU,ASP_121,2.95,-1.38,-0.13,0.67
 2G9D,ASP_274,3.51,-0.31,-0.26,0.28
 1YOY,ASP_154,3.77,0,-0.18,0.15
 3JV1,ASP_62,3.96,0,-0.21,0.36
 3ONT,HIS_118,6.46,-0.34,0,0.3
 2ZCX,ASP_160,3.41,-0.91,-0.04,0.57
 1L3K,GLU_118,3.61,0.29,-0.84,-0.34
 3OIP,LYS_129,10.01,-0.32,0,-0.17
 3H13,LYS_473,10.32,-0.32,0,0.13
 3VJ8,GLU_167,3.76,0.54,-0.82,-0.47
 3GA2,LYS_186,9.92,-0.3,-0.27
 1ZP2,GLU_120,4.75,0.25,0,0
 1WYC,HIS_31,6.35,-0.61,0,0.46
 1BKB,LYS_37,10.16,-0.31,0,-0.03
 4FCU,LYS_38,10.72,-0.23,0,0.46
 2R4Q,GLU_221,2.53,0.63,-1.92,-0.68
 2Y2T,LYS_78,10.34,-0.2,0,0.03
 2O0K,LYS_153,10.67,-0.2,0,0.36
 2D7U,GLU_311,5.07,0.66,0,-0.08
 1HF8,HIS_41,5.26,-0.66,0,-0.58
 3VJ8,ASP_108,3.83,0,-0.16,0.18
 3CCY,ARG_60,12.38,-0.38,0,0.25
 2Q99,ASP_160,3.65,-0.26,-0.06,0.17
 2CXA,ARG_2,12.35,-0.16,0,0.01
 3L0D,GLU_91,4.65,0.34,0,-0.19
 1I60,ARG_34,13.61,-1.41,1.16,1.36
 2OBI,CYS_107,9.72,0,0.11,0.61
 1U3Y,GLU_284,3.45,0.76,-1.44,-0.37
 4FCU,GLU_101,7.67,2.68,0,0.49
 2G5X,GLU_131,4.1,0.46,-0.67,-0.19
 1P4X,ARG_208,12.21,-0.33,0,0.04
 1XTD,GLU_91,4.01,0.39,-0.85,-0.03
 3JZN,ASP_303,3.99,0,-0.05,0.23
 4GCO,ARG_195,12.54,-0.36,0,0.13,0.28
 1R5S,GLU_123,5.15,2.09,-1.12,-0.33
 2EFK,LYS_56,10.46,-0.04,0,0
 3VJ8,LYS_315,10.27,-0.17,0,-0.05
 1EDG,ARG_217,10.1,-2.4,0,0
 1IAP,TYR_100,11.1,0.47,0.63
 1R53,GLU_302,4.95,0.59,0,-0.15
 3F7P,GLU_136,4.01,0.63,-0.79,-0.32
 2FZ4,TYR_97,9.28,-1.11,-0.35,0.73
 3ILC,GLU_92,4.21,0.32,-0.81,0.19
 3ON1,ARG_81,12.1,-0.41,0,0.01
 3T5B,LYS_2,10.52,-0.19,0,0.21
 3DHN,LYS_139,10.41,-0.25,0,0.16
 3BA1,GLU_247,3.56,0.29,-0.8,-0.43
 4DEZ,LYS_43,10.39,-0.11,0,0
 1KCM,ASP_52,3.31,-0.89,0,0.39
 3EJC,HIS_133,6.53,-0.73,0.45,0.31
 1S17,ASP_26,2.64,-2.05,-0.4,1.3
 1JSX,GLU_115,4.56,0.12,0,-0.06
 3FK5,ARG_203,11.89,-0.77,0,0.16
 1ZHV,ASP_117,4.04,0,0,0.24
 2WOZ,LYS_471,10.6,-0.11,0,0.21
 2B0A,TYR_163,10.36,0,-0.15,0.51
 3QAV,GLU_104,4.19,1.57,-1.13,-0.75
 2Z14,LYS_40,11.56,-0.54,0.58,1.02
 1T95,ARG_130,12.34,-0.22,0,0.05
 1L2F,LYS_57,10.52,-0.37,0,0.39
 1J74,GLU_39,4.69,0.13,0,0.06
 2Z84,TYR_135,13.45,0.84,0.6,2
 3QYB,LYS_904,10.53,-0.34,0,0.36
 2QK1,ARG_519,12.18,-0.39,0,0.07
 2V4U,GLU_493,3.48,0.24,-0.85,-0.41
 2R57,ARG_374,12.01,-0.57,0,0.08
 2H2Z,TYR_239,12.67,0.21,2.45
 1PGW,ASP_223,3.19,-0.83,-0.13,0.35
 1OTM,LYS_139,10.54,-0.16,0,0.21
 2D0A,CYS_227,10.24,-0.34,-0.24,1.83
 3V55,HIS_540,6.37,-0.12,0,-0.01
 2FGG,ASP_67,2.77,-1.46,0,0.43
 2IF4,LYS_272,9.59,-0.97,0.21,-0.15
 3BQW,ASP_280,3.3,-1.23,-0.36,1.08
 3NR5,CYS_41,8.63,-0.71,-0.23,0.56
 2ILR,TYR_396,10.51,-0.29,0.07,0.73
 3I4T,TYR_49,12.78,0.02,2.51
 1V8E,LYS_73,10.03,-0.93,0,0.47
 4AF2,ASP_76,3.79,0,-0.15,0.14
 1X1E,GLU_161,4.56,0.23,0,-0.17
 1RAJ,HIS_199,6.64,-0.36,0.5,0
 2CXA,ARG_21,12.94,-0.23,0.38,0.28
 2FGG,ASP_79,3.98,0,-0.16,0.34
 1R29,LYS_66,10.43,-0.21,0,0.14
 1DZF,ASP_74,3.97,0,0,0.17
 3N2T,ARG_270,11.88,-2.09,0.52,0.95
 4ECC,GLU_25,4.66,0.22,0,-0.05
 2WOZ,ASP_474,3.46,-0.37,-0.59,0.62
 1Q8B,HIS_14,5.77,-0.6,0,-0.12
 2PLQ,ASP_11,1.94,-2.31,-0.35,0.8
 3F6M,LYS_106,10.43,-0.07,0,0
 1WP5,TYR_166,10.57,0.01,0.39
 4FH3,ASP_148,2.54,-2.71,-0.06,1.51
 1BYI,ARG_193,12.27,-0.23,0,0
 3LMO,ARG_7,12.28,-0.27,0,0.06
 3AUF,ASP_58,3.31,-0.64,-0.21,0.36
 3GW3,HIS_339,3.81,-1.96,0,-0.73
 1MUF,GLU_176,4.53,0.09,0,-0.06
 3LPZ,ARG_165,13.16,-0.53,0.77,0.42
 3GE9,CYS_43,9.4,0,0,0.4
 2B3M,ASP_120,3.92,-0.81,-0.25,1.18
 3BQW,GLU_185,3.92,0.27,-0.45,-0.4
 3PZ9,GLU_384,4.26,0.28,-0.37,-0.14
 1NIJ,ASP_136,3.58,-0.43,-0.52,0.72
 1LPL,LYS_206,10.37,-0.23,0,0.1
 3RJX,ARG_195,10.6,-2.01,0,0.11
 2GYZ,HIS_21,6.03,-0.43,0,-0.03
 3ANJ,TYR_187,10.31,0,0.07,0.24
 1RZ2,TYR_167,10.77,0.43,0.33
 3M3P,GLU_157,4.3,0.21,0,-0.4
 2X4G,TYR_208,10.62,0.09,0.53
 1BN6,GLU_296,4.61,0.44,0,-0.33
 2OPJ,ARG_149,12.29,-0.36,0,0.16
 1PBV,GLU_228,4.7,0.19,0,0.02
 3P51,ARG_145,13.29,-0.49,0.62,0.66
 1NRI,LYS_224,10.4,-0.28,0,0.18
 1K95,ASP_69,2.97,-1.15,-0.26,0.58
 1ZBP,LYS_29,10.23,-0.18,0,-0.09
 3TRE,LYS_31,10.33,-0.17,0,0
 3CX5,TYR_165,11.63,0.029,1.33
 3H5T,GLU_163,3.5,1.09,-1.3,-0.81
 3JSN,ASP_124,4.02,0,0,0.22
 3M16,GLU_145,3.97,1.1,-1.37,-0.25
 1PV5,ARG_34,12.4,-0.61,0,0.51
 3V75,GLU_85,5.2,0.87,0,-0.17
 3FHF,HIS_1,6.14,-0.31,0.03,-0.07
 2IDC,GLU_105,5.04,1.89,-0.72,-0.62
 3Q1C,ARG_245,13.77,-0.35,1.2,0.41
 2CXA,ARG_218,12.43,-0.07,0,0
 2CE6,TYR_41,9.7,-1.09,-0.16,0.95
 2IXM,GLU_67,4.57,0.07,0,0
 1LFP,HIS_171,5.71,-1.27,0.11,0.37
 1XIP,LYS_126,10.44,-0.12,0,0.05
 1SJJ,GLU_118,4.75,0.26,0,-0.01
 3MIX,GLU_630,4.57,0.35,0,-0.28
 1GQE,LYS_334,10.41,-0.29,0,0.2
 1FHL,LYS_280,10.58,-0.19,0,0.27
 3RNV,LYS_357,10.44,-0.18,0,0.12
 2X4G,HIS_43,6.35,-0.95,0.8,0
 2JKF,HIS_130,3.71,-2.79,0.36,-0.35
 3RFY,TYR_394,11.56,0.58,0.98
 2IRM,GLU_344,4.53,0.11,0,-0.08
 3CEZ,GLU_81,3.97,0.31,-0.66,-0.18
 3CN5,ARG_225,9.95,-2.87,0,0.32
 3PP8,GLU_297,3.54,0.57,-1.06,-0.48
 1AIL,ASP_29,3.14,-0.83,-0.16,0.34
 1L2F,GLU_296,4.64,0.32,0,-0.18
 1MTZ,TYR_243,10.83,0.28,0.27,0.28
 3M16,HIS_223,6.26,-0.62,0.43,-0.04
 3G65,ASP_63,4.02,-0.07,-0.57,0.87
 4FZR,HIS_292,5.37,-1.13,0,0
 1WXQ,GLU_52,4.48,0.2,0,-0.21
 2D0A,GLU_21,4.56,0.1,0,-0.04
 3LPZ,HIS_151,3.89,-1.95,0,-0.65
 4EKU,GLU_268,4.41,0.38,-0.09,-0.38
 2IF4,ASP_148,3.92,-0.61,-0.18,0.92
 1M5I,LYS_153,11.47,-0.2,0.77,0.4
 4DBL,GLU_117,4.35,0.23,0,-0.39
 2HRZ,HIS_152,6.53,-0.33,0.36,0
 2UAZ,LYS_272,10.24,-0.25,0,-0.01
 3AHL,TYR_290,13.73,0.79,0.94,2.01
 2HNG,GLU_34,4.59,0.1,0,-0.01
 2P52,ARG_246,13.19,-0.8,0.72,0.76
 2RIS,ASP_28,3.47,-0.78,0.15,0.29
 1QVI,LYS_221,10.38,-0.33,0,0.22
 2G2D,ASP_56,3.32,-0.97,0,0.49
 1X7F,GLU_233,3.96,0.23,-0.65,-0.11
 1J7G,LYS_48,10.21,-0.31,0.2,78E-17
 2J8A,GLU_277,4.63,0.21,0,-0.08
 2OPJ,ASP_148,4.01,0,-0.15,0.36
 1P2F,TYR_213,10.74,-0.56,-0.18,1.49
 1PVT,ASP_50,4.18,0.06,0.32
 2P5D,LYS_100,11.32,-0.41,0.85,0.38
 2XHC,LYS_139,10.59,-0.11,0,0.2
 1M5I,TYR_159,10.39,0,-0.06,0.45
 3EX9,TYR_30,12.06,-0.07,-1.3,1.3
 2ZTY,GLU_99,4.6,0.2,0,-0.09
 2CVB,ASP_75,2.68,-1.38,-0.42,0.68
 2Q99,LYS_300,10.48,-0.11,0,0.09
 3Q6L,CYS_2,9.04,-0.67,-0.36,1.06
 1R9W,ASP_220,3.95,0,-0.11,0.26
 2XMZ,GLU_263,4.41,0.29,0,-0.39
 1RAJ,GLU_382,4.3,0.51,-0.72,0.01
 4EVF,ARG_116,13.13,-0.32,0.47,0.49
 1XIP,GLU_114,5.05,0.17,0,0.38
 3L0D,GLU_58,4.74,0.28,0,-0.04
 2EYI,CYS_180,12.17,-0.11,0.08,3.2
 2R05,HIS_54,7.34,-0.58,0.81,0.61
 1HUF,GLU_50,4.69,0.26,0,-0.08
 2XMZ,ASP_59,3.89,0,-0.08,0.18
 3H5T,TYR_340,10.47,0.0.18,0.29
 2AXO,LYS_195,10.39,-0.11,0,0
 1G8P,GLU_73,3.31,0.33,-0.9,-0.62
 2CL3,LYS_29,10.62,-0.26,0,0.38
 1MML,ASP_216,3.91,0,-0.07,0.18
 3BB7,TYR_245,10.23,0.06,0.16
 3CS1,ASP_68,3.87,-0.15,-0.03,0.25
 1F2V,CYS_76,13.63,0.09,3.7
 2BDD,LYS_96,11.4,-0.44,0.68,0.66
 2CBE,GLU_234,3.43,0.16,-0.85,-0.38
 2RIK,ASP_255,2.89,-1.88,-0.58,1.55
 3M66,GLU_170,4.82,0.3,0,0.02
 2GAU,GLU_117,3.94,0.25,-0.43,-0.38
 3MIX,TYR_651,10.36,-0.11,0.19,0.28
 3MTT,LYS_558,10.47,-0.08,0,0.04
 3BWT,HIS_849,6.39,-0.43,0.32
 3CSV,GLU_295,4.7,-0.28,0,-0.08
 1XIPL,LYS_5,10.41,-0.12,0,0.02
 3ERF,GLU_142,4.35,0.2,-0.35,0
 2EJX,ASP_15,3.74,-0.25,-0.14,0.34
 1NAF,LYS_295,10.39,-0.19,0,0.09
 2HXB,TYR_32,11.99,-0.8,0.39,2.39
 4EUG,TYR_93,13.21,0.0,3.21
 2QVO,LYS_52,9.67,-0.77,0,-0.06
 3K8J,GLU_64,4.63,0.3,0,-0.17
 3DTE,ASP_94,4.06,0.0.13,0.14
 2VGM,ASP_75,3.65,-0.34,-0.17,0.36
 3UV9,LYS_372,9.94,-1.54,0.55,0.43
 2PQT,TYR_192,12.2,-0.83,1.06,1.97
 1EV8,TYR_242,10.58,-1.42,-0.08,2.08
 3LD1,ARG_152,12.25,-1.54,0.75,0.55
 3IVF,TYR_71,10.84,-0.84,0.3,1.39
 2R51,TYR_284,11.1,0.27,0.18,0.65
 1KW4,GLU_43,4.63,0.11,0,0.02
 3LJI,ARG_267,12.85,-0.61,0.53,0.44
 1FHL,LYS_67,9.88,-0.61,0,-0.01
 1YM5,LYS_201,10.47,-0.69,0.18,0.47
 1MD6,ASP_138,4,0,0,0.2
 1R3F,GLU_285,3.11,0.89,-1.64,-0.63
 1WPA,ARG_459,12.38,-0.21,0,0.08
 3I47,GLU_9,4.32,0.29,-0.32,-0.15
 3E5T,HIS_193,5.38,-2.23,0.85,0.26
 3ODJ,LYS_10,10.48,-0.05,0,0.02
 2JHY,ARG_152,12.56,-0.52,0,0.59
 2ZCO,TYR_248,11.87,-0.29,-0.93,3.09
 2E3C,GLU_207,4.58,0.08,0,0.01
 2YX0,LYS_50,10.63,-0.19,0.07,0.25
 1SUU,LYS_623,10.22,-0.5,0,0.22
 3L7N,ARG_164,11.67,-0.92,0,0.09
 3BJV,LYS_8,10.41,-0.15,0,0.06
 3Q1C,LYS_237,10.55,-0.21,0,0.25
 1R5Q,ASP_37,2.9,-0.74,-0.55,0.39
 3CO1,CYS_55,11.49,-0.14,0.02,2.61
 2CWY,LYS_30,10.42,-0.08,0,0.01
 2DVK,GLU_74,4.05,0.34,-0.5,-0.3
 1YG2,ARG_76,12.19,-0.33,0,0.02
 2BAA,ASP_141,3.83,-0.16,-0.7,0.88
 1YMS,ASP_191,3.71,0,-0.26,0.17
 3RFF,ARG_78,12.27,-0.24,0,0.01
 2QV2,HIS_226,6.4,-0.88,0.62,0.15

1TUL,LYS_58,10.66,-0.31,0.39,0.08
 1ZCU,GLU_56,4.45,0.79,-0.8,-0.03
 1DUP,GLU_17,4.74,0.37,0,-0.13
 3ZSL,HIS_158,5.91,-2.1,1.1,0.41
 1EW4,ARG_82,12.61,-0.14,0,0.25
 2X4L,LYS_220,10.02,-0.68,0,0.2
 3M70,LYS_45,12.47,-0.47,1.59,0.84
 1WXQ,ASP_315,3.46,-0.4,-0.45,0.51
 1WL,LYS_224,10.67,-0.12,0,0.3
 3GS3,GLU_99,4.18,0.69,-0.71,-0.32
 1OST,ASP_209,3.88,-0.13,0,0.21
 2OGQ,HIS_538,6.06,-0.25,0,-0.19
 3ANJ,LYS_135,10.6,-0.2,0,0.3
 2OOK,HIS_293,5.62,-1.63,0.77,-0.01
 2B6P,ARG_5,12.36,-0.14,0,0
 1WP5,HIS_81,5.79,-0.89,0.11,0.06
 3H5T,ARG_162,12.21,-0.39,0,0.1
 2H85,GLU_145,4.55,0.52,0,-0.47
 3CIV,CYS_143,11.57,-0.86,0.31,3.12
 1CBY,ARG_25,12.41,-0.09,0,0
 2ZCX,GLU_204,4.63,0.22,0,-0.08
 3U2R,TYR_18,9.72,-0.53,0,0.26
 3BA1,ARG_260,12.72,-0.12,0,0.35
 3EVN,ARG_38,12.45,-0.11,0,0.06
 1P1L,ASP_95,4.19,0,-0.01,0.4
 3SMD,GLU_59,4.23,0.4,-0.73,0.05
 3CS1,GLU_52,4.47,0.31,-0.03,-0.32
 3CNU,GLU_55,3.59,0.52,-0.85,-0.57
 3BWT,LYS_619,12.21,-0.62,1.22,1.1
 2H2W,ASP_200,3.23,-0.85,-0.32,0.59
 2F8H,ARG_38,12.28,-0.34,0,0.1
 1DTP,ASP_28,3.11,-0.85,-0.43,0.58
 2OGQ,ARG_507,12.55,-0.06,0,0.12
 2CN1,TYR_249,13.42,0.05,3.28,2.89
 1RL0,ASP_219,2.29,-1.6,-0.39,0.48
 1PBV,LYS_71,10.11,-0.33,0,-0.05
 3B4D,GLU_186,4.9,0.21,0,0.19
 1KCM,ASP_16,4.1,0,0.05,0.25
 3GMS,TYR_124,12.13,-0.79,0.03,2.88
 3F5D,LYS_192,10.79,-0.29,0,0.59
 3HVM,LYS_129,10.36,-0.25,0,0.11
 1L2F,GLU_120,4.4,0.33,0,-0.43
 1X04,TYR_57,10.21,-0.49,-0.01,0.7
 2G2D,GLU_140,3.85,1.22,-1.58,-0.29
 3NOK,ASP_150,4.28,0,0.29,0.19
 3RLN,GLU_607,4.14,0.33,-0.64,-0.04
 3GE9,GLU_138,4.51,0.22,0,-0.21
 2I6I,TYR_2,12.95,0,0.15,2.8
 2DOA,ASP_130,3.77,0,-0.3,0.27
 1YLN,ASP_152,3.87,0,-0.11,0.19
 2BLL,ARG_601,12.34,-0.16,0,0
 1T07,GLU_13,4.29,0.22,-0.42,-0.01
 3LH5,HIS_692,6.09,-0.23,0,-0.18
 1NFN,ARG_114,11.69,-1.05,0,0.25
 2CX,LYS_100,3.54,1.83,-2.4,-0.38
 1R7J,LYS_78,10.64,-0.15,0,0.29
 1R53,ASP_61,3.83,0,-0.5,0.53
 3BZT,ARG_313,12.28,-0.23,0,0.01
 1AKO,GLU_254,4.55,0.08,0,-0.03
 1I60,ARG_74,12.41,-0.57,0.12,0.37
 2Q34,ASP_194,4.18,0,0.05,0.33
 3M7G,GLU_13,4.57,0.07,0,0
 1ZCU,LYS_208,10.38,-0.46,0,0.34
 3GS3,LYS_22,10.47,-0.03,0,0
 3IRA,GLU_82,4.96,0.29,0,0.17
 2FXT,LYS_307,9.69,-1,0,0.18
 1P6F,HIS_15,5.63,-0.96,0.01,0.08
 4H86,ARG_-6,12.46,-0.04,0,0
 4DIU,GLU_12,4.18,0.34,-0.62,-0.04
 1XDZ,CYS_74,13.74,-0.08,1.04,3.78
 2I6I,ASP_47,3.63,-0.82,0.24,0.41
 1ILW,LYS_43,10.13,-0.6,0,0.23
 2PGE,ASP_92,3.82,-0.12,-0.03,0.17
 2Q98,LYS_115,10.26,-1.08,0.4,0.43
 3GV0,LYS_65,10.49,-0.05,0,0.05
 2Q5X,ASP_828,4.0,-0.03,0.23
 1CBY,ASP_147,3.58,-0.71,0,0.48
 3BQW,TYR_314,10.6,-0.74,0.09,1.26
 3ETU,GLU_78,5.1,0.53,0,0.06
 2A0J,ARG_130,12.07,-0.52,0,0.1
 3CBN,GLU_82,3.94,0.34,-0.78,-0.14
 1XWM,HIS_153,6.87,-0.37,0.0.73
 1MIX,GLU_252,2.66,0.29,-1.47,-0.66
 2EFK,LYS_150,10.59,-0.22,0.02,0.29
 3BCY,ASP_41,4.35,0,0.28,0.28
 2FBI,LYS_82,10.26,-0.24,0,0
 4DEZ,GLU_88,4.97,0.21,0,0.25
 3RFY,GLU_379,6.3,1.81,0,-0.01
 3HKX,ARG_206,11.64,-1.53,0,0.67
 2B3M,LYS_47,10.58,-0.18,0,0.26
 2F4Q,ASP_306,3.3,-0.82,-0.13,0.46
 1BYI,CYS_20,12.33,-0.07,0.67,2.72
 3JSN,ARG_270,12.51,-0.29,0,0.31
 1WNH,LYS_134,9.79,-0.31,0,-0.01
 2V4U,TYR_554,12.11,-0.33,0.55,1.9
 2XHC,ARG_326,13.3,-0.25,0.49,0.56
 3DHN,GLU_152,3.19,0.95,-1.79,-0.46
 2FGI,CYS_25,12.84,0,0.15,3.7
 3OKQ,GLU_668,4.65,0.15,0,0
 3M70,TYR_98,11.72,0.02,4.1,4.8
 3GFP,ASP_442,2.2,-1.69,-0.5,0.59
 1O0X,GLU_88,3.94,0.29,-0.74,-0.11
 3KEY,ARG_374,12.69,-0.27,0,0.45
 3O16,ASP_124,3.39,-0.15,-0.55,0.29
 1NAF,GLU_172,4.7,0.2,0,0
 3UPD,LYS_263,10.47,-0.13,0,0.1
 3GOZ,TYR_35,10.19,0,0,0.19
 1RL0,ASP_134,2.17,-1.75,-0.35,0.49
 3I0D,ARG_112,12.19,-0.34,0,0.03
 2QVO,ASP_75,3.86,0,-0.08,0.14
 1XDZ,GLU_207,4.65,0.32,-0.09,-0.08
 3M7G,TYR_30,12.2,0.05,2.1,6.9
 1EYH,GLU_125,4.45,0.23,0,-0.28
 1H09,ARG_298,12.45,-0.05,0,0
 1ES9,HIS_187,5.87,-0.29,0,-0.34
 2B3M,ARG_41,12.39,-0.22,0,0.1
 1EV8,ARG_234,13.36,-0.55,0.8,0.6
 1OST,GLU_408,5.05,0.68,0,-0.13
 3U4K,TYR_117,10.19,-0.07,-0.02,0.28
 1W7B,LYS_47,11.58,-0.33,0.85,0.55
 2ATR,GLU_97,4.59,0.09,0,0
 3FTT,ARG_39,12.29,-0.21,0,0
 3C0C,HIS_349,6.39,-0.29,0,0.19
 3CIV,GLU_263,4.85,0.52,0,-0.17
 2CXA,HIS_82,5.57,-1.04,0,0.12
 3QKY,ARG_278,12.24,-0.1,0,-0.16
 2RH3,ARG_156,13.04,-0.94,1.01,0.47
 3MIX,LYS_498,10.54,-0.24,0,0.28
 1OLR,GLU_205,7.21,2.77,-0.79,0.73
 2B78,GLU_323,4.64,0.09,0,0.05
 3M7G,TYR_149,11.33,-1.27,-0.48,3.08
 3PZ9,ASP_337,3.95,-0.85,-0.09,1.08
 4EKU,GLU_172,4.83,0.33,0,0
 1OIS,LYS_265,10.38,-0.19,0,0.17
 1XAW,LYS_433,10.39,-0.24,0,0.12
 3MIX,GLU_378,4.67,0.61,-0.1,-0.34
 1EYH,ASP_66,2.88,-1.32,-0.49,0.9
 3I0C,ARG_187,11.67,-0.95,0,0.11
 3LJC,LYS_176,10.53,-0.33,0,0.35
 3RLE,ASP_140,3.08,-0.85,-0.29,0.42
 1ZBS,ARG_259,13.4,-0.31,0.79,0.42
 1V43,ASP_37,3.82,-0.32,0.04,0.31
 3FNI,GLU_49,5.05,0.24,0,0.31
 2AXO,ARG_181,11.74,-0.77,0,0.02
 1WRU,ARG_73,12.19,-0.32,0,0.01
 2EFK,HIS_181,6.34,-0.19,0,0.04
 1MIX,GLU_293,4.12,0.3,-0.42,-0.25
 3EVN,GLU_31,4.24,0.26,0,-0.52
 2CVB,HIS_44,6.45,-1.34,0.85,0.44
 2X4L,ARG_182,13.58,-1.05,1.13,0.99
 3BQW,ARG_231,12.39,-0.51,0,0.4
 1KCM,ASP_256,3.97,0,0.0.17
 2B78,LYS_277,10.15,-0.11,0,-0.24
 2C13,ARG_98,11.43,-0.72,0,-0.35
 1DCF,TYR_66,11.76,-0.18,0.6,1.33
 2G55,ASP_4,3.07,-0.68,-0.28,0.22
 2ZTY,LYS_108,10.33,-0.17,0,0
 3O48,LYS_117,10.98,-0.36,0.4,0.43
 3GS9,ARG_123,12.76,-0.33,0,0.58
 2B2H,LYS_293,10.3,-0.2,0,0
 2BV9,ARG_33,11.8,-1.15,0,0.45
 1ZCU,ARG_29,12.44,-0.06,0,0
 1Y2Q,GLU_143,4.54,0.18,0,-0.14
 2H14,LYS_70,9.72,-1.01,0,0.23
 2Z0M,ARG_247,13.46,-0.36,0.79,0.53
 2ZCO,LYS_72,10.52,-0.18,0.19,0.02
 3HVM,GLU_221,4.3,0.54,-0.24,-0.5
 3JZ9,GLU_347,4.56,0.22,0,-0.15
 3A2Z,GLU_196,4.84,0.37,0,-0.02
 2JKF,GLU_64,4.69,0.19,0,0
 3Q6L,LYS_121,10.61,-0.13,0,0.24
 2F19,GLU_65,4.15,1.08,-1.28,-0.15
 1WNH,HIS_7,5.94,-0.44,0,-0.12
 1NWA,GLU_136,4.08,0.4,-0.61,-0.22
 3ZSL,ARG_224,13.37,-1.04,0.93,0.98
 3R1X,TYR_95,10.66,0.04,3.0,0.24
 2D7J,ARG_121,12.62,-0.26,0,0.38
 1O0X,LYS_17,10.46,-0.35,0,0.31
 3ERF,GLU_172,4.45,0.11,0,-0.16
 2FPN,LYS_187,10.27,-0.38,0,0.15
 1ZCE,ARG_89,13.44,-0.35,0.51,0.77
 3NR5,ASP_60,3.88,-0.2,0,0.28
 3IBT,CYS_209,11.16,-0.2,-0.71,3.08
 1SOH,GLU_137,4.66,0.27,-0.05,-0.06
 2EHG,LYS_89,10.36,-0.14,0,0
 2ZCO,GLU_139,3.66,2.17,-2.54,-0.47
 3BQE,GLU_312,5.42,1.63,-0.21,-0.51
 4FCU,ASP_91,4.18,0.0,18,0.2
 2B61,ARG_271,12.98,-0.55,0.53,0.5
 3ONT,HIS_125,6.13,-0.32,0,-0.05
 2GZR,LYS_46,10.43,-0.26,0,0.2
 3H6Q,TYR_157,11.59,-0.02,-0.22,1.83
 3M3P,ASP_48,4.09,0,-0.03,0.32
 1X9G,LYS_12,10.32,-0.3,0,0.13
 1YTD,ARG_318,12.47,-0.03,0,0
 1LZL,CYS_102,13.24,-0.01,0.34,3.91
 2F8H,GLU_93,4.66,0.06,0,0.1
 1C3K,LYS_49,10.43,-0.38,0,0.31
 3ASA,GLU_151,4.71,0.31,0,-0.1
 2ZCO,HIS_12,6.23,-1.39,0.85,0.27
 3ZSL,ASP_207,3.71,0,-0.29,0.19
 3TIR,ARG_97,12.42,-0.08,0,0
 2VAN,GLU_117,4.6,0.32,0,-0.21
 3JZ9,LYS_362,10.39,-0.11,0,0
 1R5S,ASP_95,13.26,-0.91,1.22,0.45
 2JEO,HIS_98,6.11,-0.54,0,0.16
 2BT8,TYR_180,10.32,-0.06,0.1,0.27
 3UC9,ASP_91,2.88,-1.56,-0.29,0.94
 1AM2,ARG_145,12.29,-0.3,0,0.09
 3O7K,GLU_104,4.53,0.15,0,-0.12
 3BB7,LYS_167,9.47,-1.15,0,0.11
 1BKB,ASP_57,1.56,-2.34,-0.49,0.59
 2OJQ,ASP_500,3.91,-0.01,-0.18,0.3
 1FKM,ASP_588,4.04,0,0.08,0.17
 2ZQ5,GLU_138,4.84,0.35,0,-0.01
 3T5B,GLU_316,4.79,0.18,0,0.11
 1YR6,HIS_240,5.96,-1.56,0.84,0.18
 4FH3,GLU_61,4.2,1.38,-1.3,-0.38
 1H4U,GLU_542,4.04,2.77,-1.43,-1.8
 3NR5,CYS_112,9.57,-0.06,0.21,0.4
 2VAN,ARG_299,12.2,-0.35,0,0.05
 1DOV,LYS_181,11.31,-0.4,0.54,0.67
 4H89,ASP_36,3.3,-0.84,-0.01,0.35
 3ONH,GLU_501,3.47,0.5,-1.15,-0.38
 3IU5,CYS_138,9.28,-0.11,-0.4,0.78
 1NAF,ARG_207,12.85,-0.21,0,0.56
 3BQE,LYS_260,11.58,-0.31,0.85,0.54
 2B0J,ASP_287,4.18,0,0.12,0.26
 2B78,ASP_358,4.29,-0.31,0,0.8
 2OBI,LYS_125,10.3,-0.17,0,-0.03
 2PGX,ASP_91,3.38,-0.83,-0.63,1.05
 1X7F,LYS_171,10.54,-0.17,0.21
 3C38,ASP_194,3.9,0,-0.33,0.43
 3BCY,TYR_123,13.67,0.82,0.58,2.27
 3IVF,ASP_264,4.38,0,0.29,0.3
 2W2S,TYR_83,12.6,0,-0.01,2.62
 1QQH,LYS_68,10.78,-0.14,0,0.41
 3UX2,GLU_153,4.88,0.38,0,0
 2R2Y,LYS_103,10.28,-0.32,0,0.1
 1FHL,LYS_107,10.39,-0.28,0,0.17
 3V1Q,ARG_629,12.63,-0.21,0.13,0.2
 1UXO,ASP_118,3.38,-0.65,-0.15,0.39
 1L3K,ARG_178,12.45,-0.41,0.09,0.27
 3GS3,LYS_121,10.16,-0.29,0,0.05
 1UXO,GLU_167,3.15,0.43,-1.44,-0.34
 1WXQ,ARG_258,11.86,-1.51,0.06,0.82
 3RFY,ASP_405,3.83,0,-0.2,0.23
 3CRM,ARG_276,12.67,-0.28,0,0.45
 2OSA,GLU_449,5.11,0.91,-0.14,-0.17
 1FHL,LYS_228,10.36,-0.14,0,0
 1JK5,LYS_175,9.71,-1.03,0,0.24
 3EVN,LYS_85,11.75,-0.28,0.76,0.76
 3U0V,HIS_20,5.44,-1.23,0.23,-0.05
 2DVK,HIS_52,5.58,-0.77,0.29,-0.44
 1O9G,HIS_207,6.14,-0.66,0,0.3
 1WP5,TYR_195,10.7,-0.09,-0.29,1.08
 1S1Y,GLU_125,3.98,0.34,-0.72,-0.14
 1SIG,LYS_426,10.36,-0.33,0,0.19
 2ZTY,HIS_40,4.91,-1.53,0,-0.06
 3RFY,ASP_114,3.74,0,-0.26,0.2
 1AT0,CYS_258,9.54,-0.8,-0.23,1.57
 2D8N,LYS_55,10.39,-0.15,0,0.05
 1W7B,ARG_295,12.99,3.11,1.41,2.18
 1RAJ,ARG_437,12.27,-0.25,0,0.02
 2JKF,GLU_146,4.78,0.34,0,-0.06
 1DZF,ARG_167,12.94,-0.2,0.05,0.59
 3E5T,GLU_175,4.69,0.38,-0.18
 2QV2,ARG_57,13.38,-0.53,0.74,0.66
 2CIU,LYS_193,10.5,0,0,0
 2H2Z,TYR_126,12.73,-0.85,0.86,2.7
 2R05,LYS_78,11.82,-0.37,0.92,0.77
 2BQQ,ASP_130,4.15,-0.83,-0.05,1.23
 1Y46,LYS_136,10.25,-0.41,0,0.17
 1Q2Q,CYS_127,10.08,0.28,0.8
 2BAA,HIS_206,7.18,-0.36,0.87,0.18
 3LQE,TYR_250,10.28,0,0,0.28

1GXN,LYS_501,10.39,-0.15,0,0.04
 1QQL,TYR_74,11.85,0.29,0.64,0.92
 3EVN,HIS_237,4.41,-1.61,0,-0.48
 3RHE,TYR_11,12.53,0.05,-0.15,2.63
 2ZCO,LYS_35,10.5,-0.63,0,0.62
 3G6S,ARG_116,12.32,-2.04,0.31,1.55
 1E59,HIS_91,6.21,-0.3,0,0.02
 2HRZ,ARG_273,13.47,-0.33,0.69,0.62
 3C38,HIS_74,6.54,-0.58,0.34,0.28
 2Q13,ARG_299,12.11,-0.68,0,0.29
 3M66,LYS_246,9.75,-0.41,0,-0.35
 1MTZ,TYR_19,9.94,-0.78,-0.31,1.03
 1NUJ,CYS_66,12.84,0.53,0.86,2.45
 3GFP,ARG_463,13.6,-0.32,0.72,0.7
 1OST,TYR_214,10.28,0,0.01,0.27
 3BCH,ARG_80,12.07,-1.23,0.19,0.6
 3CZC,GLU_43,3.7,0.25,-1.05,0
 1AKO,ARG_216,12.96,-0.32,0.23,0.56
 2VGM,TYR_113,10.12,0,-0.04,0.16
 2FG1,LYS_87,10.38,-0.16,0,0.04
 4ETX,CYS_446,11.27,0,-0.09,2.36
 2E3C,ARG_290,12.21,-0.44,0,0.15
 3UPD,GLU_89,4.87,0.26,0,0.12
 1W24,LYS_30,10.34,-0.16,0,0
 1AK1,LYS_188,10.46,-0.24,0,0.19
 3EZ7,HIS_323,6.31,-0.21,0.17,-0.14
 3BPV,ARG_124,13.19,-0.29,0.22,0.74
 2OEW,CYS_231,10.98,0,0.01,1.97
 3FNI,HIS_154,5.7,-0.26,0,-0.55
 4GCO,ARG_252,12.48,-0.12,0,0.1
 1WRU,ARG_158,11.1,-1.15,0,-0.25
 2QV2,ARG_327,12.58,-0.41,0,0.49
 3IBT,GLU_15,2.75,0.76,-1.67,-0.84
 1TP6,ARG_70,12.41,-0.08,0,-0.02
 1PNE,GLU_82,4.81,0.29,-0.01,0.04
 3G9T,LYS_281,10.15,-0.46,0,0.12
 3CZC,GLU_83,2.5,0.66,-2.26,-0.39
 4DBX,CYS_34,11.73,0,0.09,2.65
 3IL3,ASP_147,3.89,-0.49,-0.07,0.65
 1AK1,ASP_42,3.59,-0.35,-0.3,0.43
 3UC9,GLU_124,4.52,0.16,0,-0.15
 1WXQ,GLU_380,3.87,0.5,-0.8,-0.33
 1LTU,TYR_155,12.97,-0.85,0,3.82
 4F85,ARG_238,12.35,-0.1,0,-0.06
 1ZBM,GLU_189,4.59,0.21,0,-0.13
 3NBI,GLU_193,4.88,0.28,0,0.1
 3T5B,ARG_327,13.1,-0.39,0.31,0.67
 2X5Y,GLU_811,4.44,0.22,0,-0.28
 1R2Z,ASP_101,2.66,-1.58,-0.05,0.49
 3CZC,GLU_63,3.11,0.27,-1.01,-0.64
 4E8B,TYR_210,11.14,0.45,0.34,0.36
 4FH3,ARG_73,12.15,-0.74,0,0.39
 3ZRI,LYS_146,10.41,-0.09,0,0
 3U2A,LYS_77,11.38,-0.28,0.85,0.31
 2P5D,LYS_80,11.17,-0.21,0.52,0.35
 3EVP,ASP_291,3.32,-0.34,-0.35,0.2
 1YOY,HIS_15,6.31,-0.17,0,-0.02
 1YTD,ARG_260,12.76,-0.49,0.46,0.29
 3EIZ,LYS_122,10.44,-0.21,0,0.14
 2FPN,TYR_92,10.22,-0.19,-0.45,0.86
 1OOX,GLU_158,4.12,0.32,-0.27,-0.43
 2YX0,LYS_256,10.75,-0.24,0,0.48
 4ESS,GLU_82,3.89,0.46,-1.12,0.05
 2QK1,LYS_427,10.38,-0.13,0,0.01
 3OOP,GLU_76,4.54,0.15,0,-0.11
 4E8B,LYS_60,10.48,-0.05,0,0.03
 1ZBM,GLU_118,4.62,0.22,0,-0.1
 3BPP,ARG_156,12.17,-3.55,1.18,2.03
 1OI7,LYS_285,10.4,-0.1,0,0
 3I82,ARG_15,12.39,-0.11,0,0
 2YX0,GLU_113,3.75,1.31,-1.65,-0.41
 2F9F,ASP_154,3.6,-0.3,-0.21,0.29
 1PSW,ARG_303,12.34,-0.33,0,0.17
 1T95,GLU_96,4.21,0.22,-0.52,0
 350A,LYS_82,10.64,-0.17,0,0.3
 2AXO,LYS_43,11.57,-0.33,0.7,0.7
 4DIU,HIS_22,2.36,-3.78,0.75,-1.11
 3H5T,ARG_224,10.96,-3.69,0,2.15
 3RJX,TYR_97,10.32,0,-0.09,0.41
 2OKT,GLU_13,5.3,1.03,-0.22,0
 2D7U,GLU_86,3.88,0.33,-0.58,-0.37
 1ILW,GLU_131,4.92,2.02,-1.98,0.39
 3F5D,TYR_128,11.46,0,0.39,1.07
 2EYI,LYS_84,10.44,-0.09,0,0.04
 2P1W,GLU_189,4.62,0.13,0,-0.01
 1QZN,ARG_152,12.18,-0.38,0,0.06
 2CVB,CYS_42,11.55,-1.61,0.83,3.34
 1E5S,HIS_76,6.22,-0.57,0,0.3
 2CL3,GLU_55,4.1,1.19,-0.85,-0.75
 3UC9,CYS_61,11.66,0.04,2.21
 2INO,GLU_426,4.71,0.27,0,-0.06
 1YR6,TYR_124,10.5,0.04,1,0.09
 2WB8,TYR_688,13.94,-0.69,0.25,4.39
 3VJ8,LYS_311,10.12,-0.39,0,0.01
 1N81,GLU_116,4.68,0.12,0,0.06
 2WB8,LYS_672,10.2,-0.33,0,0.03
 1SIG,ASP_278,3.49,-0.23,-0.42,0.34
 3RUX,CYS_125,12.6,-0.13,-0.02,3.75
 4ECC,GLU_34,4.6,0.38,-0.21,-0.07
 2FXT,GLU_421,4.91,1.28,-0.13,-0.75
 2ZQ5,GLU_298,3.29,0.58,-1.37,-0.41
 3BQW,TYR_328,10.8,0,0.45,0.35
 3ELI,ASP_115,3.76,-0.35,-0.75,1.06
 3UPD,LYS_47,10.49,-0.29,0,0.28
 1NJ4,TYR_25,11.23,0,-0.19,1.41
 1MUF,LYS_195,9.72,-0.43,0,-0.35
 1HUF,GLU_52,3.37,1.96,-2.75,-0.35
 3GV0,ASP_213,2.49,-1.23,-0.54,0.46
 2F19,GLU_57,4.71,0.11,0,0.1
 3NZL,LYS_74,10.16,-0.37,0,0.04
 2GKD,HIS_87,6.11,-0.3,0,-0.09
 1RKA,HIS_113,6.37,-0.32,0,0.19
 3LJI,GLU_265,4.05,0.26,-0.84,0.13
 1X9G,GLU_29,4.35,0.13,0,-0.28
 1ZBS,CYS_70,11.63,-0.09,0.23,2.5
 2AH5,HIS_200,6.86,-0.28,0.45,0.19
 3B7X,ARG_103,12.42,-0.31,0,0.23
 1WXQ,GLU_129,4.88,0.23,0,0.15
 1SI7,ASP_315,3.76,-0.09,-0.14,0.19
 2ZCO,ARG_85,12.76,-0.48,0.06,0.69
 2AXO,GLU_260,4.98,0.64,0,-0.15
 1NAR,GLU_132,4.52,1.97,-0.8,-1.14
 1R3F,TYR_312,10.44,0,-0.05,0.49
 1O5J,GLU_50,3.64,1.27,-2.37,0.24
 4F8A,CYS_602,10.96,0.02,0.58,1.36
 3C2E,CYS_207,11.69,0,0.34,2.34
 3BPV,ARG_117,12.33,-0.27,0,0.11
 3HVM,GLU_255,5.01,0.66,0,-0.14
 1Q8B,ASP_86,3.22,-0.32,-0.7,0.45
 3L7N,LYS_75,10.44,-0.12,0,0.06
 1O6D,ARG_27,12.33,-0.38,0,0.21
 3DTE,ARG_195,12.21,-0.36,0,0.07
 2W0Z,LYS_518,10.61,-0.15,0,0.27
 2W1R,ASP_129,3.87,0,-0.09,0.15
 2YLF,GLU_154,5.18,0.24,0.09,0.36
 3HNU,ARG_8,13.03,-0.5,0.73,0.29
 1WRU,ASP_144,3.69,0,-0.36,0.25
 2C2Y,TYR_152,10.18,-0.79,0.18,0.79
 1F09,ARG_312,12.27,-3.5,1.52,1.75
 1YOY,GLU_108,4.56,0.06,0,0
 2J8A,LYS_357,9.96,-0.58,0,0.04
 2RJD,GLU_245,6.47,4.15,-2.14,-0.04
 2V4U,HIS_355,6.94,-0.33,0.6,0.16
 2W0Z,GLU_523,4.76,0.51,0,-0.25
 2BV9,HIS_289,6.27,-0.14,0,-0.1
 3LQE,LYS_540,10.47,-0.03,0,0
 2FZ4,TYR_160,10.65,0.36,0.29
 1GPP,GLU_121,4.65,0.15,0,0
 2D2S,LYS_725,10.4,-0.1,0,0
 1VJG,ASP_24,1.48,-3.43,-0.48,1.59
 1FHL,TYR_325,11.97,0.088,1.1
 2ATR,TYR_99,10.08,0,0.08
 2V1L,ASP_47,2.05,-2.39,0,0.65
 3K85,GLU_289,4.34,1.2,-0.85,-0.51
 2BV9,LYS_249,9.67,-0.85,0,0.01
 2AHE,GLU_153,3.94,0.31,-0.83,-0.05
 3HST,TYR_286,10.87,0.26,0.61
 3CRM,GLU_55,3.85,0.22,-0.78,-0.1
 3JV1,ARG_117,11.89,-1.37,0,0.76
 3H6Q,GLU_138,4.77,0.18,0,0.08
 3HVV,ARG_229,11.91,-0.73,0,0.14
 3Q6L,LYS_97,10.57,-0.15,0,0.21
 3M16,TYR_217,12.13,0.072,1.41
 2F4Q,ASP_185,3.2,-1.09,-0.13,0.62
 2AZP,HIS_1,6.91,-0.14,0.55,0
 2R57,GLU_187,4.65,0.15,0,0
 2AXO,GLU_99,4.74,0.35,0,-0.11
 1F2V,ARG_89,11.76,-1.32,0.13,0.45
 3O7K,GLU_57,4.74,0.24,0,0
 1TUL,GLU_20,4.64,0.1,0,0.04
 1Q5Z,GLU_597,3.67,0.18,-0.63,-0.38
 2G3A,ASP_10,4.07,0,0.27
 1MN3,GLU_408,4.61,0.43,-0.33,0
 3C0C,GLU_341,4.07,0.14,-0.76,0.19
 2FZ4,GLU_200,6.18,2.07,-0.03,-0.35
 1ABQ,GLU_248,4.71,0.11,0,0.11
 3M7D,ARG_148,11.57,-3.01,0.01,2.05
 2AXO,ASP_81,3.32,-1.01,-0.22,0.74
 2W0G,TYR_189,12.84,0.85,0.5,1.48
 2QEV,LYS_107,10.07,-0.47,0,0.03
 2EHG,CYS_10,10.29,-0.58,0.04,1.83
 1SOH,ARG_246,12.4,-0.28,0.13,0.05
 3QKY,TYR_45,11.93,0.25,1.68
 1UXO,HIS_18,5,-1.76,0,0.26
 2RJD,LYS_298,10.41,-0.26,0,0.17
 2QDJ,LYS_236,10.26,-0.46,0,0.22
 1MD6,ASP_50,2.55,-1.55,0,0.3
 3NR5,GLU_74,4.75,1.04,-0.79,0
 2QVO,GLU_24,4.91,0.73,-0.27,-0.06
 3BWT,ARG_872,12.22,-0.28,0,0
 2FXT,LYS_380,10.22,-0.34,0,0.05
 3GT0,LYS_62,10.42,-0.11,0,0.03
 3H9W,GLU_70,4.83,0.2,0.12
 2FD5,ARG_126,12.51,-0.23,0,0.25
 2G3A,LYS_91,11.19,-0.25,0.39,0.55
 3Q1C,HIS_255,6.51,-0.24,0,0.26
 2D59,ARG_65,12.5,-0.73,0.17,0.55
 2Z61,LYS_343,10.67,-0.13,0,0.3
 2FXT,ASP_361,4.06,0,0.26
 1D7O,LYS_182,9.9,-0.54,0,-0.06
 1LPL,CYS_203,10.5,0,0.04,1.47
 3LJN,GLU_147,4.52,0.02,0,0
 2B2H,LYS_113,10.26,-0.34,0,0.11
 4GA2,ASP_43,3.83,0,-0.22,0.25
 3T5B,LYS_53,10.93,-0.21,0,0.64
 3GYW,TYR_62,10.18,0.03,0.15
 3NR5,LYS_35,10.17,-0.32,0,-0.01
 3M7G,TYR_107,11.47,-0.74,0.28,1.94
 3F6F,GLU_43,4.06,0.31,-0.74,-0.01
 3N0K,HIS_93,5.07,-0.98,0,-0.45
 1NAR,GLU_168,4.25,0.7,-0.81,-0.14
 1R16,GLU_215,4.92,0.26,0,0.16
 1BN6,TYR_25,10.2,-0.04,-0.37,0.6
 1LFP,GLU_178,3.96,0.31,-0.63,-0.22
 3U2A,GLU_117,3.75,0.37,-0.79,-0.32
 2CL3,GLU_200,4.02,0.37,-0.85,0
 1OTM,LYS_209,10.27,-0.12,0,-0.1
 2E3H,LYS_280,10.42,-0.28,0,0.21
 1ZP2,GLU_24,4.61,0.14,0,-0.03
 3RLN,ASP_619,3.98,0,0.19
 3IRA,HIS_58,6.57,-0.2,0.02,0.27
 2QHT,GLU_98,3.92,0.24,-0.44,-0.38
 3LD1,GLU_318,4.77,0.27,0,0
 2AXO,HIS_265,6.37,-0.13,0,0
 3RVC,LYS_110,10.35,-0.15,0,0
 3DTE,ARG_150,13.32,-0.38,0.7,0.5
 2G5S,ASP_176,4.51,0,-0.1,0.81
 1YW5,GLU_159,4.96,3.78,-2.3,-1.03
 3U2R,ASP_67,3.92,0,-0.05,0.16
 2HRZ,CYS_190,12.11,-0.61,-0.08,3.79
 3ADO,CYS_252,9.47,0.06,0.41
 1WXF,LYS_138,10.27,-0.39,0,0.16
 3PM2,LYS_169,10.15,-0.27,0,-0.07
 3IOO,LYS_151,11.32,-0.27,0.85,0.23
 3JRT,TYR_116,9.99,0,-0.25,0.24
 3EOD,ARG_76,12.51,-0.37,0,0.38
 3UV9,ASP_302,2.66,-1.45,0.31
 3JV1,GLU_54,4.7,0.2,0,0
 3LQE,GLU_494,4.97,1.06,-0.4,-0.18
 1J8B,ASP_56,3.86,0,-0.18,0.24
 2W0G,GLU_272,4.7,0.24,0,-0.05
 1R3F,ARG_201,13.69,-1.02,1.29,0.92
 1SI7,ARG_269,13.48,-0.39,0.96,0.4
 2Y2T,GLU_40,4.59,0.31,0,-0.21
 1NJ4,LYS_325,10.36,-0.15,0,0
 1ZP2,GLU_193,4.57,0.07,0,0
 2RIK,ASP_110,3.84,0,-0.28,0.33
 1AKO,GLU_71,4.72,0.17,0,0.05
 2ILR,HIS_533,6.37,-0.2,0,0.07
 1NFN,TYR_74,10.92,-0.04,0.17,0.78
 2G7O,GLU_116,4.72,0.22,0,0
 2QRX,ARG_98,11.96,-1.26,0.2,0.51
 3PP8,ASP_235,3.3,-0.99,0,0.49
 1QYI,GLU_244,6.97,2.47,0,0
 2QZQ,ASP_80,3.91,-0.02,0,0.13
 1EV8,HIS_37,6.5,-0.17,0,0.17
 1FKM,ASP_614,3.03,-1.09,-0.13,0.46
 1OTM,ASP_156,3.29,-0.96,0.05,0.39
 3CJW,GLU_393,4.76,0.59,-0.09,-0.24
 3FTT,ASP_187,3.86,0,-0.04,0.1
 3RUX,GLU_144,5.36,0.93,-0,-0.08
 2Z84,ARG_123,12.25,-0.26,0,0.01
 3M7D,ASP_121,4.42,0.05,0.31,0.25
 3IU5,CYS_50,11.31,-0.02,0.17,2.17
 3RLE,LYS_159,10.18,-0.41,0,0.09
 3FWU,CYS_59,9.82,0,-0.37,1.19
 1MTZ,TYR_106,13.83,0.74,3.1
 2EEY,GLU_39,3.52,0.28,-0.84,-0.41
 1DVO,GLU_159,4.0,35,-0.83,-0.02
 3G53,GLU_81,4.18,0.4,-0.31,-0.41
 2OKT,LYS_266,11.16,-0.3,0.47,0.48
 1X7F,GLU_12,4.06,0.9,-1.14,-0.2
 4FH3,LYS_243,10.16,-0.32,0,-0.02
 1R3D,GLU_216,4.23,0.34,-0.61,0
 2G9D,ASP_271,3.61,-0.01,-0.49,0.32
 1QYI,LYS_346,10.48,-0.13,0,0.11

