

Appendix B

FITTING PARAMETERS

Of the following tables, all converged. All used the method of Maximum Likelihood Estimation (MLE), and all used the Logit model. Also, all had 13,797 observations

Table 17: Fields: Single-Both: isSwitch - Residue Type

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13777
Df Model:	19
Date:	Thu Apr 04 16:28:39 PDT 2019
Pseudo R-squ.:	0.007754
Log-Likelihood:	-5294.1
LL-Null:	-5335.5
LLR p-value:	6.227E-10

Table 18: Descriptors: Single-Both: isSwitch - Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.3695	0.118	-20.012	0.0
Alanine (A)	0.5033	0.15	3.364	0.001
Arginine (R)	0.4687	0.162	2.893	0.004
Asparagine (N)	0.6296	0.165	3.816	0.0
Aspartic acid (D)	0.7086	0.153	4.619	0.0
Cysteine (C)	0.3511	0.271	1.294	0.196
Glutamine (Q)	0.694	0.147	4.729	0.0
Glutamic acid (E)	0.6638	0.164	4.039	0.0
Glycine (G)	0.0567	0.168	0.338	0.735
Histidine (H)	0.43	0.199	2.165	0.03
Isoleucine (I)	0.175	0.167	1.051	0.293
Leucine (L)	0.3009	0.145	2.078	0.038
Lysine (K)	0.7615	0.149	5.099	0.0
Methionine (M)	0.7123	0.196	3.639	0.0
Phenylalanine (F)	0.395	0.175	2.261	0.024
Proline (P)	0.5331	0.173	3.083	0.002
Serine (S)	0.7323	0.151	4.843	0.0
Threonine (T)	0.3863	0.169	2.292	0.022
Tryptophan (W)	0.5283	0.254	2.082	0.037
Tyrosine (Y)	0.2635	0.177	1.49	0.136

Table 19: Fields: Single-Both: isSwitch - E6

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:28:39 PDT 2019
Pseudo R-squ.:	0.008374
Log-Likelihood:	-5290.8
LL-Null:	-5335.5
LLR p-value:	3.299E-21

Table 20: Descriptors: Single-Both: isSwitch - E6

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.1035	0.034	-61.077	0.0
E6	0.3668	0.038	9.634	0.0

Table 21: Fields: Single-Both: isSwitch - E20

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:28:39 PDT 2019
Pseudo R-squ.:	0.01015
Log-Likelihood:	-5281.4
LL-Null:	-5335.5
LLR p-value:	2.316E-25

Table 22: Descriptors: Single-Both: isSwitch - E20

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.1699	0.038	-57.488	0.0
E20	0.2902	0.027	10.566	0.0

Table 23: Fields: Single-Both: isSwitch - isUnstruct

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:28:39 PDT 2019
Pseudo R-squ.:	0.02014
Log-Likelihood:	-5228.1
LL-Null:	-5335.5
LLR p-value:	1.190E-48

Table 24: Descriptors: Single-Both: isSwitch - isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.2459	0.036	-62.007	0.0
isUnstruct	1.3464	0.088	15.219	0.0

Table 25: Fields: Single-Both: isSwitch - Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:28:39 PDT 2019
Pseudo R-squ.:	4.759E-5
Log-Likelihood:	-5335.3
LL-Null:	-5335.5
LLR p-value:	0.4761

Table 26: Descriptors: Single-Both: isSwitch - Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-1.9329	0.053	-36.218	0.0
Vkabat	0.0113	0.016	0.714	0.475

Table 27: Fields: Single-Both: isSwitch - E6 + Residue Type

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:28:39 PDT 2019
Pseudo R-squ.:	0.01381
Log-Likelihood:	-5261.8
LL-Null:	-5335.5
LLR p-value:	1.985E-21

Table 28: Descriptors: Single-Both: isSwitch - E6 + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.4724	0.119	-20.713	0.0
Alanine (A)	0.3772	0.151	2.502	0.012
Arginine (R)	0.3427	0.163	2.1	0.036
Asparagine (N)	0.508	0.166	3.058	0.002
Aspartic acid (D)	0.591	0.154	3.826	0.0
Cysteine (C)	0.2884	0.272	1.06	0.289
Glutamine (Q)	0.5658	0.148	3.824	0.0
Glutamic acid (E)	0.5013	0.166	3.02	0.003
Glycine (G)	-0.0344	0.168	-0.204	0.838
Histidine (H)	0.3112	0.2	1.559	0.119
Isoleucine (I)	0.1899	0.167	1.139	0.255
Leucine (L)	0.3179	0.145	2.192	0.028
Lysine (K)	0.6422	0.15	4.27	0.0
Methionine (M)	0.7326	0.196	3.737	0.0
Phenylalanine (F)	0.4019	0.175	2.298	0.022
Proline (P)	0.4207	0.174	2.419	0.016
Serine (S)	0.5848	0.153	3.831	0.0
Threonine (T)	0.2612	0.17	1.539	0.124
Tryptophan (W)	0.5648	0.254	2.222	0.026
Tyrosine (Y)	0.2754	0.177	1.555	0.12
E6	0.3282	0.04	8.148	0.0

Table 29: Fields: Single-Both: isSwitch - E6 + isUnstruct

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:40 PDT 2019
Pseudo R-squ.:	0.02588
Log-Likelihood:	-5197.5
LL-Null:	-5335.5
LLR p-value:	1.102E-60

Table 30: Descriptors: Single-Both: isSwitch - E6 + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.3979	0.042	-57.045	0.0
E6	0.3086	0.039	7.953	0.0
isUnstruct	1.269	0.09	14.165	0.0

Table 31: Fields: Single-Both: isSwitch - E6 + Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:40 PDT 2019
Pseudo R-squ.:	0.008425
Log-Likelihood:	-5290.6
LL-Null:	-5335.5
LLR p-value:	3.011E-20

Table 32: Descriptors: Single-Both: isSwitch - E6 + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.1381	0.058	-36.637	0.0
E6	0.3669	0.038	9.636	0.0
Vkabat	0.0117	0.016	0.738	0.46

Table 33: Fields: Single-Both: isSwitch - E20 + Residue Type

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:28:40 PDT 2019
Pseudo R-squ.:	0.01653
Log-Likelihood:	-5247.3
LL-Null:	-5335.5
LLR p-value:	4.912E-27