2VGY,CYS_79,11.24,-0.07,-0.03,2.34
 1WPA,ASP_465,4.24,0.0,19.0,24
 2A6B,GLU_196,4.5,0,0,0
 1BKB,GLU_112,3.77,0.28,-0.97,-0.03
 1PGV,GLU_375,4.93,0.24,0,0.19
 1MML,ARG_71,12.75,-0.4,0.03,0.63
 3I47,GLU_226,4.61,0.12,0,-0.01
 3B21,LYS_25,10.36,-0.11,0,-0.03
 3US6,GLU_131,4.53,0.52,0,-0.5
 3CJW,LYS_301,10.97,-0.44,0.85,0.07
 2C2Y,CYS_190,9.46,-1.1,0,1.56
 2F4Q,ASP_197,4.08,0,-0.02,0.3
 2GZQ,ASP_68,3.98,0,-0.07,0.24
 1UJ8,LYS_63,10.42,-0.08,0,0
 1BN6,CYS_187,11.91,0.0,27.2,64
 2DFL,LYS_205,10.09,-0.72,0,0.31
 2GZR,TYR_51,13.99,0,0.09,3.9
 3KT9,GLU_23,4.63,0.15,0,-0.02
 2Q13,ARG_149,12.41,-0.09,0,0
 3ZTA,GLU_84,5.09,0.62,0,-0.02
 1AKO,ARG_142,12.38,-0.23,0,0.1
 3IBT,HIS_165,3.53,-2.76,0,-0.2
 2FG1,LYS_105,11.12,-0.43,0.85,0.2
 1NKD,ASP_48,2.41,-1.1,-0.8,0.51
 1XEU,ASP_49,3.5,-2.22,0,1.92
 3ASA,LYS_105,10.17,-0.27,0,-0.06
 3IPZ,ASP_93,3.81,0,-0.27,0.28
 3EVZ,ASP_150,3.76,-0.8,-0.02,0.79
 1V43,GLU_160,3.26,1.06,-1.21,-1.1
 2B2H,GLU_297,7.57,4.7,-1.75,0.11
 2CN1,LYS_72,10.43,-0.09,0,0.02
 3K8J,LYS_144,12.33,0,-0.06,3.38
 3LPZ,TYR_285,11.55,0,0,1.55
 1X04,GLU_176,4.44,0.61,-0.52,-0.15
 3RLN,LYS_713,10.97,-0.23,0.29,0.4
 3LJN,LYS_298,9.93,-0.67,0,0.1
 1TJE,ASP_209,3.22,-0.92,0,0.34
 4E8B,GLU_196,4.53,0.16,0,-0.13
 2Q34,TYR_82,11.6,-0.11,-0.05,1.76
 1QQH,TYR_160,13.51,0.83,1.11,1.56
 3N2T,LYS_219,10.25,-0.22,0,-0.03
 3F53,TYR_49,10.34,-0.03,0.04,0.33
 2VGY,ASP_66,4.15,-0.24,0.08,0.51
 3P51,TYR_124,11.13,0,0.19,0.95
 3F1X,GLU_193,9.92,0.24,-0.82,0
 2E3H,LYS_224,9.77,-0.62,0,-0.1
 2BLL,TYR_378,9.6,-0.27,-0.38,0.25
 2VAN,ASP_92,3.77,-0.04,-0.1,0.11
 1PVT,ARG_35,13.33,-0.29,0.23,0.89
 3EYE,ASP_132,3.05,-1.97,-0.2,1.41
 1TLV,TYR_265,10.97,-0.48,-0.4,1.85
 3T8R,ARG_56,12.2,-0.24,0,-0.05
 1GQE,ARG_200,12.01,-0.47,0,-0.02
 3A7L,LYS_103,9.72,-0.98,0.01,0.2
 3BCH,TYR_202,12.59,0,0,2.59
 2CWC,TYR_83,12.05,-0.02,-1.22,3.3
 3CAN,HIS_37,6.25,-0.38,0,0.13
 2J8A,TYR_300,13.39,0,0.27,3.11
 1GXN,LYS_348,10.16,-0.37,0,0.02
 1LZL,TYR_33,11.91,-0.12,0,1.1,93
 2B0A,ARG_99,12.85,-0.29,0.16,0.49
 3HYQ,TYR_99,11.04,0,0.38,0.67
 2X4L,ASP_113,4.08,0,0.15,0.13
 3EVN,ASP_314,3.41,-0.69,-0.64,0.93
 3LJC,ARG_164,12.25,-0.42,0,0.17
 2A6B,LYS_23,10.43,-0.08,0,0.01
 2BAA,ARG_240,12.39,-0.11,0,0
 3BQW,LYS_178,10.78,-0.19,0,0.47
 3UX2,GLU_34,4.72,0.18,0,0.04
 3R2E,TYR_18,10.21,0.0,0.08,0.12
 2EFK,GLU_112,3.13,0.62,-1.29,-0.71
 4ESS,LYS_150,10.44,-0.06,0,0.01
 3A7L,ASP_56,3.54,-0.59,0.11,0.23
 2G7O,GLU_127,4.73,0.23,0,0
 2XHC,ARG_86,13.25,-0.22,0.62,0.35
 2PLQ,TYR_151,10.04,-0.4,-0.12,0.57
 1A8Q,HIS_59,6.41,-0.33,0,0.24
 1P4X,LYS_55,12.25,-0.75,1.45,1.05
 3RVC,GLU_159,4.07,1.75,-1.39,-0.8
 1TUL,ARG_108,12.49,-0.24,0,0.23
 3GG6,LYS_133,10.46,-0.04,0,0
 1R53,TYR_13,10.15,-0.85,0.18,0.81
 2VGM,ASP_225,4.13,0,-0.04,0.38
 3TOW,ARG_98,12.29,-1.1,0.02,0.87
 4AM1,LYS_29,11.93,-0.32,0.98,0.76
 2I88,TYR_445,13.0,0.86,2.14
 3RFF,GLU_30,4.11,0.42,-0.5,-0.31
 4FZN,TYR_54,13.21,0.0,25.2,97
 3TOW,ASP_77,3.1,-1.25,-0.26,0.82
 2BDD,LYS_153,10.27,-0.29,0,0.05
 3T5B,ASP_387,3.08,-1.06,-0.5,0.83
 1PVS,GLU_141,3.64,1.29,-1.55,-0.6
 2CN1,CYS_23,9.45,0.11,0.34
 3FRR,LYS_127,9.68,-0.78,0,-0.04
 4EKU,ARG_93,12.54,-2.04,0.46,1.62
 3FHF,LYS_60,10.25,-0.19,0,-0.06
 1J8B,GLU_67,4.6,0.1,0,0
 2GZR,TYR_132,10.3,0,-0.16,0.45
 3ZRI,CYS_28,11.07,0.0,0.03,2.03
 1R53,ARG_62,12.41,-0.09,0,0
 2PWQ,GLU_17,3.74,0.32,-0.71,-0.37
 1C3K,HIS_57,6.34,-0.38,0,0.21
 3GA2,ARG_27,12.4,-0.29,0,0.2
 3G9G,GLU_236,3.76,0.72,-1.15,-0.32
 4H4J,ASP_49,3.29,-0.41,-0.27,0.17
 1QYI,TYR_295,11.19,0.0,0.01,1.18
 3JZ9,TYR_532,10.0,0,0
 1ZCU,ASP_224,2.55,-1.33,-0.35,0.44
 4FCU,GLU_195,4.54,0.73,-0.25,-0.44
 2ZCX,GLU_43,4.56,0.23,0,-0.17
 3MIX,ASP_357,3.05,-1.06,0,0.31
 1T6L,ASP_98,3.86,0,-0.12,0.19
 2V5B,TYR_87,10.16,0,-0.31,0.47
 2V1L,ASP_141,3.95,0,-0.16,0.31
 1YB2,ASP_57,3.47,-0.52,-0.41,0.6
 2CW4,ASP_79,3.87,-0.22,-0.09,0.38
 3A0X,ARG_648,13.82,-0.68,1.49,0.52
 3H5T,HIS_254,6.11,-0.7,0.031
 3I0O,ASP_182,3.88,-0.71,0,0.79
 3IL3,ASP_27,3.7,0,-0.24,0.14
 3H5T,GLU_39,4.27,0.17,-0.39,-0.01
 1WNH,TYR_146,10.5,0,-0.05,0.55
 1WXF,CYS_201,10.86,0,-0.05,1.92
 2P65,ASP_28,3.88,0,-0.12,0.21
 1YM5,GLU_271,3.67,0.41,-0.85,-0.4
 1UOH,TYR_138,10.29,0,0.14,0.15
 3G65,CYS_114,8.93,-0.31,-0.34,0.58
 3HKX,ARG_280,12.58,-0.09,0,0.17
 2B7H,ASP_271,3.57,-0.9,-0.02,0.69
 1ZHV,ASP_60,2.29,-1.76,-0.38,0.63
 3PBH,ARG_8,13.19,-1.29,1.11,0.87
 2OYZ,GLU_34,3.92,0.36,-0.84,-0.1
 3RFY,LYS_179,10.54,-0.26,0,0.3
 4DNU,ASP_107,3.66,-0.84,-0.07,0.77
 2B3M,GLU_13,4.41,0.19,0,-0.27
 1GPP,GLU_80,4.71,1,-0.64,0.15
 3HKX,TYR_135,10.95,0.65,0.29
 2P1W,ARG_65,12.92,-0.4,0,0.82
 3K8J,TYR_101,11.37,-1.04,0.06,2.35
 1MML,LYS_102,10.42,-0.08,0,0
 2I88,ASP_509,2.64,-0.96,-0.58,0.38
 1EQ6,ASP_99,3.2,-0.89,-0.11,0.4
 1PBV,LYS_77,12.4,-0.45,1.38,0.98
 1MTZ,GLU_172,4.23,0.34,-0.3,-0.3
 1XIP,ASP_69,4.12,0,-0.13,0.44
 1XTZ,HIS_264,6.57,-0.21,0,0.28
 1R16,HIS_211,7.23,-0.22,0.53,0.41
 4FZN,LYS_119,10.18,-0.31,0,0
 2H01,GLU_47,4.93,1.8,-0.83,-0.53
 3FHF,HIS_4,6.4,-0.1,0,0
 1AD6,TYR_529,10.66,0.0,39.0,27
 2B78,ASP_189,3.76,0,-0.53,0.49
 1S7K,ARG_135,13.39,-0.41,0.64,0.67
 3L3P,GLU_398,4.7,0.15,0,0.05
 1SIG,TYR_143,11.91,0.0,18.1,73
 3QYB,HIS_978,4.81,-1.91,0.1,0.12
 3M7D,ARG_241,12.72,-0.12,0,0.33
 2O8I,HIS_17,6.77,-0.25,0.3,0.22
 3PP8,ARG_89,11.91,-0.67,0,0.07
 2G3A,ARG_90,13.52,-0.41,0.75,0.68
 1OLR,ARG_75,12.49,-0.56,0.2,0.36
 3HUE,GLU_189,4.04,0.44,-0.84,-0.07
 1X6J,ARG_83,12.51,-0.76,0.5,0.26
 3RKV,ARG_325,12.82,-0.37,0.09,0.6
 3F53,TYR_191,10.35,0.0,0.3,0.32
 2H8O,ARG_246,12.39,-0.35,0,0.24
 3CX5,GLU_175,4.45,0.11,0,-0.16
 1R29,ARG_26,12.2,-1.71,0.68,0.73
 2RIS,GLU_10,4.71,0.16,0,0.05
 1OXZ,ARG_214,12.2,-0.63,0.01,0.33
 1PVT,LYS_110,10.6,-0.18,0,0.28
 1ZBP,GLU_99,4.53,0.16,0,-0.13
 3KT9,LYS_53,10.83,-0.12,0,0.46
 1GPP,GLU_22,4.68,0.14,0,0.04
 2CN1,LYS_51,10.62,-0.1,0,0.22
 1XIP,GLU_85,4.77,0.24,0,0.04
 1WNH,LYS_217,10.46,-0.18,0,0.13
 1WPA,GLU_470,4.1,0.31,-0.71,0
 1WLY,TYR_275,10.32,-0.85,0.05,1.13
 1L3K,ASP_123,3.83,0,-0.29,0.32
 3F6M,ARG_144,12.71,-0.32,0.2,0.33
 2CXY,ARG_22,12.28,-0.32,0.1
 3A2Z,LYS_177,10.83,-0.23,0.1,0.46
 2V4U,GLU_343,5.08,1.29,-0.7,-0.01
 2IXM,ARG_69,12.58,-0.13,0,0.21
 1YR6,CYS_242,9.33,-0.27,0.1,0.51
 3KT9,CYS_40,10.94,-0.09,-0.03,2.06
 1ZBM,TYR_67,12.31,-0.1,-0.03,2.43
 3ANJ,LYS_16,10.4,-0.1,0,0
 4E6S,HIS_9,6.41,-1.18,0.85,0.24
 1LTU,HIS_138,3.76,-2.95,0,0.21
 3E7P,CYS_201,11,-0.65,0.15,2.51
 3LD1,GLU_17,4.03,0.47,-0.78,-0.15
 1TUL,ARG_54,12.92,-0.24,0.18,0.48
 1TD6,GLU_39,4.64,0.07,0,0.07
 1PVT,GLU_179,4.59,0.27,0,-0.18
 2O0K,ARG_104,12.45,-0.05,0,0
 1QQE,GLU_288,4.81,0.46,-0.47,0.3
 1ZBS,ASP_221,3.24,-0.79,-0.58,0.8
 2V5B,TYR_224,12.11,0,0.2,1.9
 3JZN,GLU_337,4.54,0.07,0,-0.02
 1XWM,ASP_115,3.66,-0.44,0,0.3
 4FLE,TYR_160,13.57,-0.85,0.92,3.51
 2V1L,TYR_82,10.34,0,0.01,0.33
 1EDG,HIS_176,6.47,-0.51,0.21,0.27
 2P52,GLU_201,2.88,0.52,-1.66,-0.48
 1P6FLYS_52,10.19,-0.16,0,-0.14
 1T6L,GLU_270,4.78,0.12,0,0.16
 2Z84,ARG_49,13.89,-0.48,1.44,0.43
 2QK1,LYS_531,10.4,-0.14,0,0.04
 1LN4,HIS_43,6.06,-0.23,0,-0.21
 1E5S,CYS_98,11.44,-0.57,-0.43,3.44
 3M3P,GLU_230,2.91,0.8,-1.66,-0.72
 4HDE,CYS_69,7.49,-3.00,1,1.49
 4DIU,GLU_235,4.77,0.43,0,-0.16
 1DTO,LYS_14,11.31,-0.6,0.85,0.55
 1KCM,GLU_248,5.45,0.91,0,0.05
 1SNT,TYR_91,10.59,0,0.02,0.57
 3HNX,TYR_3,12.87,0.0,0.09,2.77
 3LPZ,ARG_11,12.14,-0.29,0,-0.06
 2DFL,ARG_72,12.58,-0.09,0,0.17
 4AM1,GLU_73,3.35,0.53,-1.68,0
 2E0T,TYR_70,11.16,0,0.41,0.75
 1YTD,ARG_142,11.77,-0.63,0,-0.11
 2B0J,GLU_125,4.55,0.29,0,-0.25
 3IRA,GLU_165,4.53,0.3,0,-0.27
 3OOP,GLU_110,4.9,0.17,0,0.22
 3TOW,ASP_74,2.01,-1.83,-0.4,0.44
 2OHT,TYR_63,10.71,-1.07,0.01,1.77
 3GS3,ASP_114,3.39,-1.59,-0.47,1.65
 2Q99,LYS_193,10.23,-0.26,0,-0.01
 3RJJ,LYS_116,10.46,-0.12,0,0.09
 2GEN,HIS_21,6.32,-0.33,0,0.14
 2IDC,TYR_101,11.76,-0.2,0.51,1.45
 3M7D,GLU_375,6.34,1.65,0,0.18
 3H04,HIS_234,6.01,-0.45,0,-0.04
 3CJW,ARG_246,12.51,-0.35,0.09,0.27
 2OKT,GLU_315,4.55,0.09,0,-0.03
 1J74,ASP_38,4.22,0.0,11.0,31
 3RKV,GLU_277,4.28,0.31,0,-0.53
 3BZT,ARG_338,12.44,-0.12,0,0.06
 2B0A,ARG_138,13.2,-0.38,0.72,0.36
 3ZTA,ASP_64,2.99,-0.62,-0.56,0.36
 2Z0M,ARG_77,12.59,-1.08,0.75,0.42
 2R0S,LYS_174,11.31,-0.39,0.49,0.7
 1BKR,TYR_19,11.35,0,0,1.35
 1SIG,ARG_157,12.46,-0.24,0,0.21
 1P1L,LYS_25,10.53,-0.11,0,0.15
 3R87,HIS_51,6.45,-0.27,0,0.22
 3M7D,ARG_144,13.09,-2.78,0.71,2.65
 3E27,HIS_138,6.18,-0.32,0,0
 3BQW,LYS_290,10.29,-0.25,0,0.05
 1SFE,GLU_30,4.16,1.63,-1.28,-0.69
 2FBI,GLU_17,3.68,0.33,-0.73,-0.42
 1J85,LYS_61,10.64,-0.11,0,0.24
 2V4U,HIS_330,6.19,-0.73,0.8,-0.37
 2O0K,CYS_257,12.89,0.07,3.82
 3ONH,ARG_484,13.01,-0.62,0.81,0.32
 1NJ4,LYS_6,10.56,-0.2,0,0.25
 2GAU,GLU_27,4.9,0.18,0,0.22
 3CX5,GLU_106,3.12,0.58,-0.85,-1.11
 3H13,ASP_325,3.36,-0.84,-0.03,0.44
 1AKO,ASP_208,3.54,-0.21,-0.38,0.33
 2IF4,TYR_202,12.33,-0.62,0.52,2.42
 3SMD,TYR_139,12.72,0.0,0.06,2.66
 1NIJ,ASP_52,3.97,-0.01,-0.01,0.2
 2GAU,ARG_183,11.64,-0.9,0,0.03
 1X91,ASP_57,3.26,-0.82,-0.07,0.35
 4ACJ,GLU_732,4.88,0.33,-0.08,0.13
 2WB3,ASP_291,3.64,-0.42,-0.22,0.48
 3JSN,GLU_271,4.63,0.22,0,-0.09
 3H6Q,TYR_64,10.81,-0.19,-0.04,1.05
 3IVF,ARG_303,12.46,-0.59,0.08,0.47
 4GCO,TYR_214,11.07,0.0,2.3,0.83
 3M16,LYS_274,10.46,-0.24,0,0
 3SMD,GLU_53,4.27,0.68,-0.85,-0.05

1WXF,ARG_25,12.81,-0.38,0,0.69
1O6D,LYS_93,10.16,-0.32,0,-0.03
3M3P,GLU_138,11.09,4.6,-0.04,2.03
3BJV,GLU_9,4.62,0.35,-0.03,-0.21
1ZCU,CYS_130,10.1,0,0.27,0.83
2ZTY,ASP_51,4,0,0,0,19
1A8Q,ARG_266,12.49,-0.08,0,0.07
3HVW,TYR_175,10.14,0,-0.02,0.16
2OGQ,TYR_453,9.62,-1.7,0.13,1.18
3ERF,HIS_114,6.97,-0.71,0.83,0.35
1D2K,LYS_199,10.5,-0.09,0,0.09
3T8R,GLU_125,4.11,0.32,-0.35,-0.36
2AXO,TYR_204,11.91,0,0.19,1.72
1R15,ARG_232,12.51,-0.22,0,0.22
2P4D,LYS_62,10.33,-0.2,0,0.03
2PPN,TYR_80,10.38,-0.04,0.05,0.38
3O16,ASP_112,3.71,-0.51,0.12,0.29
4ECC,GLU_64,4.63,0.13,0,-0.01
3GEC,CYS_312,10.38,-0.27,-0.57,2.21
4ECC,GLU_141,4.61,0.34,0,-0.23
4ETX,GLU_394,4.39,0.12,0,-0.24
1QQH,TYR_179,10.6,0.05,0.07,0.48
1NIJ,GLU_308,4.9,0.24,0,0.16
3ASA,ASP_339,3.34,-1.57,0,1.12
3EVN,GLU_245,4.46,0.26,-0.02,-0.29
1UOH,CYS_48,12.65,0,-0.1,3.76
2FB6,GLU_72,4.21,1.65,-1.36,-0.59
1WPA,TYR_432,10.68,-0.6,0.08,1.2
2C2Y,HIS_103,6.94,-0.43,0.81,0.06
3LQE,TYR_370,10.61,0,0.12,0.49
4H4J,HIS_148,6.14,-0.37,0,0.01
3LJC,LYS_143,10.44,-0.26,0,0.21
4AE7,CYS_218,12.25,-0.41,0.35,3.32
2RFA,GLU_71,4.6,0.14,0,-0.04
2RGY,HIS_205,6.33,-1.16,0.78,0.2
1NJ4,CYS_115,11.37,-0.01,-1.51,3.91
214,ARG_35,12.8,-0.41,0.32,0.39
1PGV,ARG_232,12.23,-0.32,0,0.05
3M70,LYS_94,10.77,-0.21,0,0.49
2X4G,TYR_15,12.57,0.71,0.6,1.26
1YG2,HIS_37,6.11,-0.39,0,0
1DOV,ASP_172,3.7,-0.38,0,0.28
1CBY,LYS_26,10.22,-0.35,0,0.06
3LJC,LYS_48,10.56,-0.22,0,0.27
3ONT,CYS_122,9.67,0,0.08,0.58
2EHG,GLU_61,5.09,1.01,0,-0.42
3HKX,ARG_93,12.66,-0.25,0.03,0.38
2O8P,CYS_59,11.81,-0.02,0.05,2.78
3G59,TYR_189,11.17,0,0.13,1.04
3N2T,GLU_127,10.33,4.87,-0.11,1.07
2X5Y,TYR_793,10.05,-0.2,0,0.25
3P28,LYS_114,10.16,-0.46,0,0.12
4EVF,LYS_246,10.29,-0.39,0,0.19
2FL7,LYS_120,10.45,-0.21,0,0.17
3SMD,LYS_113,10.34,-0.16,0,0
3FK5,ARG_210,12.19,-0.32,0,0.01
3F6F,LYS_189,10.41,-0.21,0,0.12
3CRM,ARG_63,12.47,-0.34,0.02,0.29
1J8B,GLU_26,4.13,0.25,-0.62,0
2YYO,ASP_39,3.8,0,-0.15,0.15
2FBI,TYR_91,10.31,0,-0.05,0.35
3MIX,GLU_398,5.1,0.45,0,0.15
4DIU,TYR_119,11.57,0.85,0.24,0.47
3RJX,LYS_219,10.63,-0.11,0,0.24
2ZCX,TYR_192,10.33,0,0.33
1NRI,ARG_70,13.92,-0.93,1.6,0.75
2RFA,HIS_257,5.26,-0.96,0.09,-0.38
2OGQ,LYS_556,12.13,-0.37,1.2,0.79
1P4X,TYR_42,11.79,-0.48,0.04,2.23
1VJG,GLU_26,4.5,0.27,-0.23,-0.05
2R2Y,LYS_83,10.26,-0.45,0,0.21
2RFA,GLU_104,3.81,0.43,-0.87,-0.25
2QOP,GLU_118,4.71,0.43,0,-0.22
1ZBM,GLU_134,3.53,0.18,-0.79,-0.36
3OKQ,GLU_644,4.75,0.14,0,0.12
1WJG,ASP_79,4.36,-0.02,-0.27,0.85
3C0C,ASP_307,3.45,-0.48,0,0.13
1PBV,ARG_145,11.65,-1.26,0,0.42
1D2K,LYS_422,10.55,-0.25,0,0.29
3F7M,ASP_266,3.41,-0.8,-0.05,0.46
2XJ4,LYS_62,10.03,-0.47,0,0
3G9T,ARG_205,12.03,-0.59,0,0.11
2A6B,LYS_74,10.5,0,0,0
2W0Z,LYS_460,10.79,-0.12,0,0.4
1ZCE,GLU_128,4.41,0.21,0,-0.3
3HUE,LYS_80,10.33,-0.2,0,0.03
1AM2,TYR_178,10.91,0,0.01,0.9
3GV0,ARG_234,12.92,-0.35,0.39,0.37
3P2F,ARG_58,13.61,-0.62,1.24,0.49
3NBI,GLU_204,4.88,0.22,0,0.16
3U0V,ASP_140,2.85,-1.05,-0.66,0.75
3LMO,GLU_63,4.18,0.41,-0.42,-0.3
1O5J,LYS_63,10.55,-0.09,0,0.14
3ERF,GLU_121,4.19,1.75,-1.03,-1.03
3TOW,ASP_48,3.92,0,-0.21,0.32
1YTQ,ASP_82,3.19,-0.7,-0.38,0.48
2R2Y,ASP_79,3.43,-0.84,-0.01,0.47
2FL7,HIS_114,7.11,-0.56,0.85,0.31
2AZL,LYS_93,10.01,-0.63,0,0.14
1NAR,ASP_272,3.94,0.03,0,1
3M66,HIS_314,5.5,-0.74,0.21,-0.48
4H4J,TYR_69,11.11,-1.57,0.24,2.44
2E3I,CYS_111,10.46,-0.02,0.05,1.43
2QVO,LYS_39,10.41,-0.16,0,0.07
3T57,ARG_271,12.03,-0.31,0,-0.16
21QT,ASP_202,3.01,-0.85,-0.29,0.35
2F4Q,ARG_24,12.43,-0.07,0,0
3BPV,ARG_79,12.05,-0.81,0,0.35
2IXM,GLU_241,4.71,0.19,0,0.01
2Z84,GLU_132,3.18,0.35,-1.29,-0.38
1YR6,GLU_234,3.88,1.06,-1.69,0.01
1ILW,HIS_54,4.45,-2.77,0.84,-0.11
1YR6,TYR_97,13.31,0,1,2.3
3ZXY,ASP_176,4.06,0,0.02,0.24
2ZQ5,LYS_226,12.26,-0.7,1.7,0.76
1Z9L,ASP_15,3.11,-0.41,-0.72,0.43
2FZ4,GLU_158,4.55,0.11,0,-0.06
3K8J,LYS_73,10.55,-0.17,0,0.21
1TR9,GLU_73,4.56,0.15,0,-0.08
3RFY,HIS_172,7.48,-0.43,0.85,0.58
1H09,ASP_333,3.94,0,-0.03,0.16
1YTQ,GLU_77,4.7,0.2,0,0
3JRT,CYS_48,8.77,-0.26,-0.37,0.41
2X5Y,TYR_886,11.25,-0.75,0.2,1.8
4D8L,ARG_92,13.37,-0.21,0.56,0.52
4E9E,LYS_518,10.53,-0.18,0,0.21
2BLI,LYS_587,10.52,-0.08,0,0.1
1XDZ,LYS_234,10.24,-0.21,0,-0.05
3IVF,ARG_358,12.82,-0.23,0.16,0.39
1BKJ,LYS_53,11.6,-0.2,0.72,0.59
2VGM,TYR_32,11.94,0.11,0.8,1.03
1YM5,LYS_143,10.58,-0.11,0,0.19
1JSX,TYR_63,10.4,0,0,0.4
4HDE,GLU_109,4.63,0.13,0,0
1KCM,TYR_24,11.56,0,0.46,1.09
1GQE,TYR_296,10.58,0.18,0.41
2EJB,LYS_19,10.36,-0.48,0,0.34
2YYO,TYR_88,12.63,0.85,0.8,0.99
2AD1,TYR_141,10.48,0,-0.08,0.56
2YX0,GLU_165,2.81,0.69,-1.62,-0.76
3ZRI,ARG_77,12.45,-0.05,0,0
3CBN,GLU_51,3.52,0.3,-0.85,-0.43
2CYG,HIS_291,6.41,-1.89,0.81,0.99
4DNU,HIS_78,6.79,-2.97,1.6,1.66
3PBH,ASP_60,3.33,-0.56,-0.02,0.11
1YB2,CYS_86,9.74,-0.45,0,1.19
1BN6,GLU_225,4.52,0.17,0,-0.15
1MIX,LYS_284,11.32,-0.29,0.73,0.38
3CJW,TYR_312,12.72,0.0,13.2,5.9
3ETV,HIS_128,2.12,-3.56,0.56,-1.37
3CCY,ARG_185,12.3,-0.27,0,0.08
4H4J,ASP_220,3.52,-0.11,-0.32,0.15
3GMS,ARG_57,11.78,-0.79,0,0.07
2QVO,TYR_46,10.14,0,-0.25,0.38
3BA1,ASP_237,4.46,0.06,0.59
3ETU,ARG_208,12.32,-0.45,0,0.28
3U4K,CYS_178,9.12,0,0,0.12
1O9G,LYS_225,10.41,-0.08,0,-0.01
1NAR,HIS_130,2.87,-2.96,0,-0.67
3N2T,LYS_259,10.39,-0.24,0,0.13
1R15,HIS_127,5.96,-0.33,0,-0.22
4ESS,ARG_39,12.35,-0.2,0,0.05
2F8H,ASP_335,3.68,-0.83,0,0.71
3U56,LYS_58,10.51,-0.12,0,0.12
2P65,GLU_30,4.25,0.73,-0.73,-0.25
2ZOW,ARG_12,12.48,-0.02,0,0
3U56,ASP_59,3.75,0,-0.36,0.3
1YLN,GLU_72,4.77,0.36,0,-0.09
3IRA,ARG_84,14,-0.42,1.53,0.39
1YB2,ASP_157,3.38,-0.54,-0.02,0.15
3M7G,ARG_20,12.37,-0.46,0,0.32
1SUU,ARG_681,12.2,-0.23,0,-0.07
1GXN,LYS_521,11.26,-0.54,0.85,0.45
3QAV,LYS_137,10.46,-0.15,0,0.12
3IRA,ARG_101,12.11,-0.6,0.21
2QXR,ASP_18,3.98,0,0,0.18
2APL,ARG_97,12.56,-0.16,0,0.22
21QT,GLU_185,4.63,0.19,0,-0.06
1K95,HIS_105,6.4,-0.28,0.01,0.16
1KW4,LYS_53,10.21,-0.13,0,-0.15
1K9I,LYS_102,10.38,-0.12,0,0
4E9E,LYS_554,10.31,-0.28,0,0.09
1XIP,ARG_189,12.42,-0.08,0,0
2QDJ,CYS_102,11.75,-0.02,0.2,0.77
1PVT,CYS_78,11.42,0,-0.01,2.43
1SQW,ARG_154,12.4,-0.14,0,0.04
3VHJ,GLU_163,3.25,0.4,-0.85,-0.8
1Q46,TYR_32,10.43,0,0.09,0.35
3S0A,LYS_109,11.62,-0.4,0.85,0.67
2Q13,GLU_28,4.73,0.19,0,0.04
2D7J,LYS_120,10.37,-0.27,0,0.14
1XFK,ARG_94,12.92,-0.24,0.22,0.44
2ZCO,HIS_79,6.18,-0.22,0,-0.09
3EAZ,GLU_108,4.28,0.83,-0.83,-0.21
2OKT,TYR_333,10.76,0,-0.11,0.86
3L3P,GLU_519,4.45,0.78,-0.39,-0.44
2R51,ARG_260,12.37,-0.31,0,0.18
2A1V,HIS_75,5.92,-0.58,0,0
1PVT,HIS_123,6.69,-3.11,1.28,2.02
2FPN,LYS_62,10.64,-0.22,0,0.36
3DZ1,TYR_121,11.3,0,0,1.3
3GYW,TYR_277,9.95,-0.23,-0.19,0.37
2Q99,LYS_28,10.26,-0.3,0,0.05
1I60,LYS_94,10.62,-0.14,0,0.26
3UX2,GLU_35,4.22,0.37,-0.6,-0.04
3NBI,GLU_150,3.58,1.59,-2.19,-0.33
3VJ8,LYS_138,10.57,-0.4,0,0.47
3GE9,GLU_74,4.05,0.32,-0.3,-0.47
2JEO,ARG_155,12.3,-0.68,0,0.48
1P1L,GLU_92,4.01,0.28,-0.77,0
3EVP,ASP_68,3.86,0,-0.51,0.56
2CVB,ARG_186,12.31,-0.19,0,0
3G59,TYR_57,10.58,0,0.14,0.44
1KW4,ASP_10,3.73,0,-0.29,0.22
1FHL,TYR_151,11.48,0.25,1.23
3R2E,ASP_45,3.89,0,0,0.09
3EZ7,GLU_189,4.63,0.13,0,0
3OBS,ARG_64,13.51,-0.12,0.75,0.37
3MYI,HIS_974,6.09,-0.38,0.08,-0.11
1AK1,GLU_94,3.81,1.2,-1.15,-0.74
3V46,ARG_300,12.35,-0.32,0.0,0.17
3VHJ,ARG_135,13.69,-0.4,0.79,0.79
2JHY,HIS_131,5.09,-0.65,0,-0.76
3CQ1,CYS_54,9.28,0,0.05,0.23
4DNU,ARG_99,11.32,-2.76,0,1.58
3CXS,HIS_107,6.31,-0.42,0.05,0.17
1R53,CYS_23,11.76,0,0.2,7.6
2P4D,HIS_74,6.69,-0.56,0.69,0.06
3HYQ,ARG_172,12.52,-0.58,0.23,0.37
1NRI,LYS_124,10.45,-0.05,0,0
1AM2,HIS_52,5.93,-0.95,0.36,0.02
3GW3,ARG_193,13.47,-0.82,0.78,1.02
3IVF,ARG_220,13.53,-0.92,0.85,1.1
2FGG,GLU_58,4.25,0.32,-0.62,0.04
1WRU,GLU_311,4.75,0.35,0,-0.1
2OEW,ASP_302,3.56,0,-0.55,0.31
1QZN,ASP_151,4.32,0,0.28,0.24
1Q5Z,HIS_595,6.52,-0.47,0.42,0.07
2RIS,ASP_105,1.52,-2.76,-0.3,0.78
1XTZ,CYS_125,11.69,-0.07,1.28,1.48
1WOU,TYR_68,12.77,0.85,0.44,1.47
1S17,HIS_117,5.76,-1.23,0.19,0.29
1JSX,GLU_67,4.74,0.16,0,0.07
4ACJ,LYS_649,10.57,-0.29,0.0,0.36
3OA7,HIS_570,6.44,-0.21,0,0.15
3M7G,GLU_255,3.75,0.28,-0.7,-0.33
3ADO,LYS_279,10.28,-0.22,0,0
2FC3,LYS_84,10.54,-0.18,0,0.22
3E7P,HIS_235,7.37,-0.47,0.85,0.5
2FC3,CYS_70,12.03,-0.05,0.14,2.95
1IDK,TYR_179,13.62,0.04,3.58
3I4T,CYS_26,11.25,0,0.04,2.21
3F53,HIS_120,6.95,-0.65,0.78,0.31
4ESS,HIS_146,6.25,-1.49,0.85,0.39
1V8E,ARG_201,12.75,-0.18,0.09,0.34
2QMG,ASP_285,4.11,0,0,0.31
2Q07,LYS_394,10.43,-0.07,0,0
1G5Z,LYS_80,10.34,-0.16,0,0
1O9G,ARG_217,12.24,-0.26,0,0
1V6T,CYS_221,13.32,-0.53,1.78,3.08
1U3Y,ARG_252,12.43,-0.08,0,0.01
1O9G,LYS_121,10.5,-0.19,0,0.19
1GXN,LYS_467,9.97,-0.4,0,-0.13
1C3K,TYR_90,10.11,0,0.01,0.1
1MN3,GLU_440,4.81,0.21,0,0.11
3EZ7,TYR_101,11.49,0,0.41,1.08
3O16,ARG_83,12.53,-0.12,0,0.15
1V8E,LYS_184,10.41,-0.06,0,-0.04
3HKX,ASP_43,2.73,-1.46,-0.64,1.03
3UC9,LYS_9,11.25,-1.13,0.85,1.02
1P4X,ASP_88,3.19,-0.99,-0.06,0.44
1T95,GLU_137,4.64,0.2,0,-0.06
1RZ2,GLU_66,4.9,0.2,0,0.19
2IXM,ARG_187,11.52,0,-1.06,0.67,0.85
2GKG,TYR_63,11.52,0.0,13.1,4.1
3MEW,ASP_153,3.57,-0.37,-0.06,0.2

1UXO,ASP_30,2.46,-1.49,-0.39,0.53
2QRX,CYS_69,11.47,0,-0.04,2.5
3GMS,ARG_267,12.22,-0.47,0,0.18
1R6Y,ASP_91,3.09,-0.85,-0.38,0.53
1V43,LYS_278,10.54,-0.12,0,0.16
2OJQ,ASP_693,4.08,0,0,0.28
3BPP,TYR_209,10.3,0,0,0.3
3BA1,GLU_87,4.75,0.16,0,0.1
2POY,ARG_165,11.85,-0.62,0,-0.02
1XDZ,ARG_227,13.95,-0.91,1.59,0.77
1UW7,LYS_92,10.55,-0.12,0,0.18
3G6S,GLU_259,4.63,0.32,0,-0.19
3BQU,GLU_246,4.61,0.11,0,0
2F8H,HIS_340,5.63,-1.6,0,0.74
1DZF,ARG_169,12.46,-0.04,0,0
1UAJ,ARG_68,13.09,-0.38,0.5,0.47
1OOX,LYS_20,9.86,-0.5,0,-0.14
1KCM,ARG_220,12.46,-0.44,0.02,0.38
2HP7,ASP_168,3.98,0,0,0.18
2G5X,ARG_76,12.5,-0.43,0,0.43
3U2R,GLU_32,4.4,0.82,-0.66,-0.27
4ACJ,GLU_788,4.95,0.3,0,0.15
1WXQ,LYS_364,10.34,-0.12,0,-0.03
3H9W,CYS_82,8.3,-0.77,-0.3,0.38
4FCU,TYR_163,10.22,0.03,0.18
1ZBM,GLU_49,4.38,0.28,0,-0.4
3GOZ,HIS_238,6.32,-0.18,0,0
2HXB,GLU_46,4.57,0.07,0,0
2A0J,HIS_12,5.93,-1.13,0.2,0.36
2FBQ,GLU_131,4.45,0.38,-0.2,-0.24
3KV0,HIS_101,6.5,-0.47,0,0.47
1SUU,ASP_788,3.77,0,-0.28,0.25
1L2F,GLU_66,4.65,0.15,0,0
3IDW,LYS_63,10.42,-0.08,0,0
1WOU,ASP_45,3.96,-0.1,0,0.26
3P2F,ARG_104,12.62,-1.73,1.36,0.5
2RIS,GLU_200,4.66,0.29,-0.06,-0.06
1RKA,ARG_53,11.78,-2.04,0.52,0.81
1Q5Z,HIS_612,5.05,-2.26,0.82,-0.01
1YMS,ASP_61,2.95,-1.07,-0.22,0.44
3JV1,GLU_59,2.62,0.51,-1.96,-0.43
3A0X,TYR_619,10.78,0.02,0.7,0.51
2OQQ,LYS_474,10.44,-0.06,0,0
1J74,GLU_68,4.61,0.35,0,-0.24
1KCM,GLU_33,4.66,0.27,0,-0.11
2PGE,ARG_10,12.39,-0.11,0,0
3ETV,HIS_340,5.66,-1.96,1.09,0.03
2GEN,GLU_9,4.43,0.16,0,-0.23
2HRZ,LYS_336,10.29,-0.1,0,-0.11
2IXM,LYS_197,10.07,-0.52,0,0.09
1UW7,CYS_23,10.32,0,-0.08,1.4
3PP8,ARG_185,12.37,-0.13,0,0
3L3P,ASP_503,3.33,-0.65,0,0.18
2FBI,LYS_85,10.48,-0.07,0,0.05
1WRU,ARG_72,12.31,-0.23,0.0,0.03
2YWK,TYR_65,10.17,0.06,0.11
3CGW,TYR_252,13.75,0.0,29,3.46
3VJ8,ARG_110,12.42,-0.35,0,0.28
3BCH,TYR_47,10.08,-0.02,-0.31,0.41
4FZN,ASP_65,3.84,0,-0.25,0.29
1F09,TYR_184,10.29,0,0.11,0.19
2QVO,LYS_79,10.49,-0.09,0,0.08
4EVF,ASP_271,2.43,-1.45,-0.26,0.35
1X1E,LYS_4,9.58,-0.73,0,-0.19
2NRK,HIS_99,4.28,-1.99,0,-0.23
2BT8,ASP_170,3.9,0,0.1
3CGW,LYS_213,10.55,-0.2,0,0.25
3RE9,CYS_220,8.79,-1.34,-0.19,1.32
2EHG,ARG_126,13.34,-0.48,0.57,0.74
1H09,LYS_87,11.17,-0.6,0.72,0.54
1ANU,ASP_123,4.12,0,0.09,0.23
3V75,ARG_48,13.65,-0.21,0.81,0.54
1RWZ,LYS_139,9.88,-0.71,0,0.09
2W0G,LYS_268,10.55,-0.11,0,0.17
1IAP,GLU_71,4.65,0.52,0,-0.38
3H6Q,ARG_127,13.85,-0.58,1.47,0.46
3QAV,HIS_44,5.46,-0.6,0,-0.45
2NMM,ARG_38,12.07,-0.38,0,-0.06
2ZCO,TYR_208,13.49,0,0.03,3.46
2O4D,LYS_118,11.6,-0.27,0.83,0.54
2R4Q,GLU_237,4.59,0.15,0,-0.06
2YX0,TYR_33,11.83,0,0.1,83
3K8J,ARG_248,12.28,-0.22,0,0
3ZSL,GLU_230,3.43,0.35,-0.79,-0.63
2WB8,LYS_798,10.39,-0.28,0,0.17
3ONT,ARG_140,12.31,-0.19,0,0
1IDK,LYS_148,9.52,-0.98,0,0
4FCU,ASP_44,3.86,-0.85,-0.41,1.33
2BV9,LYS_96,10.38,-0.12,0,0
4EF5,HIS_157,6.19,-0.28,0,-0.04
1Q42,ARG_137,12.06,-0.23,0,-0.21
1X6J,ARG_15,12.83,-1.29,0.75,0.87
4E9E,GLU_572,4.74,0.2,0,0.04
2RY2,HIS_120,5.93,-1.39,0.3,0.52
2CWY,GLU_19,4.49,0.31,0,-0.32
2AHE,ARG_206,11.2,-1.54,0,0.24
1NAR,LYS_49,10.66,-0.23,0.13,0.25
2JEO,ASP_215,3.77,0,-0.19,0.16
3BWT,ASP_574,3.89,0,-0.2,0.3
2XMX,GLU_151,4.73,1,0,-0.77
2EJX,LYS_58,10.63,-0.18,0,0.32
4AM1,LYS_40,12.45,-0.55,1.67,0.83
1P4X,TYR_3,13.22,0.31,0.7,2.21
3M66,ASP_395,3.05,-0.82,-0.58,0.64
1UOH,LYS_18,10.43,-0.14,0,0.08
1NRI,ARG_246,12.32,-0.18,0,0
2P0Y,ARG_246,12.66,-0.43,0.08,0.52
1ANU,ASP_57,2.9,-1.69,0.01,0.79
1TJE,HIS_195,7.28,-0.4,0.78,0.4
3N2T,LYS_98,10.33,-0.17,0,0
1F2V,ARG_40,11.13,-1.59,0.07,0.16
1O5T,LYS_349,10.44,-0.07,0,0.02
1BN6,GLU_194,4.25,0.28,-0.51,-0.01
3PZ9,LYS_68,10.45,-0.33,0,0.28
3RAZ,ASP_83,3.06,-2.15,-0.04,1.44
3L7N,LYS_41,10.5,-0.11,0,0.1
2Z0M,ASP_241,3.74,-0.23,0.01,0.16
1WOU,LYS_98,11.54,-0.39,0.8,0.62
4AE7,LYS_139,11.4,-0.51,0.85,0.57
3Q1C,ARG_120,12.17,-0.36,0,0.02
2PGE,TYR_337,11.73,-0.01,-0.52,2.26
2Q98,HIS_195,5.69,-0.35,0,-0.46
1FKM,ASP_340,3.02,-1.79,-0.29,1.29
4H4J,LYS_166,10.38,-0.17,0,0.05
3B21,ASP_182,4.03,0.01,0.22
2ZTY,GLU_121,5.44,0.34,0,0.6
3L7N,TYR_116,12.16,-0.03,0.34,1.85
1G8P,LYS_239,11.35,-0.28,0.51,0.61
1HF8,ARG_100,12.72,-0.6,0.36,0.46
1FHL,ASP_167,3.34,-0.85,-0.03,0.42
4FZR,GLU_316,5.39,3,-1.3,-0.82
4ECC,ASP_159,3.74,0,-0.22,0.17
2WB8,GLU_535,5.54,3.08,-1.12,-0.92
3UAH,ARG_455,12.2,-1.04,0,0.73
3M70,LYS_30,10.35,-0.15,0,0
2OJQ,ARG_446,11.89,-0.63,0,0.02
1XDZ,LYS_47,11.42,-0.57,0.79,0.7
1R3F,CYS_58,11.51,-0.67,0,3.18
4GA2,TYR_11,11.15,0,0.15,1
3HXK,ASP_269,3.56,-0.6,-0.01,0.38
1QYI,GLU_45,4.94,0.26,0,0.19
1XTZ,CYS_75,12.33,0,0,3.33
2GEN,ASP_24,2.79,-0.7,-0.54,0.23
2A6B,ASP_109,3.32,-0.72,-0.08,0.32
3DTE,TYR_160,10.5,0,0,0.5
2PGX,CYS_111,11.58,0,-0.02,2.6
2FPN,GLU_46,4.66,0.19,0,-0.03
1NKD,ARG_16,13.17,-0.43,0.7,0.41
1S17,ASP_5,3.99,0,-0.09,0.28
2FZP,GLU_263,4.59,0.09,0,0
3ADO,GLU_246,4.62,0.13,0,-0.01
1V6T,ARG_206,12.36,-0.18,0,0.03
2WZ9,CYS_46,10.38,-0.69,0,2.08
1GXN,GLU_624,1.66,0.54,-2.62,-0.76
2J8A,ASP_265,4.46,-0.04,-0.14,0.84
3CX5,GLU_76,4.27,0.04,-0.28,0
2BQO,ASP_117,3.79,0,-0.18,0.17
4ECC,HIS_92,7.48,-0.84,1.43,0.38
2P52,HIS_190,3.59,-2.16,0,-0.74
3M7G,ARG_206,13.83,-0.41,1.06,0.68
1YR6,ARG_179,12.96,-0.3,0.08,0.69
3EVP,GLU_192,4.8,0.28,0,0.02
4FH3,GLU_128,3.61,0.35,-0.55,-0.7
1O5J,TYR_92,11.19,0,0.32,0.87
4HDE,LYS_82,10.39,-0.17,0,0.06
3GFP,GLU_368,4.45,0.35,-0.24,-0.17
1QQH,TYR_139,11.22,-0.74,0.83,1.14
3EJC,GLU_93,3.96,0.26,-0.68,-0.11
1UW7,LYS_36,10.47,-0.03,0,0
1VJG,ARG_53,12.4,-0.27,0,0.17
1V8E,GLU_109,4.15,0.35,-0.76,0.07
4F8A,HIS_570,5.55,-0.3,0,-0.65
3T57,HIS_180,6.52,-1.53,0.85,0.69
2V81,HIS_24,5.52,-1.29,0,0.31
3LPZ,CYS_183,12.8,0.08,3.72
3BCY,TYR_153,13.73,0.0,39,3.34
2FZ4,LYS_100,10.52,-0.12,0,0.14
2XJ4,LYS_13,11.19,-0.24,0.52,0.41
3Q6L,ARG_31,12.82,-0.53,0.46,0.39
1YB2,GLU_213,4.74,0.47,0,-0.23
1R15,ARG_188,12.58,-0.41,0,0.49
2BLT,TYR_436,12.93,-1.07,-0.26,4.26
1EYH,LYS_149,10.55,-0.12,0,0.17
3GOZ,ASP_156,3.95,0,-0.03,0.18
1UAJ,ASP_119,2.6,-1.48,-0.38,0.67
3ASA,CYS_68,7.62,-1.48,-0.17,0.27
1Y1B,ASP_191,3.91,0,0.0,11
2FPN,LYS_146,10.35,-0.17,0,0.02
3CJW,ASP_330,3.42,-0.63,-0.12,0.38
4DBX,LYS_65,10.2,-0.38,0,0.08
3ERF,GLU_85,5.28,0.67,0,0.11
2POL,CYS_149,10.85,-0.02,-0.34,2.22
2QHT,ARG_49,11.99,-0.55,0,0.04
1NJ4,LYS_184,10.5,-0.17,0,0.18
3IV4,TYR_45,10.29,0,0.12,0.17
4DIU,GLU_218,3.17,0.53,-1.37,-0.49
2XMX,LYS_181,10.06,-0.73,0,0.29
3CE7,GLU_51,4.66,0.26,0,-0.1
3COC,LYS_312,10.37,-0.15,0,0.02
1SNT,ASP_169,2.41,-2.33,-0.49,1.43
2C13,LYS_195,10.63,-0.15,0,0.27
1SJ8,GLU_599,4.15,0.53,-0.82,-0.06
3ULX,CYS_33,10.01,-0.15,0.02,1.12
1AD6,ARG_500,12.36,-0.23,0,0.08
1R3F,ASP_307,12.8,-0.46,0.43,0.33
1GPP,GLU_156,3.88,0.72,-0.42,-0.91
1L3K,HIS_120,5.87,-0.52,0,-0.11
2XWS,ARG_18,11.66,-0.79,0,-0.04
1DUP,ARG_13,13.98,-0.42,0.96,0.93
2QK1,HIS_465,7.96,-1.52,1.99,1
3BQW,LYS_168,9.95,-0.57,0,0.01
3GE9,TYR_44,10.32,0,0.18,0.14
1FQI,ARG_382,12.67,-0.31,0.23,0.25
3T57,GLU_294,3.83,0.23,-0.55,-0.34
3PBH,HIS_190,6.34,-1.4,0.61,0.63
3LJN,GLU_183,4.69,0.16,0,0.03
2Q34,HIS_51,6.16,-0.28,0,-0.06
2BDV,ARG_47,12.49,-0.72,0,0.71
2X4J,ASP_49,2.24,-1.67,-0.38,0.49
3U4K,ARG_102,13.18,-0.49,0.8,0.37
3JZN,LYS_335,10.56,-0.14,0,0.2
1J88,GLU_63,4.63,0.13,0,0
2Q12,ARG_46,12.43,-0.07,0,0
1IDK,GLU_95,4.67,0.17,0,0
1QYI,HIS_41,6.79,-0.87,0.76,0.4
3A0X,GLU_697,4.61,0.19,0,-0.09
2C13,GLU_263,3.1,1.45,-2.12,-0.73
3L7N,TYR_101,11.88,0,0.1,88
2Q99,LYS_264,10.65,-0.17,0,0.33
1G8P,CYS_153,11.62,0,-0.17,2.79
1NJ4,TYR_20,10.76,-0.63,0.02,1.38
1DOV,LYS_155,10.55,-0.23,0,0.27
2V81,LYS_59,10.44,-0.19,0,0.13
3HVW,TYR_216,10.19,0,0.19
3G53,LYS_197,10.42,-0.11,0,0.04
3QAV,ASP_198,4.04,0,0.24
1PV5,TYR_111,12.01,0.37,1.64
3V55,ASP_701,3.76,-0.44,-0.08,0.48
1LZL,LYS_219,10.21,-0.56,0.27
1NRI,GLU_38,3.91,0.28,-0.45,-0.42
2B6P,ARG_241,12.34,-0.21,0,0.05
1XDZ,GLU_178,4.56,0.09,0,-0.03
2D0A,TYR_4,11.24,0.46,0.38,0.39
1ZCU,HIS_150,6.8,-0.23,0.32,0.22
4FLE,LYS_133,10.43,-0.12,0,0.04
1GQE,ARG_343,12.2,-0.34,0,0.04
1R29,ARG_67,12.3,-0.27,0,0.06
1PZC,GLU_1,4.63,0.15,0,-0.01
1XTZ,TYR_245,12.64,-0.07,0.59,2.14
1XDZ,HIS_54,3.06,-2.4,0,-1.04
2OKT,ASP_201,2.73,-1.33,-0.12,0.39
4DBX,HIS_254,6.62,-1.38,0.85,0.65
2PLQ,TYR_67,13.51,-0.06,0.9,2.67
4H86,CYS_120,11.6,-0.07,0.45,2.22
3M9A,LYS_95,10.49,-0.37,0,0.36
1XRW,GLU_56,5.88,0.97,0,0.4
3NR5,ARG_43,12.31,-0.22,0,0.03
3A2Z,GLU_125,4.98,0.37,0,0.11
3EVZ,ASP_113,3.14,-1.06,-0.24,0.64
2Q5X,HIS_862,6.02,-0.37,0,-0.1
1YTD,ARG_141,12.25,-0.28,0,0.03
1EQ6,GLU_102,4.66,0.22,0,-0.06
2B78,LYS_312,10.39,-0.3,0,0.18
1DOV,CYS_228,9.64,-0.14,-0.4,1.18
2Q99,CYS_364,11.22,0,-0.01,2.23
3PAC,GLU_175,4.37,0.26,0,-0.39
3JZN,TYR_138,11.49,0.1,0.3,1.08
3R87,LYS_59,10.74,-0.17,0,0.41
3BQW,ASP_268,3.2,-1.01,-0.25,0.66
1WLJ,LYS_304,10.51,-0.22,0,0.22
1SQW,HIS_165,6.55,-1.56,0.99,0.62
4H4J,GLU_68,5.02,3.75,-1.45,-1.78
3EVP,HIS_239,6.03,-0.73,0,0.27
1XTD,GLU_128,4.01,0.42,-0.98,0.08
3M66,ARG_318,11.89,-0.6,0,-0.01
1PDB,LYS_176,10.64,-0.13,0,0.27