Table 34: Descriptors: Single-Both: isSwitch - E20 + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.6412	0.122	-21.591	0.0
Alanine (A)	0.4919	0.15	3.279	0.001
Arginine (R)	0.4543	0.163	2.795	0.005
Asparagine (N)	0.6117	0.166	3.694	0.0
Aspartic acid (D)	0.6959	0.154	4.522	0.0
Cysteine (C)	0.3688	0.272	1.354	0.176
Glutamine (Q)	0.6796	0.147	4.617	0.0
Glutamic acid (E)	0.6251	0.165	3.79	0.0
Glycine (G)	0.1315	0.168	0.782	0.434
Histidine (H)	0.4237	0.199	2.126	0.033
Isoleucine (I)	0.1923	0.167	1.152	0.249
Leucine (L)	0.3913	0.145	2.69	0.007
Lysine (K)	0.7584	0.15	5.064	0.0
Methionine (M)	0.7564	0.196	3.851	0.0
Phenylalanine (F)	0.4979	0.175	2.838	0.005
Proline (P)	0.5783	0.174	3.333	0.001
Serine (S)	0.6833	0.152	4.502	0.0
Threonine (T)	0.3333	0.169	1.97	0.049
Tryptophan (W)	0.6982	0.255	2.738	0.006
Tyrosine (Y)	0.3698	0.178	2.082	0.037
E20	0.2754	0.028	9.801	0.0

Table 35: Fields: Single-Both: isSwitch - E20 + isUnstruct

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:40 PDT 2019
Pseudo R-squ.:	0.02789
Log-Likelihood:	-5186.7
LL-Null:	-5335.5
LLR p-value:	2.306E-65

Table 36: Descriptors: Single-Both: isSwitch - E20 + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.4678	0.045	-54.901	0.0
E20	0.2571	0.028	9.224	0.0
isUnstruct	1.2768	0.09	14.265	0.0

Table 37: Fields: Single-Both: isSwitch - E20 + Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:40 PDT 2019
Pseudo R-squ.:	0.01018
Log-Likelihood:	-5281.2
LL-Null:	-5335.5
LLR p-value:	2.625E-24

Table 38: Descriptors: Single-Both: isSwitch - E20 + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.1954	0.06	-36.595	0.0
E20	0.29	0.027	10.555	0.0
Vkabat	0.0087	0.016	0.548	0.584

Table 39: Fields: Single-Both: isSwitch - isUnstruct + Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:40 PDT 2019
Pseudo R-squ.:	0.02056
Log-Likelihood:	-5225.8
LL-Null:	-5335.5
LLR p-value:	2.299E-48

Table 40: Descriptors: Single-Both: isSwitch - isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.3521	0.062	-37.927	0.0
isUnstruct	1.3659	0.089	15.355	0.0
Vkabat	0.0343	0.016	2.135	0.033

Table 41: Fields: Single-Both: isSwitch - isUnstruct + Residue Type

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:28:40 PDT 2019
Pseudo R-squ.:	0.02443
Log-Likelihood:	-5205.2
LL-Null:	-5335.5
LLR p-value:	7.954E-44

Table 42: Descriptors: Single-Both: isSwitch - isUnstruct + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.6132	0.121	-21.664	0.0
Alanine (A)	0.4168	0.151	2.768	0.006
Arginine (R)	0.3482	0.163	2.133	0.033
Asparagine (N)	0.5423	0.166	3.262	0.001
Aspartic acid (D)	0.6069	0.155	3.928	0.0
Cysteine (C)	0.4216	0.272	1.547	0.122
Glutamine (Q)	0.5317	0.148	3.589	0.0
Glutamic acid (E)	0.4856	0.166	2.925	0.003
Glycine (G)	0.0192	0.168	0.114	0.909
Histidine (H)	0.4011	0.2	2.01	0.044
Isoleucine (I)	0.1914	0.167	1.144	0.253
Leucine (L)	0.289	0.145	1.986	0.047
Lysine (K)	0.5997	0.151	3.976	0.0
Methionine (M)	0.4432	0.199	2.226	0.026
Phenylalanine (F)	0.4813	0.176	2.743	0.006
Proline (P)	0.3109	0.175	1.777	0.076
Serine (S)	0.5072	0.153	3.31	0.001
Threonine (T)	0.2844	0.17	1.676	0.094
Tryptophan (W)	0.6513	0.255	2.556	0.011
Tyrosine (Y)	0.3533	0.178	1.989	0.047
isUnstruct	1.2749	0.093	13.764	0.0

Table 43: Fields: Single-Both: isSwitch - Vkabat + Residue Type

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:28:40 PDT 2019
Pseudo R-squ.:	0.007885
Log-Likelihood:	-5293.4
LL-Null:	-5335.5
LLR p-value:	7.690E-10

Table 44: Descriptors: Single-Both: isSwitch - Vkabat + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.4315	0.13	-18.763	0.0
Alanine (A)	0.5122	0.15	3.419	0.001
Arginine (R)	0.469	0.162	2.895	0.004
Asparagine (N)	0.6389	0.165	3.867	0.0
Aspartic acid (D)	0.7175	0.154	4.671	0.0
Cysteine (C)	0.3526	0.271	1.299	0.194
Glutamine (Q)	0.7015	0.147	4.776	0.0
Glutamic acid (E)	0.6716	0.164	4.083	0.0
Glycine (G)	0.0689	0.168	0.41	0.682
Histidine (H)	0.4316	0.199	2.173	0.03
Isoleucine (I)	0.1742	0.167	1.046	0.295
Leucine (L)	0.3068	0.145	2.117	0.034
Lysine (K)	0.7688	0.149	5.144	0.0
Methionine (M)	0.7173	0.196	3.663	0.0
Phenylalanine (F)	0.3958	0.175	2.265	0.024
Proline (P)	0.5513	0.174	3.175	0.001
Serine (S)	0.737	0.151	4.872	0.0
Threonine (T)	0.3862	0.169	2.291	0.022
Tryptophan (W)	0.5261	0.254	2.073	0.038
Tyrosine (Y)	0.2655	0.177	1.501	0.133
Vkabat	0.0191	0.016	1.186	0.236

Table 45: Fields: Single-Both: isSwitch - E6 + isUnstruct + Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13793
Df Model:	3
Date:	Thu Apr 04 16:28:41 PDT 2019
Pseudo R-squ.:	0.02629
Log-Likelihood:	-5195.3
LL-Null:	-5335.5
LLR p-value:	1.646E-60

Table 46: Descriptors: Single-Both: isSwitch - E6 + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.5027	0.066	-38.13	0.0
E6	0.3082	0.039	7.945	0.0
isUnstruct	1.2888	0.09	14.307	0.0
Vkabat	0.0339	0.016	2.105	0.035

Table 47: Fields: Single-Both: isSwitch - E6 + Residue Type + Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:41 PDT 2019
Pseudo R-squ.:	0.01391
Log-Likelihood:	-5261.3
LL-Null:	-5335.5
LLR p-value:	3.454E-21