1BKB,LYS_18,10.43,-0.07,0,0
 1YB2,HIS_33,6.26,-0.26,0,0.02
 1YR6,LYS_29,10.46,-0.26,0,0.22
 3P2F,LYS_41,10.94,-0.26,0.4,0.31
 3K8U,LYS_60,10,-0.35,0,-0.15
 2Z61,LYS_4,10.46,-0.04,0,0
 3GE9,GLU_3,4.54,0.13,0,-0.09
 2E3S,ASP_444,3.84,0,-0.29,0.33
 2RIK,GLU_148,4.54,0.07,0,-0.03
 3V1Q,LYS_576,10.77,-0.18,0,0.45
 3IVF,TYR_377,10.18,0,0.02,0.16
 2PIM,ARG_9,13.11,-0.33,0.53,0.4
 3CE7,ARG_53,13,-0.21,0,0.71
 4DBL,GLU_276,4.01,0.02,-0.67,-0.04
 2BAA,ASP_51,3.66,0,-0.41,0.28
 1PDB,TYR_177,12.33,0.32,0.65,1.35
 1FKM,ASP_408,2.36,-2.32,0,0.89
 3RE9,GLU_191,4.57,0.29,0,-0.21
 2YT4,TYR_553,13.59,0.032,3.27
 1YOK,ARG_29,12.21,-0.46,0,0.16
 1PVT,TYR_88,12.03,0,0.19,1.84
 2AD1,HIS_293,6.45,-0.32,0,0.27
 2PP6,GLU_35,4.22,0.51,-0.44,-0.35
 3CX2,ASP_214,2.62,-1.48,-0.02,0.31
 3TRE,ASP_66,3.59,-0.55,0,0.34
 1DCF,LYS_75,9.55,-1.04,0,0.09
 1ZKZ,ARG_14,12.72,-0.31,0.16,0.36
 2H8O,LYS_286,10.36,-0.14,0,0
 1OGL,TYR_245,10.6,-0.85,0,1.44
 3FHF,LYS_27,11.23,-0.87,0.85,0.76
 1GVPL,LYS_24,10.42,-0.08,0,0
 1SI7,ARG_122,12.32,-0.15,0,0
 3UX2,ARG_48,12.49,-0.36,0,0.34
 2CIU,GLU_210,4.67,0.3,0,-0.13
 3ASA,ASP_211,3.81,-0.04,-0.44,0.5
 2EJX,GLU_42,4.43,0.3,-0.15,-0.22
 2IRM,GLU_75,4.81,0.55,0,-0.23
 2BAA,GLU_67,4.55,2.55,-0.62,-1.88
 2AZL,LYS_261,10.51,-0.49,0,0.49
 2V5B,LYS_198,10.14,-0.36,0,0
 1NFN,GLU_131,4.22,0.23,-0.38,-0.13
 3LMF,ASP_8,3.94,0,0,0.14
 2C13,HIS_254,6.89,-1.38,1.3,0.47
 1YB2,TYR_15,11.34,0,-0.15,1.49
 4ETX,ASP_209,2.66,-1.34,-0.18,0.37
 1T95,ASP_154,3.59,0,-0.4,0.19
 3HQX,ASP_97,3.99,0,-0.03,0.22
 3T8R,ASP_128,3.98,0,0,0.18
 3V7S,GLU_163,4.61,0.11,0,0
 1YDL,LYS_31,10.52,-0.14,0,0.17
 2R2Y,CYS_121,11.4,0,0.3,2.1
 2YYO,LYS_127,10.68,-0.59,0,0.76
 1CBY,HIS_227,6.3,-0.2,0,0
 3ETV,GLU_266,4.43,1.32,-0.85,-0.54
 1YLN,GLU_224,4.45,0.09,0,-0.14
 1O0X,LYS_40,10.58,-0.2,0,0.28
 3BQW,ASP_198,4.1,0,-0.02,0.32
 1WOU,ASP_83,4.03,0,-0.16,0.39
 2FPN,ASP_136,3.93,-0.34,0.1,0.36
 2JHY,GLU_87,4.6,0.25,0,-0.14
 3MTT,GLU_507,3.41,0.18,-0.6,-0.67
 3CZC,ASP_81,3.74,-0.17,-0.3,0.41
 1BN6,TYR_98,10.95,0,0.11,0.84
 2AZPHIS_124,5.54,-0.79,0,-0.18
 1JT9,ASP_195,3.67,-0.79,-0.44,1.1
 3ASA,LYS_21,10.52,-0.12,0,0.13
 3ZTA,GLU_139,4.47,0.25,-0.27,-0.01
 2FZP,GLU_303,4.21,0.31,-0.65,0.06
 3CQ1,ARG_4,12.47,-0.03,0,0
 1N81,ASP_69,2.81,-1.68,-0.15,0.84
 1TXJ,LYS_170,10.45,-0.05,0,0
 1PBV,GLU_104,4.3,0.18,0,-0.38
 1SIG,LYS_257,11.56,-0.7,0.67,1.08
 1TLV,GLU_271,4.99,0.43,0,0.07
 3IL3,HIS_178,6.2,-1.32,0.73,0.29
 2B02,HIS_401,5.99,-0.61,0,0.1
 3ONH,GLU_516,4.24,0.36,-0.71,0.1
 2FD5,ARG_173,12.18,-0.29,0,-0.04
 1XDZ,HIS_199,5.63,-0.88,0,0.01
 1XFK,HIS_67,5.94,-0.45,0,-0.11
 3FXH,GLU_66,4.55,0.4,0,-0.35
 15BX,ARG_152,12.44,-0.14,0,0.09
 1LFL,LYS_11,9.6,-1.03,0,0.13
 4EKU,ARG_68,13.37,-0.43,0.62,0.68
 1P4X,ARG_10,12.12,-0.64,0,0.26
 2GAU,TYR_90,11.65,0.042,1.24
 4EKU,HIS_192,6.27,-0.21,0,-0.02
 3DZ1,ASP_98,3.94,0,-0.08,0.22
 1DQI,LYS_52,10.39,-0.05,0,-0.06
 2CW4,GLU_88,4.28,0.35,0,-0.57
 3IDW,ASP_4,3.46,-0.72,-0.02,0.4
 2CN1,GLU_211,4.59,0.13,0,-0.04
 2E0T,LYS_147,10.35,-0.23,0,0.09
 2B02,LYS_419,10.49,-0.4,0,0.38
 3GV0,GLU_231,4.7,0.13,0,0.08
 3L7N,CYS_91,9.65,-2.8,0.46,2.98
 3V4G,GLU_36,5.38,0.81,0,0.07
 1TR9,HIS_37,7.45,-0.26,0.85,0.36
 3IL3,ARG_217,12.42,-0.33,0,0.25
 1GUCH,HIS_102,3.25,-3.36,0.02,0.1
 1FHL,ASP_239,4.06,0.07,0.19
 3ZTA,LYS_15,10.14,-0.32,0,-0.03
 1OIS,ASP_269,3.74,-0.4,0.0,0.34
 1X04,ARG_100,12.89,-0.32,0,0.72
 3GF9,CYS_54,11.7,0.27,0.66,1.77
 2FM9,TYR_123,13.33,0,-0.04,3.37
 1JSX,ARG_123,12.37,-0.22,0,0.09
 4GA2,GLU_119,3.95,0.25,-0.18,-0.6
 1R9W,LYS_219,10.48,-0.2,0,0.18
 3O16,ARG_119,11.64,-1.61,0.51,0.23
 3LH5,LYS_577,10.32,-0.29,0,0.1
 3JV1,ASP_180,3.95,0,0,0.15
 1A8Q,ASP_141,4.09,0,-0.02,0.32
 1SQW,GLU_104,5.1,0.59,0,0
 2RJD,ASP_383,3.8,-0.29,0.02,0.26
 1WYC,ARG_187,13.03,-0.34,0.48,0.38
 3QAV,LYS_134,10.78,-0.43,0.33,0.37
 4FH3,HIS_224,4.45,-2.0,-0.04
 1BN6,GLU_262,3.12,0.89,-1.46,-0.81
 2H2W,HIS_170,3.32,-3.51,0.5,-0.17
 3HVV,ARG_227,12.97,-0.35,0.39,0.42
 3M7G,TYR_268,9.74,-0.78,-0.03,0.56
 1ESS,ARG_31,11.78,-0.73,0,0.01
 3HVV,ASP_228,3.44,-0.39,-0.39,0.42
 4EKU,ASP_139,3.89,-0.21,0,0.31
 3AUF,ARG_176,13.45,-0.39,0.71,0.63
 2O0K,CYS_113,12.07,0.32,2.75
 1QYI,TYR_207,11.94,0,0.02,1.92
 1J33,HIS_276,5.97,-2.26,0.35,1.39
 2JKF,GLU_77,5.02,2.77,-2.13,-0.11
 4E6S,ARG_31,12.35,-0.19,0,0.03
 3OA7,HIS_50,6.33,-0.17,0,0
 3OA7,ARG_555,12.38,-0.12,0,0
 2B0J,LYS_335,11.12,-0.16,0.4,0.38
 1PBV,GLU_94,4.16,0.2,-0.27,-0.27
 1XWM,ARG_106,12.09,-0.52,0,0.1
 4FH3,TYR_370,11.02,0,0.21,0.82
 3GMS,ARG_87,12.13,-1.06,0,0.69
 1XDZ,ARG_20,12.21,-0.32,0,0.03
 1L3K,ARG_140,12.46,-0.04,0,0
 1WNH,ASP_121,2.94,-0.85,-0.35,0.34
 1WP5,CYS_65,11.89,0,0.16,2.73
 3JZN,LYS_89,10.63,-0.22,0,0.36
 2GQV,CYS_47,9.37,0,0.02,0.35
 3C2E,LYS_94,11.33,-0.21,0.59,0.45
 2CN1,TYR_82,11.17,-0.06,0.38,0.85
 1DOV,LYS_193,10.28,-0.25,0,0.03
 2XHC,LYS_188,10.36,-0.12,0,-0.03
 1DOV,LYS_199,10.49,-0.07,0,0.06
 2H85,CYS_292,11.4,0,-0.13,2.52
 4DBL,GLU_142,4.16,0.22,-0.32,-0.25
 3HVM,LYS_2,9.69,-0.6,0,-0.2
 2P52,ARG_193,12.35,-1.29,0.42,0.74
 2VAN,ASP_170,2.23,-1.69,-0.42,0.54
 1L3K,ARG_122,13.41,-0.39,0.84,0.46
 3I82,CYS_201,11.56,-0.02,-0.12,2.7
 2R4Q,ARG_245,12.22,-0.3,0,0.01
 1EYH,LYS_69,10.52,-0.08,0,0.09
 3RJX,GLU_212,4.59,0.3,0,-0.21
 2GKG,LYS_71,10.3,-0.19,0,-0.01
 1LPL,TYR_200,9.88,-0.82,-0.14,0.83
 4E2B,ARG_143,13.75,-0.95,1.57,0.62
 2XCZ,TYR_74,11.04,0.26,0.34,0.45
 1KN3,CYS_168,12.18,-0.31,-0.16,3.65
 3V46,ARG_393,12.62,-0.08,0,0.2
 3BQE,GLU_301,4.99,1.58,-0.97,-0.12
 3BZT,TYR_316,10.09,0,-0.36,0.45
 1PDB,LYS_178,10.35,-0.29,0,0.14
 2DFL,ASP_301,4.18,0,-0.3,0.68
 1SIG,ASP_213,3.95,-0.05,0,0.2
 1NFN,LYS_72,9.99,-0.54,0,0.03
 3GT0,ARG_117,12.89,-0.81,0.66,0.55
 1T3J,ASP_703,4.01,0,0,0.21
 3PP8,GLU_153,4.54,0.18,0,-0.15
 4HD6,LYS_170,11.44,-0.35,0.85,0.44
 1ZBS,HIS_247,5.8,-0.62,0,-0.08
 2Q5X,LYS_753,10.36,-0.14,0,0
 2OEW,CYS_40,9.86,-0.11,0.01,0.96
 1XEU,GLU_101,3.53,0.4,-0.92,-0.45
 3LJC,GLU_185,5.34,0.98,0,-0.15
 2PWQ,LYS_130,10.88,-0.32,0.24,0.46
 1QQE,LYS_242,10.38,-0.17,0,0.05
 1EV8,ARG_35,12.53,-0.24,0,0.26
 4E8B,HIS_172,6.11,-0.49,0,0.1
 2QOP,HIS_95,6.1,-0.93,0,0.54
 1KN3,ASP_59,3.25,-0.75,-0.17,0.37
 3DZ1,ASP_30,2.97,-1.28,-0.6,1.05
 3C0C,ASP_340,3.27,-1.04,0,0.52
 2XMX,LYS_202,10.38,-0.21,0,0.08
 3H04,GLU_58,4.4,0.32,0,-0.41
 1L3K,LYS_113,10.37,-0.13,0,0
 2QVT,HIS_115,6.22,-0.25,0,-0.03
 2DG7,ARG_36,13.35,-0.38,0.66,0.58
 2FG1,LYS_33,10.65,-0.21,0,0.37
 2QRX,ARG_167,12.63,-0.83,0.5,0.46
 3UAH,ASP_203,4.59,0.17,0.3,0.31
 2QVT,HIS_110,6.28,-0.17,0,-0.06
 3M3P,GLU_243,4.51,0.01,0,0
 2V81,ARG_201,12.42,-0.29,0,0.22
 4H86,CYS_31,8.63,-1.06,0.04,0.65
 1NRI,GLU_180,4.59,0.12,0,-0.04
 3BQW,ASP_53,3.68,-0.47,0,0.35
 2A1V,GLU_124,2.95,0.65,-1.69,-0.5
 4DIU,ASP_227,2.92,-1.29,0,0.41
 3C5V,GLU_51,3.77,0.4,-1.13,0
 3LE4,HIS_343,6.94,-0.49,0.85,0.07
 2RIK,GLU_228,4.29,0.38,0,-0.59
 3Q1C,ARG_69,12.41,-0.09,0,0
 2WB3,LYS_272,10.47,-0.03,0,0
 3B7X,GLU_66,3.58,0.63,-1.58,0.02
 1OIS,ARG_263,12.93,-0.39,0.15,0.67
 3UX2,CYS_107,9.33,0,0,0.33
 2WB8,LYS_455,11.92,-0.32,0.97,0.78
 3U2R,HIS_124,6.92,-0.56,0.8,0.17
 3EJG,ASP_10,3.8,-0.05,-0.18,0.22
 1PV5,GLU_180,4.7,0.11,0,0.09
 1L2F,GLU_78,4.58,0.22,0,-0.14
 2B0J,GLU_102,4.02,0.21,-0.36,-0.34
 2PGE,LYS_17,10.31,-0.19,0,0
 3ETU,GLU_254,4.25,1.12,-0.85,-0.52
 2RIK,TYR_235,11.12,0.08,1.03
 1UW7,LYS_58,10.11,-0.39,0,0
 3K8J,ARG_161,13.57,-1.75,1.56,1.26
 3JSN,LYS_298,10.41,-0.09,0,0
 3DHN,TYR_145,10.81,0,-0.46,1.27
 1E59,GLU_90,3.2,0.62,-1.36,-0.56
 2IRM,TYR_114,12.23,-0.94,0.44,2.73
 3L0D,ARG_132,12.48,-0.56,0,0.54
 2FBQ,ARG_160,12.51,-0.59,0.23,0.38
 3PU6,LYS_147,10.78,-0.24,0,0.52
 2G3A,TYR_113,12.74,0.74,0.42,1.57
 1MML,HIS_77,5.54,-0.7,0,-0.26
 2Q34,ASP_224,3.78,0,-0.18,0.15
 2VGM,GLU_26,4.82,1.09,-0.64,-0.12
 1O5T,ARG_134,11.21,-1.7,0.26,0.14
 3GW3,CYS_65,11.94,-0.03,0.09,2.88
 2DVK,ARG_79,12.22,-0.36,0,0.07
 3BB7,ASP_68,4,-0.05,0.14,0.11
 2AH5,LYS_164,10.71,-0.21,0,0.41
 3CAN,HIS_73,4.92,-1.33,0,-0.25
 2JKF,ASP_145,3.51,-0.72,-0.53,0.97
 3NR5,ASP_117,3.13,-0.63,-0.69,0.64
 3COU,ARG_38,12.21,-0.29,0,0
 1UAJ,LYS_10,10.47,-0.51,0,0.48
 3KEY,LYS_410,10.59,-0.19,0,0.28
 3G9G,GLU_65,3.66,0.28,-0.81,-0.31
 4EVF,ASP_241,4.51,0,-0.1,0.8
 1U53,LYS_178,11.43,-0.3,0.85,0.38
 2W2S,GLU_147,4.62,0.08,0,0.04
 2V81,LYS_139,10.41,-0.1,0,0.1
 1WP5,TYR_25,10.96,0.05,0.91
 2BAA,ASP_77,2.93,-0.85,-0.4,0.39
 2R0S,ASP_218,3.09,-1.1,0,0.39
 2X5Y,HIS_828,5.29,-1.2,0,-0.02
 3EVN,ARG_317,13.67,-0.32,0.69,0.8
 3GV0,GLU_307,3.74,0.73,-0.72,-0.77
 3JV1,ARG_58,12.62,-0.09,0,0.22
 3I4T,ARG_186,12.29,-0.27,0,0.06
 2A0J,GLU_85,4.71,0.21,0,0
 3T5B,ASP_388,3.87,0,-0.07,0.13
 2OBS,GLU_80,4.99,0.41,0,0.08
 1UCH,ARG_47,13.01,-0.72,0.73,0.51
 1UOH,LYS_153,10.46,-0.14,0,0.1
 2P1W,ARG_237,13.53,-0.37,0.78,0.6
 3ETU,GLU_227,4.77,0.27,0,0
 1O17,ASP_103,4.08,-0.01,-0.11,0.39
 1QYI,LYS_144,11.11,-0.62,0.71,0.52
 1QZN,ARG_172,12.31,-0.19,0,0
 2OSA,ASP_269,3.02,-1.28,-0.25,0.75
 2V5B,ASP_86,3.89,0,-0.04,0.13
 1ZBS,GLU_250,3.84,0.47,-0.74,-0.39
 3U2R,ARG_53,12.26,-0.62,0.13,0.24
 3BZT,ARG_299,4.66,0.26,0,-0.1
 1G8P,ARG_326,10.84,-2.14,0.3,0.17
 1PSW,ARG_77,12.1,-0.35,0,-0.05
 1CHD,ARG_219,12.44,-0.31,0,0.25

1YDL,CYS_12,9.57,-0.18,0.2,0.56
2GZQ,GLU_23,3.56,0.18,-0.85,-0.27
1O59,CYS_143,11.91,0.005,2.87
4AM1,LYS_146,11.43,-0.26,0.75,0.44
3F6F,ARG_67,12.89,-2.35,0.62,2.11
1S17,ARG_199,10.62,-1.91,0,0.02
1W7B,GLU_247,4.85,1.17,-0.7,-0.12
2YX0,LYS_126,10.19,-0.27,0,-0.04
2WOZ,ARG_297,12.43,-0.13,0,0.06
1QYI,ASP_43,3.74,-0.37,-0.05,0.35
1WYC,HIS_180,6.02,-3.2,0.85,1.88
2R4Q,ARG_240,13.25,-1.33,1.43,0.65
1E59,CYS_55,9.47,-0.02,-0.03,0.52
2WB8,ASP_504,3.75,0,-0.2,0.15
1UXO,LYS_101,11.03,-0.48,0.63,0.37
2R51,TYR_78,10.4,0.015,0.24
3Q1C,ARG_354,12.29,-0.68,0,0.47
2BCF,ARG_251,12.97,-0.52,0.53,0.47
1J74,ASP_37,3.47,-0.3,-0.3,0.26
3M70,GLU_183,3.51,0.24,-0.85,-0.38
2XWS,LYS_92,9.24,-1.28,0,0.02
1SQW,TYR_128,10.12,0,-0.1,0.21
2HRZ,TYR_112,10.55,0,0.27,0.28
1TR9,LYS_125,10.46,-0.04,0
3UX2,LYS_113,10.44,-0.07,0,0
3D9H,HIS_41,4.93,-2.39,0.79,0.03
2Q5X,ARG_817,12.37,-0.18,0,0.05
3CAX,HIS_179,7.42,-3.49,1.67,2.74
3D9H,LYS_184,10.66,-0.16,0.11,0.21
3I0C,LYS_124,10.3,-0.2,0,-0.01
3BA1,HIS_302,6.25,-1.21,0.85,0.12
3V46,LYS_371,11.15,-0.27,0.47,0.46
3I4T,HIS_238,6.26,-0.29,0,0.05
3C6B,LYS_47,10.35,-0.15,0,0
3I0C,TYR_206,11.25,0,0.16,1.1
3A0X,GLU_696,4.31,0.16,0,-0.35
3LD1,LYS_52,10.42,-0.08,0,0
1L2F,ARG_144,12.71,-0.16,0.04,0.33
3IVF,GLU_346,4.75,0.19,0,0.07
1R22,ASP_199,3.57,-0.2,-0.29,0.25
3E27,GLU_350,4.81,0.42,-0.03,-0.09
3RLE,TYR_198,10.11,0,-0.02,0.12
1Z9L,ASP_77,3.93,0,0,0.13
4HDE,LYS_138,11.72,-0.31,0.85,0.67
1FQI,GLU_324,3.9,0.71,-0.74,-0.57
3JV1,ASP_151,3.21,-0.84,-0.17,0.39
3HUE,LYS_104,10.02,-0.23,0,-0.25
1GPP,ARG_162,13.41,-0.62,0.79,0.72
3HZQ,LYS_6,10.46,-0.04,0,0
3H04,GLU_257,4.35,0.23,-0.05,-0.32
3EVZ,LYS_101,9.98,-0.54,0,0.01
3B4D,ARG_200,12.54,-0.1,0,0.13
2F19,GLU_116,4.59,0.26,0,-0.17
3CBN,ASP_138,3.17,-0.83,-0.36,0.55
3CJW,GLU_297,2.96,0.46,-1.37,-0.65
3Q6L,ARG_127,11.9,-2.31,0.24,1.47
3A0X,GLU_664,4.74,0.43,0,-0.19
1A8Q,ASP_133,4.07,0,0,0.26
2RIK,LYS_202,10.49,-0.21,0,0.21
2B78,ARG_280,12.34,-0.46,0,0.3
3ODJ,ASP_32,4.02,0,0,0.22
1PDB,LYS_108,9.32,-1.17,0,0
3K8U,ARG_126,12.54,-0.11,0,0.15
1R15,GLU_285,5.35,2.49,-1.16,-0.48
1RHS,LYS_236,10.45,-0.05,0,0
2CYG,TYR_329,10.39,0,0.39
1YOK,ARG_181,11.35,-1.15,0,0
3RKV,GLU_295,4.61,0.31,0,-0.21
2F19,TYR_21,9.48,-0.52,-0.3,0.31
2PLQ,LYS_21,10.83,-0.52,0.54,0.31
3FWU,LYS_75,10.48,-0.23,0,0.21
3ETU,LYS_222,10.21,-0.19,0,-0.1
2B61,ARG_184,11.78,-1.52,0.7,0.1
3LJI,ASP_90,3.81,-0.32,1.39E-17,0.33
3ADO,ARG_185,12.99,-0.4,0.64,0.25
3GA2,ARG_183,12.52,-0.16,0,0.18
3A7L,LYS_8,10.39,-0.27,0,0.16
1ZBS,ASP_126,2.58,-1.5,-0.23,0.51
1PBV,GLU_156,3.99,0.28,-0.62,-0.17
2YLF,GLU_148,4.62,0.12,0,0
3F7M,CYS_177,10.23,-2.49,0.04,3.68
1D2K,LYS_177,11.22,-0.46,0.85,0.33
3OA7,HIS_562,6.1,-0.47,0,0.06
4H86,LYS_156,10.13,-0.54,0,0.17
4F85,TYR_185,11.97,0.62,1.35
3U2A,ARG_38,12.82,-0.29,0.2,0.4
3FNI,TYR_133,10.98,-0.02,-0.02,1.03
3BPP,TYR_36,10.18,0.005,0.13
2HRZ,ARG_233,13.82,-0.63,1.2,0.75
3JRT,TYR_31,9.88,0,-0.3,0.17
3EVP,GLU_290,4.58,0.09,0,-0.01
4EFS,GLU_296,4.91,0.34,0,0.07
3F6F,GLU_75,5.03,0.53,0,0
1HF8,HIS_83,4.59,-3.33,0.85,0.58
3EGN,GLU_402,4.15,0.23,-0.59,0
1OGL,LYS_63,9.98,-0.18,0,-0.34
1F2V,TYR_4,10.07,0,0,0.07
1T95,ASP_76,3.25,-0.51,-0.37,0.33
1QYI,TYR_305,11.82,0.12,1.7
3CAX,ASP_344,3.37,-0.6,-0.18,0.36
1L2H,ARG_4,12.42,-0.23,0,0.15
2W2S,GLU_108,3.88,0.36,-0.44,-0.54
3Q9P,ARG_96,13.28,-0.27,0.71,0.34
3N0K,HIS_107,6.13,-0.43,0,0.06
1YLN,ARG_155,13.52,-0.35,0.98,0.39
3G9T,HIS_233,3.91,-3.37,0.26,0.52
3ULX,ARG_126,12.4,-0.1,0,0
1SJ8,ARG_765,12.41,-0.16,0,0.06
2P52,GLU_225,4.65,0.15,0,0
3VHJ,ARG_148,12.48,-0.31,0,0.29
1O0X,ARG_148,12.23,-0.31,0,0.05
3SMD,LYS_80,11.57,-0.41,0.85,0.63
1RZ2,ARG_141,12.05,-0.68,0,0.23
3BPP,LYS_194,10.46,-0.26,0,0.22
1VJG,LYS_115,10.5,0,0,0
3P28,LYS_92,10.35,-0.29,0,0.13
3B7H,TYR_73,12.38,0.85,0.4,1.13
3UX2,LYS_103,10.39,-0.11,0,0
1YG2,LYS_46,10.55,-0.1,0,0.16
3KV0,GLU_72,4.05,0.26,-0.51,-0.2
1O6D,GLU_74,3.82,0.43,-0.74,-0.38
1YTO,LYS_100,10.39,-0.06,0,-0.05
1J33,ARG_116,13.19,-0.6,0.84,0.45
1UJ8,LYS_15,11.2,-0.35,0.25,0.8
2HXB,LYS_139,10.7,-0.2,0,0.39
3GFP,ASP_375,3.9,0,-0.28,0.38
3R2E,ASP_46,3.37,-0.68,0,0.25
3C38,ARG_171,12.38,-1.36,0.34,0.89
3HUE,GLU_203,4.82,0.17,0,0.15
3IV4,TYR_52,11.06,-0.08,0.3,0.85
1TJE,HIS_13,6.32,-0.27,0,0.09
1UXO,TYR_6,10.66,-0.85,0.32,1.19
2JKF,GLU_113,4.69,0.31,0,-0.12
3UC9,ARG_80,11.74,-1.12,0,0.36
3UC9,TYR_5,10.12,0,0,0.12
1J79,CYS_118,11.28,-0.12,0.33,2.07
3GS3,CYS_34,10.83,0.01,1.82
1TR9,ASP_38,2.36,-1.68,-0.25,0.5
1EV8,ARG_99,12.73,-1.25,0.97,0.51
2D7U,ASP_90,3.61,-0.09,-0.35,0.25
1O9G,ARG_132,12.57,-0.32,0.25,0.14
3IPZ,GLU_82,4.73,0.25,0,-0.02
4FZN,ARG_242,12.34,-0.26,0,0.1
3LH5,TYR_755,10.22,0,-0.09,0.31
1Q5Z,ASP_647,2.23,-2.28,-0.73,1.45
2XWS,CYS_59,10.48,0.03,0.21,1.24
2GZR,TYR_67,13.48,-0.02,0.69,2.83
1JYH,ASP_105,3.26,-0.66,-0.27,0.38
3F7M,TYR_299,10.21,0,-0.16,0.37
2BV9,ARG_52,12.62,-0.35,0,0.47
3LJI,GLU_293,4.9,0.34,0,0.06
3P2F,ARG_139,12.06,-0.51,0,0.07
1TD6,ASP_38,1.75,-2.57,-0.06,0.59
2PLQ,TYR_284,10.14,0,-0.16,0.3
1SNT,ARG_243,13.75,-3.69,0.54,4.4
2OGQ,LYS_480,9.62,-0.58,0,-0.3
3CAX,ASP_296,3.4,-0.54,-0.03,0.16
3C38,HIS_154,5.47,-1.11,0.08,-3.47E-18
1YB2,LYS_17,10.31,-0.19,0,0
1YTO,ARG_89,13.74,-0.24,0.91,0.57
1DOV,LYS_246,10.4,-0.12,0,0.02
3HKX,HIS_20,7.46,-0.25,0.85,0.36
3LPZ,GLU_141,4.85,0.39,0,-0.04
3C6B,TYR_39,11.8,-0.06,0.02,1.83
1GXN,HIS_513,4.03,-3.27,0.81,-0.01
2D59,LYS_103,10.57,-0.14,0,0.21
3RNV,ASP_370,3.68,-0.07,-0.42,0.37
1WPA,ASP_437,3.98,0,-0.27,0.45
3M16,LYS_48,10.32,-0.24,0,0.06
1PVT,GLU_172,4.4,0.49,0,-0.59
1LN4,GLU_64,4.61,0.25,0,-0.14
4FH3,TYR_324,10.29,0,-0.06,0.35
1Q8B,CYS_19,9.77,-0.04,0.13,0.68
3GFP,ASP_467,3.35,-0.56,-0.19,0.3
3N0K,ASP_114,3.67,-0.3,-0.03,0.2
3UPD,HIS_-17,7.18,-0.78,0.87,0.58
3N0K,ASP_82,3.41,-0.85,0,0.46
1PDB,TYR_156,13.05,0.057,2.49
1NKD,HIS_46,6.68,-0.17,0.15,0.21
2AZP,ARG_132,12.32,-0.5,0,0.33
2CWC,ARG_243,11.83,-1.06,0.03,0.38
1GQE,GLU_16,4.61,0.22,-0.29,0.17
2R51,HIS_63,5.77,-1.09,0.32,0.03
2EOT,HIS_138,6.06,-0.47,0,0.03
1DOV,LYS_87,10.45,-0.16,0,0.11
4FH3,ARG_340,12.2,-0.38,0,0.08
3LJI,CYS_56,11.65,0.008,2.57
2RFA,GLU_176,3.9,0.36,-0.69,-0.27
2ZQ5,GLU_15,4.02,0.29,-0.74,-0.03
3FNI,LYS_125,10.41,-0.11,0,0.02
1YR6,TYR_181,10.46,0,-0.42,0.87
1RAJ,GLU_226,4.64,0.59,0,-0.45
3AU3,HIS_652,5.78,-0.83,0.011
3CJW,GLU_311,5.07,2.95,-2.47,0.08
2HNG,LYS_8,11.31,-0.42,0.85,0.38
1YMS,GLU_40,5.04,0.57,0,-0.03
2B78,LYS_84,10.2,-0.46,0,0.15
1ZBM,GLU_204,4.7,0.2,0,0
2E3H,CYS_242,11.24,0.01,1.2,14
3O48,ARG_108,12.55,-0.16,0,0.2
2OBI,GLU_158,4.23,0.35,-0.56,-0.06
1WOU,GLU_20,4.49,0.28,-0.02,-0.27
1UXO,ARG_12,12.56,-0.17,0,0.23
4E9E,TYR_540,12.37,-0.66,0.63,2.39
1UCH,HIS_193,4.71,-2.6,0.85,-0.04
2QVO,ARG_72,13.49,-0.26,0.7,0.54
2I6I,LYS_56,10.18,-0.32,0,0
3LQE,ASP_410,4.34,0.024,0.29
3I0O,HIS_195,3.78,-2.36,0.01,-0.35
2QRX,ASP_8,4.01,0,0,0.21
3GV0,ARG_179,12.05,-0.79,0,0.34
3F7M,ARG_222,11.96,-0.6,0,0.07
1RWZ,CYS_202,12.05,-0.06,-0.23,3.34
3CCY,GLU_97,4.38,0.62,-0.39,-0.35
3DSH,GLU_354,4.19,0.25,-0.18,-0.38
2VGM,LYS_82,12.26,-0.49,1.33,0.92
3RFF,HIS_60,7.1,-0.55,0.85,0.31
1X04,ASP_169,4.28,0,-0.06,0.53
2IQT,GLU_247,4.14,0.25,-0.3,-0.31
1X1E,TYR_224,10.04,0,-0.01,0.05
1R3D,HIS_166,6.79,-0.24,0.32,0.21
4FZR,ARG_210,12.96,-0.77,0.46,0.77
1WOU,GLU_50,4.02,1.36,-1.43,-0.41
3JV1,TYR_189,10.95,-0.07,-0.03,1.05
1H4U,GLU_523,4.43,0.23,0,-0.3
1V43,GLU_292,3.84,2.13,-1.63,-1.16
4HDE,LYS_31,10.44,-0.06,0,0
2AHE,ASP_228,4.11,0,0.09,0.23
1X91,LYS_10,11.47,-0.45,0.85,0.57
1D2K,LYS_369,10.39,-0.13,0,0.02
2V5B,ARG_162,13.11,-0.61,0.84,0.37
2YGY,ASP_69,3.25,-1.58,-0.47,1.49
1Y0K,GLU_113,4.39,0.27,-0.37,-0.01
1GQE,ARG_22,11.91,-1.03,0,0.44
2CXV,TYR_95,10.6,-0.05,0,0.65
1DTO,ASP_25,4.01,-0.11,0.06,0.25
2IRM,TYR_339,10.94,0,-0.23,0.72
3RLN,LYS_695,10.51,-0.12,0,0.12
2YLF,ASP_212,4.04,0,-0.06,0.29
1MML,LYS_103,10.08,-0.33,0,-0.09
2CW4,ARG_114,12.91,-0.31,0.2,0.52
3T8R,ASP_109,3.03,-0.51,-0.7,0.43
4EKU,GLU_88,5.06,1.25,-0.71,0.01
2GZR,LYS_262,10.56,-0.14,0,0.2
1LTU,ARG_233,12.34,-0.33,0,0.18
4FZR,HIS_29,6.62,-0.66,0.74,0.04
3A2Z,ARG_64,10.87,-2.34,0,0.71
2FZP,GLU_292,4.71,1.6,-0.85,-0.54
4ANN,CYS_160,11,-0.01,-0.2,2.21
3GG6,CYS_100,11.37,0.12,2.24
2FD5,ASP_169,3,-0.67,-0.6,0.46
1DOV,CYS_116,9.12,0,0,0.12
2OJQ,CYS_524,9.84,0,-0.16,1
2H2Z,HIS_163,2.22,-3.39,0,-0.89
3PZ9,ASP_154,3.28,-1.03,-0.13,0.63
2AZL,LYS_238,11.3,-0.42,0.8,0.41
1NIJ,ARG_69,11.97,-0.95,0,0.42
1MUF,GLU_329,3.59,0.61,-1.38,-0.14
1G8P,GLU_115,3.86,0.52,-0.54,-0.62
4FCU,GLU_253,4.84,0.24,0,0.09
2JEO,LYS_76,10.21,-0.31,0,0.02
2IF4,HIS_252,5.89,-1.55,0.8,0.14
1X9G,ASP_122,4.1,-0.02,0.11,0.21
1XTZ,TYR_67,9.8,-0.53,0.18,0.15
2CWC,CYS_64,10.97,-0.01,0.04,1.94
2O4D,TYR_50,10.49,0.26,0.22
3ZSL,GLU_193,3.46,0.32,-0.79,-0.56
3K8U,ARG_66,12.13,-0.49,0,0.12
3IDW,TYR_22,11.88,0.026,1.63
2QHT,ASP_135,4.17,-0.11,-0.25,0.73
3T5B,TYR_274,13.33,-0.08,0.21,3.2
2DFL,TYR_220,10.47,-0.15,0.14,0.48
1X7F,CYS_146,12.73,0,-0.11,3.84
3TRE,LYS_97,10.33,-0.19,0,0.02
3COU,HIS_21,5.79,-1.21,0.51,0
1XWM,LYS_85,10.36,-0.33,0,0.18

1QQE,CYS_164,12.02,0.12,0.43,2.47
3ERF,ASP_79,2.33,-1.83,0,0.36
4EVF,HIS_92,5.42,-1.28,0,0.2
1RI6,GLU_126,4.23,0.37,-0.64,0
3C6B,GLU_117,4.31,0.46,-0.55,-0.1
3M7D,ARG_102,12.23,-2.88,0.69,1.92
1NRI,ASP_121,3.97,0,-0.15,0.32
1XTZ,LYS_90,10.47,-0.24,0,0.2
3GMS,TYR_190,10.34,0,0.1,0.25
1GVP,GLU_30,3.36,0.44,-0.95,-0.63
2OGQ,GLU_575,2.85,0.34,-1.49,-0.5
1R29,ARG_40,12.5,-0.07,0,0.07
3K8J,GLU_271,4.42,0.13,0,-0.21
3E7P,GLU_214,4.34,1.95,-1.65,-0.46
2QRX,LYS_44,10.29,-0.27,0,0.06
1GQE,TYR_187,10.67,-0.02,-0.43,1.12
3K8J,ASP_259,3.53,-0.44,-0.11,0.28
2R0S,ASP_277,4.98,0,-0.03,1.22
4ETX,ASP_434,3.44,-0.64,0,0.28
3ODJ,HIS_169,5.59,-0.91,0,0
3BPP,GLU_163,3.64,0.37,-0.85,-0.38
3RNV,ARG_445,12.52,-0.23,0,0.25
2ZCO,ASP_56,2.94,-1.35,0,0.49
3EVP,ASP_179,3.27,-0.52,-0.49,0.48
2E3C,LYS_192,11.68,-0.26,0.85,0.58
1S17,ASP_250,3.35,-0.53,-0.25,0.34
4AF2,ASP_-3,4.02,0,0,0.22
3PU6,CYS_102,10.49,-0.37,0.07,1.8
1SUU,LYS_734,10.48,-0.05,0,0.02
2OPJ,ARG_124,12.45,-0.05,0,0
1JSX,ASP_146,3.2,-0.92,-0.04,0.36
3H6Q,LYS_31,10.92,-0.24,0,0.67
2F9F,GLU_141,3.76,0.5,-1.5,0.27
1WPA,ASP_516,1.98,-1.59,-0.68,0.45
3NBI,GLU_199,4.84,0.14,0,0.2
1J8S,GLU_68,4.61,0.11,0,0
2HP7,ARG_152,12.13,-0.39,0,0.01
2QK0,GLU_67,4.65,0.17,0,-0.02
1EDG,LYS_317,11.45,-0.3,0.83,0.43
3H04,GLU_3,4.53,0.31,0,-0.3
1KN3,ARG_82,12.36,-1.03,0.31,0.57
1RI6,ARG_243,12.66,-0.16,0,0.32
3JZN,ASP_390,3.23,-0.75,-0.25,0.42
1WXQ,HIS_341,5.75,-0.75,0,0
2CXC,LYS_108,11.52,-0.2,0.73,0.49
1QVI,ARG_17,13.13,-1.52,0.61,1.53
3EVN,LYS_82,10.66,-0.2,0,0.36
3T5B,ASP_44,3.39,-0.83,0,0.42
1LFP,LYS_145,10.13,-0.15,0,-0.22
1OST,ASP_382,3.85,-0.06,-0.07,0.17
4ECC,LYS_144,10.77,-0.15,0,0.43
1DCF,GLU_99,4.67,0.17,0,0
3CS1,LYS_55,10.45,-0.19,0,0.14
1AKO,GLU_46,4.14,0.36,-0.69,-0.03
1WPS,ARG_19,12.2,-0.78,0,0.48
1PVT,TYR_13,10.32,0,0,0.32
3C6B,TYR_278,12.29,-0.89,0.3,1.7
2W0G,LYS_240,9.97,-0.61,0,0.08
1S7K,GLU_18,4.53,0.5,-0.23,-0.24
2H8S,GLU_191,4.6,0.1,0,0
1QQE,ASP_250,4.58,0.24,-0.43,0.27
2XHC,LYS_132,10.58,-0.08,0,0.16
3UPD,LYS_213,10.47,-0.13,0,0.11
1WYC,ARG_33,12.43,-0.07,0,0
1V6T,LYS_17,10.17,-0.38,0,0.04
3KVO,ASP_29,3.52,-0.52,0,0.24
1NAR,TYR_116,12.31,-0.64,0.31,2.64
4DBX,TYR_190,10.07,0,0,0.07
2I6I,LYS_30,10.33,-0.25,0,0.08
3E5T,LYS_71,10.31,-0.19,0,0
3J29,ASP_480,2.45,-1.59,-0.06,0.3
3BQE,GLU_335,4.79,0.23,0,0.06
1YOY,GLU_16,2.55,0.6,-2.18,-0.38
1OGL,LYS_216,11,-0.99,0.85,0.63
2ILR,HIS_317,6.17,-0.74,0.35,0.06
3RFY,TYR_265,11.64,0,0.02,1.63
3JRT,LYS_29,11.39,-0.88,0.85,0.91
2Q98,HIS_30,4.9,-1.22,0,-0.38
3M7G,GLU_217,4.18,2.39,-1.54,-1.19
1MTZ,LYS_151,11.81,-0.37,0.87,0.82
3LME,LYS_72,10.59,-0.1,0,0.19
2XWS,ASP_110,3.35,-0.84,0,0.39
3BQW,LYS_26,10.35,-0.17,0,0.02
2I88,ASP_410,2.84,-0.79,-0.75,0.59
3I47,GLU_255,4.57,0.23,-0.1,-0.06
3LH5,LYS_737,10.21,-0.19,0,-0.1
3HVM,LYS_178,11.38,-0.32,0.79,0.41
1ZCU,GLU_118,5.68,2.87,-1.61,-0.08
2HRZ,GLU_297,4.58,0.2,0,-0.12
2OEW,LYS_207,10.32,-0.15,0,-0.04
2EDM,ARG_51,12.25,-0.18,0,-0.07
3DTE,ARG_149,12.89,-0.28,0.48,0.18
1SUU,GLU_598,2.91,1.22,-2.53,-0.27
1WRU,TYR_207,11.53,-0.75,-0.15,2.43
3EVP,TYR_197,10.32,0,0.18,0.14
2B0J,LYS_161,10.41,-0.22,0,0.13
3H04,GLU_152,4.38,0.14,0,-0.26
3EZ7,GLU_65,4.85,0.39,0,-0.04
3OIP,LYS_77,10.39,-0.11,0,0
1PBV,ASP_225,3.15,-0.76,-0.25,0.35
1MUF,GLU_135,4.5,0.09,0,-0.08
3RE9,TYR_124,10.3,0,-0.48,0.77
1U7U,GLU_335,4.44,0.36,0,-0.42
1Y0K,TYR_164,11.97,-0.04,0.07,1.93
2E3C,LYS_311,10.01,-0.34,0,-0.15
4ECC,LYS_138,10.67,-0.12,0,0.28
2G5X,ASP_77,3.08,-0.78,-0.36,0.42
1P1L,GLU_61,3.6,0.26,-0.7,-0.46
1XDZ,ARG_210,12.94,-1.08,0.57,0.96
3G59,ASP_76,3.95,0,-0.06,0.2
1L2F,ARG_160,12.44,-0.21,0,0.15
1SIG,ARG_374,12.43,-0.11,0,0.04
3BPV,LYS_106,10.07,-0.33,0,-0.1
2GEN,ASP_91,3.23,-1.31,-0.46,1.2
3RHE,LYS_13,10.47,-0.05,0,0.03
3RFF,ASP_94,3.5,-0.67,0,0.37
2BAA,ASP_209,1.69,-2.09,-0.74,0.71
3GVO,ARG_187,13.31,-0.4,0.72,0.48
3ELI,GLU_104,4.64,0.35,0,-0.21
1S17,GLU_145,3.94,0.96,-1.39,-0.13
1ZHV,HIS_135,6.39,-0.11,0,0
1YW5,GLU_98,3.66,0.28,-1.05,-0.08
3NR5,HIS_24,7.05,-0.41,0.6,0.37
3QKY,ARG_145,13.35,-0.44,0.57,0.72
3FHF,GLU_192,5.18,1.56,-0.83,-0.06
1SBX,GLU_159,4.66,0.25,0,-0.09
1IDK,TYR_305,10.36,0,0.14,0.22
3PP8,LYS_121,10.41,-0.09,0,0
2ZCO,HIS_207,6.59,-0.3,0.0,0.39
1PCC,ASP_29,2.67,-1.25,-0.44,0.57
3LJC,GLU_243,4.71,0.21,0,0
1ZYL,ARG_197,10.6,-1.98,0,0.09
3CAX,LYS_239,10.84,-0.6,0.54,0.39
1PSW,LYS_2,10.37,-0.38,0,0.24
1SUU,GLU_732,4.2,0.34,-0.26,-0.38
2IQT,ARG_261,12.03,-0.49,0,0.03
2O8I,LYS_152,10.28,-0.22,0,0
2QEV,ARG_17,13.26,-0.33,0.66,0.43
1IDK,LYS_47,10.64,-0.44,0.22,0.36
1ILW,HIS_71,5.94,-2.73,0.88,1.29
3IVF,TYR_216,12.43,-0.28,-0.24,2.94
4GA2,GLU_41,4.52,0.4,-0.12,-0.27
4ESS,ASP_81,3.79,0,-0.18,0.17
3RFY,ASP_300,4.06,0,-0.1,0.36
3RFY,LYS_116,10.67,-0.12,0,0.3
1PNE,GLU_116,4.7,0.24,0,-0.04
1P6F,GLU_117,4.13,0.36,-0.71,-0.02
1DZF,GLU_81,5.07,1.8,-0.83,-0.4
3K1H,LYS_131,10.76,-0.95,0.22,0.99
4FLE,GLU_47,4.97,0.39,0,0.08
4F8S,GLU_239,4.52,1.03,-0.64,-0.37
1FQI,GLU_348,4.82,0.42,0.16,-0.25
3P51,ARG_52,12.81,-3.48,0.67,3.13
1IAP,GLU_212,4.63,0.08,0,0.05
1XDZ,GLU_26,4.06,0.77,-0.79,-0.43
2FL7,ARG_169,12.32,-0.41,0,0.24
3TRE,GLU_80,4.88,0.21,0,0.17
1U3Y,LYS_343,10.11,-0.24,0,-0.15
1O59,LYS_168,12.47,-1.32,1.3,1.99
2BCF,ARG_109,13.63,-0.4,0.9,0.62
3C38,ARG_95,12.31,-0.4,0,0.21
3UPD,GLU_309,4.54,0.12,0,-0.09
3F6M,LYS_71,10.28,-0.22,0,0
1P2F,TYR_204,11.4,-0.21,0.26,1.34
2FM9,LYS_118,10.58,-0.16,0,0.24
3GEC,ARG_522,12.36,-0.14,0,0
1GPP,ARG_33,13.16,-0.15,0.56,0.25
3UAH,TYR_255,11.05,-0.84,-0.43,2.31
1WP5,LYS_220,10.58,-1.18,0.83,0.43
3I0C,LYS_82,10.02,-0.43,0,-0.05
2Q13,GLU_27,4.69,1.5,-0.85,-0.46
3EOD,ARG_99,12.36,-0.14,0,0
1RI5,LYS_195,10.59,-0.24,0,0.33
2YWJ,LYS_174,11.51,-0.3,0.62,0.69
1RI6,HIS_286,5.94,-1.23,0.7,-0.03
2Q34,GLU_134,3.19,0.59,-1.72,-0.18
1PVT,GLU_55,3.77,0.44,-0.38,-0.79
1RWZ,ASP_157,3.1,-0.7,-0.64,0.64
3CAX,ASP_249,3.45,-0.58,-0.49,0.73
3P2F,ASP_190,3.05,-0.65,-0.36,0.27
3N2T,ASP_12,3.82,0,-0.13,0.15
2FC3,LYS_49,10,-0.52,0,0.03
2IXM,TYR_151,13.86,-1.65,1.16,4.36
2B6P,GLU_134,6.05,4.29,-2.54,-0.2
2VGM,ASP_296,4.87,0.54,0.53
2B3M,GLU_70,4.55,0.14,0,-0.09
2R57,HIS_345,6.18,-0.84,0.04,0.48
2F4Q,TYR_225,13.87,0.77,0.43,2.67
1JB3,TYR_44,11.48,0,1,48
3CQ1,GLU_94,3.71,0.22,-0.81,-0.19
1TR9,HIS_260,6.26,-0.25,0,0.01
2H2Z,GLU_178,4.88,0.21,0,0.18
3ONH,ASP_496,3.7,0,-0.29,0.19
2PSD,LYS_114,10.38,-0.12,0,0
3B87,CYS_249,10.9,-1.46,0.05,3.32
3GEC,ARG_345,12.33,-0.22,0,0.05
1HUU,ARG_403,12.38,-0.27,0,0.16
1UOH,LYS_213,11.54,-0.53,0.85,0.73
2Q98,TYR_169,11.03,0,0.21,0.82
1DUP,ASP_107,3.95,0,-0.03,0.18
1ZBM,GLU_253,4.13,0.34,-0.19,-0.53
2BT8,TYR_289,10.44,0,-0.05,0.49
2RFA,LYS_209,10.09,-0.41,0,0
1WRU,ARG_286,13.57,-1.23,1.34,0.95
2IF4,LYS_274,10.65,-0.97,0.85,0.26
4AF2,GLU_152,3.2,0.54,-1.87,0.04
1F2V,GLU_24,4.71,0.2,0,0.01
3M7D,ARG_245,12.34,-0.16,0.1,3.9E-17
3I82,LYS_167,11.49,-0.24,0.77,0.46
3GG6,GLU_53,4.53,0.1,0,-0.06
2QDJ,GLU_137,4.61,0.19,0,-0.09
4F85,HIS_189,6.63,-0.33,0,0.45
2HXB,LYS_57,11.07,-0.17,0.35,0.38
3F5D,ARG_183,13.06,-0.45,0.38,0.63
3T57,LYS_55,10.46,-0.04,0,0
3FK5,LYS_159,10.5,-0.24,0,0.24
2IXM,HIS_155,4.76,-2.69,0.5,0.44
3MTT,GLU_440,4.37,0.39,-0.23,-0.29
2WB8,LYS_759,10,-0.36,0,0
3E7P,GLU_84,4.17,0.26,-0.08,-0.51
2A4D,ARG_157,12.4,-0.4,0,0.31
4FZN,ASP_190,3.52,-0.59,-0.11,0.43
3HVM,LYS_184,10.32,-0.18,0,0.01
3HUE,ASP_9,3.98,0,-0.01,0.19
1RL0,ARG_237,12.73,-0.32,0.22,0.33
2V81,LYS_69,10.46,-0.15,0,0.11
1KW4,LYS_70,10.37,-0.37,0,0.24
3GV0,GLU_227,4.86,1.56,-0.63,-0.58
4F3J,GLU_200,4.37,0.17,-0.19,-0.11
2G5X,GLU_22,3.66,0.41,-0.85,-0.39
1PM5,LYS_246,10.43,-0.07,0,0
3YU6,LYS_48,10.62,-0.21,0,0.33
1YW5,LYS_87,10.13,-0.8,0,0.43
3CAX,ARG_430,12.52,-0.08,0,0.1
3FHF,LYS_103,9.86,-0.7,0,0.07
2G9D,ARG_173,12.48,-0.24,0,0.22
2JEO,HIS_153,5.57,-1.08,0.38,-0.24
1J33,ARG_32,10.99,-2.01,0,0.5
1BYI,TYR_36,13.22,0,0.12,3.11
1WPA,TYR_474,10.57,0.28,0.28
3G9G,GLU_77,4.59,0.09,0,0
2CXA,GLU_100,4.79,0.35,0,-0.06
3ETU,CYS_257,12.92,-0.08,0.31,3.69
1ZYL,LYS_315,10.57,-0.19,0,0.26
1VSM,HIS_93,4.52,-1.69,0,-0.3
3A7L,LYS_105,10.56,-0.15,0,0.21
2QDJ,CYS_283,10.31,0,-0.04,1.35
1P6F,CYS_27,9.8,-0.72,-0.08,1.61
1GQE,LYS_74,10.61,-0.16,0,0.27
2AZP,ARG_173,13.13,-0.29,0.61,0.31
3RJX,GLU_257,4.5,1.22,-1.24,0.02
3GYW,ARG_105,13.3,-0.31,0.51,0.6
2D0A,ARG_283,12.24,-0.29,0,0.03
1RI5,ASP_129,2.97,-0.55,-0.55,0.27
2O8P,HIS_153,4.98,-2.27,0.85,-0.1
3JZ9,GLU_386,4.25,0.74,-0.83,-0.15
2YWJ,GLU_36,4.48,0.18,0,-0.2
2B2H,TYR_377,10.06,0,0,0.06
1F2V,ARG_52,12.7,-0.25,0.07,0.39
2RH3,ASP_100,4.22,-0.82,0.1,2.4
1YOY,TYR_119,11.45,0.27,0.41,0.77
3BPP,LYS_178,10.55,-0.09,0,0.14
1RSS,ARG_115,12.42,-0.25,0,0.17
4ECC,GLU_147,4.74,1.37,-1.07,-0.06
2GEN,ASP_33,2.89,-0.9,-0.38,0.38
2P65,GLU_169,4.66,0.37,0,-0.21
4F85,ARG_197,13.73,-0.79,1.42,0.59
2Q98,LYS_142,10.26,-0.17,0,-0.07
4GCO,ASP_173,3.96,-0.54,0,0.7
3V46,ARG_377,12.84,-0.23,0.29,0.27
3JSN,ASP_90,2.49,-1.42,-0.36,0.48
1QQH,LYS_173,10.16,-0.09,0,0.16
3O6B,ARG_7,12.16,-0.33,0,-0.01
1LTU,GLU_109,4.48,0.38,-0.17,-0.22
1NAF,ASP_269,3.78,0,-0.32,0.3