Table 48: Descriptors: Single-Both: isSwitch - E6 + Residue Type + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.5268	0.131	-19.352	0.0
Alanine (A)	0.3857	0.151	2.555	0.011
Arginine (R)	0.344	0.163	2.108	0.035
Asparagine (N)	0.5167	0.166	3.106	0.002
Aspartic acid (D)	0.6001	0.155	3.879	0.0
Cysteine (C)	0.2906	0.272	1.068	0.285
Glutamine (Q)	0.5729	0.148	3.868	0.0
Glutamic acid (E)	0.5088	0.166	3.062	0.002
Glycine (G)	-0.0227	0.169	-0.135	0.893
Histidine (H)	0.3133	0.2	1.569	0.117
Isoleucine (I)	0.1896	0.167	1.137	0.256
Leucine (L)	0.3232	0.145	2.227	0.026
Lysine (K)	0.6495	0.151	4.314	0.0
Methionine (M)	0.7373	0.196	3.759	0.0
Phenylalanine (F)	0.403	0.175	2.304	0.021
Proline (P)	0.4374	0.175	2.504	0.012
Serine (S)	0.59	0.153	3.863	0.0
Threonine (T)	0.2622	0.17	1.545	0.122
Tryptophan (W)	0.5633	0.254	2.216	0.027
Tyrosine (Y)	0.2777	0.177	1.568	0.117
E6	0.3274	0.04	8.126	0.0
Vkabat	0.0167	0.016	1.034	0.301

Table 49: Fields: Single-Both: isSwitch - E6 + Residue Type + isUnstruct

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:41 PDT 2019
Pseudo R-squ.:	0.02943
Log-Likelihood:	-5178.5
LL-Null:	-5335.5
LLR p-value:	4.424E-54

Table 50: Descriptors: Single-Both: isSwitch - E6 + Residue Type + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.7025	0.122	-22.23	0.0
Alanine (A)	0.3024	0.152	1.993	0.046
Arginine (R)	0.2374	0.164	1.445	0.149
Asparagine (N)	0.4324	0.167	2.583	0.01
Aspartic acid (D)	0.5046	0.155	3.246	0.001
Cysteine (C)	0.3608	0.273	1.32	0.187
Glutamine (Q)	0.4228	0.149	2.835	0.005
Glutamic acid (E)	0.3498	0.167	2.091	0.037
Glycine (G)	-0.0675	0.169	-0.399	0.69
Histidine (H)	0.2932	0.201	1.461	0.144
Isoleucine (I)	0.2051	0.168	1.224	0.221
Leucine (L)	0.3055	0.146	2.097	0.036
Lysine (K)	0.4987	0.152	3.286	0.001
Methionine (M)	0.4785	0.199	2.404	0.016
Phenylalanine (F)	0.4854	0.176	2.762	0.006
Proline (P)	0.2128	0.176	1.209	0.227
Serine (S)	0.3749	0.155	2.423	0.015
Threonine (T)	0.175	0.171	1.025	0.305
Tryptophan (W)	0.6847	0.255	2.685	0.007
Tyrosine (Y)	0.3627	0.178	2.039	0.041
E6	0.3015	0.041	7.394	0.0
isUnstruct	1.2391	0.093	13.31	0.0

Table 51: Fields: Single-Both: isSwitch - E20 + isUnstruct + Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13793
Df Model:	3
Date:	Thu Apr 04 16:28:41 PDT 2019
Pseudo R-squ.:	0.02823
Log-Likelihood:	-5184.9
LL-Null:	-5335.5
LLR p-value:	5.239E-65

Table 52: Descriptors: Single-Both: isSwitch - E20 + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.562	0.067	-38.181	0.0
E20	0.2557	0.028	9.173	0.0
isUnstruct	1.2947	0.09	14.386	0.0
Vkabat	0.0308	0.016	1.911	0.056

Table 53: Fields: Single-Both: isSwitch - E20 + Residue Type + Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:41 PDT 2019
Pseudo R-squ.:	0.01663
Log-Likelihood:	-5246.8
LL-Null:	-5335.5
LLR p-value:	9.239E-27

Table 54: Descriptors: Single-Both: isSwitch - E20 + Residue Type + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.6951	0.133	-20.247	0.0
Alanine (A)	0.4997	0.15	3.326	0.001
Arginine (R)	0.4551	0.163	2.799	0.005
Asparagine (N)	0.6197	0.166	3.738	0.0
Aspartic acid (D)	0.7045	0.154	4.571	0.0
Cysteine (C)	0.3706	0.272	1.361	0.174
Glutamine (Q)	0.6861	0.147	4.657	0.0
Glutamic acid (E)	0.6319	0.165	3.827	0.0
Glycine (G)	0.1426	0.169	0.846	0.398
Histidine (H)	0.4253	0.199	2.134	0.033
Isoleucine (I)	0.1916	0.167	1.148	0.251
Leucine (L)	0.3962	0.146	2.722	0.006
Lysine (K)	0.7652	0.15	5.103	0.0
Methionine (M)	0.7609	0.196	3.873	0.0
Phenylalanine (F)	0.4986	0.175	2.842	0.004
Proline (P)	0.5943	0.174	3.411	0.001
Serine (S)	0.688	0.152	4.531	0.0
Threonine (T)	0.3337	0.169	1.972	0.049
Tryptophan (W)	0.6963	0.255	2.73	0.006
Tyrosine (Y)	0.3716	0.178	2.092	0.036
E20	0.2748	0.028	9.783	0.0
Vkabat	0.0167	0.016	1.034	0.301

Table 55: Fields: Single-Both: isSwitch - E20 + Residue Type + isUnstruct

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:41 PDT 2019
Pseudo R-squ.:	0.03192
Log-Likelihood:	-5165.2
LL-Null:	-5335.5
LLR p-value:	1.570E-59

Table 56: Descriptors: Single-Both: isSwitch - E20 + Residue Type + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.8593	0.124	-22.987	0.0
Alanine (A)	0.4063	0.151	2.691	0.007
Arginine (R)	0.3378	0.164	2.063	0.039
Asparagine (N)	0.5255	0.167	3.149	0.002
Aspartic acid (D)	0.5987	0.155	3.865	0.0
Cysteine (C)	0.4343	0.274	1.588	0.112
Glutamine (Q)	0.5271	0.148	3.55	0.0
Glutamic acid (E)	0.4641	0.166	2.79	0.005
Glycine (G)	0.084	0.169	0.497	0.619
Histidine (H)	0.3939	0.2	1.966	0.049
Isoleucine (I)	0.2049	0.168	1.222	0.222
Leucine (L)	0.3726	0.146	2.55	0.011
Lysine (K)	0.6052	0.151	4.003	0.0
Methionine (M)	0.5087	0.199	2.556	0.011
Phenylalanine (F)	0.5742	0.176	3.258	0.001
Proline (P)	0.3586	0.176	2.042	0.041
Serine (S)	0.4639	0.154	3.015	0.003
Threonine (T)	0.2387	0.17	1.402	0.161
Tryptophan (W)	0.8087	0.256	3.161	0.002
Tyrosine (Y)	0.4494	0.178	2.52	0.012
E20	0.2572	0.028	9.05	0.0
isUnstruct	1.2325	0.093	13.213	0.0

Table 57: Fields: Single-Both: isSwitch - Residue Type + isUnstruct + Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:42 PDT 2019
Pseudo R-squ.:	0.02493
Log-Likelihood:	-5202.5
LL-Null:	-5335.5
LLR p-value:	2.494E-44

Table 58: Descriptors: Single-Both: isSwitch - Residue Type + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.7415	0.133	-20.587	0.0
Alanine (A)	0.435	0.151	2.884	0.004
Arginine (R)	0.3484	0.163	2.134	0.033
Asparagine (N)	0.5629	0.167	3.38	0.001
Aspartic acid (D)	0.6261	0.155	4.045	0.0
Cysteine (C)	0.4286	0.273	1.573	0.116
Glutamine (Q)	0.547	0.148	3.688	0.0
Glutamic acid (E)	0.502	0.166	3.02	0.003
Glycine (G)	0.0469	0.169	0.277	0.781
Histidine (H)	0.4068	0.2	2.038	0.042
Isoleucine (I)	0.19	0.167	1.135	0.256
Leucine (L)	0.3016	0.146	2.07	0.038
Lysine (K)	0.6138	0.151	4.064	0.0
Methionine (M)	0.4514	0.199	2.266	0.023
Phenylalanine (F)	0.4857	0.176	2.766	0.006
Proline (P)	0.3465	0.176	1.972	0.049
Serine (S)	0.5168	0.153	3.371	0.001
Threonine (T)	0.2851	0.17	1.679	0.093
Tryptophan (W)	0.6504	0.255	2.552	0.011
Tyrosine (Y)	0.3599	0.178	2.025	0.043
isUnstruct	1.2935	0.093	13.915	0.0
Vkabat	0.0377	0.016	2.314	0.021

Table 59: Fields: Single-Both: isSwitch - E6 + Residue Type + isUnstruct + Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13774
Df Model:	22
Date:	Thu Apr 04 16:28:42 PDT 2019
Pseudo R-squ.:	0.02986
Log-Likelihood:	-5176.2
LL-Null:	-5335.5
LLR p-value:	2.043E-54

Table 60: Descriptors: Single-Both: isSwitch - E6 + Residue Type + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.8219	0.134	-21.046	0.0
Alanine (A)	0.3209	0.152	2.11	0.035
Arginine (R)	0.2395	0.164	1.457	0.145
Asparagine (N)	0.4527	0.168	2.7	0.007
Aspartic acid (D)	0.5249	0.156	3.37	0.001
Cysteine (C)	0.3689	0.273	1.35	0.177
Glutamine (Q)	0.438	0.149	2.932	0.003
Glutamic acid (E)	0.3664	0.168	2.187	0.029
Glycine (G)	-0.0398	0.17	-0.234	0.815
Histidine (H)	0.2997	0.201	1.493	0.135
Isoleucine (I)	0.2045	0.168	1.22	0.222
Leucine (L)	0.3175	0.146	2.176	0.03
Lysine (K)	0.5136	0.152	3.38	0.001
Methionine (M)	0.4864	0.199	2.443	0.015
Phenylalanine (F)	0.4902	0.176	2.788	0.005
Proline (P)	0.2473	0.177	1.399	0.162
Serine (S)	0.3858	0.155	2.492	0.013
Threonine (T)	0.1777	0.171	1.041	0.298
Tryptophan (W)	0.6846	0.255	2.684	0.007
Tyrosine (Y)	0.3699	0.178	2.078	0.038
E6	0.2994	0.041	7.342	0.0
isUnstruct	1.2568	0.093	13.45	0.0
Vkabat	0.0351	0.016	2.147	0.032

Table 61: Fields: Single-Both: isSwitch - E20 + Residue Type + isUnstruct + Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13774
Df Model:	22
Date:	Thu Apr 04 16:28:42 PDT 2019
Pseudo R-squ.:	0.03234
Log-Likelihood:	-5163.0
LL-Null:	-5335.5
LLR p-value:	7.783E-60

Table 62: Descriptors: Single-Both: isSwitch - E20 + Residue Type + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.9764	0.136	-21.816	0.0
Alanine (A)	0.4231	0.151	2.797	0.005
Arginine (R)	0.339	0.164	2.07	0.038
Asparagine (N)	0.5442	0.167	3.256	0.001
Aspartic acid (D)	0.6178	0.155	3.98	0.0
Cysteine (C)	0.4415	0.274	1.614	0.107
Glutamine (Q)	0.5409	0.149	3.639	0.0
Glutamic acid (E)	0.479	0.167	2.876	0.004
Glycine (G)	0.1101	0.17	0.649	0.516
Histidine (H)	0.3994	0.2	1.993	0.046
Isoleucine (I)	0.2038	0.168	1.215	0.224
Leucine (L)	0.3837	0.146	2.623	0.009
Lysine (K)	0.6188	0.151	4.088	0.0
Methionine (M)	0.5163	0.199	2.593	0.01
Phenylalanine (F)	0.578	0.176	3.279	0.001
Proline (P)	0.3914	0.176	2.22	0.026
Serine (S)	0.4737	0.154	3.077	0.002
Threonine (T)	0.2403	0.17	1.411	0.158
Tryptophan (W)	0.8076	0.256	3.156	0.002
Tyrosine (Y)	0.4557	0.178	2.554	0.011
E20	0.2559	0.028	9.003	0.0
isUnstruct	1.2499	0.094	13.351	0.0
Vkabat	0.0348	0.016	2.126	0.033

Table 63: Fields: Single-Assigned: isSwitch - Residue Type

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13777
Df Model:	19
Date:	Thu Apr 04 16:28:32 PDT 2019
Pseudo R-squ.:	0.005799
Log-Likelihood:	-4187.2
LL-Null:	-4211.6
LLR p-value:	0.0001935

Table 64: Descriptors: Single-Assigned: isSwitch - Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.5673	0.129	-19.947	0.0
Alanine (A)	0.1842	0.171	1.079	0.281
Arginine (R)	0.3808	0.178	2.135	0.033
Asparagine (N)	0.3589	0.188	1.908	0.056
Aspartic acid (D)	0.4351	0.173	2.51	0.012
Cysteine (C)	0.1283	0.317	0.405	0.685
Glutamine (Q)	0.5342	0.162	3.293	0.001
Glutamic acid (E)	0.4745	0.184	2.579	0.01
Glycine (G)	-0.3602	0.201	-1.79	0.073
Histidine (H)	0.345	0.22	1.571	0.116
Isoleucine (I)	0.0797	0.184	0.432	0.666
Leucine (L)	0.1754	0.16	1.097	0.273
Lysine (K)	0.4458	0.169	2.636	0.008
Methionine (M)	0.3481	0.231	1.505	0.132
Phenylalanine (F)	0.4163	0.188	2.21	0.027
Proline (P)	0.2354	0.2	1.178	0.239
Serine (S)	0.3714	0.173	2.146	0.032
Threonine (T)	0.0556	0.197	0.283	0.777
Tryptophan (W)	0.5078	0.276	1.843	0.065
Tyrosine (Y)	0.2757	0.191	1.441	0.149