2Q34,ARG_88,13.4,-0.31,0.81,0.39
 2OVZ,LYS_14,10.39,-0.12,0.0,0.02
 3FK5,CYS_219,9.96,-0.25,-0.09,1.3
 3M7G,GLU_190,4.5,0.18,0,-0.19
 1ZP2,ASP_31,4,0,-0.04,0.23
 3MIX,GLU_621,4.66,0.64,-0.24,-0.24
 2JHY,TYR_133,9.72,0,-0.73,0.45
 2PLQ,LYS_93,10.44,-0.18,0,0.12
 1PGV,ASP_234,2.87,-0.93,-0.66,0.65
 3CNU,GLU_52,2.69,0.31,-1.39,-0.73
 1EDG,LYS_142,11.27,-0.57,0.85,0.5
 3V4G,GLU_28,4.65,1.02,-0.85,-0.01
 2CW4,TYR_90,12.01,-0.85,0.38,2.47
 3MTT,ASP_575,3.59,-0.14,-0.58,0.52
 3MEW,ARG_209,12.15,-0.39,0.03,0.01
 2OSA,LYS_325,10.46,-0.33,0,0.29
 3RVC,GLU_196,4.65,0.1,0,0.06
 3LPZ,TYR_171,11.45,0,0.08,1.37
 3ETV,GLU_20,5.15,0.54,0,0.11
 3EOH,GLU_30,3.44,0.26,-1.3,-0.02
 2Z14,ARG_70,12.97,-0.58,0.28,0.76
 3EST,LYS_207,10.44,-0.1,0,0.04
 1MIX,ASP_397,3.89,0,-0.06,0.15
 3EVZ,ARG_132,12.25,-0.28,0,0.02
 2F4Q,GLU_315,4.95,0.32,0,0.14
 3QAV,TYR_148,12.97,0.75,0.12,1.2
 3GW3,ASP_355,4.45,0,-0.17,0.83
 3JSN,GLU_41,3.18,0.62,-1.51,-0.43
 2C13,ASP_209,3.42,-0.44,-0.23,0.29
 3KV0,GLU_129,4.16,0.4,-0.85,0.11
 2G55,ARG_102,12.45,-0.05,0,0
 1PBV,LYS_64,10.15,-0.33,0,-0.01
 4FZN,GLU_90,6.3,1.31,-0.02,0.52
 3RKV,GLU_274,4.62,0.12,0,0
 3JZN,ARG_436,13,-1.47,0.85,1.13
 3TOW,ASP_118,2.7,-0.85,-0.57,0.32
 3FTT,GLU_10,4.61,0.17,0,-0.06
 1YW5,ASP_65,4.26,0.0,0.21,0.25
 3N2T,ASP_193,3.67,-0.7,-0.22,0.79
 3O7K,LYS_12,10.47,-0.06,0,0.04
 4EZB,HIS_229,5.95,-0.48,0,-0.06
 1EDG,LYS_248,9.89,-0.77,0,0.16
 1RL0,GLU_106,3.08,1.14,-2.03,-0.55
 1O17,GLU_199,2.63,1.1,-1.99,-0.98
 1R3D,HIS_211,5.16,-1.34,0,0
 3BQE,ASP_265,2.76,-1.91,-0.43,1.3
 3FHF,HIS_-2,6.37,-0.13,0,0
 1IAP,LYS_94,10.43,-0.12,0,0.05
 1ZP2,CYS_172,10.73,-0.28,-1.19,3.2
 2FZP,TYR_272,12.36,-0.03,-0.17,2.56
 3S0A,GLU_78,4.39,0.14,0,-0.26
 2FPN,ASP_19,3.07,-0.85,-0.38,0.5
 4E6S,GLU_19,4.02,0.19,-0.66,0
 2OBI,HIS_15,5.2,-1.28,0,-0.01
 1X04,LYS_149,11.43,-0.39,0.62,0.71
 2FB6,LYS_37,10.61,-0.11,0,0.22
 3FTT,ARG_182,12.32,-0.18,0,0
 3H13,ARG_338,12.29,-0.18,0,-0.03
 1OIS,ASP_233,2.81,-1.62,-0.05,0.68
 1GXN,GLU_527,3.75,2.65,-2.19,-1.21
 1SNT,TYR_151,10.81,-0.53,-0.24,1.59
 1BYI,ARG_51,12.3,-0.6,0,0.4
 2RH3,GLU_197,4.73,1.81,-1.71,0.12
 2AD1,CYS_124,11.19,-0.13,0.09,2.22
 2DG7,LYS_51,9.47,-1.33,0,0.29
 2Z61,LYS_45,10.79,-0.12,0,0.41
 1UAJ,ASP_231,3.81,0,-0.12,0.13
 3ERF,TYR_68,10.05,0,0,0.05
 1FQI,LYS_352,10.6,-0.18,0,0.28
 1R5Q,GLU_94,3.54,0.34,-1.27,-0.03
 2CBE,LYS_252,10.38,-0.38,0,0.26
 2H14,ARG_181,12.38,-0.14,0,0.01
 2AH5,ASP_62,3.54,-0.56,0,0.29
 3I4T,ASP_257,4.01,0,0.06,0.15
 1R6Y,LYS_26,10.31,-0.2,0,0.01
 3DSH,LYS_358,11.66,-0.37,0.46,1.09
 3F6F,CYS_12,11.29,-1.57,-0.29,4.16
 1RWZ,ASP_150,3.32,-0.57,-0.22,0.31
 1J8B,ARG_82,12.47,-0.31,0,0.28
 4EVF,GLU_147,4.65,0.17,0,-0.02
 3BA1,LYS_145,9.95,-0.7,0,0.17
 2R57,GLU_182,4.64,0.09,0,0.05
 2FG1,TYR_86,9.79,0,-0.37,0.16
 3M70,CYS_122,11.44,0,0.41,2.03
 1X04,TYR_148,9.89,0,-0.34,0.23
 3L0D,ASP_105,3.98,0.0,0.02,0.16
 3O16,ASP_143,3.74,-0.77,-0.09,0.8
 2A6B,TYR_163,11.46,0.34,1.12
 3HQX,ASP_32,2.31,-1.81,-0.08,0.4
 2H14,HIS_178,2.39,-2.67,0,-1.44
 1DUP,HIS_78,6.08,-0.34,0,-0.08
 2RJD,LYS_307,10.38,-0.12,0,0
 1G5Z,GLU_171,4.93,1.35,-0.68,-0.24
 3RE9,ARG_233,13.1,-1.27,0.79,1.09
 2QDJ,TYR_239,12.44,-0.16,0.46,1.81
 1TLV,LYS_257,10.65,-0.15,0,0.3
 3U0V,ARG_11,13.01,-0.79,0.77,0.53
 3G9G,ARG_26,13.54,-0.31,0.84,0.52
 4FH3,ARG_323,12.29,-0.21,0,0
 1X04,ARG_221,12.83,-0.43,0.3,0.46
 2Z0W,ARG_67,12.45,-0.09,0,0.04
 1ES9,HIS_188,6.33,-0.25,0,0.08
 1XTD,ASP_53,3.68,0,-0.41,0.29
 1PGV,GLU_225,4.43,0.38,-0.07,-0.37
 3LH5,LYS_733,9.67,-0.3,0,-0.53
 3N2T,HIS_80,6.03,-1.34,0.47,0.4
 4AE7,LYS_213,10.75,-0.4,0,0.66
 4ETX,ARG_273,12.62,-0.24,0,0.36
 2D2S,ARG_753,12.47,-0.03,0,0
 1MML,LYS_152,11.2,-0.64,0.73,0.61
 1MUFA,ARG_258,12.39,-0.14,0,0.03
 1JKS,HIS_80,6.08,-1.01,0.5,0.59
 3B21,HIS_68,3.58,-3.5,0.83,-0.26
 3DZ1,ARG_263,12.41,-2.67,0.2,57
 4H86,LYS_79,10.7,-0.16,0,0.36
 3C0C,TYR_359,10.45,0,0.18,0.26
 1V43,ASP_333,3.93,0,-0.07,0.2
 1O17,ASP_277,3.99,0,-0.01,0.2
 1PDB,ASP_21,3.75,-0.24,-0.1,0.29
 3F1X,HIS_194,5.16,-1.11,0,-0.23
 1YLN,ASP_192,1.46,-2.76,-0.32,0.75
 3M66,ARG_245,12.2,-0.34,0,0.04
 4FH3,LYS_98,10.35,-0.3,0,0.15
 3UC9,LYS_51,10.62,-0.16,0,0.28
 3GYW,GLU_118,5.0,0.35,0,0.14
 2DFL,HIS_125,3.55,-3.18,0.86,-0.62
 3GV0,GLU_145,4.61,0.26,0,-0.15
 3FFM,TYR_44,9.91,-0.45,0.18,0.18
 2B0J,GLU_168,4.68,0.1,0,0.08
 1C44,LYS_58,10.57,-0.09,0,0.16
 3U2R,TYR_25,10.09,0,-0.19,0.28
 1EDG,HIS_123,6.17,-2.34,0.66,1.34
 1WNN,LYS_162,11.11,-0.66,0.85,0.42
 3LD1,TYR_26,12.44,0.41,2.03
 2CIU,GLU_143,4.53,0.65,0,-0.61
 3C09,ARG_54,12.75,-0.21,0.23,0.23
 2NRK,LYS_33,10.63,-0.18,0,0.31
 3MIX,ARG_373,12.32,-0.22,0,0.04
 3ANJ,ASP_328,4.64,0,-0.11,0.95
 2POY,LYS_31,10.84,-0.24,0.23,0.34
 4EKU,LYS_188,10.25,-0.76,0.11,0.4
 1T95,ASP_77,3.48,-0.78,0.08,0.38
 2DG7,GLU_165,4.52,0.11,0,-0.1
 1OIS,LYS_286,10.89,-0.41,0.62,0.18
 3EYE,LYS_122,11.39,-0.42,0.85,0.47
 1P4X,TYR_203,10.65,-0.08,0.05,0.68
 3I4T,HIS_33,6.08,-0.69,0,0.27
 2B61,ASP_58,3.93,-0.21,0.11,0.23
 1O9G,ARG_137,13.01,-0.7,0.75,0.46
 1J33,ARG_320,12.33,-0.35,0,0.18
 3IVF,GLU_126,3.83,0.43,-0.83,-0.27
 3CE7,CYS_57,9.5,-0.08,0.36,0.23
 2YT4,GLU_652,4.23,0.38,-0.33,-0.32
 2G2D,ARG_141,12.07,-0.3,0,-0.12
 3E7P,LYS_88,10.73,-0.22,0,0.46
 1X1E,LYS_58,10.42,-0.32,0,0.24
 1ANU,TYR_69,10.2,0,0,0.2
 1XWM,ARG_139,12.37,-0.36,0,0.23
 3GV0,LYS_302,10.41,-0.26,0,0.18
 3FHF,TYR_155,10.47,0,0.3,0.17
 2H2W,TYR_136,10.83,0,0.13,0.7
 2AZL,GLU_281,4.56,0.21,-0.15,0
 3AD0,ARG_31,13.81,-0.2,1.1,0.42
 3LJN,GLU_150,4.15,0.27,-0.25,-0.37
 2WB8,LYS_658,9.89,-0.78,0,0.17
 1TXJ,LYS_122,10.4,-0.1,0,0
 2P52,CYS_179,9.41,-0.08,0.13,0.35
 1U7U,ARG_339,12.62,-0.37,0,0.5
 2XWS,TYR_17,11.14,-0.73,-0.09,1.95
 3LJC,ARG_132,12.5,-0.2,0,0.2
 2NYC,TYR_272,10.4,0,-0.05,0.45
 3CRM,LYS_267,10.6,-0.18,0,0.28
 2APL,ASP_47,4.08,0,0,0.28
 3GEC,TYR_318,9.23,-0.58,-0.45,0.26
 1NEK,CYS_40,9.75,0,0.05,0.7
 2EED,TYR_41,10.12,-0.22,0.02,0.32
 1RAJ,GLU_449,4.69,0.21,0,-0.02
 1D2K,LYS_221,10.31,-0.36,0,0.18
 3C6B,TYR_175,12.43,0.07,0.54,1.82
 3H6Q,GLU_167,4.68,0.18,0,0
 3NBJ,GLU_80,4.7,0.22,0,-0.01
 1TWU,HIS_44,6.29,-0.21,0,0
 3IVF,ASP_53,3.38,-0.77,-0.05,0.4
 1YMS,LYS_188,10.57,-0.12,0,0.19
 1AKO,GLU_249,3.66,0.21,-0.85,-0.21
 1RHS,GLU_77,3.93,0.34,-0.83,-0.08
 2EJX,LYS_87,11.2,-0.39,0.25,0.83
 2EJX,LYS_135,10.45,-0.05,0,0
 2B0A,ARG_180,13.9,-0.27,1.21,0.46
 2F9F,ASP_40,3.45,-0.41,-0.25,0.31
 3CRM,GLU_72,3.87,0.4,-0.83,-0.19
 3HQX,LYS_14,10.21,-0.29,0,0
 2I6I,GLU_43,4.91,0.32,0,0.09
 2ILR,LYS_393,11.13,-0.59,0.45,0.76
 2EFK,ARG_16,12.4,-0.22,0,0.12
 1H4U,LYS_614,10.78,-0.13,0,0.41
 2R51,LYS_264,10.56,-0.13,0,0.19
 3A4C,HIS_553,6.38,-0.12,0,0
 2HP7,GLU_180,5.03,0.53,0,0
 1Z3X,GLU_36,4.1,0.39,-0.56,-0.23
 2GZR,LYS_153,10.3,-0.4,0,0.22
 3EYE,LYS_48,10.42,-0.08,0,0
 1MML,ARG_173,12.1,-0.76,0,0.36
 2IF4,LYS_191,10.09,-0.41,0,0
 3EUR,LYS_101,12.56,-0.64,1.7,0.99
 3PZ9,HIS_228,6.73,-2.18,1.66,0.75
 2HRZ,GLU_94,4.13,0.3,-0.4,-0.27
 3HVM,GLU_263,4.01,0.23,-0.6,-0.12
 3ODJ,ASP_130,3.93,0,-0.15,0.28
 1O3X,ARG_260,12.27,-0.38,0,0.15
 3UC9,HIS_102,6.21,-0.29,0,0
 3M66,LYS_389,9.78,-0.73,0,0.01
 1WOU,LYS_86,10.35,-0.43,0,0.28
 3OA7,LYS_507,9.9,-0.3,0,-0.3
 3NBI,LYS_125,10.43,-0.07,0,0
 3N2T,ARG_232,13.39,-0.81,1.34,0.37
 2D2S,LYS_685,10.65,-0.11,0,0.26
 1XKR,LYS_8,11.31,-0.35,0.76,0.4
 2YWJ,LYS_28,10.63,-0.33,0,0.45
 2GZQ,ARG_154,12.16,-0.34,0,0
 2B61,ASP_277,2.63,-2.21,0,1.03
 3G9G,LYS_113,10.81,-0.15,0.17,0.29
 1RZ2,GLU_173,3.49,0.95,-1.46,-0.5
 4EVF,LYS_56,10.5,-0.15,0,0.16
 1WP5,GLU_306,4.6,0.56,0,-0.45
 4EKU,ASP_32,3.98,0,0,0.18
 3M16,LYS_13,10.18,-1.14,0.36,0.45
 3JRT,CYS_143,9.9,-0.8,0.04,1.67
 4ACJ,GLU_721,4.48,1.88,-1.38,-0.51
 4FZT,TYR_195,11.01,0,0.05,0.97
 1T6L,ARG_16,12.57,-0.36,0,0.13
 2P5D,TYR_47,12.54,0.03,2.51
 3GA2,TYR_147,11.67,0.2,3.1,1.33
 2P65,LYS_94,10.85,-0.2,0.49,0.06
 3VHJ,HIS_67,5.52,-2.34,0.88,0.49
 2YLF,ASP_158,4.52,-0.09,-0.14,0.95
 2IXM,CYS_165,13.63,-0.04,1.02,3.63
 3ZXY,HIS_15,6.51,-0.23,0,0.23
 3H04,LYS_5,10.47,-0.08,0,0.05
 3UAH,GLU_501,4.63,0.13,0,0
 1LTU,LYS_239,9.98,-0.24,0,-0.28
 3LJI,ARG_275,12.27,-0.25,0,0.02
 1WXF,LYS_144,11.25,-0.39,0.67,0.46
 3HUE,HIS_35,7.08,-0.52,0.85,0.25
 2WB8,GLU_776,4.61,0.63,0,-0.51
 3CGW,LYS_115,10.3,-0.2,0,0
 3ZSL,ARG_168,12.4,-0.11,0,0
 1X9G,ARG_40,11.45,-1.66,0,0.61
 1X7F,LYS_118,10.07,-0.53,0,0.1
 4GCO,ARG_256,12.26,-0.5,0,0.25
 3GE9,ARG_83,12.54,-0.3,0.05,0.29
 3ANJ,LYS_26,12.31,-0.39,1.43,0.76
 1N81,GLU_61,4.62,0.12,0,0
 1J8B,ARG_53,12.56,-0.18,0,0.23
 2D8N,LYS_150,10.37,-0.47,0,0.34
 1K95,LYS_197,6.2,-0.26,0,-0.04
 3CAX,ASP_292,2.57,-1.37,-0.38,0.52
 2Z0M,TYR_91,9.91,-0.2,-0.44,0.55
 4ETX,CYS_264,13.52,0.1,1.63,3.36
 1FKM,ARG_499,12.2,-1.85,0.42,1.13
 3V4G,ARG_83,12.21,-0.42,0,0.14
 3M3P,HIS_170,4.09,-2.57,0,0.16
 1P2F,LYS_17,10.34,-0.23,0,0.07
 3ERF,ASP_167,3.63,-1.17,-0.24,1.24
 3EVP,LYS_271,10.93,-0.29,0.36,0.36
 3OA7,ARG_452,12.67,-0.21,0,0.38
 3BPV,LYS_125,10.44,-0.08,0,0.2
 3G6S,ARG_5,13.57,-0.68,0.85,0.91
 1S1G,ARG_218,12.91,-0.19,0,0.6
 3BQW,GLU_181,4.58,0.24,0,-0.16
 3BCH,HIS_169,6.11,-0.42,0,0.04
 1QQE,ASP_3,3.52,-0.44,-0.25,0.41
 1WRU,GLU_280,3.8,0.66,-0.81,-0.54
 1NAR,GLU_56,3.53,1.09,-1.6,-0.47
 1OTM,HIS_219,6.27,-0.38,0,0.15
 1L2H,GLU_113,2.83,1.15,-2.37,-0.45

3A0X,ASP_638,3.55,-0.93,0.13,0.55
 2OKT,ARG_287,12.39,-0.15,0.0,0.04
 2P65,ARG_10,12.77,-0.73,0.65,0.35
 1Q8B,GLU_46,4.56,0.11,0,-0.04
 4EVF,ARG_89,12.46,-0.06,0,0.02
 1Y2Q,GLU_142,3.98,0.17,-0.62,-0.07
 2EA9,CYS_82,10.63,-0.13,0.45,1.3
 2VGM,ASP_78,4.28,0,0.26,0.22
 3QKY,ARG_251,12.8,-0.12,0,0.42
 2PWQ,HIS_133,6.06,-0.44,0,0
 2BAA,TYR_84,13.82,-0.85,0.38,4.29
 3O48,TYR_45,11.36,0,0.13,1.23
 3CCY,GLU_184,3.89,0.28,-0.69,-0.2
 3V55,GLU_531,3.51,0.47,-0.85,-0.61
 21QT,HIS_134,7.47,-0.36,0.85,0.49
 31O0,CYS_191,9.29,-1.03,0.16,1.17
 1R16,ASP_115,3.12,-0.56,-0.34,0.21
 1XAW,GLU_472,4.62,0.12,0,0
 2H2W,GLU_18,3.38,1.13,-1.62,-0.62
 2QEV,ASP_5,3.23,-0.82,-0.12,0.37
 2P52,CYS_121,10.99,0.61,1.38
 3M3P,GLU_193,3.93,0.27,-0.84,0
 2H14,ASP_242,3.32,-0.82,-0.2,0.53
 1ANU,ARG_72,12.41,-0.09,0,0
 2ZOM,ARG_160,10.85,-1.65,0,0
 1SIG,ARG_422,13.4,-0.6,0.38,1.13
 3P2F,ARG_75,12.17,-0.21,0,-0.11
 3B7X,TYR_118,12.19,0.46,1.73
 21LR,LYS_468,10.43,-0.25,0,0.18
 2G9D,GLU_251,4.46,0.24,0,-0.28
 3K9I,ASP_72,3.3,-0.73,-0.06,0.29
 1SFE,ASP_82,3.92,0,-0.26,0.38
 3LJC,ARG_38,12.69,-0.2,0,0.39
 2DFL,ARG_294,12.05,-0.31,0,-0.14
 3LJI,TYR_176,10.24,0,0,0.24
 1DOV,LYS_105,10.52,-0.05,0,0.07
 1NIJ,TYR_280,10.41,0,0.16,0.25
 3V1Q,TYR_519,10.2,0,-0.15,0.34
 2D7U,ARG_244,12.49,-0.24,0,0.22
 3HNX,ASP_45,2.86,-1.32,0.06,0.31
 2POL,ASP_233,3.63,-0.49,0,0.32
 2IDC,HIS_53,6.74,-0.35,0.32,0.27
 1R9W,CYS_273,11.12,0,0.35,1.76
 1LPL,GLU_176,3.55,0.26,-0.75,-0.45
 2OEW,GLU_86,5.28,0.78,0,0
 2EDM,LYS_85,10.57,-0.18,0,0.25
 3I4T,ASP_261,4.28,0,0.18,0.3
 1X91,GLU_76,4.95,0.28,0,0.17
 1WYC,ARG_51,13.61,-0.26,0.92,0.45
 1PSW,CYS_41,10.86,0,0,1.86
 3GMS,TYR_100,11.27,0.05,0.56,0.66
 3A2Z,ARG_91,13.8,-0.55,1.21,0.63
 2VGM,GLU_343,5.15,0.76,-0.12,0.02
 3M66,HIS_213,5.39,-0.83,0.13,-0.42
 1QQ,GLU_104,4.31,0.16,0,-0.35
 1RL0,GLU_119,4.86,0.79,-0.61,0.18
 1SQH,ARG_278,11.78,-0.41,0,-0.31
 2FZP,CYS_238,12.27,0,0.09,3.17
 1EDG,ASP_234,3.81,0,-0.15,0.16
 3EVN,TYR_104,10.37,0,0.09,0.28
 2VAN,GLU_249,4.57,0.07,0,0
 1PSW,GLU_133,5.1,1.31,-0.66,-0.05
 31L3,ARG_42,9.67,-2.79,0,-0.04
 4GA2,TYR_48,10.33,-0.12,-0.38,0.83
 3R87,ASP_125,3.37,-0.44,-0.36,0.37
 2Q12,GLU_155,3.55,0.36,-0.82,-0.47
 2ZQ5,GLU_156,4.18,0.28,-0.51,-0.09
 3RFY,LYS_344,11.09,-0.25,0.54,0.29
 2X4J,ARG_79,12.44,-0.06,0,0
 2FL4,GLU_132,2.59,0.5,-1.99,-0.42
 2EDM,ARG_103,12.45,-0.05,0,0
 3F6F,GLU_126,4.44,0.1,0,-0.16
 1T3Y,ARG_18,12.67,-0.35,0.07,0.45
 1N81,TYR_168,10.08,0,0.02,0.06
 3FHF,ASP_161,3.87,0,-0.06,0.13
 3CCY,HIS_154,6.24,-0.2,0,-0.06
 2QEV,LYS_9,11.51,-0.29,0.85,0.45
 1YLN,ARG_165,12.26,-0.41,0,0.17
 21LR,GLU_474,3.62,0.21,-0.67,-0.42
 3HKX,ASP_40,3.16,-0.72,-0.33,0.4
 2D0A,ARG_278,12.83,-0.26,0.33,0.26
 1TJE,ASP_109,3.81,0,-0.2,0.21
 1LZL,HIS_141,5.69,-0.81,0,0
 3QKY,TYR_257,10.18,-0.27,-0.13,0.59
 1JSX,ARG_160,13.52,-0.79,0.96,0.86
 2CBE,HIS_15,6.04,-0.41,0.47,-0.52
 3GV0,GLU_92,4.37,0.44,-0.19,-0.39
 2R14,TYR_98,10.3,0,-0.11,0.41
 2RGY,GLU_135,4.7,0.33,-0.16,0.02
 4F85,GLU_132,3.84,2.25,-1.57,-1.34
 3LQE,ARG_476,12.35,-0.26,0,0.11
 1DZF,ARG_52,13.34,-0.21,0.67,0.38
 1ZYL,ARG_26,12.79,-0.14,0,0.43
 3RJZ,GLU_114,2.7,0.39,-1.4,-0.78
 2EFK,LYS_132,10.57,-0.11,0,0.17
 3GMS,LYS_29,10.69,-0.15,0,0.34
 1J74,GLU_139,4.5,0.22,0,-0.21
 1YR6,ASP_195,3.96,0,-0.12,0.27
 1QQH,ASP_147,4.95,0.03,0.37,0.74
 3ZRJ,HIS_6,6.26,-0.24,0,0
 3FHF,HIS_133,3.21,-2.76,0.85,-1.38
 3V55,LYS_513,10.63,-0.27,0,0.4
 3N2T,ASP_133,2.88,-2.18,-0.01,1.29
 3US6,GLU_122,4.04,1.28,-1.26,-0.48
 1XWM,ARG_92,13.9,-0.56,0.83,1.14
 3RNV,TYR_337,11.53,0.48,0.43,0.62
 3I47,LYS_249,11.22,-0.21,0.43,0.5
 3A2Z,GLU_37,5.56,0.24,0.29,0.53
 3GOZ,LYS_266,10.5,0,0,0
 3H04,GLU_227,5.83,3.02,-1,-0.68
 3G9T,ARG_126,12.25,-0.35,0,0.09
 3HVW,ARG_317,13.3,-0.31,0.74,0.37
 1J85,GLU_10,3.47,0.57,-1.32,-0.29
 2RIK,HIS_223,5.95,-0.65,0,0.1
 4F8A,GLU_682,4.71,0.22,0,-0.01
 1AT0,ARG_369,12.52,-0.24,0,0.26
 1XAW,LYS_512,11.29,-0.3,0.78,0.31
 3PU6,GLU_43,4.19,0.43,-0.8,0.06
 3P2F,ARG_123,13.15,-0.37,0.65,0.36
 3T5B,GLU_139,4.66,0.19,0,-0.02
 2A0J,GLU_107,4.51,0.16,0,-0.14
 1HF8,GLU_220,4.48,0.29,0,-0.31
 1HF8,LYS_38,11.2,-0.27,0.59,0.38
 4E8B,GLU_157,4.14,0.28,-0.45,-0.2
 1ZBP,GLU_96,4.59,0.09,0,0
 2Q5X,ARG_778,13.16,-0.23,0.46,0.44
 2O0K,ARG_154,11.72,-0.56,0,-0.22
 4DEZ,GLU_18,4.71,1.28,-0.85,-0.22
 1ESS,ASP_140,4.06,-0.09,-0.14,0.5
 2FZ4,HIS_202,7.34,-0.26,0.85,0.25
 1F2V,TYR_6,10.17,-0.08,0.01,0.24
 2NRK,ARG_96,12.07,-0.56,0,0.13
 1C44,ASP_66,3.65,-0.28,0,0.13
 2H30,ASP_149,3.38,-0.39,-0.24,0.22
 1JYH,TYR_123,10.39,0.09,0.3
 1ZP2,GLU_21,4.63,0.13,0,0
 3FRR,LYS_134,10.19,-0.19,0,-0.12
 1O9G,LYS_231,10.05,-0.19,0,-0.26
 3FHF,CYS_44,13.31,0,0.25,4.07
 1JSX,ASP_134,3.06,-1.55,-0.12,0.92
 2CIU,GLU_165,4.57,0.13,0,-0.06
 3CGW,LYS_61,10.48,-0.09,0,0.08
 2FBQ,GLU_156,2.92,0.69,-1.91,-0.35
 3C38,GLU_139,4.2,0.48,-0.32,-0.45
 3T57,ASP_129,2.57,-0.99,-0.94,0.7
 1UOH,LYS_23,10.63,-0.29,0,0.42
 4EZB,ARG_23,12.43,-0.26,0,0.19
 2R57,ARG_250,11.64,-1.8,0,0.95
 1O9G,ASP_15,1.94,-2.26,-0.79,1.19
 3C5V,LYS_206,10.37,-0.13,0,0
 2OPJ,GLU_83,4.59,0.26,0,-0.17
 2AD1,CYS_169,12.34,-0.04,0.09,3.29
 1OIS,GLU_225,3.65,0.35,-0.82,-0.38
 3GEC,HIS_395,3.38,-3.12,0,0
 2OEW,ARG_41,12.36,-0.21,0,0.07
 2OSA,TYR_443,10.17,0,-0.23,0.4
 3KV0,GLU_46,3.95,0.48,-0.7,-0.34
 1SUU,CYS_665,12.83,0,0,3.83
 3LOD,GLU_26,4.74,0.15,0,0.1
 1YM5,LYS_58,10.34,-0.41,0,0.25
 3HGQ,GLU_99,4.65,0.17,0,-0.02
 3CIV,GLU_218,4.74,0.33,0,-0.1
 2F9F,GLU_124,3.93,0.21,-0.41,-0.38
 3BQW,LYS_164,10.13,-0.48,0,0.1
 2GYZ,ARG_22,12.43,-0.17,0,0.09
 2YWK,GLU_61,4.02,0.37,-0.68,-0.16
 3BZT,TYR_324,10.43,0.06,0.38
 4E9E,HIS_454,6,-0.53,0.01,0.03
 2CXA,ARG_76,12.46,-0.04,0,0
 3FHF,LYS_39,10.04,-1.19,0,0.73
 3RLE,GLU_208,3.28,0.25,-1.47,0
 1G8P,ARG_224,12.34,-0.26,0,0.1
 3BZT,LYS_296,10.37,-0.19,0,0.06
 2POY,ASP_115,3.55,-0.52,0,0.28
 3GG6,ARG_147,13.69,-0.45,1.07,0.57
 2F4Q,LYS_174,10.14,-0.17,0,-0.19
 3HUE,LYS_267,10.41,-0.09,0,0
 1RI5,TYR_61,12.0,0.6,1.41
 3OKQ,GLU_593,4.94,0.29,0,0.16
 3LJC,GLU_10,4.5,0.33,0,-0.34
 3QKY,TYR_81,10.88,-0.26,0.1,1.14
 1MHN,ARG_120,12.47,-0.07,0,0.04
 3B4D,LYS_243,10.34,-0.18,0,0.02
 2Q07,ARG_400,12.35,-0.76,0.09,0.53
 3IVF,LYS_320,10.47,-0.03,0,0
 1DCF,GLU_42,3.72,0.44,-1.03,-0.19
 1W24,ASP_154,3.45,-0.52,-0.42,0.59
 3M7D,HIS_246,5.77,-1.62,0.84,0.05
 2IRM,GLU_97,4.02,0.23,-0.68,-0.03
 3G65,LYS_27,10.85,-0.28,0,0.64
 3DB9,ASP_25,3.88,-0.08,-0.01,0.18
 3LD1,LYS_257,10.03,-0.57,0,0.1
 1X6J,ASP_51,2.98,-1.18,-0.49,0.84
 1YLN,GLU_138,4.41,0.37,0,-0.48
 3I47,ASP_12,3.86,-0.24,-0.11,0.4
 3HVW,CYS_98,10.95,-0.28,0.12,2.11
 3JV1,LYS_224,10.36,-0.14,0,0.01
 1EW4,LYS_65,10.38,-0.12,0,0
 2G9D,HIS_147,6.64,-0.36,0.12,0.38
 3VJ8,GLU_156,2.36,0.81,-2.15,-0.79
 3HVW,CYS_263,11.94,-0.03,0.02,2.96
 2IDC,TYR_112,10.59,0,-0.1,0.69
 3LMF,GLU_115,4.81,0.24,0,0.06
 3V46,LYS_236,10.36,-0.16,0,0.01
 2A1V,ARG_45,12.25,-0.33,0,0.08
 3KV0,GLU_182,4.4,0.61,-0.81,0.09
 3COU,ARG_105,12.31,-0.19,0,0
 11LW,GLU_4,4.65,0.6,0,-0.45
 3CO1,GLU_70,2.94,0.43,-1.5,-0.48
 2BQQ,ARG_111,13.04,-0.27,0.38,0.42
 1CBY,LYS_115,10.19,-0.78,0.09,0.38
 1WOU,GLU_107,4.87,0.24,0,0.13
 2Q98,ARG_177,12.44,-1.45,0.2,1.17
 1O9G,TYR_64,12.46,-0.01,0.37,2.1
 31L3,HIS_85,6.29,-0.28,0.06,0
 1SQH,GLU_244,4.48,0.3,0,-0.32
 2YWJ,ARG_129,12.35,-0.41,0,0.26
 4H86,ARG_141,12.08,-2.17,0.76,0.99
 3C38,GLU_107,3.54,0.36,-1.02,-0.3
 4H86,TYR_73,10.62,0.03,0.39,0.23
 21F4,ARG_245,12.98,-0.35,0.25,0.58
 31BT,GLU_249,4.99,1.67,-1.2,0.03
 1QQL,GLU_81,4.1,0.41,-0.19,-0.63
 2ZCO,HIS_151,6.36,-0.22,0,0.08
 1J85,TYR_7,11.47,0.29,0.31,0.87
 2CN1,ARG_52,11.43,-1.62,0,0.55
 1RS5,LYS_70,9.98,-0.65,0,0.14
 1IAP,GLU_121,4.81,0.37,0,-0.06
 1T95,GLU_179,3.52,0.38,-1.12,-0.25
 3N2T,ARG_17,10.68,-1.82,0,0.01
 3PM2,LYS_13,10.32,-0.57,0,0.39
 2R1F,GLU_65,4.61,0.11,0,0
 1L2F,GLU_221,3.33,0.31,-1.11,-0.38
 2QRX,ASP_177,3.96,0,-0.08,0.25
 3RHE,LYS_17,10.43,-0.07,0,0
 1SBX,LYS_162,10.09,-0.54,0,0.13
 2RFA,ARG_190,12.53,-0.45,0,0.48
 2A6B,ASP_24,4.39,0,-0.01,0.6
 31OC,CYS_284,12.94,0.02,43.52
 1UJ8,GLU_62,4.64,0.14,0,0
 1WXQ,ASP_151,3.46,-0.24,-0.32,0.21
 3P2F,CYS_177,11.58,-0.1,0.24,2.44
 1XKR,LYS_48,10.3,-0.21,0,0.01
 3LJI,LYS_45,10.25,-0.22,0,-0.03
 2WB8,ARG_723,12.88,-0.47,0.46,0.39
 1O17,GLU_131,2.99,0.61,-1.6,-0.54
 2RH3,ASP_122,4.15,0,-0.54,0.88
 2ZCO,ASP_147,4.15,0,0.03,0.32
 350A,GLU_13,3.54,0.82,-1.44,-0.34
 3EVZ,GLU_114,3.77,0.18,-0.78,-0.13
 3BCH,ARG_128,12.63,-0.42,0,0.55
 1BKR,ASP_52,3.71,-0.41,0.07,0.25
 1QQE,GLU_142,4.96,0.71,-0.12,-0.14
 1QQH,HIS_108,6.58,-0.53,0.32,0.29
 3C6B,GLU_6,3.78,0.42,-0.77,-0.37
 2B0J,LYS_188,10.68,-0.12,0,0.28
 2FPN,TYR_50,12.82,0,0.32,2.5
 2YWK,ASP_44,2.09,-2.18,-0.25,0.7
 2E3S,ASP_545,3.93,0,0,0.13
 1HF8,LYS_252,10.74,-0.13,0,0.36
 1ZCE,HIS_54,5.47,-1.31,0,0.28
 216I,ARG_150,12.04,-0.47,0,0.01
 1WOU,LYS_104,9.89,-0.63,0,0.02
 2HXB,LYS_141,10.35,-0.29,0,0.14
 2OSA,LYS_362,11.17,-0.33,0.53,0.47
 1WXQ,HIS_107,4.51,-2.86,0.62,0.25
 1SQH,ASP_58,3,-0.92,-0.46,0.58
 3LMF,ASP_16,4.09,0,-0.03,0.32
 3RKV,LYS_189,10.46,-0.04,0,0
 4GCO,ARG_216,11.72,-1.38,0,0.6
 1T3Y,LYS_130,10.39,-0.1,0,-0.01
 1RAJ,ASP_349,3.7,-0.12,-0.32,0.35
 3BB7,TYR_343,10.13,0,0,0.13
 3VJ8,ASP_253,4.01,0,-0.01,0.22
 1L3K,TYR_167,10.12,0,0,0.12
 2BLL,ARG_497,11.63,-0.88,0,0.01

2Q13,HIS_180,6.29,-0.26,0.03,0.01
 1O6D,LYS_121,11.47,-0.26,0.85,0.38
 1Q8B,LYS_33,10.47,-0.17,0,0.14
 2P4D,TYR_54,10.33,0,0.01,0.32
 2FG1,GLU_133,4.09,0.18,-0.54,-0.05
 1PDB,TYR_162,9.65,-0.65,-0.43,0.73
 2VAN,HIS_285,6.26,-0.65,0.39,0.02
 1IDK,TYR_252,11.4,0,0.19,1.21
 3IRA,ARG_35,12.39,-0.31,0,0.2
 3QAV,GLU_34,4.77,0.95,-0.7,0.02
 2YYO,CYS_101,10.72,-0.47,-0.11,2.29
 2B78,LYS_56,10.26,-0.11,0,-0.14
 1O9G,ASP_50,3.74,-0.17,0,0.11
 2QV2,ASP_254,3.36,-0.81,0,-0.16,0.52
 3GFP,ARG_429,12.15,-0.34,0,-0.01
 2DFL,LYS_63,9.9,-0.52,0,-0.08
 2GZQ,HIS_157,6.34,-0.16,0,0
 4DIU,ASP_178,4,-0.15,-0.01,0.36
 2WB8,ARG_648,12.22,-3.65,1.51,1.86
 1HF8,LYS_226,10.43,-0.07,0,0
 3T57,ASP_204,3.94,-0.82,0.01,0.96
 3U2R,GLU_58,4.66,0.13,0,0.04
 2B2H,ARG_370,12.57,-1.3,0.67,0.7
 3FXH,HIS_5,6.81,-0.89,0.77,0.43
 2CN1,TYR_135,10.86,0,0.4,0.46
 2VAN,ARG_112,12.27,-0.25,0,0.02
 4DIU,TYR_104,12.38,0,0.41,1.97
 1KN3,ARG_76,11.73,-0.8,0,0.02
 3CRM,ARG_253,12.28,-0.27,0,0.05
 3RKV,GLU_273,3.18,0.42,-1.47,-0.27
 3HVM,GLU_71,4.81,0.5,0,-0.19
 1DVO,GLU_178,4.63,0.13,0,0
 3ZXY,ARG_267,12.57,-0.1,0,0.17
 1TD6,HIS_33,6.13,-0.43,0,0.06
 1BKb,LYS_78,10.39,-0.3,0.0,0.19
 3RLN,TYR_704,10.28,-0.03,-0.09,0.4
 3JZN,ARG_236,12.6,-0.26,0,0.36
 1PZC,ARG_114,11.46,-1.18,0,0.14
 3BWT,GLU_771,3.92,0.4,-0.62,-0.35
 4AM1,ARG_264,12.06,-1.08,0,0.64
 2VGM,TYR_219,11.1,0.35,0.74
 4DEZ,GLU_236,4.62,0.18,0,-0.07
 3LPZ,TYR_190,13.33,0,-0.05,3.38
 3DZ1,ARG_251,12.21,-0.39,0,0.09
 2D59,GLU_122,4.81,0.24,0,0.07
 3BPPLYS_81,10.45,-0.13,0,0.08
 2POL,LYS_198,10.55,-0.14,0,0.2
 1QQE,ARG_10,12.91,-0.31,0.41,0.32
 1NJ4,GLU_33,4.67,0.44,-0.1,-0.17
 1ZHV,ASP_30,3.88,-0.04,-0.09,0.21
 1DIO,LYS_45,10.97,-0.21,0.31,0.36
 2OSA,TYR_360,12.47,-0.45,0.64,2.28
 1XTZ,ARG_56,13.86,-0.82,1.13,1.06
 1OXZ,LYS_195,10.5,-0.08,0,0.08
 3ZXY,ARG_213,12.33,-0.3,0,0.14
 4ESS,GLU_98,4.41,0.34,0,-0.42
 4FD6,ARG_94,13.16,-0.39,0.36,0.68
 1WXF,TYR_147,12.91,0.84,0.56,1.52
 1YW5,TYR_24,10.3,0,-0.17,0.47
 1L2F,ARG_232,12.6,-1.34,0.77,0.67
 3CSV,GLU_374,4.61,0.19,0,-0.08
 4AM1,ARG_280,12.36,-1.69,0.75,0.79
 3CSV,LYS_236,10.11,-0.55,0,0.16
 3ADO,ASP_100,3.91,0,-0.06,0.17
 1ILW,GLU_25,4.35,0.2,0,-0.35
 3M66,ARG_282,12.29,-0.24,0,0.03
 2F24,GLU_170,4.46,0.95,-0.16,-0.39
 3V55,ASP_377,3.9,0,-0.21,0.31
 3G9T,LYS_213,10.52,-0.16,0,0.18
 3GEC,ASP_248,3.8,-0.16,-0.2,0.36
 2QDJ,GLU_170,4.58,0.27,0,-0.19
 1Z9L,LYS_45,10.21,-0.31,0,0.02
 3PM2,ASP_101,2.88,-0.81,-0.35,0.23
 3UAH,LYS_253,10.31,-0.19,0,0
 2BLL,TYR_477,9.61,-0.76,-0.28,0.65
 3C2E,LYS_136,10.43,-0.11,0,0.04
 2CWC,ARG_72,12.75,-0.32,0,0.57
 2H85,HIS_249,4.21,-2.76,0.8,-0.33
 2OKT,ASP_177,3.5,-0.65,-0.04,0.39
 1FKM,LYS_354,10.31,-0.23,0,0.04
 1WOU,GLU_73,4.99,0.35,0,0.2
 3BQW,LYS_148,10.52,-0.56,0,0.58
 1TLV,ARG_124,11.99,-1.26,0.01,0.74
 3Q1C,ASP_335,3.96,0,0.16
 2CE6,ARG_63,11.94,-0.6,0,0.03
 4ETX,ASP_177,3.48,-0.6,0,0.28
 1KCM,ARG_253,12.43,-0.07,0,0
 3IVF,LYS_268,10.33,-0.09,0,-0.08
 1JKS,ARG_63,13.5,-1.05,1.26,0.8
 3RKV,LYS_329,10.38,-0.12,0,0
 3BWT,LYS_634,10.56,-0.21,0,0.27
 3J5N,LYS_211,10.38,-0.18,0,0.06
 3M66,ARG_226,12.65,-0.94,0.66,0.42
 4E8B,ARG_123,12.25,-0.32,0,0.06
 1ZBP,LYS_102,10.47,-0.15,0,0.13
 3PBH,ARG_202,12.28,-3.17,0.11,2.83
 1LTU,ASP_23,3.17,-1.35,0.29,0.43
 3CJW,TYR_177,10.08,0,0,0.08
 3NR5,LYS_44,10.52,-0.44,0,0.47
 2ILR,CYS_328,12.09,-0.31,0.31,3.08
 2B78,TYR_39,10.19,0,-0.2,0.39
 2E3C,LYS_228,10.55,-0.18,0,0.24
 4FZR,ARG_322,13.42,-0.41,0.49,0.85
 3GE9,HIS_98,6.22,-0.19,0,-0.08
 2ZCO,HIS_263,6.88,-0.42,0.65,0.15
 1QZN,LYS_29,10.42,-0.16,0,0.07
 2P4D,ARG_29,12.68,-0.29,0.06,0.42
 1YR6,ARG_61,12.44,-0.16,0,0.09
 2XMZ,LYS_136,10.29,-0.15,0,-0.06
 1DCF,ARG_80,12.45,-0.05,0,0
 4ECC,GLU_37,4.13,0.36,-0.84,0.12
 4E65,LYS_45,10.46,-0.04,0,0
 3QKY,TYR_171,10.66,-0.4,-0.11,1.17
 3LJI,LYS_168,10.43,-0.07,0,0
 3ELI,GLU_7,4.34,0.34,0,-0.48
 1OST,LYS_374,10.35,-0.15,0,0
 2CI3,GLU_100,7.11,5.18,-1.48,-1.06
 3V55,GLU_368,4.4,1.28,-0.85,-0.53
 2FB6,ARG_95,13.87,-0.47,0.96,0.89
 2WZ9,GLU_78,4.62,0.1,0,0.01
 3US6,ASP_65,4,0,-0.21,0.41
 4ESS,ARG_71,13.65,-0.33,0.86,0.62
 2BQZ,ARG_63,12.58,-0.27,0,0.35
 3QAV,LYS_204,10.26,-0.25,0,0
 1UXO,ASP_153,3.67,-0.09,-0.25,0.21
 1Q2Y,GLU_32,4.61,0.11,0,0
 2AD1,TYR_15,10.3,0,-0.12,0.42
 3BA1,GLU_88,4.03,0.32,-0.47,-0.32
 2V81,GLU_37,7.37,3.46,0,-0.59
 2POL,TYR_179,12.82,0,0.71,2.12
 3MIX,GLU_612,4.7,0.2,0,0
 3EZ7,LYS_9,10.32,-0.13,0,-0.05
 3BWT,LYS_744,10.54,-0.33,0,0.37
 3RKV,LYS_292,11.46,-0.33,0.69,0.61
 1J85,TYR_142,10.7,0,0.06,0.64
 2BT8,ARG_282,12.25,-0.57,0,0.32
 1Q8B,LYS_81,10.47,-0.29,0,0.25
 1FO9,ARG_295,12.05,-2.74,0.6,1.7
 2P5D,LYS_37,10.39,-0.18,0,0.08
 1X1E,TYR_144,12.2,-0.07,-0.03,2.3
 2PWQ,ASP_122,2.53,-2.62,-0.02,1.37
 1XIP,ASP_264,3.66,-0.78,-0.01,0.65
 1Q46,ARG_54,12.38,-0.06,0,-0.06
 3OKQ,GLU_560,4.52,0.23,0,-0.2
 2CVB,TYR_26,10.42,0.11,0.31
 3UAH,GLU_469,4.74,0.26,0,-0.02
 1R29,CYS_53,10.78,0,0,1.78
 3CAX,LYS_147,10.2,-0.22,0,-0.08
 3AU3,ARG_402,12.46,-0.5,0,0.45
 2B78,LYS_86,10.56,-0.13,0,0.2
 2Q13,CYS_368,9.72,-0.04,-0.01,0.77
 1S17,GLU_86,4.55,1.02,-0.63,-0.35
 2QV2,ARG_263,12.43,-0.32,0,0.25
 3QAV,GLU_43,4.04,0.39,-0.51,-0.34
 2PPN,LYS_47,10.48,-0.16,0,0.13
 2CYG,CYS_32,13.28,-0.89,0.86,4.31
 3IVF,CYS_29,11.17,-0.03,-0.23,2.44
 1W24,ASP_109,3.24,-1.18,-0.76,1.38
 2Z61,ARG_285,12.6,-2.29,1.25,1.15
 4FLE,GLU_119,4.06,0.31,-0.16,-0.59
 2FZP,LYS_230,10.23,-0.29,0,0.02
 3U2A,GLU_74,2.55,0.37,-1.64,-0.69
 1TR9,TYR_84,13.34,0,0.3,34
 2AH5,HIS_138,6.47,-0.25,0,0.22
 1UXO,ASP_52,4.23,0.15,0.28
 3FHF,CYS_42,12.99,0,-0.26,4.25
 2OOK,HIS_191,5.96,-0.46,0.17,-0.26
 3RJK,ASP_187,2.94,0.54,-1.33,-0.76
 1R53,ASP_194,3.35,-1.36,0.09
 4EKU,LYS_35,10.47,-0.03,0,0
 2OOK,GLU_2,4.55,0.05,0,0
 3AUF,ASP_40,3.89,0,-0.03,0.12
 1X7F,HIS_183,6.53,-1.14,0.84,0.33
 1PV5,GLU_6,4.41,0.1,0,-0.19
 3IV4,ASP_95,3.97,0,-0.06,0.23
 1AM2,LYS_150,10.5,-0.11,0,0.11
 2PGX,GLU_205,4.62,0.23,0,-0.11
 1UAJ,LYS_27,10.23,-0.3,0,0.03
 2ZOM,LYS_122,11.05,-0.22,0.34,0.43
 1TJE,HIS_16,7.39,-0.31,0.85,0.35
 3NR8,ARG_194,12.58,-0.24,0.33
 1PB1,GLU_227,4.48,0.28,-0.31,0
 2BLL,GLU_521,4.96,0.45,0,0
 3GMS,HIS_157,5.35,-1.77,0.64,-0.01
 3GG6,GLU_86,4.18,0.28,-0.69,0.09
 2CIU,HIS_169,7.97,-0.59,1.7,0.38
 2BOJ,LYS_240,10.73,-0.35,0,0.58
 1V43,GLU_168,4.85,2.25,-1.44,-0.47
 3GW3,TYR_236,11.51,0,-0.19,1.71
 2EVI,ASP_210,3.05,-0.85,-0.4,0.49
 3FHF,LYS_16,11.97,-0.39,0.85,1.01
 1O59,LYS_87,11.06,-0.5,0.56,0.5
 2DOA,ARG_281,11.85,-0.35,0,-0.31
 3T57,ARG_246,12.4,-0.19,0,0.08
 2FBQ,GLU_183,4.73,0.24,0,-0.01
 3R87,ASP_50,3.89,0,-0.19,0.27
 2ATR,GLU_13,4.3,0.33,-0.44,-0.09
 2IRM,ASP_56,2.62,-1.53,-0.12,0.48
 3EVZ,TYR_43,10.29,0,0,0.29
 3PAC,ASP_21,2.94,-0.85,-0.38,0.37
 2R2Y,CYS_60,11.05,-0.34,0.5,1.89
 3L7N,ASP_230,2.55,-1.93,-0.51,1.18
 1YOY,LYS_56,10.4,-0.12,0,0.03
 3CJW,GLU_179,3.89,0.26,-0.43,-0.44
 3CW,LYS_343,10.03,0,0.38,0.66
 4AM1,LYS_216,11.43,-0.45,0.85,0.53
 3RVC,GLU_172,4.01,0.19,-0.59,-0.09
 1RI5,GLU_277,3.63,0.99,-1.85,0
 3FK5,HIS_50,6.19,-0.4,0,0.09
 2WB3,GLU_260,4.55,0.05,0,0
 1QQE,ASP_74,3.63,-0.25,-0.46,0.55
 4ETX,GLU_445,3.5,0.28,-0.72,-0.54
 3GS9,GLU_280,4.5,0,0,0
 2G9D,ARG_255,12.38,-0.21,0,0.09
 1GPP,LYS_4,10.9,-0.13,0,0.53
 3DZ1,GLU_127,4.7,0.15,0,0.05
 1G8P,ARG_328,12.47,-0.03,0,0
 3IOO,TYR_200,10.99,-0.01,0,1
 2D25,GLU_608,4.55,0.31,0,-0.26
 1GXN,ARG_567,11.69,-0.81,0,0
 2CL3,ARG_150,12.03,-2.13,0.77,0.88
 3CAX,HIS_301,5.86,-0.88,0,0.24
 3UX2,LYS_52,10.99,-0.52,0.4,0.6
 2R51,HIS_27,4.9,-1.62,0,0.02
 3CIV,ASP_256,3.84,0,-0.17,0.21
 3GA2,HIS_131,3,-0.88,0,-0.62
 1T6L,TYR_20,13.43,-2.85,0.17,4.11
 1AK1,GLU_174,4.79,0.2,0,0.08
 1X1E,TYR_27,10.34,-1.28,-0.27,1.89
 1WXQ,GLU_239,6.27,-0.68,0.1
 2BQQ,ASP_86,3.49,-0.85,-0.08,0.62
 1E59,HIS_209,5.79,-0.7,0,-0.01
 1TP6,TYR_5,10.56,0,-0.13,0.7
 3GS3,GLU_193,4.58,0.05,0,0.03
 3G9T,LYS_201,10.31,-0.19,0,0.01
 1NWA,TYR_44,12.23,0.1,38,0.84
 2AZP,HIS_170,5.18,-1.65,0.34,-0.02
 3EGN,GLU_405,4.69,0.22,0,-0.04
 3DZ1,LYS_151,10.27,-0.1,0,-0.13
 3PU6,TYR_97,9.88,-0.49,-0.38,0.75
 3M7G,ARG_252,12.54,-0.22,0,0.26
 1WRU,LYS_106,10.07,-0.43,0,0
 1Q5Z,GLU_543,3.89,1.23,-1.36,-0.49
 1R9W,ARG_287,13.85,-0.92,1.54,0.74
 2CI3,GLU_85,5.05,0.32,-0.14,0.38
 1W24,TYR_129,11.78,0.0,1.1,68
 1YTD,HIS_334,4.62,-1.48,0,-0.39
 3K8J,TYR_217,13.7,0.77,0.55,2.38
 1ZBP,LYS_227,10.55,-0.17,0,0.21
 1I60,GLU_12,4.81,0.33,0,-0.03
 1ZP2,GLU_143,4.62,0.32,0,-0.2
 2G55,ASP_99,3.33,-0.75,-0.03,0.31
 3ASA,GLU_29,3.94,0.24,-0.79,0
 1WXQ,GLU_137,4.81,0.33,0,-0.02
 1R53,LYS_207,11.29,-0.28,0.16,0.89
 2VGM,GLU_405,0.02,0.84,0,-0.32
 3MEW,TYR_154,11.32,-0.3,0.46,1.15
 3RJK,LYS_330,10.48,-0.11,0,0.09
 1YW5,GLU_149,4.04,0.53,-0.85,-0.14
 1Y0K,ARG_132,12.43,-0.37,0,0.3
 1AKO,ARG_173,12.29,-0.21,0,0
 3TOW,HIS_198,6.62,-0.17,0,0.2
 3GS3,GLU_222,4.72,2.09,-0.85,-1.02
 3M3P,HIS_247,7.18,-0.16,0.84,0
 3TOW,GLU_103,4.58,0.08,0,0
 3FK5,LYS_217,10.24,-0.11,0,-0.15
 3HYQ,ARG_174,12.37,-0.3,0,0.16
 3CN5,HIS_193,6.31,-0.17,0,-0.03
 3V3T,ASP_301,4.13,0,-0.01,0.35
 1X91,TYR_75,12.3,-0.85,0.18,2.97
 3IV4,ARG_47,13.02,-0.35,0.38,0.5
 2IQT,GLU_191,4.32,0.25,0,-0.43
 3CIV,HIS_223,5.56,-0.95,0,0.01
 2EYL,ARG_156,13.83,-0.29,1.23,0.38
 2RFA,ASP_57,3.37,-0.72,-0.1,0.39
 1J33,GLU_224,4.4,1.01,-0.7,-0.4