Table 65: Fields: Single-Assigned: isSwitch - E6

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:28:33 PDT 2019
Pseudo R-squ.:	0.003655
Log-Likelihood:	-4196.2
LL-Null:	-4211.6
LLR p-value:	2.881E-8

Table 66: Descriptors: Single-Assigned: isSwitch - E6

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.4374	0.04	-61.482	0.0
E6	0.2538	0.045	5.645	0.0

Table 67: Fields: Single-Assigned: isSwitch - E20

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:28:33 PDT 2019
Pseudo R-squ.:	0.004762
Log-Likelihood:	-4191.6
LL-Null:	-4211.6
LLR p-value:	2.396E-10

Table 68: Descriptors: Single-Assigned: isSwitch - E20

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.4893	0.043	-57.353	0.0
E20	0.2077	0.032	6.43	0.0

Table 69: Fields: Single-Assigned: isSwitch - isUnstruct

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:28:33 PDT 2019
Pseudo R-squ.:	5.824E-6
Log-Likelihood:	-4211.6
LL-Null:	-4211.6
LLR p-value:	0.8247

Table 70: Descriptors: Single-Assigned: isSwitch - isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.2934	0.04	-57.469	0.0
isUnstruct	-0.0265	0.12	-0.221	0.825

Table 71: Fields: Single-Assigned: isSwitch - Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:28:33 PDT 2019
Pseudo R-squ.:	0.00208
Log-Likelihood:	-4202.9
LL-Null:	-4211.6
LLR p-value:	0.00002848

Table 72: Descriptors: Single-Assigned: isSwitch - Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.5291	0.063	-40.079	0.0
Vkabat	0.0761	0.018	4.234	0.0

Table 73: Fields: Single-Assigned: isSwitch - E6 + Residue Type

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:28:33 PDT 2019
Pseudo R-squ.:	0.008831
Log-Likelihood:	-4174.4
LL-Null:	-4211.6
LLR p-value:	3.452E-8

Table 74: Descriptors: Single-Assigned: isSwitch - E6 + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.6418	0.13	-20.363	0.0
Alanine (A)	0.0906	0.172	0.527	0.598
Arginine (R)	0.2885	0.18	1.607	0.108
Asparagine (N)	0.2686	0.189	1.42	0.156
Aspartic acid (D)	0.3475	0.174	1.993	0.046
Cysteine (C)	0.0818	0.317	0.258	0.796
Glutamine (Q)	0.4393	0.164	2.687	0.007
Glutamic acid (E)	0.3542	0.186	1.907	0.057
Glycine (G)	-0.4272	0.202	-2.116	0.034
Histidine (H)	0.258	0.221	1.169	0.242
Isoleucine (I)	0.0903	0.185	0.489	0.625
Leucine (L)	0.1873	0.16	1.17	0.242
Lysine (K)	0.3568	0.17	2.095	0.036
Methionine (M)	0.3619	0.231	1.563	0.118
Phenylalanine (F)	0.4208	0.188	2.233	0.026
Proline (P)	0.1521	0.201	0.758	0.449
Serine (S)	0.2614	0.175	1.497	0.134
Threonine (T)	-0.0371	0.198	-0.188	0.851
Tryptophan (W)	0.5341	0.276	1.937	0.053
Tyrosine (Y)	0.2842	0.191	1.485	0.138
E6	0.2435	0.048	5.12	0.0

Table 75: Fields: Single-Assigned: isSwitch - E6 + isUnstruct

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:33 PDT 2019
Pseudo R-squ.:	0.003754
Log-Likelihood:	-4195.8
LL-Null:	-4211.6
LLR p-value:	1.360E-7

Table 76: Descriptors: Single-Assigned: isSwitch - E6 + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.4154	0.046	-52.198	0.0
E6	0.259	0.045	5.718	0.0
isUnstruct	-0.1105	0.122	-0.908	0.364

Table 77: Fields: Single-Assigned: isSwitch - E6 + Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:33 PDT 2019
Pseudo R-squ.:	0.005747
Log-Likelihood:	-4187.4
LL-Null:	-4211.6
LLR p-value:	3.075E-11

Table 78: Descriptors: Single-Assigned: isSwitch - E6 + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.6681	0.068	-38.974	0.0
E6	0.2544	0.045	5.655	0.0
Vkabat	0.0764	0.018	4.247	0.0

Table 79: Fields: Single-Assigned: isSwitch - E20 + Residue Type

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:28:33 PDT 2019
Pseudo R-squ.:	0.01016
Log-Likelihood:	-4168.8
LL-Null:	-4211.6
LLR p-value:	4.287E-10

Table 80: Descriptors: Single-Assigned: isSwitch - E20 + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.764	0.133	-20.751	0.0
Alanine (A)	0.1748	0.171	1.023	0.306
Arginine (R)	0.3707	0.179	2.076	0.038
Asparagine (N)	0.3448	0.188	1.83	0.067
Aspartic acid (D)	0.4243	0.174	2.445	0.015
Cysteine (C)	0.1413	0.317	0.446	0.656
Glutamine (Q)	0.5228	0.162	3.219	0.001
Glutamic acid (E)	0.4455	0.184	2.417	0.016
Glycine (G)	-0.3057	0.202	-1.516	0.129
Histidine (H)	0.3407	0.22	1.549	0.121
Isoleucine (I)	0.0917	0.185	0.496	0.62
Leucine (L)	0.2409	0.16	1.501	0.133
Lysine (K)	0.4419	0.169	2.609	0.009
Methionine (M)	0.3786	0.232	1.634	0.102
Phenylalanine (F)	0.4911	0.189	2.598	0.009
Proline (P)	0.2676	0.2	1.337	0.181
Serine (S)	0.3336	0.173	1.924	0.054
Threonine (T)	0.0163	0.197	0.083	0.934
Tryptophan (W)	0.6314	0.277	2.283	0.022
Tyrosine (Y)	0.3532	0.192	1.841	0.066
E20	0.203	0.033	6.144	0.0

Table 81: Fields: Single-Assigned: isSwitch - E20 + isUnstruct

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:34 PDT 2019
Pseudo R-squ.:	0.004852
Log-Likelihood:	-4191.2
LL-Null:	-4211.6
LLR p-value:	1.333E-9

Table 82: Descriptors: Single-Assigned: isSwitch - E20 + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.4684	0.05	-49.849	0.0
E20	0.2106	0.032	6.487	0.0
isUnstruct	-0.1052	0.121	-0.866	0.386

Table 83: Fields: Single-Assigned: isSwitch - E20 + Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:34 PDT 2019
Pseudo R-squ.:	0.006747
Log-Likelihood:	-4183.2
LL-Null:	-4211.6
LLR p-value:	4.555E-13

Table 84: Descriptors: Single-Assigned: isSwitch - E20 + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.7119	0.07	-38.585	0.0
E20	0.2055	0.032	6.365	0.0
Vkabat	0.0744	0.018	4.136	0.0

Table 85: Fields: Single-Assigned: isSwitch - isUnstruct + Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:34 PDT 2019
Pseudo R-squ.:	0.002083
Log-Likelihood:	-4202.9
LL-Null:	-4211.6
LLR p-value:	0.0001549

Table 86: Descriptors: Single-Assigned: isSwitch - isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.5346	0.071	-35.774	0.0
isUnstruct	0.0205	0.12	0.17	0.865
Vkabat	0.0764	0.018	4.231	0.0

Table 87: Fields: Single-Assigned: isSwitch - isUnstruct + Residue Type

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:28:34 PDT 2019
Pseudo R-squ.:	0.005926
Log-Likelihood:	-4186.7
LL-Null:	-4211.6
LLR p-value:	0.0002276

Table 88: Descriptors: Single-Assigned: isSwitch - isUnstruct + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.5463	0.13	-19.545	0.0
Alanine (A)	0.1924	0.171	1.126	0.26
Arginine (R)	0.3923	0.179	2.195	0.028
Asparagine (N)	0.367	0.188	1.949	0.051
Aspartic acid (D)	0.4452	0.174	2.564	0.01
Cysteine (C)	0.1226	0.317	0.387	0.699
Glutamine (Q)	0.5496	0.163	3.374	0.001
Glutamic acid (E)	0.4913	0.185	2.66	0.008
Glycine (G)	-0.3567	0.201	-1.772	0.076
Histidine (H)	0.3485	0.22	1.586	0.113
Isoleucine (I)	0.0785	0.184	0.426	0.67
Leucine (L)	0.1769	0.16	1.106	0.269
Lysine (K)	0.4609	0.17	2.715	0.007
Methionine (M)	0.3718	0.232	1.599	0.11
Phenylalanine (F)	0.4095	0.188	2.172	0.03
Proline (P)	0.2559	0.201	1.275	0.202
Serine (S)	0.3925	0.174	2.252	0.024
Threonine (T)	0.065	0.197	0.33	0.741
Tryptophan (W)	0.4977	0.276	1.805	0.071
Tyrosine (Y)	0.2685	0.191	1.403	0.161
isUnstruct	-0.1288	0.125	-1.029	0.303

Table 89: Fields: Single-Assigned: isSwitch - Vkabat + Residue Type

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:28:34 PDT 2019
Pseudo R-squ.:	0.007938
Log-Likelihood:	-4178.2
LL-Null:	-4211.6
LLR p-value:	5.877E-7

Table 90: Descriptors: Single-Assigned: isSwitch - Vkabat + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.8271	0.143	-19.762	0.0
Alanine (A)	0.221	0.171	1.292	0.196
Arginine (R)	0.3823	0.178	2.142	0.032
Asparagine (N)	0.3988	0.188	2.116	0.034
Aspartic acid (D)	0.4737	0.174	2.727	0.006
Cysteine (C)	0.1348	0.317	0.426	0.67
Glutamine (Q)	0.5661	0.163	3.483	0.0
Glutamic acid (E)	0.5075	0.184	2.754	0.006
Glycine (G)	-0.3092	0.202	-1.533	0.125
Histidine (H)	0.3526	0.22	1.604	0.109
Isoleucine (I)	0.0765	0.185	0.415	0.679
Leucine (L)	0.1995	0.16	1.246	0.213
Lysine (K)	0.4769	0.169	2.815	0.005
Methionine (M)	0.3696	0.232	1.596	0.11
Phenylalanine (F)	0.4203	0.189	2.23	0.026
Proline (P)	0.3124	0.201	1.556	0.12
Serine (S)	0.3922	0.173	2.263	0.024
Threonine (T)	0.0548	0.197	0.278	0.781
Tryptophan (W)	0.4988	0.276	1.809	0.07
Tyrosine (Y)	0.2849	0.191	1.488	0.137
Vkabat	0.0783	0.018	4.293	0.0

Table 91: Fields: Single-Assigned: isSwitch - E6 + isUnstruct + Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13793
Df Model:	3
Date:	Thu Apr 04 16:28:34 PDT 2019
Pseudo R-squ.:	0.005778
Log-Likelihood:	-4187.3
LL-Null:	-4211.6
LLR p-value:	1.533E-10

Table 92: Descriptors: Single-Assigned: isSwitch - E6 + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.653	0.075	-35.594	0.0
E6	0.2572	0.045	5.676	0.0
isUnstruct	-0.0621	0.122	-0.509	0.611
Vkabat	0.0754	0.018	4.176	0.0

Table 93: Fields: Single-Assigned: isSwitch - E6 + Residue Type + Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:34 PDT 2019
Pseudo R-squ.:	0.01086
Log-Likelihood:	-4165.9
LL-Null:	-4211.6
LLR p-value:	9.028E-11

Table 94: Descriptors: Single-Assigned: isSwitch - E6 + Residue Type + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.8948	0.144	-20.099	0.0
Alanine (A)	0.1297	0.172	0.754	0.451
Arginine (R)	0.2939	0.18	1.636	0.102
Asparagine (N)	0.3101	0.19	1.636	0.102
Aspartic acid (D)	0.3903	0.175	2.234	0.026
Cysteine (C)	0.0914	0.317	0.288	0.773
Glutamine (Q)	0.4726	0.164	2.884	0.004
Glutamic acid (E)	0.3893	0.186	2.092	0.036
Glycine (G)	-0.3731	0.202	-1.844	0.065
Histidine (H)	0.268	0.221	1.214	0.225
Isoleucine (I)	0.0884	0.185	0.479	0.632
Leucine (L)	0.2113	0.16	1.319	0.187
Lysine (K)	0.3908	0.171	2.292	0.022
Methionine (M)	0.3834	0.232	1.654	0.098
Phenylalanine (F)	0.4262	0.189	2.259	0.024
Proline (P)	0.2304	0.202	1.142	0.253
Serine (S)	0.2862	0.175	1.637	0.102
Threonine (T)	-0.0332	0.198	-0.168	0.867
Tryptophan (W)	0.5265	0.276	1.908	0.056
Tyrosine (Y)	0.295	0.192	1.54	0.124
E6	0.2389	0.048	5.023	0.0
Vkabat	0.0762	0.018	4.178	0.0

Table 95: Fields: Single-Assigned: isSwitch - E6 + Residue Type + isUnstruct

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:35 PDT 2019
Pseudo R-squ.:	0.009045
Log-Likelihood:	-4173.5
LL-Null:	-4211.6
LLR p-value:	3.465E-8