3016,GLU_218,3.23,0.47,-1.02,-0.71
2GEN,TYR_57,11.61,0,-0.24,1.86
2Q5X,GLU_852,3.88,0.28,-0.8,-0.09
3IBT,ASP_64,3.87,-0.02,-0.13,0.21
2FZP,GLU_252,3.55,0.56,-0.95,-0.56
1JSX,HIS_152,6.86,-0.57,0.83,0.11
1SI7,LYS_120,10.07,-0.35,0,-0.08
1XFK,CYS_319,12.32,0,-0.01,3.34
1AK1,HIS_116,3.23,-3.27,0,0
1O3X,ARG_255,12.65,-0.17,0,0.32
4GA2,ASP_111,2.75,-1.14,-0.37,0.46
2BDV,ARG_23,12.63,-0.14,0,0.26
4FCU,LYS_119,11.45,-0.81,1.01,0.73
2VGY,ASP_34,3.98,-0.1,0.1,0.19
3M7G,ARG_135,11.25,-0.91,0,-0.34
1WYC,ARG_376,12.27,-0.23,0,0
2YWX,ARG_111,12.46,-0.21,0,0.17
1DCF,ASP_125,3.9,0,-0.25,0.36
2FZP,ARG_210,13.15,-0.28,0.55,0.38
1N81,GLU_90,4.39,0.36,0,-0.47
3PAC,LYS_25,11.49,-0.24,0.85,0.38
3ZRI,HIS_40,4.08,-2.1,0,-0.32
3PZ9,ARG_374,12.75,-1.44,0.71,0.98
2IIA,ASP_42,3.18,-0.75,-0.21,0.34
1X91,LYS_100,10.41,-0.27,0,0.17
2X4G,GLU_97,4.62,0.12,0,0
1MUF,TYR_305,12.1,0,0.02,2.08
1MTZ,GLU_147,4.74,0.57,-0.02,-0.31
3JZN,GLU_238,5.96,1.68,0,-0.22
3K8U,TYR_29,10.94,0,-0.03,0.98
4FZR,ARG_71,12.29,-0.21,0,0
1K95,ARG_166,12.64,-0.19,0,0.33
3OA7,GLU_19,4.56,0.06,0,0
3OIP,ARG_86,12.18,-0.43,0,0.11
2VC8,CYS_14,10.3,0.0,11.1,1.19
2BT8,ARG_226,13.28,-0.85,0.89,0.74
3F1X,HIS_28,6.72,-0.34,0.56,0
4DIU,GLU_168,4.72,0.27,0,-0.05
1IAP,ASP_98,4.3,0,-0.14,0.64
2RFA,HIS_153,6.34,-0.61,0.66,-0.2
1GSZ,LYS_47,10.96,-0.18,0.31,0.33
4DEZ,ASP_181,3.75,-0.37,-0.06,0.39
1H4U,LYS_476,10.36,-0.39,0,0.26
2G3A,LYS_34,10.23,-0.27,0,0.01
1FO9,ARG_296,12.23,-0.45,0,0.19
4E8B,LYS_65,11.31,-0.32,0.72,0.41
2QK0,LYS_88,11.31,-0.35,0.57,0.58
2H2W,CYS_291,13.0,18.0,73.3,0.9
1SOH,ARG_262,12.2,-0.44,0,0.14
1YG2,LYS_23,10.5,0,0,0
3EUR,ASP_118,3.15,-1.46,-0.16,0.99
3O7K,ASP_13,3.88,0,-0.07,0.15
2DFL,ASP_201,1.95,-2.09,-0.55,0.79
4EZB,GLU_91,4.79,0.12,0,0.18
3GA2,ARG_220,12.22,-0.41,0,0.13
2BDV,HIS_162,6.44,-0.19,0,0.14
1O59,HIS_312,5.39,-1.63,0.77,-0.24
3M7G,ASP_239,2.63,-1.32,-0.33,0.49
4HDE,ASP_102,4.03,-0.85,-0.33,1.41
1SQW,LYS_50,10.4,-0.36,0,0.25
2WB3,LYS_309,10.45,-0.05,0,0
3RJZ,TYR_103,9.33,-0.59,-0.35,0.28
3RFF,LYS_55,10.21,-0.27,0,-0.02
1E55,ARG_171,12.17,-0.33,0,0
2AZL,GLU_241,4.54,0.32,0,-0.28
3AZZ,ASP_121,3.58,-0.68,-0.12,0.58
2AXO,GLU_62,3.49,0.21,-0.72,-0.51
3BB7,TYR_199,13.89,0.52,3.36
2YYO,ASP_76,4.04,0,0,0.24
4FH3,GLU_64,4.6,0.35,0,-0.25
1P2F,ARG_117,12.2,-0.27,0,-0.03
3PZ9,TYR_370,11.97,0.85,0.47,0.65
3MIX,ASP_366,4.07,0.0,0.08,0.19
3FRR,ASP_77,3.93,0,-0.24,0.37
1X04,ASP_145,3.48,-0.38,-0.53,0.61
2C2Y,GLU_84,3.38,0.89,-1.52,-0.48
2JHY,LYS_98,11.62,-0.39,0.85,0.66
3S0A,LYS_7,12.56,-0.55,1.7,0.91
3M7G,ASP_124,4.27,-0.01,0.21,0.27
1P4X,GLU_211,4.61,0.11,0,0
4EKU,LYS_295,10.49,-0.01,0,0
1I60,LYS_114,10.45,-0.2,0.0,0.15
2H8O,ARG_244,12.89,-0.86,0.84,0.41
1G8P,GLU_132,5.07,0.45,0,0.12
2I6I,ASP_75,2.47,-1.53,-0.4,0.59
3OIP,ARG_116,12.76,-0.22,0,0.48
1ZBM,ARG_196,12.25,-0.53,0,0.28
1FO9,ARG_165,12.27,-0.37,0,0.14
2F4Q,ARG_94,13.48,-1.43,1.54,0.87
3B79,LYS_2,10.41,-0.08,0,-0.02
1X8F,GLU_98,4.67,0.23,0,-0.05
1FKM,ASP_464,4.11,0,0.15,0.16
1PSW,LYS_301,10.21,-0.3,0.0,0.1
2QK1,LYS_397,5.37,1.57,-0.85,0.16
3IL3,ARG_294,11.75,-1.27,0.46,0.06
2P52,ARG_264,11.71,-0.84,0,0.05
1S7K,ARG_64,12.32,-0.26,0,0.08
1O59,GLU_142,4.65,0.19,0,-0.04
3EAZ,TYR_133,11.44,0.0,19.1,26
1YTD,LYS_279,11.33,-0.29,0.85,0.27
1EQ6,ASP_167,4.21,0.0,0.16,0.25
3IBT,ARG_46,13.4,-0.3,0.82,0.38
2XHC,LYS_95,10.62,-0.33,0,0.46
1S7K,ARG_14,12.95,-0.64,0.74,0.34
3FRR,ARG_12,13.66,-0.47,1.24,0.38
1PVT,GLU_113,4.51,0.22,0,-0.21
1XDZ,GLU_119,4.54,0.15,0,-0.1
3L3P,ASP_332,3.99,0,-0.02,0.21
2PGE,ARG_311,13.47,-0.48,0.88,0.57
3ZSL,LYS_233,10.25,-0.26,0,0.01
1SUU,LYS_744,10.94,-0.37,0.78,0.03
2QHT,HIS_24,5.66,-1.52,0.94,-0.27
3T5B,GLU_284,4.67,0.3,0,-0.13
3DTE,ARG_17,13.12,-0.36,0.38,0.61
2BDV,GLU_176,3.76,0.49,-0.89,-0.34
3UC9,GLU_127,4.68,0.51,-0.03,-0.28
2FI9,ASP_67,3.86,0,-0.07,0.13
3SMD,LYS_86,10.17,-0.14,0,-0.19
2D25,ASP_706,4.25,0,-0.43,0.86
2OEW,HIS_61,6.75,-0.26,0,0.5
3BPP,ARG_220,13.07,-0.27,0.1,0.74
2QZQ,LYS_44,9.88,-0.33,0,-0.28
2G5X,ARG_21,12.72,-2.54,1.21,1.56
3JZ9,ARG_418,12.51,-0.07,0,0.08
1EW4,ARG_106,13.3,-0.49,0.47,0.81
2V4X,TYR_29,10.21,0.0,0.1,0.2
3OA7,HIS_530,6.01,-0.52,0,0.04
1AIL,HIS_17,6.05,-0.44,0,-0.02
3RVC,GLU_96,2.91,0.46,-1.63,-0.42
4DBX,ASP_19,3.94,0,0,0.14
2FPN,HIS_186,6.55,-0.41,0.08,0.38
2B6P,HIS_172,3.49,-3.23,0.73,-0.51
2ZQ5,TYR_370,11.4,-0.55,0.49,1.44
1TUL,ASP_82,3.41,-0.81,0,0.42
2NRK,LYS_136,11.3,-0.32,0.74,0.38
3F7M,LYS_184,10.69,-0.15,0,0.34
1PGV,GLU_233,4.71,0.17,0,0.03
4ANN,TYR_74,11.17,-0.74,-0.23,2.12
1MTZ,LYS_291,11.51,-0.24,0.75,0.5
1Z9L,GLU_108,4.69,0.17,0,0.02
2E3H,ARG_261,13.32,-0.51,0.88,0.44
1QZN,ASP_141,4.25,0.0,17.0,27
2WOZ,GLU_513,4.24,2.86,-2.18,-0.94
1P4X,HIS_70,6.09,-0.93,0.6,-0.07
2DVK,GLU_98,4.22,0.27,-0.08,-0.48
4H89,ASP_15,2.29,-2.1,-0.4,0.99
2YX0,TYR_210,12.88,0.0,19.2,68
2Q34,GLU_248,3.83,0.27,-0.83,-0.11
1A8Q,HIS_219,5.08,-3.02,0.83,0.78
1O5J,HIS_73,4.62,-2.06,0.29,-0.11
3M16,GLU_91,4.92,0.6,0,-0.17
1PGV,ARG_315,13.35,-0.54,0.82,0.57
2I88,LYS_426,10.41,-0.14,0,0.05
2V5B,ARG_139,12.4,-0.21,0,0.11
2WOZ,ASP_372,2.65,-1.5,-0.05,0.39
3JZ9,LYS_350,11.37,-0.5,0.83,0.54
2XHC,GLU_146,3.76,0.33,-0.67,-0.4
3D5H,HIS_364,6.27,-0.42,0,0.19
1SI7,ASP_142,3.98,0.0,0.1,0.18
1X7F,ARG_243,11.47,-1.36,0,0.33
1FKM,TYR_365,11.22,-0.76,0.44,1.54
1RI6,GLU_13,4.57,0.46,0,-0.39
3LJN,GLU_101,3.7,0.29,-0.57,-0.52
3ETV,TYR_123,11.09,0,-0.25,1.34
4D8L,GLU_158,4.64,1.11,-0.45,-0.53
1UCH,ASP_177,2.52,-1.51,-0.13,0.36
1GQE,ASP_68,4.54,0.0,15.0,59
2V43,ARG_263,13.34,-0.23,0.39,0.68
1QK0,LYS_43,10.35,-0.18,0,0.03
3CAX,ASP_342,2.09,-2.05,-0.48,0.82
1X91,LYS_133,11.35,-0.48,0.85,0.48
4GA2,ARG_84,12.49,-0.39,0.04,0.34
2D7U,TYR_270,10.24,0,-0.04,0.28
2WB3,ASP_377,4.05,0,0,0.26
1PSW,LYS_142,10.36,-0.26,0,0.11
1TJE,LYS_63,10.46,-0.21,0,0.16
1G8P,ARG_208,12.73,-0.85,0.56,0.52
2EDM,ASP_89,4.09,0,0.08,0.2
1W24,ASP_47,3.81,0,-0.39,0.4
1H4U,GLU_424,4.53,0.27,-0.17,-0.06
1I60,LYS_118,11.55,-0.46,0.85,0.65
3N2T,HIS_43,6.3,-1.03,0.78,0.04
2ZTY,ASP_64,2.42,-1.59,-0.46,0.68
1FO9,GLU_282,3.7,1.06,-1.34,-0.53
3H9W,ARG_110,12.35,-0.2,0,0.06
1KCM,ASP_51,3.91,0,0.03,0.08
3KCY,ARG_26,13.47,-0.48,1.01,0.45
1A8Q,ASP_221,3.5,-0.85,0.01,0.55
1WPA,TYR_517,11.23,0.38,0.27,0.58
2YX0,ASP_206,2.52,-1.65,-0.55,0.92
3RHE,TYR_22,10.61,0,0,0.61
3K8U,LYS_69,9.98,-0.52,0,0
1FHL,LYS_70,10.67,-0.24,0,0.41
3CSV,CYS_105,11.84,0,-0.03,2.87
3MIX,TYR_660,11.72,0,0.87,0.85
2OEW,GLU_356,4.6,0.17,0,-0.06
1TJE,LYS_197,10.35,-0.2,0,0.05
2OQG,ASP_447,1.78,-2.57,0,0.54
1TJ3,ARG_716,12.38,-0.12,0,0
1W24,GLU_143,4.66,0.2,0,-0.05
2QVO,LYS_85,11.65,-0.26,0.51,0.9
1RAJ,GLU_93,4.58,0.08,0,0
3H5T,ARG_150,11.99,-0.54,0,0.03
3BWT,LYS_807,10.62,-0.32,0,0.44
1UW7,TYR_31,11.75,0.0,1.75
4DVD,GLU_33,2.85,0.46,-1.45,-0.66
1R3F,LYS_190,10.34,-0.24,0,0.07
1SUU,TYR_526,12.53,0.0,27.2,27
2RIS,GLU_147,4.27,2.31,-2.05,-0.49
3M3P,CYS_89,9.2,-2.03,-0.64,2.87
3IDW,ARG_67,12.44,-0.43,0,0.36
1RZZ,ASP_114,3.8,0,-0.2,0.2
1UW7,HIS_48,6.3,-0.47,0,0.28
2FG1,TYR_153,11.33,-0.77,0.02,2.07
2AHE,LYS_90,10.83,-0.12,0,0.45
2BDV,GLU_172,3.81,0.24,-0.76,-0.17
2QK1,HIS_468,5.64,-0.58,0,-0.28
3VHJ,LYS_164,10.69,-0.09,0,0.28
3HYQ,GLU_77,4.56,0.41,-0.39,0.04
1QYI,LYS_114,9.3,-1.3,0.0,0.9
3CNU,ARG_92,13.19,-0.28,0.69,0.28
4AE7,GLU_210,4.34,0.31,0.03,-0.49
2W1R,LYS_163,11.62,-0.31,0.85,0.57
1FO9,ARG_189,12.08,-0.97,0,0.54
2QK0,ASP_73,1.39,-2.54,-0.38,0.5
3BQE,LYS_328,11.28,-0.63,0.85,0.55
1ZHV,HIS_134,6.28,-0.19,0,-0.03
2G3A,ASP_7,3.71,-0.2,0,0.11
3DZ1,ARG_181,12.26,-1.52,0.58,0.7
3A0X,LYS_652,10.95,-0.6,0.85,0.2
2D0A,LYS_64,10.95,-0.3,0.38,0.37
2BQ0,LYS_124,4.84,0.35,-0.15,0.14
1RSS,TYR_153,10.14,0.0,0.05,0.08
2OEW,ASP_210,3.64,-0.8,-0.42,1.05
1AM2,GLU_65,4.34,1.31,-1.45,-0.01
2NSN,ASP_48,3.99,0,0,0.19
1BKR,ARG_32,12.4,-0.45,0,0.35
3JZN,ASP_395,2.7,-0.85,-0.55,0.31
1V43,ASP_365,2.31,-2.01,-0.01,0.54
2VAN,TYR_250,10.55,0.3,0.26
3TIR,ASP_166,3.9,-0.24,0.1,0.25
3BPP,GLU_49,3.6,1.72,-2.09,-0.53
3G9T,ASP_159,2.68,-1.61,-0.41,0.9
3MIX,GLU_407,4.02,0.92,-0.51,-0.88
2P0Y,GLU_222,5.79,1.39,0,-0.11
1DTO,GLU_20,4.69,0.17,0,0.02
3IOO,ASP_270,3.94,0,-0.01,0.15
2OJQ,LYS_553,10.23,-0.28,0,0.02
1T95,ARG_121,12.56,-0.06,0,0.12
2YX0,LYS_22,10.36,-0.1,0,-0.04
3YWJ,LYS_20,10.69,-0.21,0,0.41
1WXF,GLU_66,2.55,0.87,-1.98,-0.84
2GAU,GLU_104,4.63,1.13,-0.46,-0.54
3HVV,ARG_231,12.25,-0.27,0,0.02
3PAC,GLU_9,5.42,1.59,-0.38,-0.29
3PBH,ASP_69,3.95,-0.06,-0.05,0.26
3ZTA,LYS_65,12.2,-0.81,1.37,1.14
1WPA,ARG_418,12.46,-0.04,0,0
2EYI,HIS_186,4.97,-1.92,0.84,-0.45
3UV9,HIS_461,6.32,-0.18,0,0
2P5D,GLU_88,4.21,0.79,-1.07,-0.03
3LQE,HIS_242,3.49,-3.66,0.63,0.01
2Z0M,ARG_216,12.18,-0.34,0,0.02
3MIX,TYR_350,10.17,0,0,0.17
1X1E,GLU_180,4.59,0.49,0,-0.4
1T3Y,LYS_110,10.52,-0.27,0,0.29
2E35,TYR_576,12.13,0,0,2.13
1TR9,GLU_12,4.61,0.13,0,-0.02
1Z3X,ARG_60,11.81,-1.51,0.42,0.41
1E55,HIS_138,5.97,-0.65,0,0.12
1ILW,LYS_39,11.87,-0.48,1.1,0.74
1L3K,ASP_42,3.56,-0.45,-0.07,0.28
1FKM,HIS_442,6.38,-0.12,0,0
1YK0,ASP_153,3.35,-0.73,-0.14,0.42
2CXY,CYS_53,10.1,-0.03,-0.1,1.23
3G9G,ARG_141,12.16,-0.39,0,0.05

3TIR,ASP_87,3.28,-0.7,-0.23,0.41
 1JB3,GLU_11,4.43,1.64,-0.85,-0.87
 3UX2,GLU_57,3.61,0.5,-1.14,-0.25
 2VAN,GLU_123,4.7,0.13,-0.04,0.11
 2B0J,TYR_200,13.72,0.006,3.66
 3G9T,GLU_5,4.21,0.44,-0.72,-0.01
 2P5D,TYR_56,9.36,-0.85,-0.42,0.64
 3IPZ,GLU_131,3.53,0.48,-1.24,-0.22
 3RNV,TYR_345,12.2,0.022,1.98
 3GA2,LYS_25,9.41,-1.1,0.0,0.1
 1XWM,ASP_47,4.22,-0.01,0.0,0.43
 3DTE,HIS_63,6.28,-0.25,0.01,0.02
 2BV9,LYS_216,10.2,-0.73,0.40
 2V5B,TYR_102,10.39,0.022,0.17
 3TOW,LYS_87,10.1,-0.14,0,-0.27
 2JKF,GLU_66,4.57,0.07,0,0
 3QKY,TYR_87,9.75,-0.5,-0.56,0.82
 3ANJ,ASP_145,4.24,-0.85,0.06,1.22
 1OOX,CYS_234,12.59,-0.37,0.22,3.72
 2D2S,GLU_542,4.96,0.37,0.0,0.09
 3CS1,LYS_153,10.4,-0.4,0,0.3
 3CAX,LYS_275,9.93,-1.33,0,0.76
 3CGW,GLU_182,4.51,0.14,0,-0.13
 2ZCO,ARG_246,12.43,-1.26,0.47,0.72
 2H2W,GLU_212,4.76,0.73,-0.28,-0.19
 1YW5,LYS_105,10.42,-0.1,0,0.02
 3HVW,ASP_300,4.04,0,0,0.24
 4AF2,ASP_124,3.27,-0.83,-0.07,0.36
 2FG1,ASP_154,3.97,0,-0.29,0.46
 2Z84,HIS_137,4.39,-2.52,0.82,-0.4
 1TD6,HIS_243,6.23,-1.2,0.84,0.09
 2O4D,GLU_93,2.54,1.71,-2.65,-1.03
 2NMU,ARG_55,12.36,-0.35,0,0.2
 3IBT,HIS_20,6.55,-0.09,0,0.14
 2GEN,ARG_32,13.61,-0.35,0.9,0.55
 2I6I,ARG_31,10.93,-1.82,0,0.24
 2EHG,LYS_122,10.45,-0.11,0,0.06
 3ADO,ARG_40,12.44,-0.06,0,0
 1S7K,ASP_17,2.54,-1.36,-0.27,0.37
 2ZCO,GLU_125,4.25,0.52,-0.91,0.14
 3S0A,LYS_42,10.41,-0.19,0,0.1
 1UOH,ARG_118,11.77,-0.74,0,0.01
 3RJZ,LYS_229,11.06,-0.85,0.71,0.7
 3ADO,LYS_139,10.4,-0.13,0,0.03
 1IDK,LYS_335,10.34,-0.48,0,0.32
 1D7O,GLU_118,4.23,0.43,-0.61,-0.08
 1Y2Q,LYS_106,10.93,-0.42,0.37,0.48
 3NBI,TYR_201,11.04,0.0,19.0,0.85
 3T57,ARG_315,12.57,-0.67,0.05,0.7
 1LFP,ARG_108,13.85,-0.54,0.71,1.19
 2P4D,TYR_63,12.31,0.0,18.2,1.2
 2FPN,GLU_12,4.9,0.47,-0.13,0.05
 4DIU,TYR_204,10.12,0,-0.21,0.33
 3CQ1,ARG_70,12.38,-0.12,0,0
 2H30,GLU_79,4.25,0.69,-0.83,-0.11
 1H4U,HIS_436,6.31,-0.23,0,0.05
 1SJ8,LYS_613,10.99,-0.34,0.47,0.37
 1ZCE,GLU_57,4.71,0.2,0,0.01
 2NRR,LYS_443,10.63,-0.14,0,0.27
 3EVZ,LYS_207,10.42,-0.29,0,0.21
 3HUE,ASP_259,3.58,-0.54,0,0.31
 1EV8,GLU_245,3.97,0.36,-0.81,-0.08
 1DOV,TYR_148,9.39,-0.85,-0.08,0.33
 3HVM,LYS_30,10.4,-0.06,0,-0.04
 4DND,ASP_104,3.15,-0.84,-0.16,0.35
 2VAN,LYS_141,10.41,-0.27,0,0.18
 1U7U,LYS_378,10.54,-0.25,0,0.29
 2QDJ,TYR_173,11.73,-0.85,0.37,2.22
 4DNU,CYS_37,11.52,-0.04,0,2.57
 200K,ASP_69,3.45,-0.56,-0.05,0.26
 2PLQ,LYS_314,10.7,-0.19,0.01,0.38
 3HYQ,LYS_56,10.44,-0.04,0,-0.01
 3ZTA,ARG_42,13.18,-0.31,0.31,0.67
 1P6F,GLU_112,4.68,0.18,0,0
 3T5B,TYR_32,13.33,-0.14,-0.24,3.7
 4ETX,LYS_329,10.48,-0.33,0,0.31
 2P4D,ASP_84,2.17,-1.98,-0.26,0.61
 1UW7,ASP_60,3.96,-0.11,0,0.27
 3DB9,LYS_213,10.42,-0.08,0,0
 2H30,ARG_154,12.02,-0.54,0,0.06
 3IU5,LYS_61,10.43,-0.12,0,0.05
 1PSW,ARG_281,12.67,-1.33,0.71,0.79
 3V5S,GLU_451,3.61,0.26,-0.7,-0.46
 1SI7,ASP_60,4.0,-0.36,0.56
 4EVF,GLU_191,4.39,0.19,0,-0.3
 4DIU,LYS_215,10.56,-0.61,0.19,0.49
 4HDE,ASP_149,4.09,0,0,0.29
 1X04,GLU_173,4.75,0.14,0,0.12
 2R51,HIS_223,6.22,-0.3,0,0.03
 4GA2,ARG_2,12.48,-0.02,0,0
 2OGQ,ASP_588,3.82,-0.02,-0.26,0.3
 2FD4,LYS_464,11.12,-0.21,0.83,0
 4H4J,LYS_262,10.33,-0.48,0,0.3
 2CXA,CYS_187,12.18,0.0,0.77,2.4
 1EV8,GLU_6,4.57,0.22,0,-0.15
 3M7G,ARG_112,13.36,-0.54,0.78,0.62
 2BLL,GLU_571,3.94,1.11,-0.85,-0.82
 3H13,HIS_396,6.36,-0.15,0,0.01
 3RFF,ASP_75,4.08,0,-0.01,0.29
 1P4X,GLU_102,4.95,0.21,0,0.24
 3LJC,ASP_160,4.0,0,0.2
 1PDB,ASP_152,3.28,-0.69,-0.29,0.46
 1Q46,ASP_93,2.69,-1.39,-0.14,0.42
 2R51,HIS_204,9.04,-0.51,2.21,0.82
 1SNT,LYS_9,10.01,-0.65,0,0.15
 2A0J,GLU_36,5.04,1.75,-0.85,-0.36
 1W24,TYR_139,10.03,-0.02,-0.3,0.35
 3MEW,LYS_217,10.11,-0.49,0,0.11
 3CX5,CYS_113,9.3,0,0,0.3
 2FZP,TYR_196,10.48,0.02,22.0,2.6
 1HF8,LYS_28,10.06,-0.26,0,-0.18
 3HFJ,LYS_124,9.81,-0.39,0,-0.3
 1T95,ARG_70,13.14,-0.26,0.36,0.54
 2Z0W,TYR_41,10.32,0,0,0.32
 2AHE,LYS_62,9.79,-0.73,0,0.01
 2E3S,GLU_373,4.1,0.23,-0.32,-0.32
 2IDC,ASP_37,4.12,0,-0.06,0.38
 3FK5,ARG_135,12.41,-0.56,0,0.47
 1XWM,GLU_161,4.71,0.22,0,-0.01
 3P28,LYS_83,10.81,-0.29,0,0.6
 3PP8,ASP_40,4.61,0,-0.05,0.86
 3I0C,GLU_174,4.77,0.24,0,0.03
 1TXJ,LYS_105,10.52,-0.16,0,0.17
 1LTU,TYR_181,12.74,0,-0.26,2.99
 1WOU,ARG_17,12.46,-0.1,0,0.06
 2IF4,LYS_244,10.93,-0.26,0.14,0.55
 2D59,TYR_93,11.66,0.04,1,1.21
 1W24,CYS_15,9.63,-0.85,-0.06,1.54
 1D2K,CYS_108,11.21,-1.44,0.39,3.25
 1OLR,ARG_220,12.73,-0.28,0,0.5
 3CSR,ASP_112,3.91,0,-0.02,0.13
 3M7D,GLU_19,6.3,3.49,-1.8,0.13
 4E6S,GLU_78,4.82,0.18,0,0.13
 1PGV,GLU_240,4.57,0.33,0,-0.25
 1OOX,LYS_92,10.25,-0.41,0,0.16
 3CGW,ARG_99,13.08,-3.06,0.36,3.26
 1SNT,CYS_352,12.7,-0.3,0.36,3.63
 1XKR,GLU_155,4.01,0.21,-0.25,-0.45
 2X5Y,ARG_871,13.11,-0.28,0.53,0.36
 1QQH,ASP_206,3.94,-0.56,0.1,0.6
 2FXT,GLU_247,4.76,0.09,0,0.16
 3IL3,ASP_233,3.77,-0.39,-0.02,0.38
 1RIS,TYR_194,10.78,-0.57,-0.6,1.96
 1UJ8,HIS_5,5.83,-0.15,0,-0.51
 1UJ8,ASP_74,3.1,-0.63,-0.34,0.26
 1ZCU,LYS_201,10.34,-0.16,0,0
 4AF2,LYS_67,10.49,-0.26,0,0.25
 3GFP,LYS_305,10.13,-0.26,0,-0.11
 1D7O,GLU_48,4.11,0.25,-0.31,-0.33
 1QZN,GLU_8,4.91,0.48,0,-0.07
 2HP7,LYS_153,10.26,-0.2,0,-0.03
 1R53,ASP_166,4.3,-0.47,0.11,0.86
 3BB7,LYS_114,10.33,-0.18,0,0.01
 3HQX,ASP_7,3.4,-0.68,-0.02,0.3
 3S0A,GLU_93,3.02,0.53,-1.58,-0.43
 2W0G,ASP_196,3.49,-0.8,-0.38,0.87
 4FH3,ARG_286,12.4,-0.15,0,0.05
 1UCH,GLU_124,3.58,0.43,-0.85,-0.5
 1O9G,LYS_95,10.29,-0.27,0,0.06
 1QYI,HIS_379,6.33,-0.34,0.17
 3BJV,TYR_153,10.45,0.029,0.16
 2XHC,ARG_126,12.42,-0.08,0,0
 2B7H,HIS_90,6.35,-0.13,0,-0.02
 1UOH,GLU_21,4.63,0.17,0,-0.04
 1EV8,LYS_229,10.37,-0.2,0,0.07
 1Q2Y,ASP_14,3.68,-0.85,-0.03,0.76
 3DB9,ARG_189,12.28,-0.22,0,0
 3EJG,GLU_135,4.78,0.24,0,0.04
 3IVF,GLU_34,4.48,0.25,-0.06,-0.22
 1V8E,LYS_140,10.36,-0.08,0,-0.06
 4H86,GLU_29,4.58,0.17,0,-0.09
 1MJS,GLU_266,4.57,0.19,0,-0.11
 2AZP,ARG_291,12.33,-0.38,0,0.21
 2C2Y,ASP_42,3.92,-0.1,0.06,0.17
 1R6Y,GLU_94,4.61,0.19,0,-0.08
 1RSQ,ARG_69,12.42,-0.08,0,0
 2R51,LYS_91,10.38,-0.18,0,0.06
 2IDC,TYR_22,13.69,-0.16,0.16,3.69
 3RJX,TYR_315,12.14,-0.29,-1.21,3.64
 2HNG,GLU_90,4.59,0.25,-0.07,-0.09
 3HGN,LYS_494,10.14,-0.21,0,-0.15
 2CXA,TYR_210,10.52,0.0,2.0,3.32
 1ZBPLY,LYS_232,12.12,-0.43,1.23,0.82
 2PGX,LYS_51,10.45,-0.05,0,0
 3COU,GLU_11,4.29,0.33,-0.3,-0.24
 2BT8,ASP_176,3.93,-0.21,0,0.34
 1BVI,GLU_48,4.45,0.12,0,-0.18
 1EYH,ASP_138,4.17,0.0,2.2,0.15
 1YLN,LYS_67,10.71,-0.27,0.17,0.3
 2IDC,ASP_154,2.51,-1.59,-0.49,0.8
 2QDJ,CYS_169,11.78,0.0,13.2,65
 1NFN,LYS_95,10.45,-0.05,0,0
 1SIG,TYR_394,10,-0.21,-0.44,0.66
 3IBT,TYR_142,10.12,0,-0.13,0.26
 3M16,TYR_52,12.26,-0.72,0.68,2.3
 4GCO,ARG_183,13.48,-1.73,1.63,1.09
 2QV2,ARG_278,11.79,-0.5,0,-0.21
 1RKA,GLU_300,3.95,0.84,-0.82,-0.57
 1PGV,ARG_385,12.55,-0.29,0.17,0.17
 4EZB,ARG_150,12.25,-0.85,0,0.59
 3RJZ,LYS_218,10.53,-0.46,0,0.49
 2EFK,TYR_53,10.17,0,0,0.17
 3RFT,ASP_367,3.93,0,0,0.13
 2QHT,GLU_108,4.72,0.33,0,-0.11
 1XEU,TYR_277,10.24,0.05,0.19
 2CXC,ARG_144,12.23,-0.3,0,0.03
 1T3Y,HIS_47,6.46,-0.29,0,0.25
 3P51,ARG_51,13.3,-0.34,0.79,0.35
 2B02,TYR_456,10.43,-0.01,-0.06,0.49
 4FZR,ARG_378,13.26,-0.31,0.66,0.41
 2YX0,GLU_137,4.57,0.21,0,-0.13
 1DUP,TYR_23,10.77,0,0,0.77
 2D7U,GLU_28,3.59,0.34,-0.85,-0.39
 1J7G,LYS_112,9.99,-1.0,0.49
 2AHE,TYR_244,11.94,0.02,1.92
 3TMO,ARG_244,12.39,-0.25,0,0.13
 3L3P,GLU_280,3.63,1.04,-1.47,-0.43
 2AXO,ASP_159,3.56,-0.47,0.0,0.23
 3CSV,LYS_338,10.19,-0.31,0,0
 3F7M,ARG_230,11.77,-0.59,0,-0.14
 1R5S,GLU_129,4.68,0.26,0,-0.07
 1XWM,TYR_213,11.82,-0.79,0.77,1.84
 1RHS,HIS_120,4.71,-2.55,0.8,-0.04
 3OKQ,GLU_611,4.66,0.16,0,0
 3EX9,GLU_154,4.61,0.11,0,0
 1OIS,ARG_294,12.35,-0.22,0.0,0.08
 3FK5,ARG_249,12.3,-0.2,0,0
 3EYE,ARG_134,13.07,-0.32,0.51,0.39
 4H4J,HIS_44,6.38,-0.34,0,0.22
 3IL3,GLU_49,4.24,1.15,-1.63,0.23
 1C3K,LYS_60,10.21,-0.29,0,0
 2AHE,GLU_92,5.91,2.2,-0.32,-0.47
 1V43,LYS_353,11.33,-0.25,0.76,0.32
 2AH5,HIS_144,6.14,-0.51,0,0.15
 2R51,LYS_186,10.25,-0.22,0,-0.02
 1LN4,GLU_98,3.51,0.41,-1.41,0
 2D7J,HIS_155,5.16,-1.28,0,-0.06
 3M70,GLU_152,4.6,0.1,0.0
 1YR6,GLU_172,4.88,0.39,0,-0.02
 1NAF,ASP_285,4.12,0,0,0.32
 2FM9,LYS_151,10.22,-0.16,0,-0.13
 2I88,ARG_409,12.01,-0.63,0,0.14
 3PZ9,GLU_250,2.58,0.6,-2.52,0
 2Q07,LYS_284,10.37,-0.19,0,0.06
 3SMD,GLU_65,5.85,1.85,-0.72,0.23
 1O5T,HIS_129,2.58,-2.74,0,-1.19
 1QQE,ARG_110,12.93,-0.28,0.1,0.6
 2D0A,ARG_308,12.38,-0.21,0,0.08
 1P1L,ARG_17,12.75,-0.22,0.06,0.41
 2WBN,LYS_664,10.38,-0.12,0,0
 2FPN,ASP_58,3.96,0,-0.27,0.42
 3GEC,ARG_266,12.71,-0.11,0.03,0.3
 3UX2,GLU_74,4.92,0.12,0,0.3
 2YX0,TYR_199,11.31,-0.55,-1.42,3.27
 2B61,ASP_236,3.71,-0.07,-0.17,0.15
 2AD1,GLU_279,4.29,0.16,0,-0.37
 2PGX,ASP_68,3.22,-0.57,-0.44,0.43
 3BPP,LYS_229,10.37,-0.16,0,0.02
 1YDL,HIS_2,6.43,-0.07,0,0
 1SQW,LYS_62,10.47,-0.11,0,0.08
 4EKU,CYS_44,10.38,-0.08,-0.33,1.79
 3H6Q,GLU_168,4.56,0.06,0,0
 2Z0M,ARG_175,12.36,-0.71,0.12,0.45
 3L3P,GLU_446,3.04,1.91,-1.98,-1.39
 1TD6,LYS_61,10.51,-0.18,0,0.2
 3US6,ARG_8,12.25,-0.29,0,0.03
 2EFK,ARG_113,11.63,-1.1,0,0.23
 1D2K,LYS_97,11.1,-0.2,0.11,0.69
 1R5Q,LYS_38,10.62,-0.12,0,0.24
 3MTT,LYS_589,10.53,-0.06,0,0.09
 1TUL,TYR_81,10.08,0,-0.11,0.19
 1VSM,ARG_137,12.27,-0.34,0,0.11
 2POL,LYS_171,10.37,-0.1,0,-0.03
 2FBQ,ASP_33,3.19,-0.61,-0.38,0.37
 3QKY,ARG_30,12.56,-0.1,0,0.15
 1TLV,ASP_99,4.75,0,-0.01,0.96

2YLF,ARG_197,12.37,-0.18,0,0.06
 2Q99,GLU_90,3.49,1.66,-1.85,-0.81
 2A6B,ASP_59,4.26,0,-0.13,0.59
 1ZBP,GLU_193,4.1,0.33,-0.39,-0.34
 2AD1,GLU_210,4.52,0.32,-0.1,-0.2
 3V55,GLU_588,4.59,0.09,0,0
 2IQT,LYS_31,10.36,-0.22,0,0.08
 1OIS,GLU_288,4.06,0.54,-0.32,-0.65
 3V3T,HIS_137,5.72,-1.55,0.72,0.06
 1FHL,GLU_18,4.74,0.23,0,0.01
 1GVP,ARG_80,12.29,-0.46,0,0.23
 2OEW,GLU_79,5.74,1.87,0,-0.64
 3FHF,LYS_21,11.33,-0.3,0.85,0.28
 1XWM,ARG_188,12.56,-0.23,0,0.29
 2AHE,ARG_219,11.52,-1.04,0,0.06
 3PP8,ASP_218,2.81,-0.86,-0.39,0.26
 3HUE,HIS_47,5.62,-2.02,0.81,0.33
 3LJI,LYS_202,10.42,-0.06,0,-0.01
 1QZN,ARG_102,12.81,-0.37,0.31,0.38
 1DFO,GLU_141,4.26,0.28,-0.45,-0.07
 4AM1,CYS_23,8.26,-1.69,-0.15,1.11
 1MN3,CYS_432,9.51,0,0.01,0.5
 1UJ8,HIS_7,6.79,-0.41,0.36,0.35
 3F53,ARG_105,13.3,-0.31,0.51,0.6
 2HXB,TYR_56,10.6,0.03,0.57
 3IOO,LYS_163,10.53,-0.53,0,0.55
 1WXQ,ARG_156,12.33,-0.31,0,0.14
 3P51,TYR_91,13.69,-0.85,1.52,3.02
 1T3Y,GLU_40,3.46,1.32,-1.65,-0.71
 4E8B,LYS_127,9.93,-0.49,0,-0.09
 1R6Y,HIS_16,7.06,-0.46,0.85,0.17
 1SOH,GLU_265,4.41,0.17,0,-0.25
 2RFA,ARG_180,12.96,-0.33,0.19,0.6
 2IRM,CYS_93,9.97,-0.07,0,1.04
 3KEY,HIS_435,6.41,-0.21,0,0.12
 3KTR,LYS_80,10.4,-0.24,0,0.14
 2GVZ,GLU_76,4.51,0.29,-0.01,-0.26
 1ZP2,HIS_147,6.91,-0.16,0.15,0.41
 3T5B,GLU_179,4.45,1.04,-0.64,-0.45
 2JHY,ASP_93,2.48,-1.7,-0.04,0.42
 3GT0,GLU_141,4.66,0.08,0,0.07
 1RWZ,ARG_155,12.22,-0.33,0,0.05
 2V5B,HIS_96,3.75,-2.47,0.8,-1.08
 1LFP,ARG_114,12.22,-0.3,0,0.02
 3GS9,GLU_316,4.78,0.28,0,0
 2W1R,GLU_114,4.91,0.39,0,0.02
 2X4L,ASP_173,4.11,0,-0.07,0.38
 4DBX,ASP_179,4.02,0,-0.09,0.31
 3LJN,LYS_195,10.48,-0.02,0,0
 1ZHV,ARG_58,12.13,-0.19,0,-0.17
 3L7N,TYR_129,10.5,0,-0.12,0.61
 1J74,ARG_123,11.63,-1.09,0,0.22
 2D7U,TYR_155,10.61,0,-0.25,0.85
 3CAX,LYS_272,10.97,-0.64,0.58,0.54
 2ZTY,GLU_5,4.55,0.12,0,-0.07
 1RAJ,ASP_406,3.51,-0.63,0,0.34
 4F85,HIS_86,5.58,-0.71,0,-0.2
 1X91,CYS_136,12.27,0,0.02,3.25
 1IAP,ARG_191,12.35,-0.39,0,0.24
 1X9G,ASP_174,2.13,-2.21,-0.31,0.84
 2EJB,ARG_37,12.56,-0.18,0,0.24
 1LFP,LYS_217,10.5,-0.19,0,0.19
 2D25,GLU_617,5,0.79,0,-0.3
 3ASA,ARG_369,11.49,-3.48,0,2.47
 3OIP,GLU_25,4.19,0.27,-0.2,-0.38
 3UX2,CYS_99,9.27,-0.01,0,0.29
 3L7N,LYS_110,10.6,-0.34,0.09,0.35
 2D7U,ARG_273,12.29,-0.1,0,-0.11
 2P0L,GLU_232,3.23,0.44,-1.32,-0.4
 1TR9,LYS_309,10.21,-0.4,0,0.11
 1O0X,TYR_65,11.1,0,0.23,0.87
 2CL3,TYR_202,10.3,0,0.17,0.12
 1FO9,LYS_248,10.15,-0.35,0,0
 1A8Q,ASP_229,3.43,-0.45,-0.33,0.4
 2B0A,LYS_117,10.59,-0.07,0,0.17
 1YB2,GLU_226,3.95,0.15,-0.7,0
 3GV0,GLU_170,3.29,0.81,-1.14,-0.89
 3TIR,ASP_24,4.03,0,-0.08,0.31
 2FL4,ARG_120,12.27,-0.23,0,0
 2X4L,ASP_300,4.03,0,0,0.23
 3CJW,ARG_371,13.88,-0.8,1.22,0.96
 1SJ8,LYS_687,10.39,-0.11,0,0
 1FKM,GLU_475,4.68,0.22,0,-0.04
 3HVM,LYS_212,10.52,-0.4,0,0.41
 1V6T,ASP_123,3.37,-0.66,-0.12,0.35
 2H85,HIS_18,6.16,-0.3,0,-0.04
 1O5T,CYS_225,12.26,-0.09,0.12,3.23
 2ZQ5,ASP_14,3.78,0,-0.21,0.18
 2FM9,HIS_243,6.6,-0.09,0,0.19
 3H04,CYS_217,11.62,-0.28,0.59,2.3
 1Q42,TYR_38,10.92,-0.74,-0.7,2.36
 1KN3,GLU_16,3.81,0.68,-0.39,-0.98
 2EFK,ARG_179,12.66,-0.27,0,0.44
 2X4J,TYR_83,12.84,0.02,2.82
 3VHJ,ASP_27,2.95,-1.04,0,0.19
 3HVM,LYS_179,10.62,-0.16,0,0.28
 3F53,TYR_71,9.86,-0.33,0,0.2
 3BJV,GLU_124,4.84,0.34,0,0
 2EFK,ARG_196,12.56,-0.12,0,0.17
 3EYE,GLU_97,3.68,0.46,-0.85,-0.43
 3OOP,GLU_104,4.69,0.29,0,-0.1
 2CN1,TYR_48,10.17,0,-0.07,0.23
 1O3X,LYS_206,10.39,-0.12,0,0.02
 2RIK,GLU_161,3.09,0.38,-1.51,-0.27
 3EZ7,TYR_41,11.05,0.09,0.96
 1NJ4,ARG_198,11.81,-0.74,0,0.05
 1AIL,ASP_2,3.91,0,0,0.11
 3JRT,HIS_42,6.1,-0.44,0,0.04
 1CHD,GLU_213,4.56,0.99,-0.85,-0.09
 2VGM,LYS_303,10.65,-0.12,0,0.28
 1YOY,LYS_125,10.23,-0.36,0,0.09
 3CGW,GLU_23,4.9,0.96,-0.35,-0.22
 3K1H,GLU_65,4.33,0.33,-0.74,0.24
 4DBX,ASP_175,3.15,-0.64,-0.43,0.42
 3ULX,ARG_34,12.25,-0.36,0,0.11
 3N2T,LYS_255,10.62,-0.32,0,0.43
 1QQE,TYR_47,10.93,0,0.2,0.73
 2EA9,TYR_108,12.6,0.79,0.8,1.01
 3V3T,GLU_82,4.54,0.21,0,-0.16
 1JSX,HIS_19,6.22,-0.28,0,0
 4EKU,LYS_225,10.32,-0.12,0,-0.06
 1YR6,LYS_40,10.57,-0.15,0,0.22
 3E0H,ASP_126,4.04,0,-0.05,0.3
 3E7P,HIS_236,6.38,-0.35,0,0.23
 3BQE,HIS_337,5.16,-1.7,0,0.35
 2NSN,TYR_97,10.26,0,0.13,0.12
 3UC9,ARG_93,12.88,-0.34,0.03,0.69
 1V43,ARG_310,12.22,-0.36,0,0.09
 2IF4,ASP_212,4.1,0,0.12,0.18
 3O48,GLU_105,4.49,0.22,0,-0.22
 3CS1,GLU_138,4.69,0.41,0,-0.21
 3RLE,GLU_15,4.74,0.31,0,-0.07
 3MTT,ARG_559,12.67,-0.17,0,0.34
 3FRR,ARG_164,12.35,-0.29,0,0.14
 3ETU,LYS_195,9.61,-0.74,0,-0.15
 3NR5,LYS_40,10.46,-0.04,0,0
 3K8J,ASP_134,4.12,-0.7,-0.47,1.49
 1QZN,ASP_168,3.99,-0.18,0,0.37
 3H13,GLU_277,4.73,0.54,-0.35,0.05
 2VGM,HIS_325,4.97,-2.48,0.74,0.23
 3V3T,HIS_48,5.45,-0.72,0.11,-0.44
 1T6L,ASP_106,2.67,-1.59,-0.44,0.92
 1ZHV,ARG_39,12.12,-0.42,0,0.04
 2AD1,HIS_176,3.64,-3.61,0.82,-0.07
 2W1R,LYS_60,11.38,-0.23,0.55,0.55
 2AXO,HIS_79,3.44,-3.06,0,0
 1O59,GLU_99,4.47,2.79,-1.62,-1.2
 4AM1,HIS_262,5.37,-1.25,0,0.12
 3OIP,LYS_222,10.48,-0.17,0,0.15
 1RWZ,GLU_159,4.48,0.15,0,-0.16
 2G5X,TYR_210,11.37,-0.11,0.11,1.38
 1HF8,GLU_65,4.61,0.19,0,-0.08
 4DIU,HIS_234,4.49,-1.85,0,-0.16
 1AD6,HIS_555,6.23,-0.37,0,0.09
 3EJG,LYS_96,10.47,-0.03,0,0
 3IBT,GLU_184,5.42,1.67,-0.79,0.03
 2OBP,ASP_28,2.98,-0.85,-0.54,0.57
 2NRK,ARG_72,12.5,-0.19,0,0.19
 2EFK,GLU_156,4.64,0.23,-0.2,0.11
 2FBI,ARG_115,12.38,-0.23,0,0.11
 3ODJ,ARG_52,12.63,-1.14,0.71,0.56
 3ETV,ARG_279,13.22,-1.11,0.84,0.99
 3CX2,HIS_210,6.55,-0.24,0.3
 3F6F,LYS_20,10.5,-0.15,0,0.15
 3R87,LYS_43,11.15,-0.27,0.4,0.52
 2OBI,GLU_87,4.61,0.1,0,0.01
 4DBX,ASP_42,4.12,0,-0.03,0.35
 3BQW,GLU_167,4.56,0.09,0,-0.03
 1QQL,LYS_100,10.53,-0.3,0,0.33
 2YTA,GLU_596,4.86,0.21,0,0.15
 3EVZ,GLU_100,4.35,1.09,-1.23,-0.01
 1RKA,GLU_203,4.02,0.17,-0.43,-0.23
 2G9D,ASP_145,3.69,0,-0.36,0.25
 3RFY,ARG_230,12.44,-0.11,0,0.04
 3T5B,ASP_157,3.09,-0.83,-0.66,0.79
 3GG6,GLU_109,3.94,1.16,-1.08,-0.63
 2H2Z,ASP_92,3.25,-0.84,-0.15,0.45
 2H85,ARG_90,12.56,-0.77,0.37,0.45
 1ZP2,TYR_182,11.1,0,0.16,0.94
 3VJ8,ARG_52,12.24,-0.29,0,0.04
 1J33,ARG_72,12.39,-0.37,0,0.25
 1XIP,ARG_153,12.55,-0.08,0,0.13
 2B3M,ASP_139,4.23,0,-0.03,0.47
 2BDV,HIS_145,7.08,-0.6,0.85,0.32
 2H2Z,HIS_80,6.47,-0.79,0.76,0
 3P28,HIS_121,3.8,-2.69,0,-0.01
 2G55,GLU_66,4.14,0.43,-0.79,0
 2QEV,GLU_1,3.75,0.4,-0.85,-0.29
 1D2K,TYR_342,10.74,-0.44,0,1.18
 1T3Y,ASP_97,3.12,-1.6,-0.29,1.22
 1Ri6,GLU_206,5.28,0.55,0,0.24
 1TR9,ARG_313,12.91,-0.65,0.65,0.41
 3DHN,GLU_30,4.21,0.3,0,-0.6
 4DBX,GLU_26,4.25,0.4,-0.49,-0.17
 4H4J,LYS_184,11.49,-0.3,0.85,0.44
 1X9G,LYS_53,10.81,-1,0.85,0.45
 3BWT,TYR_603,10.39,0,0.21,0.17
 3OBS,TYR_42,10.43,0,-0.26,0.69
 3BQW,ASP_112,3.42,-0.8,-0.01,0.43
 1UAJ,LYS_45,10.46,-0.04,0,0
 3UAH,ASP_217,3.28,-0.89,-0.26,0.64
 1Q46,ASP_76,3.34,-0.89,-0.01,0.44
 1XIP,ASP_15,3.96,0,-0.09,0.25
 3V55,ASP_716,3.04,-0.84,-0.31,0.38
 3ADO,GLU_205,4.76,0.86,-0.32,-0.28
 3KT9,GLU_32,4.7,0.2,0,0
 3ETU,GLU_332,3.66,0.46,-0.85,-0.45
 2R05,GLU_309,4.19,0.29,-0.6,0
 2R05,TYR_38,12.77,0.63,0.61,1.52
 1X04,ASP_107,4.13,0,0,0.32
 3GEC,LYS_485,10.37,-0.17,0,0.04
 2ZCX,ARG_62,12.46,-0.09,0,0.05
 1YTQ,ARG_159,12.41,-0.09,0,0
 1PDB,TYR_182,11.7,0.06,0.04,1.6
 1SNT,HIS_300,6.14,-0.52,0,0.15
 1YTD,ASP_68,2.66,-0.83,-0.62,0.31
 2EHG,LYS_91,10.2,-0.3,0,0
 4DIU,CYS_115,12.89,-0.65,0.85,3.68
 3G9G,ARG_174,13.36,-0.47,1.12,0.44
 1L2F,ARG_117,12.51,-0.49,0.13,0.37
 1D2K,LYS_40,4.73,0.42,-0.08,0,0
 1LN4,GLU_31,4.57,0.07,0,0
 1QQL,GLU_87,5.55,1.27,0,-0.21
 1P2F,LYS_88,10.7,-0.22,0,0.41
 3GFP,ASP_319,4.05,-0.18,0.09,0.34
 1H4U,GLU_521,4.65,0.31,0,-0.16
 1WPA,GLU_473,4.15,0.24,-0.59,0
 3K8U,TYR_77,10.43,0.25,0.19
 2I88,LYS_406,11.39,-0.25,0.79,0.34
 1C3K,TYR_107,12.05,0.79,0.39,0.86
 3H04,ASP_267,4.03,0,-0.12,0.34
 3Q1C,ASP_256,3.95,-0.39,-0.21,0.75
 2D2K,LYS_50,4.73,0.25,0,-0.02
 2VAN,ARG_328,12.3,-0.69,0.09,0.41
 1ZYL,ARG_144,11.45,-3.48,0,2.42
 2FC3,GLU_108,4.48,0.41,0,-0.43
 4EZB,TYR_279,11.4,0.15,-0.03,1.3
 2D59,LYS_88,10.44,-0.08,0,0.02
 2Q07,LYS_355,10.47,-0.14,0,0.11
 3G9T,LYS_68,9.94,-0.57,0,0.01
 1O17,HIS_140,6.17,-0.27,0,-0.06
 3OIP,TYR_209,10.7,0,0,0.7
 3KV0,GLU_17,3.69,0.21,-0.64,-0.38
 3IOC,ARG_279,13.12,-0.28,0.45,0.44
 2B78,LYS_308,10.32,-0.2,0,0.02
 2FZ4,HIS_203,6.5,-0.37,0,0.37
 3EVZ,LYS_231,10.17,-0.36,0,0.03
 3G9T,LYS_252,11.08,-0.31,0.47,0.41
 2EDM,LYS_145,10.53,-0.35,0.14,0.24
 3LJI,LYS_103,10.73,-0.17,0,0.4
 3IPZ,GLU_121,4.71,0.21,0,0
 1IDK,TYR_343,10.21,0,0,0.21
 2EJB,TYR_130,10.61,0,-0.01,0.62
 1AT0,GLU_364,3.97,0.32,-0.57,-0.27
 2Z84,HIS_35,7.29,-0.31,0.85,0.24
 1O9G,ASP_244,4,0,-0.22,0.42
 1O0X,GLU_93,4.1,0.33,-0.8,0.07
 1Z3X,ARG_209,11.85,-0.58,0,-0.07
 2VGY,TYR_52,10.31,0,0.05,0.26
 2PGX,HIS_176,5.75,-0.64,0,-0.11
 1V43,HIS_98,6.63,-0.15,0.28,0
 1R5Q,HIS_21,4.71,0.12,1.17,0.46
 2OEW,ASP_316,3.95,0,-0.15,0.31
 3N0K,ARG_124,13.17,-0.52,0.65,0.54
 3TR8,ARG_106,12.29,-0.21,0,0
 1O5J,GLU_91,4.03,0.34,-0.81,0
 1JT9,TYR_10,3.98,0.36,-0.33,-0.56
 1NAR,TYR_178,10.32,-0.77,-0.55,1.63
 1YW5,GLU_23,4.16,0.88,-0.7,-0.53
 1DZF,CYS_83,10.62,-0.8,0.43,2
 1JSX,GLU_118,4.39,0.7,-0.37,-0.44
 3EST,ARG_198,12.59,-0.23,0,0.31
 1QCE,GLU_75,4.79,0.21,0,0.09
 3CAX,ASP_279,3.91,0,-0.22,0.33
 1BKB,GLU_13,5.11,0.23,0,0.38
 2D25,GLU_626,4.58,0.26,0,-0.19

2CIU,LYS_211,10.39,-0.08,0,-0.03
 2PLQ,GLU_173,3.7,0.82,-1.61,-0.01
 2E3C,LYS_331,10.01,-0.37,0,-0.13
 2ATR,ASP_127,3.93,0,0,0.13
 2CN1,LYS_95,9.77,-1.01,0,0.27
 1DUP,ASP_61,2.31,-1.5,-0.38,0.39
 1X8F,GLU_161,4.39,0.25,0,-0.36
 1L3K,GLU_114,4.08,0.34,-0.68,-0.08
 3MIX,ASP_551,3.63,-0.99,0,2.0.63
 3PP8,ARG_169,12.77,-0.3,0.19,0.39
 1LPL,GLU_223,5.04,0.24,0,0.3
 1UAJ,GLU_18,4.49,0.35,0,-0.36
 2DG7,ASP_169,2.42,-1.8,0,0.41
 3UV9,LYS_319,10.24,-0.26,0,0
 1DZF,GLU_67,4.48,0.16,0,-0.18
 1V43,GLU_134,4.95,0.2,0,0.24
 2BAA,HIS_17,8.01,-0.88,1.76,0.62
 2ZCX,CYS_116,12.29,0.0,15,3.15
 2JHY,LYS_113,10.09,-0.55,0,0.14
 2FBI,GLU_118,4.68,0.22,0,-0.05
 1MML,ASP_209,3.8,0,-0.24,0.24
 1YTD,ASP_9,3.96,-0.01,-0.1,0.28
 2P1W,GLU_215,4.13,0.67,-0.31,-0.74
 2WOZ,ASP_294,3.93,0,0,0.33
 3MTT,TYR_505,10.44,0,0.13,0.11
 3UX2,HIS_112,6.22,-0.43,0.2,-0.05
 2CN1,ARG_71,13.11,-0.48,0.61,0.48
 2Z61,ASP_64,3.47,-0.83,-0.51,1.02
 1OLR,CYS_206,11.04,-2.83,0.13,4.74
 1O9G,GLU_109,3.43,0.85,-1.17,-0.75
 3K8J,ASP_167,12.44,-0.13,0,0.07
 1AD6,GLU_465,4.07,0.42,-0.85,0
 3ETV,GLU_130,4.09,1.03,-0.85,-0.59
 3HQX,CYS_104,12.12,0.42,0.75,1.96
 1SI7,LYS_251,9.64,-0.94,0,0.08
 3RKV,GLU_232,4.66,0.16,0,0
 2PLQ,LYS_181,10.55,-0.6,0,0.65
 3E5T,HIS_214,5.63,-0.96,0,0.08
 2WOZ,GLU_531,4.97,0.25,0,0.22
 3PAC,ASP_146,3.97,-0.82,0.09,0.9
 3QKY,ARG_261,13.25,-0.45,0.72,0.47
 3UC9,HIS_109,5.69,-1.06,0.34,-0.09
 3PU6,ASP_78,2.69,-1.41,-0.05,0.35
 1YTD,ASP_232,1.5,-2.42,-0.79,0.91
 2EJB,LYS_172,10.57,-0.19,0,0.25
 3DZ1,CYS_163,12.09,-0.1,-0.32,3.51
 1OST,TYR_420,12.65,-0.91,1.12,2.44
 1R6Y,GLU_64,6.55,2.89,-0.84,0
 1JKS,GLU_84,1.18,1.18,-3.55,-0.96
 3EYE,ARG_139,12.21,-0.33,0,0.04
 3UPD,LYS_88,10.48,-0.08,0,0.05
 2VAN,ARG_333,12.66,-2.86,1.73,1.31
 2H85,GLU_68,5.96,2.85,-0.88,-0.52
 1AM2,ARG_181,13.04,-0.36,0.27,0.64
 2Q98,TYR_185,12.11,-0.23,0.22,2.13
 3OIP,LYS_50,10.19,-0.29,0,-0.03
 2NRK,GLU_17,4.68,0.22,0,-0.04
 3FFM,ASP_132,4.12,-0.77,-0.02,1.1
 3K8J,GLU_264,4.77,0.31,0,-0.03
 3BPPLYS_195,10.23,-0.43,0,0.16
 3NR5,ASP_95,4.02,0,0.0.23
 3JRT,ARG_86,12.2,-0.96,0,0.66
 2YWX,GLU_41,4.18,0.45,-0.81,0.04
 3D9H,GLU_42,3.96,0.41,-0.53,-0.42
 1OTM,GLU_74,3,0.61,-1.73,-0.38
 1SIG,ARG_363,12.38,-0.14,0,0.03
 3A7L,GLU_113,4.64,0.12,0,0.03
 2E3I,ARG_59,12.56,-0.21,0,0.27
 2AHE,CYS_100,9.11,-0.26,0,0.38
 2P0L,TYR_210,11.81,0,0.34,1.48
 3ZXV,ASP_243,3.23,-1.32,-0.15,0.9
 2B61,TYR_80,11.24,-0.02,-0.42,1.69
 1EQ6,CYS_195,11.43,0,0.06,2.37
 2H30,LYS_111,10.33,-0.17,0,0
 3ZTA,ASP_24,3.51,-0.46,-0.02,0.19
 2FB6,LYS_6,10.93,-1.01,0.85,0.59
 1V8E,ARG_183,13.03,-0.8,0.85,0.49
 3K8J,LYS_69,10.35,-0.12,0,-0.03
 3BCH,TYR_139,10.24,0,0.13,0.11
 4HDE,LYS_112,11.41,-0.32,0.85,0.38
 2Q99,LYS_113,10.4,-0.1,0,0
 1UAJ,CYS_35,11.1,0,-0.03,2.12
 1X04,ASP_186,3.94,0,-0.12,0.26
 3M70,GLU_259,3.5,0.82,-1.6,-0.23
 2D7U,GLU_266,4.62,0.39,-0.17,-0.11
 3MIX,TYR_399,12.06,0,0.21,1.86
 2FZ4,ARG_104,12.3,-0.2,0,0
 3ILC,ARG_6,11.8,-0.7,0,0
 2QRX,TYR_165,10.13,0,0,0.13
 2AZL,ASP_102,4.09,0,0,0.29
 4H89,LYS_136,10.36,-0.14,0,0
 3CX2,HIS_257,7.37,-0.33,0.85,0.35
 4AM1,LYS_33,11.45,-0.23,0.8,0.38
 2FC3,ASP_106,3.94,0,-0.08,0.22
 3RNV,GLU_449,3.52,0.25,-0.74,-0.49
 2QEV,HIS_124,6.17,-0.21,0,-0.12
 3MIX,ASP_593,3.77,0,-0.27,0.24
 2OEW,LYS_11,10.26,-0.24,0,0
 3EJG,HIS_9,6.3,-0.38,0,0.18
 2B3M,ASP_69,3.09,-0.98,-0.1,0.37
 3GW3,GLU_97,4.63,0.18,0,-0.05
 1XTD,TYR_29,10.32,0,0,0.32
 1KCM,TYR_48,12.68,0.85,0.35,1.47
 3G9B,LYS_63,10.57,-0.22,0,0.28
 3P51,GLU_143,4.69,0.19,0,0
 2E8J,TYR_262,9.99,-1.22,0.36,0.84
 3LJI,HIS_77,1.94,-2.18,0,-2.38
 1DCF,TYR_133,10.93,0,0.86,0.06
 1BKB,GLU_111,3.55,0.3,-0.85,-0.4
 2JHY,LYS_186,10.38,-0.06,0,-0.06
 2GZQ,LYS_39,9.74,-0.93,0,0.18
 4EKU,GLU_34,4.79,0.15,0,0.13
 3LQE,GLU_456,3.92,1.91,-2.5,0
 1YM5,CYS_173,13.1,0,0.26,3.84
 3JV1,HIS_181,6.36,-0.25,0.08,0.03
 2OGQ,ASP_416,2.17,-2.38,-0.32,1.07
 3KEY,GLU_406,4.47,0.22,0,-0.24
 3CO1,TYR_32,11.93,-0.1,0.01,2.02
 1XIP,GLU_236,4.47,0.3,-0.26,-0.06
 2B61,HIS_268,4.32,-2.18,0,0
 3H13,TYR_464,10.11,0,-0.27,0.38
 1ZKZ,GLU_33,3.39,0.67,-1.59,-0.19
 1SI7,LYS_213,10.3,-0.22,0,0.01
 2BLL,ARG_418,13.29,-0.38,0.76,0.41
 3FK5,ARG_163,12.57,-0.56,0,0.64
 1O9G,ARG_5,13.39,-0.36,0.69,0.57
 3SMD,GLU_31,4.56,0.06,0,0
 1NRI,ASP_25,3.93,-0.31,-0.01,0.45
 2EA9,ARG_26,12.67,-0.66,0.06,0.77
 4FZF,ARG_25,12.12,-0.39,0,0.01
 1O17,ASP_274,3.04,-0.72,-0.35,0.32
 1QYI,LYS_333,10.14,-0.61,0,0.26
 1FKM,ASP_438,2.58,-1.74,-0.41,0.93
 1SJY,ARG_150,12.84,-0.32,0.31,0.34
 3H5T,ARG_174,12.79,-0.21,0,0.5
 3IL3,GLU_205,4.83,0.22,0,0.11
 1RHS,ARG_44,12.31,-0.25,0,0.06
 3OOP,ARG_2,12.44,-0.06,0,0
 2AZP,ARG_5,12.45,-0.47,0.2,0.22
 2H14,LYS_291,10.33,-0.22,0,0.05
 3BQE,ASP_285,4.01,-0.69,-0.29,1.2
 3QAV,ASP_31,3.61,-0.19,-0.25,0.26
 1AK1,HIS_70,5.9,-0.87,0,0.27
 3NZL,HIS_8,5.81,-0.46,0,-0.22
 1P1L,GLU_99,4.93,0.21,0,0.23
 1N81,ASP_171,3.95,0,0,0.15
 3ONH,GLU_467,4.59,0.19,0,-0.1
 1AD6,TYR_403,12.27,0.85,0.52,0.9
 1YOY,ASP_115,1.67,-1.83,-0.76,0.46
 2H85,GLU_339,3.99,0.35,-0.4,-0.45
 2OOK,TYR_87,10.74,-0.4,0.38,0.76
 4DEZ,ASP_120,3.58,-0.67,0,0.44
 3O16,TYR_231,10.51,0,0.29,0.22
 3M70,LYS_207,10.69,-0.12,0,0.31
 2H85,LYS_334,10.67,-0.11,0,0.27
 1O0X,ASP_230,3.34,-1.08,0.21,0.4
 3LPZ,LYS_260,10.17,-0.59,0,0.26
 2XHC,TYR_113,11.92,-0.57,0.89,1.6
 1YTD,ASP_132,3.58,-0.23,-0.16,0.18
 3P28,HIS_91,6.45,-0.91,0.89,-0.03
 3J5N,ARG_99,13.59,-0.3,0.73,0.66
 1V5M,LYS_129,10.43,-0.29,0,0.22
 3UV9,ARG_325,12.29,-0.21,0,0
 3ODJ,ARG_129,13.01,-1.27,0.84,0.93
 3V55,GLU_696,4.55,0.05,0,0
 1PZC,ASP_47,3.74,0,-0.32,0.26
 3FTT,HIS_119,6.2,-0.29,0,-0.01
 2GEN,HIS_44,6.35,-0.13,0,-0.02
 2V4U,HIS_439,6.18,-0.27,0,-0.04
 3PU6,ARG_24,13.65,-0.51,0.86,0.81
 3EAZ,LYS_76,10.42,-0.12,0,0.04
 2D7U,ARG_34,10.98,-2.95,0,1.43
 1ILW,ARG_62,12.26,-0.24,0,0
 1V43,TYR_70,10.56,0,0.18,0.37
 2BDD,GLU_42,4.48,0.36,0,-0.38
 2X5Y,GLU_808,5.83,4.38,-2.61,-0.43
 2YLF,ARG_81,13.56,-0.38,0.68,0.76
 2EHG,ARG_141,12.57,-0.08,0,0.15
 1XFK,HIS_185,5.95,-0.68,0.15,-0.02
 1S8J,GLU_759,4.8,0.22,0,0.07
 2FL4,TYR_86,11.62,0.85,0.88,0.39
 2DOA,LYS_50,11.14,-0.61,0.85,0.4
 2IF4,LYS_104,10.35,-0.17,0,0.03
 3ASA,CYS_148,12.07,-0.43,0.21,3.29
 2Q12,GLU_27,3.26,0.89,-1.68,-0.45
 1GQE,ASP_79,4.1,0,0,0.3
 2X1Z,GLU_217,4.11,0.31,-0.63,-0.08
 2Q13,ARG_275,13.41,-0.34,0.67,0.58
 1V5M,ASP_174,3.89,0,-0.23,0.32
 4ETX,TYR_204,12.13,0,0.23,1.9
 3DZ1,ARG_190,11.8,-1.03,0,0.33
 3AU3,ASP_512,3.73,-0.87,-0.06,0.85
 2IDC,ASP_52,3.85,0,-0.13,0.18
 2FZ4,TYR_179,13.9,0.92,2.97
 1X91,ASP_109,3.16,-0.85,-0.39,0.6
 1QQE,LYS_271,10.5,-0.09,0,0.08
 1WYC,HIS_346,6.11,-1.31,0.83,0.09
 4FH3,CYS_105,10.6,-0.79,-0.11,2.5
 1RF3,GLU_211,3.96,0.3,-0.74,-0.11
 3OIP,ASP_23,4.43,-0.3,0.03,0.9
 3IBT,GLU_207,3.92,0.52,-0.73,-0.38
 3E2Z,ARG_96,13.37,-0.4,0.89,0.38
 3L3P,ASP_384,4.32,0,-0.19,0.7
 1OLR,TYR_37,10.28,0,-0.2,0.47
 1TO7,LYS_64,10.4,-0.1,0,0
 2E3C,LYS_336,10.51,-0.16,0,0.17
 1YB2,ASP_126,4.07,0.11,0.17
 1IDK,TYR_34,10.48,0,0.14,0.34
 3U56,HIS_79,5.86,-0.27,0,-0.37
 2QOP,HIS_15,6.17,-0.36,0.02,0.01
 2I6I,GLU_20,3.97,0.54,-1.03,-0.04
 2B61,LYS_137,10.13,-0.55,0,0.18
 2V4U,LYS_417,10.19,-0.34,0,0.03
 3U2R,ARG_68,12.33,-0.22,0,0.05
 3FXH,HIS_25,6.02,-0.41,0,-0.07
 3BCH,ASP_31,3.88,-0.7,-0.09,0.86
 1ZBS,GLU_40,4.86,0.43,-0.4,0.32
 1U3Y,GLU_293,3.52,0.43,-0.8,-0.61
 3ERF,CYS_206,10.82,0,0.54,1.28
 1YM5,ASP_129,3.87,0,-0.25,0.32
 1LTU,HIS_126,6.33,-0.33,0,0.16
 3I4T,ARG_18,12.49,-0.12,0,0.1
 2WB3,LYS_385,10.33,-0.17,0,0
 1FHL,TYR_22,13.61,0,0.69,2.93
 1U53,ASP_4,3.86,0,-0.04,0.1
 1WYC,ASP_72,3.96,0,-0.06,0.23
 2EFK,GLU_12,3.66,0.37,-0.65,-0.57
 1EV8,ARG_225,12.76,-0.39,0.29,0.36
 2A4D,LYS_205,10.45,-0.05,0,0
 2OB5,ASP_12,2.84,-0.72,-0.51,0.28
 2QZQ,ARG_116,12.43,-0.1,0.03,0
 2Q07,HIS_278,4.04,-2.45,0.81,-0.82
 3IDW,ARG_21,12.31,-0.27,0,0.08
 3I47,TYR_149,10.67,-0.38,-0.04,1.09
 4DIU,LYS_156,9.89,-0.53,0,-0.08
 2YWX,LYS_75,11.34,-0.28,0.75,0.38
 1R15,LYS_115,10.53,-0.1,0,0.14
 2QV2,HIS_185,5.02,-1.53,0.01,0.05
 4F8A,TYR_684,10.56,0,0.14,0.42
 4DVD,GLU_109,4.59,0.09,0,0
 1G5Z,ASP_124,2.88,-0.7,-0.68,0.47
 1GXN,ARG_346,12.87,-0.98,0.73,0.62
 2C2Y,ARG_202,12.47,-0.35,0,0.32
 3PP8,HIS_25,6.21,-0.36,0,0.07
 2FD5,LYS_94,10.36,-0.19,0,0.06
 1Z9L,LYS_19,10.81,-0.12,0,0.42
 1RHS,ASP_219,3.7,0,-0.38,0.28
 2XMZ,GLU_126,4.79,0.26,0,0.03
 3CBN,ARG_100,12.75,-0.35,0.02,0.58
 2FL7,ASP_46,1.6,-2.36,-0.38,0.54
 4AE7,LYS_208,11.18,-0.27,0.24,0.7
 1WXQ,LYS_158,11.35,-0.38,0.85,0.38
 1DUN,GLU_117,4.58,0.08,0,0
 2OPJ,CYS_47,10.26,-0.23,-0.45,1.95
 2X4L,LYS_90,10.25,-0.48,0,0.23
 1ZCU,GLU_154,4.01,0.18,-0.32,-0.35
 3AU3,CYS_420,10.28,-0.87,0.14,2.01
 2NMU,GLU_23,2.99,1.48,-2.87,-0.11
 2NRK,ASP_106,3.16,-1.09,0,0.45
 2GKG,HIS_92,4.94,-1.44,0,-0.13
 1PSW,TYR_119,9.14,-0.8,-0.44,0.39
 2BV9,GLU_29,4.69,0.26,0,-0.07
 2FD4,LYS_521,10.69,-0.23,0,0.41
 1ZBM,LYS_44,12.24,-0.39,1.19,0.94
 3BQE,LYS_343,10.29,-0.62,0,0.42
 4DBX,HIS_195,5.46,-3.28,0.87,1.38
 3MIX,ASP_654,4.07,-0.12,-0.25,0.65
 1O6D,ARG_139,13.58,-0.18,0,0.27
 1R15,GLU_259,4.93,0.27,0,0.16
 1TR9,TYR_36,12.32,-0.01,0.27,2.05
 4ETX,ASP_378,3.96,-0.18,0.02,0.32
 1WNH,ASP_44,3.83,0,-0.26,0.29
 4AE7,ASP_112,2.9,-0.8,-0.25,0.16
 3IVF,HIS_250,5.32,-1.21,0,0.02
 3QAV,GLU_146,5.07,1.92,-1.17,-0.19
 4EZB,GLU_236,3.66,1.27,-0.85,-1.25

1JXS,HIS_137,5.44,-3.29,0.87,1.35
 3V3T,GLU_244,4.38,0.58,-0.17,-0.53
 1DOV,ASP_185,3.34,-0.54,-0.39,0.46
 1WRU,ASP_301,2.71,-1.3,-0.23,0.44
 1ZBP,GLU_203,4.84,0.19,0.15,-1.39E-17
 3HVV,ASP_302,3.79,0,-0.28,0.28
 1MN3,ASP_424,2.84,-1.26,0,0.3
 3CCY,ASP_119,3,-1,-0.07,0.27
 4FD6,LYS_17,10.47,-0.06,0,0.03
 3P28,GLU_84,4.28,0.24,-0.6,0.14
 3LPZ,ASP_275,4.03,0,-0.13,0.36
 2V5B,CYS_40,12.41,0,-0.1,3.51
 1NAF,ASP_272,3.66,-0.08,-0.4,0.33
 3CJW,TYR_191,10.59,0,0.02,0.57
 1KCM,TYR_63,12.04,0.23,0.8,1
 1ZKZ,TYR_86,10.14,-0.47,0.3,0.31
 2D2S,GLU_553,4.49,0.19,0,-0.19
 3CBN,HIS_33,7.05,-0.58,0.85,0.29
 3OAT,TYR_549,10.13,0,0.06,0.07
 1LTU,GLU_85,4.62,0.21,0,-0.08
 3H8Y,ARG_34,12.15,-0.31,0,-0.04
 3C38,ARG_170,12.65,-1.79,1.19,0.75
 3BJV,GLU_24,3.73,0.32,-0.82,-0.28
 3LJI,ARG_138,12.24,-0.35,0,0.1
 3QAV,LYS_191,10.36,-0.14,0,0
 3CRM,LYS_286,10.27,-0.12,0,-0.11
 3PBH,LYS_127,10.47,-0.09,0,0.06
 2Y2T,GLU_22,4.99,0.5,0,0
 1ZBS,LYS_160,10.46,-0.08,0,0.04
 2F8H,ARG_293,13.8,-0.71,1.6,0.41
 2RIS,GLU_71,4.56,0.25,0,-0.19
 3FWU,GLU_35,4.33,0.43,-0.09,-0.49
 2BLL,GLU_338,4.49,0.42,-0.22,-0.19
 3PP8,ARG_134,12.16,-0.39,0,0.06
 3M66,GLU_411,4.7,0.25,0,-0.04
 2RGY,TYR_305,10.51,0,0.26,0.25
 1XFK,GLU_277,4.6,0.1,0.0
 1TD6,HIS_93,5.59,-2.07,0.72,0.43
 3L7N,GLU_37,3.79,0.5,-0.85,-0.36
 2V4U,CYS_299,11.62,0,0.37,2.24
 1W24,TYR_48,11.86,0,0.1,86
 1TLV,ARG_107,12.27,-0.32,0,0.09
 3PBH,LYS_39,10.37,-0.36,0,0.23
 1WRU,GLU_206,4.83,0.33,0,0
 3R2E,ASP_19,3.77,-0.17,0,0.13
 3RKV,ARG_240,13.42,-0.27,0.69,0.5
 3CJW,ASP_240,3.2,-1.49,-0.03,0.91
 2VGY,HIS_67,6.23,-0.32,0,0.04
 2GQK,ASP_110,4.17,0.0,0.19,0.18
 4ACJ,GLU_801,4.72,0.59,-0.83,0.46
 1XIP,ARG_104,11.75,-1.1,0,0.34
 1ZCE,GLU_127,4.61,0.23,0,-0.11
 2RIK,TYR_75,10.28,0,-0.01,0.29
 1TD6,LYS_17,10.39,-0.11,0,0
 1P1L,LYS_71,10.31,-0.19,0,0.01
 2R51,GLU_242,4.15,0.38,-0.73,0
 3EUR,TYR_13,11.26,0,0.1,26
 2PSD,LYS_17,10.6,-0.15,0,0.26
 3IL3,ARG_144,11.98,-0.88,0,0.35
 2P65,GLU_152,3.63,0.59,-1.07,-0.4
 4FZR,GLU_68,4.72,0.09,0,0.12
 2FXT,LYS_241,10.32,-0.2,0,0.02
 3COC,ASP_316,3.07,-0.8,-0.38,0.45
 2CL3,TYR_54,10.25,0,0.08,0.17
 3U4K,GLU_154,4.66,0.51,-0.15,-0.2
 1KCM,ASP_187,3.94,0,-0.02,0.16
 2YYO,ASP_105,2.44,-1.67,-0.33,0.63
 2AXO,HIS_266,6.72,-0.03,0.25,0
 1FQI,LYS_416,10.58,-0.1,0,0.18
 3BWT,HIS_576,6.17,-0.26,0,-0.08
 3IVF,HIS_255,5.03,-1.11,0,-0.35
 2B78,ASP_25,3.37,-0.85,-0.53,0.95
 3V55,TYR_669,11.17,-0.47,0.52,1.12
 2POL,ASP_126,3.95,-0.56,-0.25,0.95
 3BQE,ASP_298,3.31,-0.75,-0.09,0.35
 2RFA,ASP_226,4.2,0.02,0.12,0.27
 3GS3,GLU_182,5.33,2.35,-0.78,-0.74
 3LJC,GLU_227,4.67,0.17,0,0
 3RXX,LYS_250,10.67,-0.12,0,0.3
 1R53,ASP_169,3.75,-0.64,0.01,0.59
 2IRM,ASP_192,3.18,-1.08,0,0.46
 2RIK,HIS_24,6.48,-0.41,0,0.38
 1P4X,LYS_2,10.08,-0.29,0,-0.13
 1O9G,ARG_10,12.47,-0.07,0,0.04
 3ETV,GLU_344,4.48,0.31,-0.05,-0.27
 2Q07,ARG_421,12.52,-0.06,0,0.08
 3LJI,TYR_79,11.29,-0.01,0.16,1.14
 3RE9,ASP_85,2.7,-1.52,-0.02,0.44
 2O8I,ARG_157,12.24,-1.42,0.59,0.58
 3RLE,HIS_200,5.96,-0.51,0,-0.02
 2ZQ5,HIS_318,7.19,-0.36,0.39,0.67
 2EJX,LYS_3,10.73,-0.15,0,0.38
 2OKT,TYR_280,12.45,0.0,0.15,2.3
 3IVF,ARG_74,12.61,-0.09,0,0.2
 3IPZ,ASP_73,3.91,0,-0.11,0.23
 3LH5,ARG_635,12.33,-0.56,0,0.38
 1JYH,TYR_94,10.16,-1.02,-0.56,1.74
 3DTE,ARG_165,12.6,-0.51,0.04,0.57
 2CWY,ARG_53,12.31,-0.38,0,0.19
 3LD1,LYS_312,9.94,-0.38,0,-0.19
 1XAW,LYS_511,10.17,-0.21,0,-0.12
 2F9F,CYS_93,12.97,-0.47,0.6,3.84
 4H4J,TYR_112,13.97,0.85,1.09,2.02
 1MTZ,CYS_66,13.11,-0.19,0.6,3.71
 3KEY,TYR_489,12.29,-0.04,0.49,1.84
 3GS3,ASP_77,2.57,-1.68,-0.5,0.95
 2FD5,ARG_23,13.27,-0.45,0.62,0.61
 2POL,ARG_237,12.28,-0.6,0,0.38
 2OEW,LYS_268,10.46,-0.07,0,0.03
 1DZF,LYS_94,10.33,-0.17,0,0
 3O48,TYR_69,10.48,-0.06,-0.36,0.91
 2ZOM,ASP_281,3.83,0,-0.24,0.27
 1TLV,LYS_244,10.47,-0.38,0.09,0.25
 3GYW,LYS_59,10.52,-0.14,0,0.16
 3IVF,GLU_384,4.92,0.42,0,0
 2IQT,ARG_54,10.26,-2.44,0,0.2
 3G9G,TYR_119,9.98,-0.22,-0.31,0.5
 2QDJ,CYS_221,12.4,-0.04,0.29,3.15
 2H2Z,ASP_155,3.26,-0.43,-0.34,0.23
 2IRM,HIS_68,4.51,-2.34,0,0.35
 1MSI,LYS_212,10.58,-0.19,0,0.27
 3IU5,ARG_148,12.03,-0.7,0,0.23
 1MHN,GLU_135,4.79,0.24,0,0.05
 1DVO,LYS_35,10.47,-0.03,0,0
 2V1L,GLU_121,4.66,0.23,0,-0.07
 2Q5X,ASP_870,2.86,-1.09,-0.77,0.93
 1JB3,GLU_24,3.86,0.27,-0.58,-0.32
 1ANU,ASP_93,2.86,-1.29,-0.15,0.5
 2E3S,ASP_496,3.29,-0.82,0,0.31
 3CJW,CYS_314,12.64,0.24,3.4
 2QRX,ARG_183,12.31,-0.19,0,0
 4AM1,GLU_341,4.8,1.61,-0.81,-0.5
 2ZOM,LYS_200,11.54,-0.32,0.59,0.77
 1YTD,LYS_320,10.96,-0.79,0.74,0.52
 2Q07,LYS_509,10.06,-0.3,0,-0.14
 2ZOM,LYS_205,10.45,-0.12,0,0.08
 3L7N,LYS_82,10.15,-0.21,0,-0.14
 1QYI,HIS_365,5.75,-0.67,0.02,-0.1
 1JXS,LYS_10,10.44,-0.34,0,0.28
 2PAD,TYR_142,11.96,-0.09,0.24,1.81
 3ASA,ARG_3,12.34,-0.16,0,0
 2NRR,HIS_420,5.62,-0.37,0,-0.49
 3RFY,ASP_276,4.06,-1.56,0.11,1.71
 2GEN,ARG_34,13.7,-0.34,0.86,0.69
 1T9S,GLU_39,4.82,1.35,-0.26,-0.77
 1R3F,TYR_76,11.23,-0.21,-1.04,2.47
 3L3P,TYR_487,10.39,0,0.04,0.35
 1SNT,ASP_254,3.07,-0.79,-0.36,0.42
 1F2V,ASP_151,2.26,-1.62,-0.38,0.46
 3TIR,GLU_15,4.75,0.29,0,-0.04
 3RLE,ASP_169,3.69,-0.38,0,0.28
 1XFK,TYR_282,11.99,0.04,1.95
 2V1L,GLU_75,4.81,0.83,-0.63,0.1
 2BV9,TYR_276,12.9,-0.85,-0.02,3.77
 3BWT,HIS_876,5.93,-0.47,0,-0.1
 2NRR,ARG_415,12.21,-0.3,0,0.02
 1PBW,LYS_159,10.42,-0.43,0,0.34
 2OEW,ASP_226,4.57,0,-0.08,0.86
 2RIS,ASP_92,3.61,-1.65,-0.38,1.84
 3UV9,GLU_449,4.04,0.31,-0.85,0.06
 4H86,HIS_-3,6.43,-0.21,0,14.0
 3JZ9,TYR_361,3.92,0.48,-0.85,-0.21
 4EZB,TYR_-4,10.17,0,0.06,0.12
 1ZP2,ARG_47,12.46,-0.06,0,0.03
 3H13,TYR_449,10.8,0,0.26,0.54
 4ANN,TYR_154,13.3,-0.19,0.11,3.38
 1T9S,GLU_149,3.98,0.42,-0.76,-0.17
 3GS3,CYS_94,12.23,0,0.06,3.18
 3ZXY,CYS_140,11.99,-0.04,0.05,2.98
 3AUF,GLU_146,4.71,0.23,0,-0.02
 3ETV,LYS_101,10.35,-0.09,0,-0.05
 1R2Z,LYS_212,9.94,-0.53,0,-0.02
 3HNX,ARG_96,12.24,-0.32,0,0.06
 2IXM,LYS_76,10.52,-0.28,0,0.29
 1P2F,HIS_45,5.61,-0.57,0,-0.32
 4ETX,GLU_290,4.79,0.29,0,0
 2B3M,GLU_38,4.61,0.2,0,-0.08
 2E3H,ARG_217,13.31,-0.29,0.84,0.26
 1QQE,GLU_82,3.42,0.95,-1.2,-0.82
 3LQE,TYR_477,12.41,-0.77,0.19,2.99
 3T5B,ARG_17,12.4,-0.13,0,0.03
 3JRT,LYS_34,10.72,-0.33,0.01,0.55
 1MML,ARG_44,13.03,-0.42,0.3,0.65
 2QDJ,ASP_145,3.45,-0.74,0,0.39
 3EIZ,ASP_133,3.96,0,-0.13,0.28
 2FC3,LYS_73,10.56,-0.3,0,0.36
 4ANN,GLU_177,4.6,0.21,0,-0.11
 3PP8,ASP_287,2.91,-0.84,-0.38,0.33
 2PIM,GLU_119,4.61,0.45,0,-0.34
 2PPN,ARG_18,12.48,-0.22,0,0.19
 1YOY,TYR_160,10.94,-0.39,0.15,1.18
 3F6F,LYS_121,10.31,-0.19,0,0
 3DHN,CYS_65,11.46,0.0,1.2,36
 1AD6,ASP_421,2.94,-0.82,-0.44,0.41
 3V46,ASP_297,3.86,-0.97,-0.17,1.2
 1AT0,ARG_366,13.41,-0.35,0.57,0.69
 4FZR,GLU_30,4.47,0.5,0,-0.52
 1RHS,GLU_277,5.25,2.14,-1.36,-0.04
 2X4G,ARG_166,12.36,-1.59,0.46,0.99
 1PSW,ARG_80,12.5,-0.07,0,0.07
 3EJC,TYR_8,10.19,0,0.19
 2R51,GLU_11,5.07,0.24,0.1,0.22
 3LMO,GLU_14,4.53,0.36,-0.37,0.04
 4FD6,ARG_178,12.39,-0.11,0,0
 3FX1,ARG_250,12.38,-0.12,0,0
 1N81,LYS_112,10.26,-0.29,0,0.04
 1V6T,LYS_26,10.69,-0.29,0,0.47
 3ANJ,ASP_65,3.04,-1.14,-0.08,0.46
 2C13,TYR_208,12.47,-0.09,0.4,2.16
 2BV9,ASP_174,3.17,-0.8,-0.26,0.44
 3SMD,CYS_107,11.82,0,0.08,2.74
 3M66,TYR_371,10.18,0,0.03,0.15
 2C2Y,ARG_31,12.17,-0.33,0,0
 2H85,ASP_282,2.69,-2.08,-0.45,1.42
 3BWT,ASP_755,4.02,-1.46,-0.02,1.7
 2FBI,GLU_34,3.09,0.77,-1.3,-0.87
 1L2F,ASP_277,4.01,0,-0.08,0.29
 3H9W,TYR_38,10.28,0,-0.11,0.39
 3CJW,ASP_324,2.7,-1.1,-0.36,0.36
 4AM1,LYS_28,10.27,-0.57,0,0.34
 3V1Q,ASP_508,2.18,-1.64,-0.78,0.8
 4GCO,TYR_180,11.23,0,-1.39E-17,1.22
 1YR6,GLU_239,4.64,0.31,0,-0.16
 3HVM,GLU_180,4.65,0.87,0,-0.73
 1O6D,ASP_55,3.29,-0.85,-0.63,0.97
 1DZF,ASP_207,12.44,-0.06,0,0
 1SNT,HIS_163,6.42,-2.87,0.88,1.91
 3U2R,ASP_134,2.4,-1.17,-0.8,0.58
 3NOK,GLU_50,4.74,0.23,0,0.01
 2Z84,LYS_13,10.4,-0.28,0,0.18
 3DSH,GLU_277,4.75,0.16,0,0.09
 1YR6,TYR_241,12.88,-0.81,0.45,3.25
 3KEV,ASP_508,2.18,-1.64,-0.78,0.8
 2O8P,LYS_138,11.19,-0.94,0.85,0.77
 2IQT,ARG_195,12.92,-0.36,0.2,0.58
 3CGW,TYR_74,10.41,0,0.07,0.33
 1MN3,ASP_411,3.9,0,-0.09,0.19
 3PZ9,LYS_162,12.24,-0.93,1.7,0.98
 1DUP,GLU_134,4.5,0.13,-0.13,0
 3RNV,LYS_366,10.39,-0.22,0,0.12
 4DBX,HIS_251,5.6,-0.56,0,-0.34
 2GS5,ASP_154,4.07,-0.69,0.25,0.7
 3T57,LYS_276,11,-0.71,0.55,0.66
 2ZQ5,LYS_279,10.35,-0.26,0,0.11
 3G9T,ARG_292,12.04,-0.62,0,0.16
 2CW4,GLU_61,3.87,0.49,-0.61,-0.5
 3VHJ,LYS_120,10.35,-0.28,0,0.13
 3BWT,LYS_850,10.98,-0.25,0.34,0.38
 1R3F,GLU_224,4.8,0.15,0,0.15
 3O16,GLU_142,4.5,0.19,-0.25,0.06
 3GOZ,ASP_149,3.89,-0.64,-0.05,0.77
 3E7P,ARG_159,11.57,-1.11,0,0.17
 3GA2,LYS_149,10.54,-0.16,0,0.2
 2P52,LYS_162,9.85,-0.45,0,-0.2
 1SNT,ARG_83,12.92,-0.39,0.32,0.49
 3U2R,GLU_138,3.18,0.39,-1.25,-0.46
 4EZB,GLU_50,4.5,0.19,0,-0.19
 1P6F,TYR_37,11.79,-0.58,0.24,2.13
 2E3I,GLU_62,2.96,0.56,-1.32,-0.78
 1P2F,ASP_177,3.93,0,-0.03,0.16
 1WXQ,ARG_377,12.23,-0.44,0,0.17
 3M7G,GLU_213,4.35,0.26,-0.23,-0.18
 3IU5,ARG_66,13.24,-0.33,0.66,0.4
 2WZ9,LYS_96,10.23,-0.28,0,0.01
 3FNI,CYS_57,11.7,0,0.05,2.65
 2H2Z,HIS_64,6.27,-0.22,0,-0.01
 1UW7,LYS_81,10.47,-0.03,0,0
 4FLE,GLU_168,3.53,0.62,-1.49,-0.1
 2WOZ,HIS_440,3.33,-3.11,0.02,-0.09
 3JZN,CYS_324,9.52,-1.42,0.34,1.59
 3LPZ,ASP_116,1.96,-1.35,-1.09,0.59
 3CS1,GLU_160,4.08,0.33,-0.37,-0.38
 3BB7,ARG_267,12.71,-3.55,1.18,2.59
 1YTD,ASP_302,4.02,0,-0.06,0.28
 2QHT,GLU_54,4.36,0.17,-0.31,0
 1GPP,TYR_154,10.26,0,-0.15,0.42