Table 96: Descriptors: Single-Assigned: isSwitch - E6 + Residue Type + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.6154	0.131	-19.939	0.0
Alanine (A)	0.1	0.172	0.582	0.561
Arginine (R)	0.3019	0.18	1.679	0.093
Asparagine (N)	0.2778	0.189	1.468	0.142
Aspartic acid (D)	0.359	0.175	2.056	0.04
Cysteine (C)	0.0738	0.317	0.233	0.816
Glutamine (Q)	0.4575	0.164	2.788	0.005
Glutamic acid (E)	0.3732	0.186	2.003	0.045
Glycine (G)	-0.4231	0.202	-2.096	0.036
Histidine (H)	0.261	0.221	1.183	0.237
Isoleucine (I)	0.0888	0.185	0.481	0.63
Leucine (L)	0.1893	0.16	1.183	0.237
Lysine (K)	0.3746	0.171	2.194	0.028
Methionine (M)	0.3918	0.233	1.685	0.092
Phenylalanine (F)	0.412	0.189	2.184	0.029
Proline (P)	0.1777	0.202	0.882	0.378
Serine (S)	0.2876	0.176	1.637	0.102
Threonine (T)	-0.0264	0.198	-0.134	0.894
Tryptophan (W)	0.521	0.276	1.888	0.059
Tyrosine (Y)	0.2748	0.192	1.435	0.151
E6	0.2473	0.048	5.194	0.0
isUnstruct	-0.1678	0.126	-1.333	0.183

Table 97: Fields: Single-Assigned: isSwitch - E20 + isUnstruct + Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13793
Df Model:	3
Date:	Thu Apr 04 16:28:35 PDT 2019
Pseudo R-squ.:	0.006775
Log-Likelihood:	-4183.1
LL-Null:	-4211.6
LLR p-value:	2.487E-12

Table 98: Descriptors: Single-Assigned: isSwitch - E20 + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.6978	0.076	-35.426	0.0
E20	0.2071	0.032	6.381	0.0
isUnstruct	-0.0585	0.122	-0.48	0.631
Vkabat	0.0736	0.018	4.069	0.0

Table 99: Fields: Single-Assigned: isSwitch - E20 + Residue Type + Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:35 PDT 2019
Pseudo R-squ.:	0.0122
Log-Likelihood:	-4160.3
LL-Null:	-4211.6
LLR p-value:	9.325E-13

Table 100: Descriptors: Single-Assigned: isSwitch - E20 + Residue Type + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-3.0156	0.147	-20.521	0.0
Alanine (A)	0.2107	0.171	1.231	0.218
Arginine (R)	0.3739	0.179	2.092	0.036
Asparagine (N)	0.3834	0.189	2.031	0.042
Aspartic acid (D)	0.465	0.174	2.673	0.008
Cysteine (C)	0.1492	0.317	0.47	0.638
Glutamine (Q)	0.5535	0.163	3.401	0.001
Glutamic acid (E)	0.4773	0.185	2.585	0.01
Glycine (G)	-0.2544	0.202	-1.259	0.208
Histidine (H)	0.3487	0.22	1.584	0.113
Isoleucine (I)	0.0887	0.185	0.48	0.631
Leucine (L)	0.2635	0.161	1.64	0.101
Lysine (K)	0.4734	0.17	2.79	0.005
Methionine (M)	0.3996	0.232	1.723	0.085
Phenylalanine (F)	0.4947	0.189	2.616	0.009
Proline (P)	0.343	0.201	1.706	0.088
Serine (S)	0.3561	0.174	2.051	0.04
Threonine (T)	0.0176	0.197	0.089	0.929
Tryptophan (W)	0.622	0.277	2.246	0.025
Tyrosine (Y)	0.3624	0.192	1.887	0.059
E20	0.2003	0.033	6.07	0.0
Vkabat	0.0764	0.018	4.187	0.0

Table 101: Fields: Single-Assigned: isSwitch - E20 + Residue Type + isUnstruct

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:35 PDT 2019
Pseudo R-squ.:	0.0104
Log-Likelihood:	-4167.8
LL-Null:	-4211.6
LLR p-value:	4.127E-10

Table 102: Descriptors: Single-Assigned: isSwitch - E20 + Residue Type + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.7379	0.134	-20.366	0.0
Alanine (A)	0.1864	0.171	1.09	0.276
Arginine (R)	0.3865	0.179	2.16	0.031
Asparagine (N)	0.3562	0.189	1.889	0.059
Aspartic acid (D)	0.438	0.174	2.52	0.012
Cysteine (C)	0.1338	0.317	0.422	0.673
Glutamine (Q)	0.5436	0.163	3.332	0.001
Glutamic acid (E)	0.4672	0.185	2.525	0.012
Glycine (G)	-0.2993	0.202	-1.484	0.138
Histidine (H)	0.3457	0.22	1.571	0.116
Isoleucine (I)	0.0904	0.185	0.489	0.625
Leucine (L)	0.2439	0.161	1.52	0.129
Lysine (K)	0.4623	0.17	2.72	0.007
Methionine (M)	0.4096	0.233	1.76	0.078
Phenylalanine (F)	0.4828	0.189	2.553	0.011
Proline (P)	0.2966	0.201	1.475	0.14
Serine (S)	0.3628	0.175	2.078	0.038
Threonine (T)	0.0288	0.197	0.146	0.884
Tryptophan (W)	0.619	0.277	2.237	0.025
Tyrosine (Y)	0.3444	0.192	1.794	0.073
E20	0.2059	0.033	6.223	0.0
isUnstruct	-0.1774	0.126	-1.407	0.16

Table 103: Fields: Single-Assigned: isSwitch - Residue Type + isUnstruct + Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:35 PDT 2019
Pseudo R-squ.:	0.007996
Log-Likelihood:	-4178.0
LL-Null:	-4211.6
LLR p-value:	9.282E-7

Table 104: Descriptors: Single-Assigned: isSwitch - Residue Type + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.8091	0.145	-19.334	0.0
Alanine (A)	0.2258	0.171	1.32	0.187
Arginine (R)	0.3899	0.179	2.181	0.029
Asparagine (N)	0.4032	0.189	2.138	0.032
Aspartic acid (D)	0.4796	0.174	2.758	0.006
Cysteine (C)	0.1304	0.317	0.412	0.681
Glutamine (Q)	0.5758	0.163	3.53	0.0
Glutamic acid (E)	0.518	0.185	2.802	0.005
Glycine (G)	-0.308	0.202	-1.527	0.127
Histidine (H)	0.3545	0.22	1.613	0.107
Isoleucine (I)	0.0757	0.185	0.41	0.682
Leucine (L)	0.2	0.16	1.249	0.212
Lysine (K)	0.4865	0.17	2.862	0.004
Methionine (M)	0.3851	0.233	1.656	0.098
Phenylalanine (F)	0.4154	0.189	2.202	0.028
Proline (P)	0.3249	0.202	1.612	0.107
Serine (S)	0.4057	0.174	2.327	0.02
Threonine (T)	0.0609	0.197	0.309	0.757
Tryptophan (W)	0.4919	0.276	1.783	0.075
Tyrosine (Y)	0.2796	0.192	1.46	0.144
isUnstruct	-0.0874	0.125	-0.697	0.486
Vkabat	0.0773	0.018	4.222	0.0