2188,HIS_440,6.38,-0.28,0,0.16
 15NT,LYS_370,10.62,-0.19,0,0.31
 1U3Y,GLU_341,4.64,0.16,0,-0.03
 1J33,ARG_199,12.47,-0.24,0,0.21
 3DZ1,LYS_70,10.24,-0.26,0,0
 3L7N,LYS_79,10.49,-0.31,0,0.31
 3OIP,ASP_102,3.44,-0.64,-0.05,0.33
 2OJQ,ASP_591,4.09,0,0,0.29
 2IRM,ASP_36,3.9,0,-0.1,0.2
 3BZT,LYS_321,11.2,-0.5,0.7,0.49
 2IN0,ARG_43,13.28,-0.41,0.74,0.46
 3EVN,ASP_79,4.18,0,-0.53,0.9
 3CAN,LYS_116,11.69,-0.33,0.85,0.67
 3KB5,LYS_317,10.43,-0.07,0,0
 1Y2Q,GLU_69,4.7,0.29,0,-0.09
 1EDG,ARG_172,12.64,-2.09,0.63,1.6
 2Q13,ARG_154,12.45,-0.05,0,0
 2F8H,ARG_244,13.32,-0.36,0.73,0.45
 3GEC,LYS_335,10,-0.09,-0.33,0.43
 1160,LYS_265,10.06,-0.48,0,0.04
 2B0J,ASP_56,3.41,-0.36,-0.27,0.24
 2Z61,LYS_59,11.01,-0.46,0.24,0.74
 1O5T,ARG_388,12.28,-0.4,0,0.18
 3CZC,LYS_3,10.87,-0.18,0,0.56
 2QVT,ASP_140,4.18,0,-0.05,0.42
 3V55,LYS_702,10.96,-0.28,0,0.74
 2O4D,ARG_41,12.42,-1.5,0.86,0.56
 2NYC,ARG_264,13.02,-0.84,0.63,0.73
 2R0S,GLU_305,4.38,0.27,-0.06,-0.33
 2P4D,LYS_51,10.48,-0.23,0,0.21
 3JRT,HIS_105,5.61,-0.89,0,0
 3LJN,LYS_66,11.39,-0.27,0.57,0.58
 1LZL,GLU_10,4.25,0.35,-0.82,0.22
 1VJG,GLU_75,4.47,0.14,0,-0.17
 3F53,ASP_80,3.74,0,-0.43,0.37
 3KEY,TYR_337,10.89,0,-0.03,0.92
 2B0A,LYS_67,9.74,-1.09,0,0.32
 4DBX,ASP_174,2.91,-0.85,-0.48,0.44
 1DTO,TYR_87,10.13,-0.75,0.14,0.75
 4DBL,TYR_239,11.82,0.65,0.08,1.09
 2ZTY,ARG_13,12.27,-0.25,0,0.02
 2ZCX,ARG_128,12.77,-0.17,0.44,0
 4ACJ,TYR_769,10.44,0.03,0.41
 21QT,ARG_153,12.71,-0.21,0,0.42
 3C2E,LYS_292,10.36,-0.37,0,0.24
 1UCH,CYS_95,11.29,-0.83,0.19,2.92
 2D7U,HIS_331,5.97,-0.83,0,0.31
 1GQE,ARG_60,12.33,-0.38,0,0.21
 2FL4,HIS_145,6.52,-0.35,0,0.36
 1RSS,ASP_140,2.01,-1.49,-0.79,0.49
 3CNU,LYS_109,10.27,-0.14,0,-0.09
 3RLE,ASP_148,2.31,-2.26,0,0.78
 3O16,ASP_94,3.04,-1.36,-0.35,0.95
 3IU5,TYR_60,10.04,-0.08,-0.28,0.41
 2WB8,HIS_746,4.2,-1.96,0.13,-0.46
 1R3F,TYR_199,10.6,0,-0.25,0.85
 3M70,LYS_117,10.91,-0.22,0.21,0.42
 3GYW,TYR_53,10.74,0.1,0.44,0.2
 2YWJ,ARG_106,12.35,-0.19,0,0.04
 3FK5,GLU_172,4.58,0.13,0,-0.05
 1X8F,ARG_168,11.4,-1.94,0,0.84
 3CSR,LYS_120,10.1,-0.37,0,-0.03
 1SI7,HIS_82,6.19,-0.18,0,-0.12
 3CCY,LYS_122,10.3,-0.12,0,-0.08
 2FBQ,LYS_21,10.29,-0.3,0,0.1
 3R2E,GLU_8,4.61,0.16,0,-0.05
 2R0S,ASP_299,2.46,-1.39,-0.38,0.43
 2PGX,ASP_201,3.28,-0.82,-0.13,0.43
 3SMD,LYS_132,10.48,-0.53,0.13,0.38
 4FD6,LYS_215,10.08,-0.46,0,0.03
 3IVF,ASP_110,3.7,-0.26,-0.26,0.42
 2P4D,LYS_128,10.25,-0.37,0,0.12
 1TUL,LYS_94,10.73,-0.1,0,0.33
 1R15,ARG_64,12.25,-0.13,0,-0.12
 3OBS,CYS_73,10.4,-0.85,-0.1,2.36
 3LOD,HIS_116,6.31,-0.19,0,0
 2NYC,ASP_197,3.95,0,-0.05,0.2
 1YTQ,ARG_190,13.43,-0.44,0.72,0.66
 1ZP2,CYS_82,12.62,0,0,3.62
 2EA9,GLU_74,4.24,0.28,-0.54,0
 2VAN,GLU_154,5.22,1.07,0,-0.35
 1X04,GLU_166,3.59,0.28,-0.73,-0.46
 2Q13,LYS_119,10.67,-0.3,0,0.47
 1X04,LYS_205,10.57,-0.16,0,0.23
 3ZTA,GLU_143,4.69,0.19,0,0
 1R15,ARG_183,11.79,-1.87,0.57,0.58
 3SMD,GLU_69,4.3,0.76,-0.77,-0.18
 3Q1C,TYR_67,12.52,0,0,12.24
 2Z61,ASP_112,3.88,-0.14,0.01,0.22
 1XKR,GLU_35,3.47,0.24,-0.82,-0.44
 3IL3,GLU_41,4.92,0.56,0,-0.13
 2X4G,GLU_230,4.24,1.04,-0.71,-0.59
 4EZB,HIS_87,6.51,-0.47,0.33,0.16
 1JYH,ASP_56,3.94,0,0,0.14
 2W2S,GLU_48,4.59,0.09,0,0
 1160,LYS_138,9.82,-0.5,0,-0.18
 3RE9,GLU_199,4.47,0.13,0,-0.16
 3GS9,ASP_4,3.88,0,-0.18,0.26
 3RLN,LYS_621,9.78,-0.85,0,0.13
 1PSW,CYS_186,12.63,-0.2,0.52,3.32
 3BB7,GLU_72,4.69,0.19,0,0
 4AF2,GLU_156,4.06,0.49,-0.79,-0.15
 1RAJ,HIS_320,6.68,-0.31,0,0.5
 3CX5,TYR_84,10.48,0.09,0.38
 3PP8,ARG_266,12.25,-0.25,0,0
 1EYH,HIS_15,6.47,-0.05,0,0.02
 3B7X,GLU_45,4.83,0.3,0,0.03
 2OKT,GLU_174,3.85,1.51,-0.85,-1.3
 3HYQ,GLU_87,5.91,3.03,-0.79,-0.82
 2FG1,TYR_5,11.68,0.12,0.28,1.28
 2OPJ,HIS_274,6.35,-0.15,0,0
 1NWA,ARG_147,13.17,-0.5,0.47,0.7
 3JSN,GLU_51,3.95,0.47,-0.74,-0.28
 1KN3,ARG_26,12.6,-0.38,0,0.48
 2R0S,ASP_67,3.26,-0.85,-0.43,0.74
 3RRQ,TYR_121,12.19,-0.01,-0.31,2.51
 1WNH,GLU_191,4.27,0.25,-0.48,0
 2R0S,LYS_57,10.46,-0.11,0,0.07
 2X4L,GLU_277,4.22,0.26,-0.68,0.14
 1H4U,ASP_511,2.52,-1.43,-0.45,0.59
 2PP6,GLU_73,4.61,0.28,0,-0.17
 2B3M,LYS_27,9.77,-0.68,0,-0.04
 3DZ1,HIS_168,4.22,-2.38,0.11,-0.01
 2G9D,TYR_260,11.61,0.002,1.59
 3EUR,GLU_89,3.87,0.44,-0.72,-0.34
 2YT4,GLU_534,4.6,0.1,0,0
 2Q98,HIS_180,5.95,-0.59,0,0.04
 1OIS,TYR_170,9.82,-1.55,0.45,0.92
 3AU3,CYS_607,11.18,-0.12,-0.07,2.36
 2AZL,ASP_62,4.16,-0.17,-0.03,0.55
 2W2S,ARG_87,12.42,-0.45,0,0.37
 3GW3,GLU_167,4.57,1.47,-1.13,-0.26
 3BZT,CYS_269,12.34,-0.42,0.13,3.63
 1XEU,GLU_221,4.54,0.17,0,-0.13
 3DZ1,LYS_73,10.39,-0.08,0,-0.03
 1S1G,HIS_180,6.32,-1.54,0.85,0.51
 2O4D,GLU_66,3.16,0.39,-1.35,-0.38
 1ZYL,ARG_305,12.45,-0.3,0,0.24
 2CXA,LYS_83,10.4,-0.1,0,0
 3ANJ,GLU_83,4.72,2.89,-1.98,-0.7
 2O8PLYS_61,10.37,-0.15,0,0.02
 2GZQ,CYS_187,11.81,0,-0.06,2.86
 2YX0,ARG_265,12.46,-0.46,0,0.41
 2CXA,GLU_17,3.86,0.17,-0.69,-0.12
 2D0A,HIS_78,6.49,-0.31,0,0.3
 3HNX,HIS_0,6.73,-0.4,0.82,-0.19
 3S0A,GLU_4,3.77,0.32,-0.85,-0.2
 2IXM,TYR_199,12.32,0,0.05,2.27
 2QV2,TYR_64,10.11,0,0.06,0.05
 3PZ9,TYR_366,10.55,0,-0.06,0.61
 3EOD,HIS_72,6.31,-0.3,0,0.11
 3F1X,ASP_32,3.93,0,0.03,0.1
 2D7U,GLU_216,5.54,0.98,0,0.06
 2B6P,ASP_150,1.58,-2.68,-0.95,1.41
 2BQQ,ASP_134,5.13,0,0.34,1
 1UAJ,LYS_206,10.79,-0.24,0,0.53
 2F9F,LYS_130,10.44,-0.11,0,0.05
 1DUP,LYS_8,10.33,-0.17,0,0
 3P2F,TYR_22,12.17,-0.89,0.74,2.33
 3CGW,GLU_242,4.72,0.26,0,-0.04
 1F09,ARG_179,12.36,-0.19,0,0.05
 1XFK,ARG_24,11.9,-0.6,0,0
 3IO0,HIS_156,4.35,-2.38,0,0.23
 3LOE,ASP_313,2.4,-1.82,-0.01,0.43
 1CHD,LYS_340,10.36,-0.35,0,0.22
 2Q13,GLU_14,3.89,0.22,-0.85,0.02
 1PV5,GLU_21,3.74,0.24,-0.61,-0.38
 1YB6,ARG_117,13.3,-0.27,0.69,0.37
 4DBX,GLU_129,4.29,0.6,-0.43,-0.38
 1AT0,GLU_277,4.01,0.26,-0.42,-0.32
 3RLE,GLU_78,4.64,0.21,0,-0.07
 3G9G,ASP_178,3.05,-1.12,-0.44,0.81
 2Q34,HIS_220,6.41,-0.15,0,0.07
 2E3C,GLU_337,4.86,0.92,-0.02,-0.55
 2IIRC,LYS_491,10.32,-0.19,0,0.01
 1IAP,GLU_132,4.56,0.2,0,-0.13
 2CL3,TYR_24,10.03,0,0,0.03
 3M66,GLU_296,4.81,0.31,0,0
 2A6B,GLU_161,4.5,0,0,0
 1ILW,TYR_149,11.91,0.85,0.56,0.49
 3I4T,GLU_201,3.46,1.37,-2.29,-0.12
 2CWC,TYR_220,12.2,0.85,0.41,0.94
 2HRZ,HIS_227,4.27,-3.03,0.8,0
 1O5J,GLU_98,4.64,0.24,0,-0.11
 3EVZ,GLU_115,4.67,0.22,-0.09,0.04
 1RHS,GLU_172,4.53,0.21,0,-0.18
 2CXA,LYS_183,10.34,-0.16,0,0
 1OLR,HIS_188,4.73,-1.3,0,-0.48
 1R9W,HIS_306,6.22,-0.28,0,0
 2E3I,LYS_123,10.28,-0.16,0,-0.06
 4FCU,ASP_171,3.04,-1.02,0,0.26
 3EVZ,LYS_229,10.57,-0.33,0,0.4
 1R3D,HIS_135,5.1,-1.2,0,-0.21
 1ZBP,ARG_222,11.9,-0.63,0,0.03
 2QK1,ASP_457,3.2,-0.79,-0.59,0.77
 3OKQ,HIS_630,6.18,-0.35,0,0.03
 1R9W,LYS_299,10.31,-0.25,0,0.06
 1F09,ARG_387,11.64,-1.03,0,0.17
 3H8Y,ARG_38,12.34,-0.37,0,0.21
 3I4T,LYS_51,10.35,-0.36,0,0.22
 2XMZ,GLU_8,4.49,0.35,0,-0.37
 1JT9,ASP_113,3.22,-0.73,-0.18,0.32
 3OBS,LYS_14,10.48,-0.09,0,0.07
 3C6B,TYR_38,10.79,0,-0.04,0.83
 2CZ2,ASP_196,3.75,-0.15,-0.2,0.29
 3RFY,ASP_186,3.56,-0.2,-0.4,0.36
 2YX0,ASP_220,2.65,-1.23,-0.49,0.58
 4ACJ,GLU_714,4.5,0,0,0
 3IU5,GLU_86,4.86,0.15,0,0.21
 21QT,LYS_145,10.57,-0.33,0,0.39
 3AUF,ASP_201,4.05,0,0.15,0.1
 3V55,GLU_568,4.54,0.1,0,-0.06
 2Z61,ASP_114,2.64,-1.58,-0.65,1.06
 3LH5,ARG_645,10.06,-2.45,0,0.01
 4E8B,ARG_30,13.35,-0.51,0.95,0.41
 1SI7,ASP_100,3.99,-0.16,0,0.34
 3A7L,HIS_13,5.34,-1.23,0,0.08
 2CBE,LYS_225,10.61,-0.26,0,0.36
 4F8A,ASP_675,3.57,0,-0.5,0.26
 1PV5,GLU_55,4.78,0.28,0,0.1
 1O9G,ARG_74,11.59,-0.94,0,0.03
 2OKT,GLU_134,4.17,0.27,-0.28,-0.31
 2QK1,LYS_551,10.32,-0.2,0,0.03
 2OB5,TYR_110,11.21,0,0,1.21
 2H85,GLU_326,4.08,0.28,-0.31,-0.38
 3MTT,HIS_450,5.12,-1.08,0,-0.29
 2C2Y,LYS_245,6.41,-0.43,0,0.35
 4GCO,ARG_205,12.49,-0.29,0,0.28
 1E59,HIS_195,6.7,-1.06,0.85,0.41
 1KCM,HIS_226,2.41,-3.14,0,-0.95
 1XTZ,ARG_83,12.28,-0.22,0,0
 3LOD,CYS_62,12.05,0,-0.07,3.12
 3ASA,TYR_71,10.06,0,-0.01,0.07
 2IF4,ASP_247,4,0,0,0.2
 1TUL,LYS_36,10.6,-0.06,0,0.16
 3CNU,GLU_44,4.83,0.52,0.03,-0.22
 2ZTY,TYR_31,10.77,0,0.03,0.74
 2OEW,TYR_29,10.5,-0.54,0.39,0.65
 1C3K,ASP_66,3.14,-0.68,-0.16,0.19
 2W2S,LYS_60,10.57,-0.26,0,0.33
 3PP8,LYS_32,11.06,-0.19,0.36,0.38
 1NFN,ARG_119,12.01,-0.52,0,0.02
 2EJX,ASP_100,3.2,-0.83,-0.21,0.43
 3VJ8,ARG_148,12.44,-0.37,0,0.31
 2BLD,CYS_420,12.53,-0.05,-0.05,3.63
 3GYW,ASP_275,4.17,0,0.01,0.36
 2CXC,LYS_59,10.43,-0.08,0,0.01
 1RKA,ARG_131,12.06,-0.77,0,0.33
 2BQQ,ARG_102,12.37,-0.38,0,0.25
 3BCY,HIS_108,6.48,-0.26,0,0.25
 2AXO,LYS_196,11.39,-0.26,0.75,0.39
 2QOP,GLU_64,4.73,0.22,0,0.01
 3H5T,GLU_257,4.05,0.32,-0.44,-0.34
 3GYW,TYR_79,11.57,0,0.06,1.49
 3GW3,CYS_66,10.13,-0.8,-0.02,1.96
 1GPP,ARG_94,13.3,-0.47,0.65,0.42
 1N81,LYS_147,10.28,-0.06,0,0.04
 3OKQ,ASP_658,4.05,0,0,0.25
 3HVM,HIS_130,6.03,-0.68,0,0.22
 2CXC,ASP_112,3.89,0,-0.04,0.13
 3CAX,LYS_206,9.65,-0.62,0,-0.23
 2QDJ,ARG_320,12.85,-0.33,0.26,0.43
 3RFF,ARG_155,12.43,-0.41,0,0.34
 4ESS,GLU_141,3.77,0.41,-0.64,-0.49
 2V4U,ARG_479,12.3,-0.2,0,0
 3P28,HIS_188,6.22,-0.23,0,-0.05
 2OPJ,ARG_288,12.82,-0.22,0,0.54
 2FG1,GLU_48,3.84,0.26,-0.84,-0.1
 2BDD,LYS_79,10.6,-0.12,0,0.22
 1YLN,CYS_56,11.11,0,-0.02,2.14
 3V55,GLU_437,3.81,0.23,-0.85,-0.06
 2CIU,ARG_152,12.03,-0.47,0,0
 2EDM,ASP_196,3.66,-0.53,0,0.39
 2P4D,GLU_131,4.58,0.08,0,0
 1F2V,ARG_29,11.79,-0.83,0,0.12
 1J33,ARG_207,12.41,-0.19,0,0.1

3ASA,ASP_341,3.97,0,-0.12,0.29
2HP7,ARG_94,13.26,-0.14,0.62,0.29
3M3P,ASP_40,3.17,-0.85,-0.21,0.43
2J8A,LYS_273,10.34,-0.24,0,0.08
1YR6,CYS_244,10.95,0.84,0,0.71
4FCU,ARG_170,12.45,-0.15,0,0.09
3AU3,GLU_422,4.66,0.16,0,0
1HUF,ASP_22,3.45,-0.54,-0.24,0.44
3IL3,TYR_87,10.04,0,0,0.04
3COU,HIS_109,3.59,-2.46,0,-0.45
1OXZ,TYR_253,12.04,0.65,0.38,1.01
1J33,GLU_196,4.28,0.1,0,-0.32
1F09,ARG_117,12.84,-0.23,0,0.57
1WXQ,LYS_114,10.52,-0.25,0,0.26
1R53,GLU_64,4.67,0.23,0,-0.06
1KCM,ARG_245,12.69,-0.32,0.16,0.36
1PVT,HIS_92,6.67,-0.9,0.63,0.45
3D9H,HIS_69,5.78,-0.42,0,-0.31
4H89,HIS_155,5.68,-0.66,0,-0.15
1TR9,CYS_267,12.53,0,0.51,3.02
1XIP,LYS_195,11.2,-0.42,0.74,0.38
2OKT,LYS_261,11.43,-0.37,0.85,0.44
1W7B,LYS_310,11.31,-0.65,0.85,0.6
2EHG,GLU_133,4.55,0.34,0,-0.3
4DEZ,GLU_85,4.6,0.14,0,-0.04
1YTD,ASP_70,3.48,-0.71,-0.67,1.07
1QQE,GLU_128,4.27,1.87,-1.43,-0.67
1AD6,ARG_467,13.98,-0.32,1.42,0.38
3CX2,LYS_244,10.42,-0.08,0,0
3RLE,GLU_110,4.56,0.25,0,-0.2
3ADO,ARG_314,11.75,-0.84,0,0.09
3CAX,GLU_268,4.84,0.3,0,0.04
3G9G,GLU_20,3.64,0.37,-0.85,-0.38
3O16,LYS_223,10.48,-0.13,0,0.12
3FRR,CYS_125,10.35,-0.4,-0.15,1.91
1D2K,LYS_358,11.41,-0.28,0.68,0.51
1H09,ASP_234,3.25,-1.61,-0.13,1.18
2OPJ,CYS_54,12.84,0,0.22,3.62
3K1H,ASP_68,2.97,-1.19,-0.03,0.39
1RWZ,ARG_26,12.23,-0.77,0.14,0.36
1FHL,TYR_57,11.57,-0.82,-0.19,2.57
3IDW,LYS_2,10.49,-0.01,0,0
1WRU,ARG_265,13.39,-1.41,1.42,0.88
3MEW,GLU_231,4.54,0.12,0,-0.08
3IVF,LYS_274,10.44,-0.06,0,0
3ERF,ARG_219,13.01,-1.45,0.88,1.07
3V46,LYS_368,10.44,-0.09,0,0.03
1NRI,CYS_254,8.69,-0.68,0,0.37
3G9T,ASP_182,3.89,0,-0.08,0.13
3L0D,TYR_124,12.49,0,0,2.49
3B4D,ARG_172,13.21,-0.34,0.68,0.37
2VGM,LYS_293,10.47,-0.24,0,0.22
3RVC,LYS_175,10.66,-0.34,0,0.49
2Q98,ARG_16,12.5,-0.2,0,0.2
3ULX,TYR_137,12.96,0.05,0.23,2.68
3RE9,GLU_243,4.76,0.24,-0.01,0.03
1X8F,GLU_278,4.56,0.06,0,0
2FZ4,GLU_163,3.42,1.19,-1.46,-0.81
3H13,TYR_360,13.1,-0.82,1.09,2.83
1GQE,GLU_94,4.58,0.08,0,0
1SIG,GLU_124,5.92,1.99,-0.22,-0.36
2Z61,ASP_141,3.04,-0.85,-0.41,0.49
3L3P,GLU_476,4.1,0.77,-0.55,-0.62
1G5Z,GLU_132,4.55,0.24,0,-0.18
2OJQ,ASP_376,4.09,0,-0.05,0.34
1LN4,HIS_44,5.48,-0.59,0,-0.43
1WLY,GLU_73,3.92,0.51,-0.62,-0.46
2V1L,LYS_7,10.35,-0.1,0,-0.05
1WP5,LYS_50,10.26,-0.46,0,0.22
1TXJ,ASP_28,3.8,0,-0.15,0.16
1XWM,TYR_137,12.94,0.0,0.26,2.68
2R51,TYR_77,12.87,0.16,0.49,2.23
3RFY,LYS_248,10.58,-0.37,0,0.45
3KEY,ARG_454,12.41,-0.77,0,0.68
3PU6,ARG_80,12.42,-0.08,0,0
3G9G,ARG_205,13.1,-0.57,0.49,0.68
3H5T,ASP_46,3.56,-0.61,-0.04,0.41
4F85,LYS_130,10.25,-0.42,0,0.17
3BB7,TYR_264,10.99,-0.29,0.58,0.7
1D2K,ASP_152,4.41,0,-0.08,0.69
4H4J,ASP_59,4.08,0,0.08,0.2
1WYC,ARG_274,11.11,-1.31,0,-0.08
2IXM,GLU_75,4.76,0.22,0,0.04
1F2V,GLU_79,4.49,0.43,-0.01,-0.43
3EVZ,TYR_119,10.35,-0.16,0.05,0.46
1RAJ,ARG_402,12.34,-0.19,0,0.04
3K8U,GLU_64,4.58,0.15,0,-0.06
1WXF,TYR_33,10.72,0.0,0.36,0.36
2V4U,LYS_309,10.11,-0.12,0,-0.28
1ZKZ,ASP_48,4.39,0.12,0.28,0.18
2J8A,GLU_282,4.85,0.52,0,-0.17
3I47,ASP_41,4.05,0,-0.02,0.28
2E3H,ASP_235,3.28,-0.78,0,0.25
3GFP,ARG_423,9.65,-3.24,0.0,0.39
3DZ1,ARG_94,13.22,-0.46,0.69,0.49
2VGM,GLU_261,3.3,0.49,-1.55,-0.14
3M66,GLU_304,3.9,0.43,-0.62,-0.41
1PBW,GLU_165,4.47,0.45,-0.75,0.27
1X04,LYS_155,10.44,-0.06,0,0
3OKQ,LYS_619,10.56,-0.17,0,0.23
2OJQ,GLU_597,4.54,0.12,0,-0.09
1KW4,LYS_55,10.41,-0.12,0,0.04
3IRA,GLU_157,3.52,0.25,-0.85,-0.38
3M7G,LYS_184,10.05,-0.89,0,0.43
2CXA,GLU_70,4.23,0.53,-0.8,0
3OKQ,ASP_671,3.86,-0.25,0.0,0.31
1XIP,ARG_68,12.25,-0.81,0,0.56
1Q42,ASP_159,3.65,-0.09,-0.4,0.34
3B21,ARG_210,13.12,-0.17,0.17,0.63
2FL4,LYS_101,11.23,-0.39,0.58,0.53
2ZQ5,HIS_153,6.14,-0.67,0.19,0.7
3ASA,HIS_163,7.26,-0.30,0.81,0.32
2IQT,LYS_67,11.52,-0.5,0.85,0.66
2C2Y,GLU_183,2.89,1.7,-2.38,-0.92
2IXM,LYS_194,12.09,-0.84,1.7,0.73
3FFM,LYS_24,10.31,-0.29,0,0.1
2EHG,GLU_33,4.3,0.61,-0.41,-0.39
1P6F,ARG_56,12.44,-0.06,0,0
2NRR,GLU_349,4.71,0.54,0,-0.32
1DUP,HIS_58,6.26,-0.42,0,0.18
2EJB,ARG_178,12.39,-0.17,0,0.06
1SNT,GLU_376,4.1,0.6,-0.69,-0.31
2IXM,GLU_234,4.39,0.24,0,-0.35
1FKM,LYS_320,10.48,-0.15,0,0.12
2OKT,LYS_252,10.89,-0.59,0.5,0.48
1QQE,ASP_264,3.19,-0.78,-0.3,0.47
2CIU,ASP_163,1.5,-2.37,-0.62,0.69
1CBY,HIS_59,5.83,-1.08,0.46,-0.04
2XHC,LYS_130,10.43,-0.07,0,0
2EYI,LYS_43,11.55,-0.36,0.84,0.56
2RGY,ARG_116,12.37,-0.47,0,0.34
3M9A,ARG_77,12.47,-0.03,0,0
3IVF,LYS_334,10.6,-0.12,0,0.22
2H8O,ARG_63,11.92,-0.72,0,0.14
3A4C,CYS_453,8.25,-1.13,0.02,0.36
3ZSL,LYS_227,10.44,-0.13,0,0.07
1WYC,ARG_293,13.28,-0.45,0.77,0.46
4DVD,HIS_78,6.15,-0.22,0,-0.13
3T5B,HIS_178,3.77,-2.94,0,0.21
2BDV,CYS_2,11.59,-0.28,-0.96,3.83
3O48,ARG_77,12.34,-0.27,0,0.11
1L3K,LYS_87,10.69,-0.38,0.14,0.44
1XTD,CYS_43,10.32,0.0,0.13,1.19
2E3C,GLU_340,3.91,0.4,-0.75,-0.24
3LD1,GLU_314,4.35,0.23,-0.05,-0.32
3IDW,ASP_53,3.46,-1.17,-0.33,1.14
2FM9,ASP_161,4.05,0,-0.05,0.3
1LN4,GLU_90,4.45,0.25,0,-0.29
3HUE,ARG_304,12.47,-0.06,0,0.03
1PZC,TYR_82,11.69,0,0,1.69
3F5D,ASP_73,4.14,0.01,0.33
3P2F,GLU_101,7.34,4.29,-1.04,-0.4
1NJ4,ASP_307,2.65,-0.66,-0.9,0.42
1O6D,HIS_114,5.71,-0.59,0,-0.2
2NRK,TYR_120,11.85,0.83,0.41,0.61
3GW3,ARG_184,12.37,-0.39,0,0.26
3V55,LYS_644,10.93,-0.13,0,0.55
1SJB,LYS_533,10.61,-0.2,0,0.31
2B61,TYR_249,10.34,-0.01,-0.36,0.71
2AZP,GLU_146,4.17,0.39,-0.34,-0.38
1RWZ,ASP_146,2.86,-0.85,-0.52,0.43
3CCY,LYS_127,11.45,-0.39,0.85,0.49
1RKA,LYS_269,11.49,-0.5,0.91,0.59
3RJJ,LYS_159,10.36,-0.38,0,0.24
1MUF,TYR_122,11.32,0,0.07,1.25
1PVT,ASP_206,5.19,0,0.39,1
1QVI,GLU_355,4.68,0.18,0,0
1WYC,HIS_108,6.31,-2.35,1.68,0.48
2YXO,LYS_120,11.15,-0.61,0.79,0.46
2W8B,ARG_779,12.31,-0.28,0,0.09
2IQT,ARG_251,13.06,-0.3,0.3,0.55
2ZCX,ARG_91,12.68,-0.31,0,0.48
3C38,ASP_216,3.99,0,-0.04,0.22
1DOV,ARG_137,13.2,-0.35,0.69,0.36
3GEG,ARG_193,12.9,-1.81,1.43,0.78
3GG6,TYR_145,10.4,0,0,0.4
3ONT,TYR_8,10.08,0,0,0.08
3I4T,LYS_269,10.49,-0.01,0,0
1UAJ,GLU_130,4.94,1.15,-0.85,0.14
3V1Q,GLU_543,4.65,0.36,0,-0.21
2R51,GLU_177,3.85,0.35,-0.77,-0.24
1V43,GLU_16,4.68,0.34,0,-0.16
2V5B,ARG_99,12.4,-1.03,0.43,0.5
2PP6,LYS_50,11.11,-0.27,0.39,0.49
2FBQ,ARG_139,12.67,-0.33,0.2,0.29
1G5Z,GLU_140,3.3,0.6,-1.07,-0.72
2E0T,GLU_177,3.92,0.3,-0.87,-0.01
2GKG,CYS_66,11.42,0,-0.21,2.63
4DNU,LYS_269,10.4,-0.32,0,0.21
1R3D,CYS_43,11.4,0,0,2.4
1XFK,TYR_301,13.59,0.66,0.56,2.37
2YWJ,LYS_177,10.55,-0.3,0,0.34
3OBS,LYS_16,10.51,-0.1,0,0.11
4FZN,ARG_176,11.74,-0.76,0,0
1W7B,GLU_66,4.64,0.17,0,-0.03
1ZHV,GLU_129,4.57,0.09,0,-0.03
2E3C,ASP_292,4.09,0,0,0.29
2F9F,GLU_56,3.1,0.4,-1.46,-0.34
1AKO,GLU_34,4.2,2.34,-1.64,-0.99
3CRM,GLU_275,4.54,0.18,0,-0.14
3GW3,ASP_117,2.29,-1.77,-0.41,0.67
2Q34,ARG_211,12.68,-0.72,0.52,0.38
1YW5,HIS_106,5.16,-1.44,0,0.1
3RKV,LYS_229,10.45,-0.05,0,0
2A0J,GLU_27,4.31,0.31,0,-0.5
2AXO,CYS_234,11.84,-0.03,-0.02,2.89
1EDG,LYS_363,10.31,-0.43,0,0.24
3M7G,GLU_15,3.88,0.49,-0.78,-0.34
2I88,LYS_510,9.95,-0.46,0,-0.09
2Q13,GLU_131,4.72,0.25,0,-0.04
3IL3,GLU_148,4.76,0.63,-0.01,-0.36
2V5B,ARG_208,10.67,-1.92,0,0.09
3V55,CYS_667,9.87,-0.43,-0.02,1.31
1LTU,LYS_82,10.61,-0.13,0,0.24
2VGM,LYS_238,10.36,-0.27,0,0.15
2OBI,TYR_96,12.22,0.85,0.38,0.99
3IOO,ARG_172,12.46,-0.12,0,0.07
1NFN,GLU_66,2.96,0.51,-1.4,-0.65
1L2F,ASP_241,3.42,-0.78,0,0.39
1Q5Z,GLU_620,3.77,0.24,-0.59,-0.38
1SIG,GLU_381,4.76,0.31,0,-0.05
2B2H,GLU_183,4.69,0.24,-0.04,0
3TOW,TYR_189,11.17,-0.24,0.48,0.93
2EFK,HIS_177,6.14,-0.24,0,-0.12
1JYH,GLU_82,4.56,0.08,0,-0.02
1X91,ARG_63,12.32,-0.22,0.0,0.05
3JZN,TYR_387,9.59,-1.33,-0.2,1.12
3F5D,ASP_127,3.26,-0.85,0.31
4EKU,GLU_69,4.17,0.45,-0.68,-0.1
4HDE,LYS_141,11.23,-0.32,0.85,0.2
2AXO,LYS_231,10.14,-0.33,0,-0.04
3OOP,ASP_124,2.6,-1.49,0,0.3
2W1R,ASP_68,4.21,0.0,1.3,0.28
3GA2,TYR_195,10.93,-0.03,-0.2,1.16
2A0J,ASP_16,3.41,-0.31,-0.46,0.38
1YTQ,GLU_42,4.66,0.16,0,0
1NRI,ASP_40,4.2,0,-0.01,0.42
1G8P,ASP_253,11.51,-0.84,0,-0.14
3IUS,LYS_154,10.5,0,0,0
3AU3,HIS_672,6.4,-0.1,0,0
2HRZ,GLU_330,4.12,1.17,-0.85,-0.7
1DUN,ASP_72,3.88,-0.12,-0.04,0.24
1CHD,ARG_202,12.37,-0.13,0,0
3BQE,LYS_155,10.26,-0.22,0,-0.02
1CBY,ASP_151,3.93,0,-0.1,0.24
1ZCE,CYS_92,10.38,0.11,1.27
2QDJ,ARG_167,12.38,-0.27,0,0.15
3UAH,TYR_385,12.04,0.0,0.29,1.75
3BCH,TYR_39,9.82,0,-0.27,0.1
3BA1,ARG_28,13.9,-0.52,1.22,0.69
4DVD,ARG_84,13.92,-0.54,1.03,0.93
1SIG,LYS_296,10.76,-0.17,0.12,0.3
1V6T,ARG_50,12.74,-0.29,0.53,0.01
2FBQ,ARG_75,12.81,-0.64,0.68,0.27
3IVF,CYS_236,11.39,-0.04,-0.11,2.55
2RFA,ARG_108,4.38,0.61,-0.15,-0.58
3U4K,TYR_155,11.08,-0.39,-0.22,1.69
1WRU,LYS_53,10.8,-0.19,0.1,0.39
1GXN,LYS_418,10.05,-0.46,0,0.01
3CRM,GLU_211,5.06,0.19,0,0.37
3LJI,TYR_33,10.35,0,0,0.35
1P4X,LYS_151,9.93,-0.3,0,-0.27
2CBE,LYS_9,10.78,-0.15,0.23,0.21
2OEW,HIS_320,6.78,-0.25,0.42,0.1
1PSW,GLU_53,4.28,0.31,-0.24,-0.29
1ZCU,LYS_75,10.02,-0.32,0,-0.16
2PGE,ASP_38,4.35,0,-0.34,0.88
1W24,LYS_43,10.76,-0.16,0,0.43
4ECC,ASP_39,3.87,0,0,0.07
2QRX,LYS_15,10.44,-0.06,0,0
2Z84,GLU_168,3.85,0.44,-0.96,-0.13
3FK5,LYS_239,11.41,-0.32,0.85,0.38
4FD6,TYR_19,10.69,0.03,0,0.66
2XHC,LYS_32,10.37,-0.14,0,0.01
1KCM,GLU_6,5.32,6.11,-0.82,-0.97
3P28,GLU_63,3.82,0.36,-0.49,-0.56

2B61, TYR_282, 12.28, 0.82, 0.21, 1.26
 2Z84, CYS_101, 12.77, -0.34, 1.04, 3.07
 4E8B, GLU_10, 4.58, 0.2, 0, -0.12
 1L3K, GLU_66, 4.81, 0.11, 0, 0.2
 3LH5, GLU_746, 4.55, 0.07, 0, -0.02
 1TXJ, ASP_130, 4.16, 0, 0.09, 0.28
 4FCU, GLU_217, 3.78, 0.94, -1.52, -0.15
 2P1W, ASP_60, 2.77, -1.28, -0.02, 0.26
 2FL7, ARG_21, 12.45, -0.05, 0, 0
 1O9G, ARG_135, 13.12, -0.39, 0.56, 0.46
 1ES9, LYS_10, 10.82, -0.44, 0.44, 0.33
 3B7H, GLU_14, 4.38, 0.28, -0.15, -0.25
 2EYI, GLU_30, 3.79, 0.41, -0.45, -0.68
 1T07, ASP_78, 3.91, 0, 0, 0.11
 2B61, HIS_337, 6.83, -3.16, 0.85, 2.63
 1R53, LYS_73, 10.38, -0.12, 0, 0
 3M16, GLU_317, 4.96, 1.68, -1.32, 0.09
 4EKU, GLU_142, 4.74, 0.25, 0, -0.02
 3OIP, ARG_15, 12.62, -1.15, 0.76, 0.51
 2GEN, ASP_149, 4.04, 0, 0.08, 0.16
 3FFM, LYS_137, 10.39, -0.29, 0, 0.18
 3E7P, ARG_138, 12.04, -0.81, 0, 0.36
 2FD5, GLU_129, 4.65, 0.21, 0, -0.06
 2ZCO, LYS_231, 10.41, -0.09, 0, 0
 3CX5, CYS_157, 9.89, 0.02, 0.87
 1TR9, TYR_305, 13.34, 0.54, 0.91, 1.89
 2JKF, ASP_45, 4.15, 0, 0, 0.35
 3BJV, GLU_87, 4.66, 0.16, 0, 0
 3I4T, ASP_84, 3.26, -1.38, -0.34, 1.17
 3RE9, TYR_214, 10.39, -0.17, -0.07, 0.62
 1J33, HIS_110, 6.05, -0.48, 0.09, -0.05
 1TLV, HIS_189, 5.45, -0.72, 0.06, -0.4
 4EZB, GLU_239, 5.75, 1.2, 0, 0.06
 2WOZ, GLU_323, 4.15, 0.37, -0.85, 0.13
 2IN0, GLU_411, 4.46, 0.3, 0, -0.34
 4FH3, ASP_253, 3.59, -0.77, -0.09, 0.65
 2YT4, ARG_522, 12.51, -0.39, 0.14, 0.26
 3A7L, GLU_94, 4.12, 0.3, -0.68, 0
 2D7U, GLU_330, 3.72, 0.4, -0.86, -0.32
 1UCH, HIS_112, 5.73, -0.44, 0, -0.33
 3C5V, TYR_285, 10.43, -0.02, 0.02, 0.43
 3ETU, GLU_76, 4.74, 0.24, 0, 0
 2F19, LYS_94, 10.48, -0.19, 0, 0.17
 2B78, LYS_343, 10.28, -0.2, 0, -0.02
 2C13, LYS_119, 10.58, -0.13, 0, 0.21
 2JEO, TYR_205, 9.17, -0.44, -0.78, 0.39
 4AM1, CYS_127, 10.81, 0, -1.58, 3.39
 2ZOM, ASP_126, 2.7, -1.35, -0.16, 0.41
 1WNH, CYS_20, 12.71, 0, 0, 0.371
 1L3K, ASP_139, 2.09, -1.88, -0.12, 0.3
 4DVD, ARG_43, 12.42, -0.08, 0, 0
 1WYC, ARG_12, 11, -2.14, 0.4, 0.24
 1WNH, LYS_97, 10.46, -0.04, 0, 0
 3F5D, LYS_92, 9.68, -0.94, 0, 0.12
 1RAJ, ASP_71, 2.9, -1.8, -0.5, 1.41
 4EVF, LYS_194, 10.34, -0.42, 0, 0.26
 1G5Z, GLU_173, 4.82, 0.83, 0, -0.52
 2IRM, HIS_336, 4.75, -1.22, 0, -0.53
 3G9B, LYS_149, 10.49, -0.16, 0, 0.15
 3F1X, HIS_202, 6.19, -0.66, 0, 0.34
 2FXT, HIS_292, 5.3, -1.43, 0, 0.22
 1A8Q, ASP_129, 3.87, 0, -0.02, 0.09
 1DCF, ARG_130, 12.51, -0.15, 0, 0.16
 2A4D, GLU_93, 4.67, 0.25, 0, -0.08
 3RJX, GLU_66, 4.8, 0.28, 0, 0.02
 3US6, ARG_114, 12.48, -0.26, 0, 0.23
 1Z9L, HIS_86, 5.12, -1.12, 0, -0.26
 1N81, GLU_26, 4.8, 0.3, 0, 0.01
 3L7N, HIS_107, 6.64, -0.22, 0, 0.36
 1YLN, CYS_158, 12.3, 0.0, 14.3, 1.6
 2FL4, LYS_106, 10.53, -0.19, 0, 0.21
 1JKS, ASP_259, 2.43, -1.14, -0.76, 0.53
 1YLN, ARG_227, 12.38, -0.33, 0, 0.22
 2FZP, ASP_222, 3.24, -0.84, 0, 0.29
 3BWT, LYS_698, 11.11, -0.23, 0.38, 0.46
 1OTM, ASP_68, 3.09, -0.97, -0.2, 0.46
 3NBI, LYS_130, 10.37, -0.37, 0, 0.24
 3IVF, GLU_132, 4.6, 0.3, 0, -0.2
 2RJD, GLU_311, 4.63, 0.59, -0.14, -0.32
 1O5J, LYS_20, 10.2, -0.3, 0, -0.01
 2PGE, TYR_287, 10.9, 0, -0.02, 0.92
 2OJQ, LYS_374, 9.94, -0.6, 0, 0.04
 1PZC, HIS_6, 6.27, -0.44, 0, 0.21
 1YTD, LYS_32, 10.43, -0.07, 0, 0
 4FZN, TYR_24, 12.01, -0.46, 0.24, 2.22
 1TXJ, GLU_103, 4.76, 0.24, 0, 0.02
 1H09, LYS_203, 9.66, -0.45, 0, -0.38
 3ETU, LYS_69, 11.58, -0.49, 0.85, 0.72
 1WLY, ARG_102, 10.17, -0.3, 0, 0.67
 2X4G, ASP_249, 3.24, -0.54, -0.35, 0.33
 1YM5, TYR_279, 10.45, -0.08, -0.13, 0.67
 1X7E, TYR_150, 10.93, -1.07, 0.07, 1.93
 3I4T, ASP_154, 2.97, -0.86, -0.41, 0.44
 3BB7, TYR_331, 10.22, -1.54, 0.43, 1.34
 2ZCO, TYR_10, 11.99, 0.5, 0.4, 1.08
 1JT9, HIS_96, 6.84, -0.41, 0.72, 0.03
 2V4U, LYS_344, 11.45, -0.28, 0.85, 0.38
 3FXH, GLU_109, 2.43, 0.72, -1.97, -0.81
 1CHD, TYR_295, 10.16, 0, 0, 0.16
 2D7U, TYR_22, 12.59, 0.61, 0.38, 1.59
 3DZ1, LYS_185, 10.35, -0.13, 0, -0.01
 1OIS, HIS_338, 5.68, -0.64, 0, -0.18
 3EJG, CYS_141, 11.5, 0, -0.16, 2.66
 3FK5, ARG_93, 12.03, -0.93, 0, 0.46
 4DNU, ARG_146, 12.37, -0.74, 0, 0.61
 1JYH, LYS_62, 10.42, -0.08, 0, 0
 3T57, LYS_163, 10.91, -0.43, 0.18, 0.65
 1VSM, HIS_142, 5.69, -1.67, 1.02, -0.16
 1MTZ, ASP_120, 3.83, 0, -0.16, 0.19
 2HP7, GLU_221, 4.68, 0.35, 0, -0.17
 3EVP, CYS_228, 12.13, -0.82, -0.09, 4.04
 3BQE, ARG_354, 13.28, -0.26, 0.41, 0.64
 1Z3X, ARG_94, 12.37, -0.24, 0, 0.11
 2VGY, TYR_68, 10.18, 0.03, 0.15
 4FH3, TYR_220, 12.22, 0.09, 2.13
 1S17, TYR_304, 11.46, -0.37, 0, 1.83
 3RZM, ASP_30, 2.67, -1.54, -0.09, 0.5
 2FBQ, ARG_29, 12.25, -0.25, 0, 0
 2QZQ, LYS_112, 10.02, -0.27, 0, -0.22
 3CAX, LYS_468, 10.33, -0.17, 0, 0
 2IQT, GLU_122, 4.37, 0.24, -0.16, -0.21
 3NR5, ARG_73, 13.5, -0.28, 0.73, 0.55
 3GW3, GLU_27, 3.54, 0.57, -0.85, -0.68
 1PBV, GLU_241, 4.28, 0.27, 0, -0.5
 3BCY, GLU_32, 5.79, 1.02, 0, 0.26
 3A0X, GLU_623, 4.61, 0.33, 0, -0.21
 2CBE, LYS_113, 10.21, -0.29, 0, 0
 3ZSL, TYR_118, 10.33, 0, 0, 0.33
 2Z84, GLU_10, 4.61, 0.15, 0, -0.04
 2BFC, CYS_100, 9.01, -0.21, 0.05, 0.17
 1Q46, LYS_117, 11.19, -0.39, 0.32, 0.75
 3A4C, HIS_510, 5.29, -1.58, 0.83, -0.46
 3GE9, ARG_129, 13.06, -0.31, 0.55, 0.32
 1J33, ARG_80, 12.21, -0.26, 0, -0.03
 3M7D, LYS_347, 11.45, -0.49, 0.85, 0.59
 3JRT, LYS_73, 9.74, -0.42, 0, -0.34
 3H6Q, LYS_34, 11.25, -0.64, 0.85, 0.54
 3F6F, ARG_37, 12.2, -0.3, 0, 0
 2Q13, GLU_252, 5.12, 0.25, 0.38, 0
 1G5Z, LYS_138, 10.72, -0.25, 0, 0.47
 3COU, GLU_76, 5.87, 1.69, -0.75, 0.45
 3EJG, ARG_85, 12.44, -0.42, 0, 0.36
 2DOA, TYR_213, 9.25, -0.85, -0.36, 0.46
 1O9G, CYS_59, 13.45, -0.49, 1.87, 3.07
 1YDL, ASP_39, 2.97, -0.86, -0.23, 0.27
 1MML, GLU_117, 2.73, 0.37, -1.39, -0.75
 2IRM, LYS_152, 10.42, -0.08, 0, 0
 4AM1, HIS_185, 6.35, -0.22, 0, 0.07
 1QYI, GLU_353, 4.84, 0.51, 0, -0.17
 1JSX, LYS_206, 10.28, -0.36, 0, 0.15
 3HUE, CYS_231, 11.5, 0.05, 2.45
 3A4C, HIS_525, 6.13, -0.24, 0, -0.13
 1NAR, LYS_115, 11.34, -0.5, 0.78, 0.57
 1SFE, ARG_92, 12.82, -0.32, 0.07, 0.57
 3DZ1, ASP_287, 3.6, -0.13, -0.26, 0.19
 3G9T, ASP_27, 2.81, -0.88, -0.42, 0.31
 1T6L, TYR_103, 10.05, -0.55, 0.22, 0.39
 3V75, ASP_232, 3.41, -0.78, 0, 0.39
 1JYH, GLU_46, 3.54, 2.02, -2.09, -0.89
 3H13, GLU_263, 4.95, 3.07, -2.65, 0.04
 1I60, HIS_146, 5.87, -0.76, 0, 0.14
 3KEY, LYS_402, 9.71, -0.79, 0, -0.01
 4E9E, LYS_458, 10.38, -0.41, 0, 0.29
 1DCF, HIS_29, 6.18, -0.21, 0, -0.11
 2Q13, CYS_183, 9.28, -0.15, 0.01, 0.42
 3L3P, GLU_307, 4.67, 0.22, 0, -0.05
 3T57, LYS_133, 10.57, -0.07, 0, 0.15
 2XHC, GLU_108, 10.14, -0.47, 0, 0.1
 2J8A, LYS_322, 4.54, 0.45, 0, -0.41
 1TUL, CYS_73, 10.71, -0.68, 0.2, 3.9
 2O8P, LYS_150, 10.96, -0.66, 0.69, 0.43
 1Z3X, ARG_181, 12.41, -0.26, 0, 0.17
 1TWU, GLU_24, 4.75, 0.27, 0, -0.03
 2GAU, TYR_180, 11.88, 0.85, 0.35, 0.67
 1WLY, TYR_243, 12.44, -0.42, 0.09, 2.77
 4E6S, HIS_70, 6.44, -0.1, 0.04, 0
 1SQH, ASP_23, 4.01, 0, -0.12, 0.32
 3TRE, GLU_28, 4.85, 0.22, 0, 0.12
 3F1X, GLU_255, 4.08, 0.34, -0.72, -0.04
 1VSM, ARG_161, 12.62, -0.21, 0, 0.33
 2G3A, LYS_135, 10.87, -0.8, 0.85, 0.31
 3IRA, GLU_83, 5.31, 0.51, 0, 0.29
 2E3S, GLU_400, 3.83, 0.24, -0.55, -0.37
 2DFL, ASP_193, 4.13, 0, 0, 0.33
 1R53, GLU_160, 4.62, 0.13, 0, -0.01
 3ETU, ASP_300, 3.91, 0, -0.12, 0.23
 1AT0, ARG_387, 13.4, -0.2, 0.78, 0.32
 2PGE, TYR_300, 10.97, -0.08, -0.33, 1.37
 1T6L, ARG_208, 13.25, -0.41, 0.79, 0.37
 2RGY, LYS_264, 10.42, -0.1, 0, 0.02
 2QZQ, LYS_142, 10.31, -0.17, 0, -0.01
 1MUF, LYS_286, 10.41, -0.14, 0, 0.05
 2ZCO, ARG_224, 12.49, -0.32, 0, 0.3
 1SNT, ASP_345, 2.25, -2.53, -0.17, 1.15
 4FZR, ARG_91, 11.95, -1.33, 0.47, 0.3
 1X9G, GLU_70, 4.36, 0.23, -0.37, 0
 1NFN, GLU_77, 4.65, 0.19, 0, -0.04
 3JRT, GLU_137, 4.77, 0.14, 0, 0.13
 3ZYX, ASP_201, 3.87, -0.13, -0.09, 0.28
 2CL3, CYS_144, 9.66, -0.38, -0.25, 1.3
 2E3S, ARG_520, 13.55, -1.14, 1.3, 0.89
 3OKQ, ASP_578, 4.24, 0, 0.12, 0.33
 2OEW, LYS_19, 10.56, -0.09, 0, 0.14
 1ZP2, LYS_110, 10.46, -0.04, 0, 0
 1BN6, TYR_90, 13.15, 0, 0.53, 2.61
 2P4D, ASP_79, 3.18, -1.58, -0.2, 1.16
 3LPZ, TYR_25, 10.26, 0, 0.07, 0.19
 4DIU, GLU_153, 4.83, 0.23, 0, 0.1
 3DSH, LYS_402, 11.3, -1.18, 0.79, 1.19
 3I47, LYS_222, 10.42, -0.08, 0, 0
 3UAH, ARG_418, 12.62, -0.76, 0, 0.88
 3IV4, TYR_3, 10.06, 0, 0, 0.06
 2OEW, ASP_182, 3.9, -0.05, -0.38, 0.53
 2P0Y, ASP_314, 3.04, -1.23, -0.18, 0.64
 3M16, CYS_174, 12.59, -0.19, 0, 3.78
 4E8B, GLU_165, 4.14, 0.22, -0.45, -0.13
 2RIS, HIS_104, 7.2, -0.31, 0.85, 0.16
 3GG6, HIS_99, 5.9, -0.28, 0, -0.32
 3M70, ASP_84, 2.92, -1.1, -0.16, 0.37
 3PP8, GLU_261, 4.04, 0.19, -0.65, 0
 1ZBM, LYS_95, 10.78, -0.3, 0, 0.24
 2YYO, TYR_80, 13.09, 0.46, 0.78, 1.85
 2G2D, HIS_130, 5.02, -1.44, 0.31, -0.33
 3ILC, ARG_165, 12.18, -0.32, 0, 0
 1NAR, LYS_176, 11.52, -0.41, 0.81, 0.61
 3FTT, ASP_166, 3.57, -0.75, -0.06, 0.57
 2X4L, LYS_124, 11.41, -0.23, 0.63, 0.5
 1R53, GLU_206, 4.53, 0.32, 0, -0.28
 1SNT, CYS_332, 12.13, -0.36, 0.38, 3.09
 2FC3, TYR_20, 11.03, -0.78, 0.08, 1.73
 4H4J, LYS_167, 10.33, -0.15, 0, -0.02
 1WRU, LYS_96, 10.03, 0.04, 0.46, 0.57
 2P0L, HIS_50, 12.78, -3.64, 0, -0.08
 3JRT, ASP_165, 3.02, -0.63, -0.54, 0.4
 1FQI, TYR_337, 10.15, -0.23, 0.1, 0.29
 3HKX, ASP_94, 3.77, -0.03, -0.39, 0.39
 3T57, GLU_150, 3.16, 0.44, -1.27, -0.51
 2I6I, LYS_57, 11.44, -0.38, 0.85, 0.47
 2EYI, TYR_215, 9.56, -0.3, -0.4, 0.25
 3V3T, GLU_132, 5.38, 0.53, 0.23, 0.11
 2Z14, GLU_94, 4.63, 0.3, 0, -0.16
 1Y0K, ARG_105, 12.13, -0.14, 0, -0.24
 1G8P, CYS_78, 8.69, -2.54, -0.15, 2.38
 1W7B, HIS_249, 10.42, -0.1, 0, 0.02
 3JZ9, HIS_496, 5.6, -0.72, 0, -0.18
 2FL7, ARG_92, 11.65, -1.84, 0.01, 0.96
 2VGM, GLU_23, 3.91, 0.63, -0.54, -0.68
 1ZKZ, GLU_18, 5.03, 0.14, 0, 0.39
 2E3C, LYS_245, 10.81, -0.25, 0, 0.57
 3HRZ, HIS_229, 1.87, -3.36, 0, -1.27
 2EYI, LYS_102, 10.08, -0.39, 0, -0.02
 1O5T, ARG_321, 11.71, -2.04, 0.61, 0.63
 3A7L, TYR_96, 11.8, -0.84, 0.17, 2.47
 1WYC, ARG_50, 12.1, -0.15, 0, -0.25
 1Y2Q, GLU_24, 3.93, 1.78, -1.65, -0.7
 3OKQ, ARG_556, 13.56, -0.36, 0.79, 0.63
 1NWA, ASP_133, 4.0, -0.07, 0.27
 1OIS, LYS_304, 11.11, -0.75, 0.85, 0.51
 2DOA, ARG_47, 11.8, -0.63, 0, -0.07
 3NZL, HIS_19, 6.04, -0.36, 0, -0.1
 2B61, TYR_56, 10.78, 0, 0.3, 0.48
 1WRU, GLU_151, 3.86, 0.35, -1.01, 0.03
 2IF4, LYS_289, 10.96, -0.17, 0.26, 0.37
 1Q2Y, LYS_25, 11.5, -0.54, 0.58, 0.96
 2YX0, GLU_191, 3.63, 0.31, -0.83, -0.34
 1GVP, CYS_33, 11.15, 0, 0.2, 1.5
 2CBE, ASP_85, 3.89, 0, -0.1, 0.18
 3ADO, ARG_298, 12.2, -0.39, 0, 0.09
 3ODJ, TYR_120, 10.3, 0, 0, 0.3
 3LJN, ARG_106, 11.88, -0.93, 0.03, 0.27
 1MIX, ARG_207, 12.13, -0.33, 0, -0.04
 3DHN, TYR_85, 10.76, 0, 0.76, 0
 3RJX, LYS_297, 10.54, -0.23, 0, 0.27
 2C13, ARG_31, 12.24, -0.55, 0, 0.29
 2V4U, ASP_350, 3.58, -0.38, -0.21, 0.36
 3PM2, LYS_152, 11.45, -0.24, 0.81, 0.38

3G9G,ASP_102,3.64,-0.5,-0.38,0.72
 4DEZ,HIS_99,5.53,-0.87,0,-0.1
 3ZXY,GLU_128,2.67,0.61,-2.45,0
 3IVF,GLU_237,4.86,1.2,-0.39,-0.45
 1YR6,ASP_184,4.45,0,0.08,0.56
 2XWS,HIS_10,5.3,-0.93,0,-0.27
 3LJN,LYS_104,10.41,-0.22,0,0.12
 3BWT,HIS_795,5.6,-0.9,0,1.04E-17
 2J8A,LYS_299,10.89,-0.26,0,0.65
 4EKU,HIS_106,6.15,-2.34,1.12,0.87
 3CAX,GLU_465,4.66,0.16,0,0
 1T3Y,GLU_103,3.79,0.3,-0.6,-0.4
 3ZTA,GLU_57,4.33,0.35,-0.24,-0.29
 1OOX,GLU_245,4.15,0.15,-0.14,-0.36
 3L3P,ARG_508,12.34,-0.2,0,0.04
 4D8L,ARG_98,12.22,-1.38,0.53,0.58
 1JSX,GLU_157,4.44,0.1,0,-0.16
 2ZOM,LYS_151,11,-0.38,0.47,0.41
 2AZL,GLU_21,5.02,0.35,0,0.17
 1VSM,LYS_119,9.22,-1.37,0,0.09
 2FGG,ASP_21,4.09,0,-0.05,0.34
 1RLO,ASP_81,1.81,-2.32,-0.28,0.61
 1DVO,TYR_149,10.43,0,0.34,0.09
 3PM2,HIS_131,6.15,-1.31,0.51,0.45
 2O8P,HIS_163,6.21,-0.42,0,0.14
 3M3P,ARG_47,12.52,-0.19,0,0.21
 3G9T,HIS_268,7.4,-2.69,0.85,2.74
 1Q46,ASP_166,3.3,-0.31,-0.6,0.41
 3V1Q,ARG_535,12.1,-0.52,0,0.11
 2O8P,GLU_42,4.02,0.49,-0.66,-0.3
 1GPP,GLU_103,3.1,0.54,-1.5,-0.43
 2FBQ,ARG_127,12.38,-0.16,0,0.04
 3N2T,ASP_34,3.28,-0.65,-0.17,0.31
 2FZP,LYS_283,10.2,-0.33,0,0.03
 3COU,GLU_169,4.45,0.65,-0.5,-0.21
 2RIS,TYR_57,10.51,0,0.21,0.31
 1YG2,TYR_129,10.97,0,-0.05,1.02
 3TMO,HIS_282,6.23,-0.28,0,0.01
 2E3H,ASP_247,3.11,-0.84,-0.26,0.4
 1YR6,GLU_52,4.68,1.59,-1.28,-0.12
 1GQE,ARG_117,12.43,-0.36,0,0.29
 3E7P,ARG_26,11.89,-2.05,0.01,1.43
 2B0J,GLU_59,3.95,0.66,-0.42,-0.79
 1PSW,ARG_134,11.51,-1.06,0,0.07
 3CIV,ASP_60,3.65,-0.83,-0.1,0.78
 1NIJ,ARG_213,12.46,-0.17,0,0.13
 2GEN,ASP_148,2.99,-0.49,-0.72,0.39
 1X8F,GLU_29,4.46,1.12,-0.69,-0.48
 1SUU,LYS_668,10.43,-0.37,0,0.3
 2CVB,GLU_162,4.27,0.34,-0.18,-0.39
 1AM2,HIS_197,6.24,-1.17,0.85,0.06
 3O48,GLU_32,1.79,0.6,-3.26,-0.04
 4DNU,ASP_326,3.45,-0.33,-0.23,0.2
 3HUE,LYS_45,10.16,-0.14,0,-0.2
 2X4L,GLU_88,4.27,0.3,0,-0.54
 1JKS,HIS_272,6.09,-1.45,0.85,0.19
 3HUE,GLU_239,5.94,1.08,0,0.36
 1GSZ,LYS_120,11.39,-0.22,0.63,0.48
 1ZBS,TYR_66,12.88,-0.26,-0.04,0.3
 3UAH,ASP_261,2.12,-1.69,-0.38,0.39
 2D7U,ASP_215,3.29,-0.88,-0.21,0.58
 1XWM,LYS_211,10.51,-0.07,0,0.09
 1R2Z,ARG_133,12.58,-0.61,0.17,0.53
 1GXN,TYR_526,10.4,-0.08,-0.68,1.17
 4H89,GLU_117,4.19,0.3,-0.46,-0.16
 2X5Y,LYS_816,10.28,-0.32,0,0.1
 1X7D,LYS_140,10.19,-0.31,0,0
 3EYE,ARG_93,13.91,-0.52,1.3,0.63
 1RI6,ARG_66,13.02,-0.38,0.58,0.32
 2B61,LYS_21,10.38,-0.12,0,0
 1ATO,CYS_400,10.41,-1.48,0.01,2.89
 1KCM,LYS_68,10.28,-0.38,0,0.16
 3GS9,TYR_52,10.05,0,0,0.05
 1Z3X,ASP_97,2.91,-1.02,-0.29,0.42
 3ADO,CYS_305,9.48,-0.04,-0.07,0.6
 2DFL,LYS_200,10.45,-0.1,0,0.05
 1S1Y,GLU_53,4.83,0.22,0,0.1
 1MTZ,HIS_271,7.2,-2.97,0.85,2.82
 2JHY,TYR_156,10.34,0,-0.3,0.64
 1BN6,GLU_132,4.04,2,-0.8,-0.12
 3D9H,ARG_53,12.29,-0.21,0,0
 3FHF,LYS_11,10.77,-0.6,0.52,0.35
 2GEN,ARG_107,13.19,-0.47,0.46,0.69
 2WOZ,GLU_377,4.7,0.13,0,0.06
 1X9G,GLU_22,3.85,0.29,-0.85,-0.09
 1SNT,ASP_58,3.8,-0.42,-0.19,0.6
 2H01,HIS_156,6.1,-0.3,0,-0.1
 3MEW,ASP_139,3.33,-0.77,0,0.3
 2B2H,GLU_375,4.98,0.53,0,-0.06
 1XIPL,LYS_246,11.19,-0.78,0.81,0.64
 3PAC,ASP_92,3.82,0,-0.2,0.22
 1UJ8,GLU_24,4.08,0.76,-0.85,-0.34
 3F1X,GLU_85,4.17,0.6,-0.54,-0.4
 2OGQ,LYS_492,10.21,-0.53,0,0.24
 2GEN,ARG_170,12.2,-0.29,0,-0.01
 1QYI,TYR_302,12.72,0.32,0.8,1.6
 2OJQ,GLU_682,4.48,0.22,0,-0.24
 2B61,GLU_330,4.03,0.42,-0.85,-0.04
 1HUF,GLU_36,3.85,0.22,-0.3,-0.57
 2AH5,HIS_123,5.75,-0.51,0.07,-0.31
 1TP6,ARG_25,12.43,-0.12,0,0.04
 3O16,LYS_77,10.26,-0.28,0,0.04
 3BZT,TYR_271,11.85,0.85,0.38,0.61
 1WPA,LYS_504,10.72,-0.18,0.01,0.38
 2R2Y,LYS_97,9.77,-0.35,0,-0.39
 1QQL,ARG_13,11.93,-0.44,0,-0.13
 3RLN,GLU_660,4.54,0.08,0,-0.04
 3GOZ,ASP_28,3.02,-1.62,-0.18,1.03
 3M7G,ASP_182,2.51,-1.84,-0.35,0.9
 3RKV,HIS_307,7.06,-0.52,0.83,0.26
 3GS9,CYS_281,9.81,0,0.19,0.62
 2G55,ARG_180,13.21,-1.38,1.34,0.75
 2QDJ,GLU_323,4.15,0.27,-0.26,-0.37
 2QDJ,GLU_79,4.59,0.37,-0.22,-0.06
 1AM2,TYR_163,12.88,0,0.24,2.65
 2EJX,GLU_49,4.61,0.24,0,-0.13
 4GCO,LYS_212,10.67,-0.72,0.85,0.05
 1RLO,LYS_157,10.67,-0.42,0.36,0.2
 3M3P,HIS_246,6.38,-0.12,0,0
 2YX0,LYS_62,10.62,-0.55,0.07,0.6
 2R0S,ASP_204,2.67,-1.59,-0.02,0.47
 2ZQ5,ASP_308,3.25,-0.84,-0.02,0.31
 3H5T,LYS_191,10.82,-0.2,0.2,0.32
 3ILC,TYR_15,11.98,0.78,0.48,0.72
 2IQT,ARG_232,10.91,-1.59,0,0
 1ATO,ASP_318,3.43,-0.69,-0.24,0.55
 3GS3,LYS_218,10.39,-0.12,0,0.01
 2FZP,GLU_248,4.87,0.24,0,0.14
 2JHY,ARG_117,12.2,-0.3,0,0
 1V6T,LYS_137,10.54,-0.13,0,0.16
 2IXM,GLU_298,4.63,0.47,0,-0.34
 1QYI,ARG_370,13.14,-0.43,0.71,0.36
 1ILW,GLU_80,4.35,0.3,-0.06,-0.38
 1OTM,LYS_131,10.41,-0.09,0,0
 2R0S,LYS_201,10.46,-0.04,0,0
 1YTD,HIS_144,6.13,-0.37,0,0
 3RLE,TYR_72,11.42,0.06,1.36
 2OEW,ASP_235,3.62,0,-0.37,0.19
 3ANJ,TYR_334,10.55,0,0.2,0.34
 3T57,GLU_266,4.18,0.52,-0.82,-0.02
 1X6J,HIS_30,6.85,-0.31,0.64,0.03
 1W7B,ARG_245,12.56,-0.5,0.1,0.47
 1PBV,ASP_236,3.97,0,-0.21,0.38
 1WP5,HIS_68,5.92,-0.5,0,-0.08
 3T8R,ARG_81,14,-0.45,1.29,0.65
 2V1L,ASP_118,3.63,0,-0.42,0.25
 4FLE,TYR_111,10.12,0,0,0.12
 3DB9,HIS_256,5.67,-1.2,0.29,0.09
 1T3Y,ASP_123,3.85,0,-0.14,0.19
 1R9W,CYS_276,9.12,-1.32,0.03,1.4
 3JV1,ARG_93,12.36,-0.55,0,0.41
 1YW5,GLU_44,4.73,0.09,0,0.14
 1PGV,ARG_253,12.71,-0.38,0.07,0.52
 3PP8,GLU_135,3.94,0.26,-0.82,0
 1R29,LYS_123,10.37,-0.13,0,0
 1UOH,GLU_54,4.65,0.25,0,-0.1
 1TXJ,ASP_73,3.43,-0.63,-0.27,0.52
 4DEZ,ARG_64,12.42,-0.08,0,0
 1NRI,HIS_134,6.31,-0.16,0,-0.03
 2CWY,ARG_63,12.04,-0.31,0,-0.16
 1YOK,GLU_48,3.47,0.37,-1.56,0.16
 3EGN,GLU_403,4.77,0.27,0,0
 1SI7,GLU_264,4.63,0.13,0,0
 1KN3,GLU_19,4.06,0.3,-0.49,-0.24
 3ZSL,ASP_241,3.83,0,-0.27,0.29
 3CRM,ARG_219,11.85,-0.68,0,0.03
 2YT4,TYR_609,9.25,-0.77,-0.41,0.42
 2XHC,ASP_47,3.43,-0.21,-0.46,0.3
 3VJ8,HIS_101,5.66,-0.94,0.26,-0.16
 3P2F,ARG_95,12.33,-0.21,0,0.05
 3ADO,ARG_254,12.5,-0.26,0.04,0.23
 1R3F,ASP_185,3.11,-1.43,-0.5,1.23
 4DBX,LYS_158,11.4,-0.34,0.85,0.39
 3GV0,ASP_139,12.63,-2.35,1.32,1.15
 1N81,TYR_51,10.25,0,0.08,0.17
 3V75,ARG_242,12.37,-0.32,0,0.2
 2IRM,GLU_101,4.52,0.49,-0.09,-0.38
 3ERF,HIS_58,4.74,-1.51,0,-0.25
 4H89,HIS_167,5.67,-0.61,0,-0.22
 2D0A,GLU_148,4.66,0.16,0,0
 2X5Y,ASP_865,3.98,-0.81,-0.16,1.16
 3JV1,GLU_161,3.92,0.24,-0.85,0.03
 1YW5,TYR_39,10.05,0,0,0.05
 3ADO,ASP_191,3.89,0,-0.11,0.2
 1P2F,LYS_21,11.39,-0.37,0.85,0.4
 1X7F,GLU_232,3.49,0.43,-0.85,-0.58
 3Q1C,GLU_263,4.35,0.24,-0.33,-0.07
 3RNV,TYR_396,11.71,0.57,0.38,0.76
 3F53,TYR_53,10.61,0.05,0.38,0.19
 1QYI,LYS_2,10.63,-0.33,0,0.46
 4FZR,ARG_95,12.42,-0.45,0,0.37
 2JKF,ASP_49,3.78,-0.35,-0.03,0.36
 3FXH,HIS_80,6.09,-1.01,0.47,0.12
 2CI3,GLU_84,4.65,0.34,-0.35,0.16
 2GEN,ASP_98,3.67,-0.32,-0.28,0.47
 1O17,ARG_236,13.2,-0.43,0.72,0.4
 2IRM,ARG_347,12.49,-0.21,0,0.2
 3FXH,LYS_54,10.58,-0.12,0,0.2
 3CAN,LYS_48,10.28,-0.12,0,-0.11
 2V4U,TYR_314,11.56,-0.66,0.45,1.77
 1SBX,GLU_118,4.62,0.25,0,-0.13
 1EDG,ASP_356,2.53,-1.46,-0.75,0.94
 4DEZ,ARG_42,12.47,-0.03,0,0
 3GEC,ARG_525,12.53,-0.09,0,0.12
 2OOK,LYS_184,10.22,-0.33,0,0.05
 1NFN,LYS_69,10.6,-0.25,0,0.34
 3F6M,HIS_5,7.25,-0.42,0.85,0.32
 1KN3,GLU_135,3.76,1.27,-1.83,-0.17
 2GAU,CYS_222,9.12,-0.65,-0.2,0.96
 1CBY,ASP_209,2.79,-1.44,-0.01,0.44
 3IU5,ASP_142,3.19,-0.61,-0.4,0.39
 3GS3,HIS_103,6.32,-0.61,0.21,0.22
 1RLO,ASP_120,3,-1.08,-0.14,0.42
 1E55,LYS_107,10,-0.51,0,0.01
 1ZCE,GLU_27,4.42,1.11,-0.85,-0.34
 3JZ9,TYR_529,10.08,0,-0.04,0.11
 2P5D,CYS_9,13.32,0,0,4.32
 3V55,HIS_415,4.6,-2.2,0.91,-0.62
 2GAU,LYS_31,10.64,-0.1,0,0.24
 2YWX,LYS_132,10.64,-0.09,0,0.23
 4ACJ,GLU_47,11.25,-0.14,-0.07,-0.06
 3IV4,GLU_105,4.92,1.13,-0.38,-0.33
 2HXB,GLU_84,4.61,0.11,0,0
 1L2H,TYR_24,9.39,-0.85,0.01,0.22
 1SNT,ARG_241,12.27,-0.23,0,0
 2R57,HIS_258,4.95,-1.16,0,-0.39
 2P65,GLU_100,3.74,0.58,-0.83,-0.51
 3GOZ,ASP_290,3.29,-1.02,-0.14,0.65
 1CBY,GLU_178,4.48,0.3,-0.43,0.11
 2QEV,LYS_68,10.44,-0.06,0,0.01
 3CN5,ARG_118,12.74,-1.37,0.7,0.91
 3BA1,TYR_186,10.61,0.08,0.53
 3RLE,ARG_47,11.25,-1.3,0,0.05
 1NRI,LYS_41,11.09,-0.22,0.45,0.36
 2GAU,ARG_72,12.31,-0.19,0,0
 3QKY,TYR_177,10.18,0,-0.01,0.19
 2CW4,ASP_37,2.9,-1.24,-0.02,0.36
 3LJI,GLU_64,3.86,0.34,-0.75,-0.23
 2GZR,GLU_108,4.4,0.21,0,-0.32
 3N2T,GLU_165,4.95,0.22,0,0.24
 1ZBP,ASP_83,3.7,-0.49,-0.13,0.52
 2EYI,TYR_193,12.78,0.58,2.2
 3LJN,ARG_33,13.07,-0.23,0.21,0.59
 3E5T,ASP_206,3.31,-0.71,-0.04,0.26
 1O59,TYR_119,10.32,-0.07,0,0.39
 2Q98,ARG_43,12.93,-0.37,0.45,0.35
 1O6D,GLU_135,3.9,0.44,-0.85,-0.19
 4EZB,GLU_183,5.25,3.55,-1.86,-0.95
 3RKV,ASP_258,3.5,-0.83,-0.15,0.68
 2D2S,GLU_673,4.73,0.47,0,-0.23
 2EFK,GLU_170,4.59,0.22,0,-0.13
 2Q98,TYR_147,10.25,0,0.07,0.18
 3KV0,GLU_185,4.9,0.23,0,0.17
 1NIJ,ASP_232,3.8,0,-0.23,0.24
 2Z84,CYS_107,11.92,0,0.38,2.54
 2G55,ARG_34,12.09,-0.48,0.07
 2FL7,TYR_207,10.25,0,-0.38,0.63
 4EVF,GLU_158,3.66,1.28,-1.5,-0.62
 3IBT,GLU_106,3.99,0.69,-0.64,-0.56
 2WZ9,LYS_31,10.5,0,0,0
 3JSN,GLU_292,4.92,0.33,0,0.1
 2D2S,GLU_563,5.64,1.62,-0.19,-0.29
 3CAN,GLU_130,3.83,0.41,-0.63,-0.47
 2EYI,ARG_197,12.91,-0.13,0.1,0.45
 3B79,LYS_53,10.36,-0.13,0,-0.01
 2HP7,TYR_69,12.02,-0.02,0.23,1.81
 2CN1,GLU_161,5.18,1.61,-0.85,-0.09
 4ECC,CYS_182,11.59,-0.06,0.39,2.26
 1PNE,CYS_70,11.54,0,-0.1,2.64
 3R87,GLU_116,4.85,0.3,-0.25,0.29
 2JKF,LYS_70,10.39,-0.11,0,0
 3RLE,ASP_171,2.89,-1.7,-0.6,1.39
 3A4C,LYS_482,10.54,-0.2,0,0.23
 2QDJ,LYS_65,11.42,-0.35,0.84,0.43
 2IDC,ASP_102,2.92,-0.64,-0.55,0.31
 3EAZ,LYS_169,11.46,-0.27,0.85,0.38

2WB8, TYR_736, 13.59, 0.0, 92.2, 6.7
 3M66, HIS_338, 6.56, -0.77, 0.79, 0.04
 1U3Y, ASP_318, 3.32, -0.76, -0.1, 0.38
 1L2F, GLU_301, 4.5, 0.11, 0, -0.11
 3V1Q, LYS_577, 11.18, -0.34, 0.7, 0.33
 2A0J, ARG_69, 11.94, -0.58, 0, 0.02
 2XHC, TYR_255, 9.93, 0, -0.27, 0.21
 2EFK, GLU_240, 2.99, 0.45, -1.58, -0.38
 2Q13, TYR_36, 10.19, 0, 0, 0.19
 3COU, ASP_150, 2.59, -1.68, 0, 0.47
 3GG6, ARG_77, 12.67, -0.27, 0.04, 0.41
 2R51, LYS_192, 10.2, -0.3, 0, 0
 3BA1, LYS_177, 10.48, -0.16, 0, 0.14
 4ETX, TYR_208, 9.88, 0, -0.19, 0.08
 1T3Y, TYR_45, 13.62, 0, 0.53, 3.09
 3FRR, ARG_147, 12.46, -0.09, 0, 0.06
 2NSN, HIS_19, 7.54, -0.52, 0.85, 0.72
 2YWJ, ASP_11, 3.77, 0, -0.21, 0.17
 2BDV, LYS_87, 10.28, -0.22, 0, 0
 3ELI, GLU_123, 4.56, 0.15, 0, 0.2
 2IDC, ARG_104, 13.11, -0.5, 0.64, 0.47
 3HVM, LYS_239, 10.98, -0.24, 0.26, 0.47
 1YTD, ASP_264, 3.08, -0.96, -0.4, 0.63
 3E7P, ASP_13, 4.01, 0, 0, 0.21
 3IBT, ASP_200, 3.63, 0, -0.58, 0.4
 4FD6, HIS_211, 5.69, -1.1, 0.17, 0.12
 3CRM, TYR_263, 10.35, 0, 0.03, 0.32
 2ZCX, GLU_161, 4.44, 0.15, 0, -0.21
 3BWT, GLU_642, 4.75, 0.41, 0, -0.16
 3RLN, CYS_737, 10.88, -0.29, -0.82, 3
 3EYE, LYS_94, 10.49, -0.27, 0, 0.26
 3ILC, LYS_20, 10.15, -0.44, 0, 0.09
 1OOX, LYS_253, 11.2, -0.2, 0.42, 0.48
 2IRM, ARG_330, 12.54, -0.54, 0.11, 0.48
 2GQV, GLU_60, 3.19, 0.56, -1.57, -0.29
 3F1X, TYR_70, 10.08, 0, 0, 0.08
 1R6Y, ASP_58, 4.01, 0, -0.22, 0.43
 1RHS, TYR_36, 12.66, -0.92, 1.31, 2.28
 1ZYL, GLU_319, 4.63, 0.13, 0, 0
 3PBH, ARG_85, 12.28, -0.34, 0, 0.12
 1BKR, TYR_103, 10.13, 0, -0.09, 0.22
 3M3P, LYS_196, 10.63, -0.17, 0, 0.3
 2ROS, LYS_172, 10.3, -0.27, 0, 0.08
 2CL3, ASP_133, 3.06, -0.79, -0.34, 0.39
 1A8Q, ARG_113, 13.27, -0.34, 0.26, 0.85
 4EKU, GLU_315, 4.51, 0.08, 0, -0.08
 3O16, TYR_29, 12.58, -1.67, 0.4, 2.5
 3IVF, LYS_254, 10.36, -0.14, 0, 0
 1X91, ASP_93, 2.59, -1.4, -0.24, 0.43
 1YOK, ARG_117, 12.22, -0.43, 0, 0.15
 3MIX, GLU_664, 3.95, 0.39, -0.67, -0.26
 4E8B, ASP_202, 3.91, 0, -0.02, 0.14
 3FHF, ARG_97, 11.41, -1.32, 0, 0.22
 2AXO, ARG_123, 11.43, -1.04, 0, -0.03
 3C2E, ARG_15, 13.19, -0.33, 0.61, 0.41
 4DIU, LYS_212, 10.18, -0.62, 0, 0.3
 3IVF, LYS_66, 11.02, -0.33, 0, 0.84
 2OYZ, LYS_55, 10.38, -0.41, 0, 0.3
 3D9H, ASP_192, 3.65, -0.67, -0.06, 0.58
 2D8N, TYR_86, 11.33, -0.72, 0.19, 1.86
 1KZK, GLU_106, 4.44, 0.23, 0, -0.28
 3NOK, HIS_18, 6.97, -1.03, 0.85, 0.65
 1SQW, LYS_75, 10.49, -0.06, 0, 0.06
 2BCF, ARG_185, 12.21, -0.6, 0, 0.31
 2H2W, GLU_123, 4.25, 1.05, -1.3, 0
 4H86, HIS_66, 2.57, -3.37, 0.16, -0.72
 3CAX, ARG_222, 13.32, -0.31, 0.61, 0.52
 2IRM, ASP_249, 2.96, -0.99, -0.45, 0.6
 3O16, LYS_23, 10.08, -0.47, 0, 0.05
 1X91, GLU_3, 4.54, 0.21, 0, -0.18
 2V81, GLU_20, 4.37, 0.56, -0.68, -0.01
 4DNU, ARG_234, 12.13, -2.12, 0.76, 1
 1NJ4, LYS_306, 10.36, -0.41, 0, 0.27
 1ZHV, GLU_113, 4.78, 0.16, 0, 0.12
 2VGY, ARG_80, 11.77, -0.95, 0, 0.22
 3EOD, ASP_24, 2.91, -1.45, 0, 0.56
 1X8F, ASP_10, 2.82, -0.91, -0.35, 0.29
 3HYQ, ARG_181, 12.77, -0.25, 0.02, 0.49
 2HRZ, GLU_270, 4.08, 0.28, -0.45, -0.26
 3LD1, LYS_244, 10.98, -0.13, 0.24, 0.37
 3FXH, TYR_57, 9.68, -0.7, 0.02, 0.36
 3GS3, ASP_206, 3.61, -0.89, -0.16, 0.86
 2CVB, ARG_27, 12.66, -0.26, 0, 0.42
 3DSH, GLU_293, 4.8, 0.13, 0, 0.16
 3I4T, ASP_235, 3.98, 0, -0.3, 0.49
 1YM5, GLU_240, 3.41, 0.8, -0.96, -0.93
 2ZQ5, CYS_210, 9.64, -0.37, -0.04, 1.05
 2H8O, ARG_177, 12.19, -0.35, 0, 0.04
 2Q13, GLU_220, 4.56, 0.06, 0, 0
 3A0X, ARG_643, 12.76, -0.28, 0, 0.54
 3GS3, GLU_65, 4.47, 0.24, 0, -0.27
 3I0C, ARG_199, 11.98, -0.32, 0, -0.19
 3ASA, CYS_227, 11.94, 0, 0.09, 2.86
 3NJM, CYS_34, 10.45, 0.36, 0, 3.79
 1F2V, GLU_126, 4.56, 0.12, -0.02, -0.03
 2D7U, TYR_190, 10.13, 0, 0, 0.13
 1RZ2, TYR_110, 12.49, 0.54, 1.94
 1T3Y, GLU_122, 5.04, 0.7, 0, -0.16
 2D7J, ARG_144, 13.31, -0.24, 0.59, 0.46
 2RJD, TYR_211, 13.56, 0.85, 0.85, 1.86
 2FD4, LYS_546, 10.32, -0.19, 0, 0.01
 1NIJ, HIS_187, 6.41, -0.13, 0, 0.04
 1X9G, ARG_43, 13.48, -1.07, 1.3, 0.75
 2BDD, HIS_22, 6.37, -0.36, 0.3, -0.07
 2O0K, ASP_115, 2.76, -1.05, -0.47, 0.47
 1YB2, ASP_133, 2.9, -0.86, -0.39, 0.35
 3U2A, GLU_84, 4.39, 0.18, 0, 0.3
 3FFM, ARG_18, 12.71, -0.8, 0.58, 0.43
 4F3J, ASP_126, 2.42, -2.19, -0.3, 1.12
 1X7F, HIS_172, 6.47, -0.61, 0.63, -0.05
 2POL, TYR_121, 11.27, -0.01, 0.08, 1.2
 4EVF, ASP_163, 4.72, 0.0, 0.13, 0.79
 3SMD, LYS_8, 10.32, -0.18, 0, 0
 3O48, TYR_18, 10.05, 0, 0, 0.05
 1GQE, ASP_208, 2.78, -1.12, -0.3, 0.39
 1JYH, TYR_52, 13.18, 0.85, 0.73, 1.61
 1P6F, GLU_21, 4.57, 0.18, 0, -0.1
 3PZ9, HIS_302, 3.33, -4.77, 1.63, -0.03
 1J33, GLU_329, 2.45, 0.47, -1.87, -0.64
 2C2Y, LYS_9, 10.38, -0.21, 0, 0.1
 4F8A, LYS_640, 10.51, -0.1, 0, 0.11
 2QK1, LYS_410, 10.46, -0.85, 0.52, 0.29
 3F1X, GLU_188, 4.87, 0.54, 0, -0.17
 4ANN, TYR_112, 10.9, -0.19, -0.52, 1.61
 3JRT, GLU_121, 3.74, 0.32, -0.83, -0.26
 2B02, CYS_380, 10.99, -0.24, 0.19, 2.03
 3HUE, ARG_46, 12.19, -0.31, 0, 0
 3R87, ASP_75, 2.72, -1.76, -0.83, 1.51
 1XEU, ARG_241, 12.72, -0.09, 0, 0.3
 1WOU, ASP_79, 3.21, -0.83, -0.16, 0.4
 2GZR, TYR_204, 11.84, -0.08, -0.01, 1.93
 2PLQ, ARG_324, 12.21, -0.3, 0, 0.01
 2XWS, ARG_27, 12.27, -0.3, 0, 0.07
 3CS1, LYS_47, 10.35, -0.32, 0, 0.18
 1WXF, ARG_105, 12.24, -0.26, 0, 0
 3CAX, HIS_207, 5.72, -3.78, 1.6, 1.4
 3M7G, ARG_249, 13.49, -0.58, 1.07, 0.5
 2VGM, LYS_243, 10.4, -0.21, 0, 0.12
 3PZ9, LYS_120, 11.16, -0.66, 0.85, 0.47
 3M3PHIS_19, 6.42, -1.27, 0.85, 0.33
 1DVO, ASP_184, 3.75, -0.57, 0.2, 0.33
 3BWT, GLU_736, 4.62, 0.12, 0, 0
 1O6D, LYS_91, 11.38, -0.35, 0.85, 0.38
 2ROS, ASP_114, 4.02, 0, -0.02, 0.23
 2ZOM, ARG_303, 12.18, -3.23, 1.6, 1.31
 3EVZ, ARG_126, 12.78, -0.82, 0.47, 0.63
 3RFY, TYR_433, 10.67, 0.33, 0.34
 1AIL, LYS_41, 9.94, -0.51, 0, -0.04
 2CL3, GLU_51, 4.71, 0.21, 0, 0
 3GE9, ARG_87, 12.25, -0.25, 0, 0
 3UPD, GLU_307, 5.02, 0.45, 0, 0.08
 3M7G, GLU_89, 4.53, 0.18, 0, -0.16
 1G8P, ARG_187, 11.96, -0.55, 0, 0.01
 3Q9P, LYS_171, 10.47, -0.03, 0, 0
 3ZSL, ASP_154, 3.43, -0.71, -0.18, 0.53
 2G5X, LYS_100, 10.43, -0.45, 0, 0.38
 3NR5, CYS_156, 12.9, -0.06, -0.01, 3.97
 2G5X, ARG_184, 12.09, -0.49, 0, 0.08
 1R9W, ARG_330, 12.37, -0.33, 0, 0.2
 2OKT, GLU_69, 3.88, 0.56, -0.85, -0.33
 2G3A, LYS_15, 11.16, -0.19, 0.85, 0
 3RLN, HIS_755, 3.81, -1.86, 0, -0.82
 3I4T, LYS_168, 10.49, -0.01, 0, 0
 3IPZ, ASP_116, 2.25, -2.08, -0.45, 0.99
 3C38, LYS_163, 10.13, -0.7, 0, 0.33
 3Q6L, GLU_62, 4.54, 0.23, 0, -0.2
 3CS1, LYS_104, 10.59, -0.13, 0, 0.22
 1TD6, LYS_271, 10.23, -0.55, 0, 0.27
 3EVN, GLU_170, 4.79, 0.15, 0, 0.13
 1RZ2, HIS_247, 2.91, -3.54, 0, -0.05
 1PGV, ASP_235, 1.59, -2.3, -0.47, 0.56
 3EVZ, ARG_37, 11.94, -0.45, 0, -0.1
 3H13, ARG_435, 11.9, -0.55, 0, -0.04
 3FFM, HIS_27, 5.7, -0.75, 0, -0.04
 3E2T, LYS_73, 9.76, -0.66, 0, -0.08
 2OBI, HIS_114, 4.82, -2.01, 0.34, -0.01
 1DUN, ASP_33, 4.02, 0, -0.1, 0.32
 2G2D, ARG_32, 12.03, -0.63, 0, 0.15
 3ETV, ARG_328, 12.32, -0.39, 0, 0.21
 1NAR, HIS_75, 5.62, -0.68, 0.04, -0.24
 3RZ2, ASP_37, 2.52, -1.18, -0.54, 0.45
 1O3X, LYS_198, 10.37, -0.13, 0, 0
 1SI7, TYR_114, 9.67, -0.85, 0.21, 0.32
 4DBL, GLU_14, 4.61, 0.25, 0, -0.14
 1AM2, ASP_20, 2.98, -0.92, -0.38, 0.48
 3V55, LYS_709, 10.3, -0.3, 0, 0.1
 1ZBS, LYS_189, 11.09, -0.24, 0.46, 0.37
 3UAH, ARG_500, 13.56, -0.2, 0.72, 0.53
 2H85, GLU_228, 4.32, 0.37, -0.39, -0.17
 1R3F, ARG_212, 12.46, -0.15, 0, 0.11
 2IF4, GLU_260, 4.89, 0.48, -0.21, 0.13
 1TXD, LYS_949, 10.72, -0.17, 0, 0.38
 1RZ2, ASP_64, 3.94, 0, 0, 0.14
 1WYC, GLU_176, 4.76, 1.19, -1.27, 0.34
 1L3K, GLU_28, 4.03, 0.26, -0.86, 0.14
 2Q99, LYS_181, 10.75, -0.11, 0, 0.36
 4F8A, ASP_616, 4.03, -0.33, -0.26, 0.82
 3V1Q, LYS_640, 10.43, -0.04, 0, -0.03
 3ADO, LYS_287, 10.69, -0.57, 0.46, 0.3
 1WRU, ASP_202, 3.76, 0, -0.32, 0.28
 2QK1, HIS_314, 6.72, -0.09, 0.31, 0
 1QYI, GLU_368, 3.34, 0.61, -1.34, -0.41
 3DHN, ARG_171, 13.61, -0.37, 0.8, 0.69
 3UV9, GLU_395, 3.49, 1.33, -1.51, -0.83
 1UNW, LYS_123, 10.59, -0.15, 0, 0.24
 3E0H, HIS_156, 6.56, -0.29, 0, 0.34
 2OGQ, TYR_510, 9.64, -0.74, -0.65, 1.03
 3K8J, ARG_152, 13, -0.77, 0.7, 0.58
 2EYI, ASP_192, 3.6, -0.2, -0.36, 0.36
 3F6M, GLU_151, 3.69, 0.34, -0.85, -0.31
 1WPA, ARG_468, 12.32, -0.18, 0, 0
 1R16, ASP_71, 3.26, -1.06, 0.07, 0.44
 3EGN, GLU_462, 4.42, 1.22, -0.84, -0.45
 3EYE, LYS_116, 11.35, -0.87, 0.85, 0.87
 2IF4, LYS_162, 10.91, -0.25, 0.28, 0.38
 3O48, GLU_15, 4.26, 0.27, -0.38, -0.13
 1PSW, ASP_253, 4.05, -0.62, -0.09, 0.95
 4AE7, TYR_70, 11.48, 0.0, 0.13, 1.35
 2H2Z, TYR_154, 10.07, 0.0, 0.01, 0.06
 3IL3, TYR_271, 12.5, 0.66, 0.11, 1.44
 2Q13, LYS_375, 10.4, -0.13, 0, 0.03
 2GZR, HIS_287, 5.51, -0.85, 0, -0.14
 3ANJ, TYR_278, 10.17, -1.46, -0.26, 1.91
 3C2E, TYR_167, 10.94, 0, -0.39, 1.33
 2YT4, ARG_527, 12.39, -0.11, 0, 0
 4H86, LYS_32, 11.04, -0.27, 0.29, 0.51
 2Q5X, ARG_800, 11.51, -1.12, 0, 0.13
 3GW3, TYR_164, 11.94, 0.23, 1.7
 1RAJ, GLU_337, 3.99, 0.28, -0.64, -0.15
 2Q34, LYS_228, 10.48, -0.3, 0, 0.28
 3E5T, ARG_95, 12.31, -0.19, 0, 0
 1DVO, LYS_125, 9.95, -0.18, 0, -0.38
 3HOX, LYS_36, 9.89, -0.8, 0, 0.18
 3EX9, ARG_139, 11.8, -1, 0, 0.3
 1XTZ, HIS_259, 5.92, -0.22, 0, -0.36
 1Q2Y, LYS_125, 10.37, -0.24, 0, 0.11
 3EOD, ARG_117, 12.3, -0.25, 0, 0.05
 2ACE, CYS_42, 9.14, 0.0, 0.1, 0.13
 2AZL, GLU_269, 4.53, 0.2, 0, -0.17
 4ETX, GLU_418, 2.62, 0.89, -2.31, -0.46
 2B0J, TYR_218, 10.32, 0, -0.05, 0.37
 3ETV, LYS_207, 10.07, -0.58, 0, 0.15
 1YW5, HIS_20, 6.36, -0.14, 0, 0
 1BN6, ARG_265, 13.32, -0.5, 0.84, 0.48
 2WB3, LYS_288, 10.44, -0.06, 0, 0
 2QDJ, ARG_73, 12.24, -0.33, 0, 0.07
 1JT9, TYR_74, 10.05, -0.82, 0.25, 0.62
 3LH5, GLU_568, 4.45, 0.34, 0, -0.38
 3EVZ, TYR_58, 12.07, -0.09, -0.09, 2.25
 3HOX, GLU_98, 4.76, 0.15, 0, 0.11
 1BN6, ASP_209, 4.04, 0, -0.6, 0.84
 1UAJ, ARG_92, 13, -0.45, 0.29, 0.66
 3FHF, ARG_152, 13.3, -0.21, 0.66, 0.35
 3DHN, GLU_60, 4.52, 0.43, -0.69, 0.29
 1X7F, ASP_254, 3.89, 0, -0.03, 0.12
 2W0G, GLU_200, 4.32, 0.27, -0.2, -0.25
 2Q12, ARG_171, 11.6, -0.76, 0, -0.14
 1QQL, TYR_64, 10.14, -0.04, -0.5, 0.68
 3EAZ, GLU_93, 4.57, 0.46, 0, -0.39
 1Z3X, TYR_64, 11.64, 0, 0, 1.64
 4EZB, ASP_90, 3.31, -0.4, -0.32, 0.23
 2BV9, HIS_287, 6.3, -0.19, 0, -0.02
 1AK1, HIS_262, 4.46, -2.55, 0.35, 0.17
 3K1H, LYS_60, 10.47, -0.22, 0, 0.2
 3CGW, GLU_269, 4.59, 0.18, 0, -0.09
 3CX2, ASP_228, 3.79, -0.08, -0.23, 0.3
 1XVQ, ASP_361, 3.74, -0.06, -0.23, 0.23
 1F2V, GLU_178, 4.82, 0.22, 0, 0.1
 3DTE, TYR_234, 10.91, -0.06, 0.04, 0.94
 1N81, LYS_173, 10.66, -0.2, 0, 0.37
 2ZCO, LYS_16, 10.43, -0.19, 0, 0.12
 4AM1, TYR_211, 12.23, -0.07, 0.1, 2.2
 2GZR, HIS_264, 6.24, -0.34, 0, 0.08
 3AHE, ASP_28, 2.24, -1.99, 0, 0.43
 3GEC, TYR_264, 12.26, -0.69, -0.33, 3.28
 2Q07, LYS_286, 9.94, -0.34, 0, -0.21

3M70,LYS_26,10.29,-0.35,0,0.14
 2EEY,HIS_156,6.91,-0.37,0.79,-0.01
 4ETX,ASP_271,3.99,0,-0.3,0.49
 3G9T,LYS_39,10.43,-0.07,0,0
 4E6S,ARG_75,12.19,-0.38,0,0.07
 1X1P,ASP_244,3.53,-0.61,-0.13,0.48
 3LJI,ARG_285,12.48,-0.74,0.42,0.3
 2A6B,ASP_73,1.83,-2.13,-0.43,0.59
 3F7M,ARG_122,12.43,-0.28,0,0.21
 2Q5X,ARG_834,12.81,-0.48,0.24,0.55
 3FFM,HIS_77,6.22,-0.39,0,0.12
 3EVZ,GLU_188,4.64,0.28,0,-0.14
 3AU3,HIS_668,5.68,-1.53,0.72,0
 3KB5,ARG_278,12.71,-0.28,0.16,0.33
 2P52,GLU_282,4.69,1.7,-0.82,-0.69
 1A8Q,GLU_99,3.92,4.25,-1.36,-3.46
 3V3T,HIS_51,5.88,-0.53,0.16,-0.25
 2R0S,TYR_247,12.81,0.01,0.67,2.13
 1R2Z,LYS_249,10.58,-0.51,0,0.59
 3QYB,LYS_917,11.54,-0.36,0.85,0.55
 2B61,TYR_24,10.28,0,0.11,0.16
 2X5Y,GLU_852,2.88,0.48,-1.76,-0.33
 2W2S,ASP_30,3.03,-0.85,0,0.08
 1A8Q,ARG_86,12.17,-0.26,0,-0.07
 2BT8,ASP_215,3.92,0,-0.21,0.34
 1JYH,LYS_155,10.48,-0.31,0,0.3
 3QAV,ARG_101,12.19,-1.75,0.38,1.07
 1FQI,ASP_286,2.37,-1.53,-0.41,0.51
 1SQH,GLU_160,3.82,0.27,-0.9,-0.06
 3V5S,TYR_367,10.79,-0.4,0.3,0.88
 3F53,TYR_276,10.18,-0.72,-0.17,1.08
 2DFL,ARG_66,12.47,-0.13,0,0.1
 1VSM,LYS_166,10.18,-0.31,0,-0.01
 3JZ9,CYS_446,12.09,-0.01,0.28,2.83
 3HZQ,GLU_4,4.59,0.09,0,0
 2F4Q,ARG_78,12.26,-0.41,0,0.18
 1QQ,GLU_62,4.48,0.25,0,-0.27
 2WB3,LYS_336,10.15,-0.4,0,0.06
 1X04,TYR_203,10.31,-0.85,-0.16,1.31
 2H01,ASP_145,3.84,0,-0.22,0.26
 1SUU,LYS_787,10.35,-0.17,0,0.02
 2BDD,TYR_130,11.97,0.85,0.51,0.6
 2Q98,GLU_143,4.56,0.14,0,-0.08
 2ILR,GLU_517,4.63,0.23,0,-0.1
 1LPL,LYS_183,10.56,-0.43,0,0.5
 4AM1,ARG_208,10.68,-3.03,0.03,1.18
 2C2Y,GLU_250,4.46,0.12,0,-0.15
 1R7J,LYS_84,10.43,-0.12,0,0.05
 1PVT,LYS_191,10.41,-0.27,0,0.19
 1NWA,ASP_64,2.69,-1.61,-0.33,0.82
 3V3T,ARG_252,13.13,-0.19,0.52,0.3
 1X8F,GLU_223,4.65,0.26,0,-0.11
 1TUL,TYR_57,10.6,-0.8,0.21,1.18
 3I47,LYS_160,10.49,-0.22,0,0.21
 1HF8,HIS_84,4.75,-1.75,0,-1.39E-17
 2ZQ5,TYR_313,12.4,0.85,0.44,1.1
 1TR9,GLU_247,4.055,-0.75,-0.29
 2APL,GLU_83,4.93,0.34,0,0.09
 1ZCU,ASP_44,3.75,0,-0.22,0.17
 1SUU,ASP_679,3.9,0,-0.28,0.38
 2YX0,ASP_327,2.85,-1.05,-0.62,0.72
 4FLE,HIS_31,5.68,-0.69,0,-0.12
 2D0A,TYR_104,12.21,-0.85,0.33,2.72
 3HVM,LYS_48,10.46,-0.12,0,0.08
 3C38,LYS_240,10.53,-0.26,0,0.29
 2R2Y,ASP_53,3.85,-0.06,-0.01,0.12
 3LH5,ARG_752,12.49,-0.19,0,0.18
 3Q6L,GLU_55,4.49,0.27,0,-0.28
 1V43,ASP_120,2.4,-1.52,-0.34,0.46
 3N0K,HIS_89,6.05,-0.73,0.35,-0.08
 3E5T,GLU_185,3.1,0.24,-1.64,0
 2IIA,TYR_60,11.75,-0.01,0.33,1.43
 1O5T,ARG_300,12.58,-0.52,0,0.61
 1O6D,LYS_16,10.23,-0.14,0,-0.14
 1ANU,CYS_33,12.88,0,0.18,3.71
 3T57,GLU_289,4.74,0.16,0,0.09
 4FZR,GLU_304,5.34,0.86,0,-0.02
 3NR5,CYS_34,11.26,-0.11,-0.1,2.47
 3G6S,ARG_56,12.5,-0.36,0,0.36
 3I4T,LYS_73,11.39,-0.34,0.85,0.38
 3ADO,ASP_219,4.03,0,-0.01,0.23
 2HXB,ASP_49,3.07,-1.02,0,0.28
 3VJ8,TYR_304,12.68,-0.01,0.3,2.38
 3COU,CYS_23,12.65,-0.02,0.28,3.39
 2GZR,HIS_238,4.61,-2.21,0.08,0.24
 1F2V,ASP_9,3.58,-0.51,0,0.28
 3JV1,ARG_83,12.07,-0.9,0.11,0.36
 1DUN,GLU_15,4.24,0.28,-0.66,0.12
 1ES9,HIS_180,6.52,-0.31,0,0.33
 3A2Z,ASP_77,4.07,0,-0.39,0.65
 1ZBS,GLU_144,3.84,1.55,-1.8,-0.41
 3DZ1,LYS_55,10.62,-1.22,0.78,0.55
 1MTZ,LYS_139,10.37,-0.25,0,0.13
 2I88,GLU_394,5.26,0.85,0,-0.08
 3UX2,ARG_106,12.34,-0.16,0,0
 2CWC,TYR_294,9.83,-0.36,-0.74,0.92
 3ERF,ASP_78,3.88,0,-0.02,0.11
 1E5S,LYS_197,10.37,-0.13,0,0
 4EUG,GLU_13,4.6,0.11,0,-0.01
 3CSR,CYS_36,11.98,0,-0.07,3.04
 2B6P,ARG_156,12.47,-0.03,0,0
 1OIS,GLU_246,4.63,0.13,0,0
 3JZN,GLU_131,2.93,0.46,-1.38,-0.64
 1V6T,LYS_216,10.37,-0.35,0,0.23
 2GYZ,ARG_38,12.46,-0.04,0,0
 1QQ,LYS_97,13.84,0.58,3.26
 3IIC,CYS_151,12.61,0,0.3,6.1
 3M16,GLU_156,3.96,0.59,-0.75,-0.38
 3B7H,LYS_2,11.53,-0.32,0.85,0.5
 2H30,LYS_55,10.46,-0.12,0,0.08
 2RIK,LYS_184,9.93,-0.33,0,-0.23
 3B4D,ARG_248,12.92,-0.37,0.34,0.45
 3EJG,ARG_99,12.61,-0.31,0,0.41
 3DTE,TYR_205,9.26,-0.59,-0.31,0.15
 1YLN,HIS_113,6.31,-0.38,0,0.19
 3E27,GLU_354,4.58,0.15,0,-0.06
 3CJW,HIS_333,6.33,-0.46,0,0.29
 3C6B,ARG_232,12.8,-0.51,0.07,0.74
 3H5T,HIS_117,6.47,-0.29,0,0.26
 2B2H,TYR_129,13.89,-0.1,0.12,3.87
 2G5S,ASP_31,4.12,0,0.32
 3RJX,GLU_317,8.38,4.37,-0.78,0.29
 2I88,LYS_420,10.65,-0.07,0,0.22
 2QHT,ASP_160,4.29,0.08,0.4
 2PPN,GLU_60,4.04,1.07,-1.44,-0.09
 3HNX,GLU_86,4.59,0.2,0,-0.11
 1SJJ,TYR_139,10.24,-0.03,0.05,0.21
 2YX0,HIS_292,6.32,-1.24,0.85,0.21
 1J8S,CYS_22,12.72,0,0.13,3.6
 2YLF,TYR_196,13.22,0.87,2.35
 1XTD,GLU_81,4.44,0.2,0,-0.26
 2YLF,LYS_142,10.74,-0.14,0.38,0
 2APL,GLU_85,3.97,0.41,-0.85,-0.09
 3HNX,HIS_88,7.3,-0.44,0.85,0.4
 1MML,GLU_123,4.12,0.3,-0.52,-0.15
 1JT9,GLU_261,4.73,0.25,-0.02,0
 1Z3X,TYR_165,13.89,0.74,3.15
 2GAU,GLU_184,4.18,0.27,-0.57,-0.01
 2QVT,TYR_38,11.26,0,-0.05,1.31
 3BCY,ASP_65,3.49,-0.73,-0.03,0.45
 3JZN,TYR_365,12.95,-0.08,-0.62,3.65
 3KB5,GLU_399,4.6,0.09,0,0.01
 1P2F,LYS_149,10.16,-0.62,0,0.27
 2CXG,ASP_77,3.26,-0.8,-0.12,0.37
 3CGW,GLU_83,4.47,0.32,-0.38,0.03
 1UJ8,TYR_27,10.68,0.44,0.23
 2RIK,HIS_112,6.5,-0.25,0,0.26
 2GAU,CYS_96,10.39,-0.06,-0.18,1.62
 2P6S,ASP_74,3.74,-0.01,-0.22,0.16
 2WZ9,LYS_79,11.04,-0.35,0.33,0.56
 3GT0,LYS_24,10.27,-0.28,0,0.05
 2AH5,LYS_41,10.32,-0.12,0,-0.06
 2CWC,ARG_106,12.65,-0.09,0,0.25
 2RJD,ARG_321,12.29,-0.21,0,0
 1ZBM,ASP_151,2.46,-1.37,-0.39,0.43
 1WOU,ARG_85,11.92,-0.63,0,0.06
 1NRI,GLU_238,4.65,0.15,0,0
 1O59,LYS_2,10.5,0,0,0
 2I88,LYS_369,10.62,-0.11,0,0.23
 2BLL,ARG_355,10.95,-1.11,0,-0.44
 3EJG,TYR_106,13.35,-1.57,0.7,4.22
 3N0K,ASP_52,4,-0.06,-0.25,0.5
 1CBY,LYS_208,10.5,-0.05,0,0.05
 1E5S,ARG_30,12.58,-0.38,0.02,0.44
 2OYZ,ASP_85,3.98,0,-0.04,0.22
 2O8I,ARG_99,12.2,-0.26,0,-0.05
 2FI9,GLU_64,4.7,0.28,0,-0.08
 4DIU,ARG_16,13.2,-0.54,0.28,0.96
 2B2H,GLU_85,4.66,0.28,0,-0.12
 2D0A,LYS_206,10.23,-0.47,0,0.2
 2G2D,ARG_133,11.28,-1.14,0,-0.08
 2VGM,TYR_255,10.09,0,-0.09,0.19
 1P1L,LYS_26,10.31,-0.3,0,0.11
 2QVO,GLU_16,4.58,0.52,-0.21,-0.24
 1E5S,TYR_222,10.09,0,-0.1,0.2
 1TLV,ASP_91,3.52,-0.06,-0.47,0.25
 4DNU,GLU_189,4.42,0.42,0,-0.5
 2XMZ,LYS_79,11.36,-0.29,0.58,0.57
 2O0K,ARG_86,11.86,-1.86,0.26,0.96
 3EUR,LYS_63,10.41,-0.14,0,0.05
 3CIV,ASP_74,4.05,0.04,0.21
 3CJW,ASP_290,3.14,-0.58,-0.42,0.34
 3C2E,TYR_135,12.48,-0.02,0.68,1.82
 3RNV,LYS_362,10.44,-0.06,0,0
 2W0G,HIS_180,5.81,-0.85,0.36,-0.2