Table 105: Fields: Single-Assigned: isSwitch - E6 + Residue Type + isUnstruct + Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13774
Df Model:	22
Date:	Thu Apr 04 16:28:36 PDT 2019
Pseudo R-squ.:	0.01098
Log-Likelihood:	-4165.4
LL-Null:	-4211.6
LLR p-value:	1.293E-10

Table 106: Descriptors: Single-Assigned: isSwitch - E6 + Residue Type + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.8694	0.146	-19.638	0.0
Alanine (A)	0.1357	0.172	0.788	0.431
Arginine (R)	0.3037	0.18	1.688	0.091
Asparagine (N)	0.3156	0.19	1.664	0.096
Aspartic acid (D)	0.3976	0.175	2.273	0.023
Cysteine (C)	0.0846	0.317	0.267	0.79
Glutamine (Q)	0.4852	0.164	2.952	0.003
Glutamic acid (E)	0.4023	0.187	2.156	0.031
Glycine (G)	-0.3719	0.202	-1.838	0.066
Histidine (H)	0.2696	0.221	1.221	0.222
Isoleucine (I)	0.0874	0.185	0.473	0.636
Leucine (L)	0.2122	0.16	1.324	0.186
Lysine (K)	0.4033	0.171	2.359	0.018
Methionine (M)	0.4051	0.233	1.741	0.082
Phenylalanine (F)	0.4192	0.189	2.221	0.026
Proline (P)	0.2476	0.202	1.223	0.221
Serine (S)	0.3048	0.176	1.734	0.083
Threonine (T)	-0.0256	0.198	-0.13	0.897
Tryptophan (W)	0.5166	0.276	1.87	0.061
Tyrosine (Y)	0.2875	0.192	1.5	0.134
E6	0.2419	0.048	5.078	0.0
isUnstruct	-0.1265	0.126	-1.003	0.316
Vkabat	0.0747	0.018	4.079	0.0

Table 107: Fields: Single-Assigned: isSwitch - E20 + Residue Type + isUnstruct + Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13774
Df Model:	22
Date:	Thu Apr 04 16:28:36 PDT 2019
Pseudo R-squ.:	0.01234
Log-Likelihood:	-4159.7
LL-Null:	-4211.6
LLR p-value:	1.306E-12

Table 108: Descriptors: Single-Assigned: isSwitch - E20 + Residue Type + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.9897	0.149	-20.094	0.0
Alanine (A)	0.2185	0.171	1.275	0.202
Arginine (R)	0.3858	0.179	2.154	0.031
Asparagine (N)	0.3906	0.189	2.068	0.039
Aspartic acid (D)	0.4741	0.174	2.723	0.006
Cysteine (C)	0.1427	0.317	0.45	0.653
Glutamine (Q)	0.5683	0.163	3.479	0.001
Glutamic acid (E)	0.4926	0.185	2.66	0.008
Glycine (G)	-0.2514	0.202	-1.244	0.214
Histidine (H)	0.3518	0.22	1.598	0.11
Isoleucine (I)	0.0878	0.185	0.475	0.635
Leucine (L)	0.2651	0.161	1.65	0.099
Lysine (K)	0.4881	0.17	2.868	0.004
Methionine (M)	0.4227	0.233	1.815	0.07
Phenylalanine (F)	0.4879	0.189	2.578	0.01
Proline (P)	0.3631	0.202	1.799	0.072
Serine (S)	0.3774	0.175	2.16	0.031
Threonine (T)	0.0267	0.197	0.136	0.892
Tryptophan (W)	0.6123	0.277	2.21	0.027
Tyrosine (Y)	0.3552	0.192	1.849	0.065
E20	0.2027	0.033	6.129	0.0
isUnstruct	-0.1366	0.126	-1.081	0.279
Vkabat	0.0748	0.018	4.083	0.0

Table 109: Fields: Single-Unassigned: isSwitch - Residue Type

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13777
Df Model:	19
Date:	Thu Apr 04 16:28:44 PDT 2019
Pseudo R-squ.:	0.01934
Log-Likelihood:	-2228.9
LL-Null:	-2272.8
LLR p-value:	7.686E-11

Table 110: Descriptors: Single-Unassigned: isSwitch - Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.2363	0.279	-15.165	0.0
Alanine (A)	1.2816	0.314	4.08	0.0
Arginine (R)	0.7269	0.356	2.039	0.041
Asparagine (N)	1.2989	0.336	3.862	0.0
Aspartic acid (D)	1.366	0.321	4.252	0.0
Cysteine (C)	0.9782	0.501	1.952	0.051
Glutamine (Q)	1.1071	0.321	3.451	0.001
Glutamic acid (E)	1.1558	0.344	3.361	0.001
Glycine (G)	1.0389	0.33	3.152	0.002
Histidine (H)	0.6867	0.425	1.615	0.106
Isoleucine (I)	0.51	0.363	1.404	0.16
Leucine (L)	0.7035	0.321	2.191	0.028
Lysine (K)	1.4819	0.314	4.722	0.0
Methionine (M)	1.5213	0.366	4.154	0.0
Phenylalanine (F)	0.2182	0.424	0.514	0.607
Proline (P)	1.2699	0.344	3.689	0.0
Serine (S)	1.5321	0.314	4.88	0.0
Threonine (T)	1.203	0.336	3.579	0.0
Tryptophan (W)	0.5228	0.578	0.904	0.366
Tyrosine (Y)	0.1605	0.424	0.379	0.705

Table 111: Fields: Single-Unassigned: isSwitch - E6

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:28:44 PDT 2019
Pseudo R-squ.:	0.01429
Log-Likelihood:	-2240.4
LL-Null:	-2272.8
LLR p-value:	7.680E-16

Table 112: Descriptors: Single-Unassigned: isSwitch - E6

Name	Beta	Std Err	Z-score	P-value
Intercept	-3.5214	0.063	-55.917	0.0
E6	0.5247	0.063	8.311	0.0

Table 113: Fields: Single-Unassigned: isSwitch - E20

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:28:45 PDT 2019
Pseudo R-squ.:	0.01612
Log-Likelihood:	-2236.2
LL-Null:	-2272.8
LLR p-value:	1.121E-17

Table 114: Descriptors: Single-Unassigned: isSwitch - E20

Name	Beta	Std Err	Z-score	P-value
Intercept	-3.6073	0.069	-52.208	0.0
E20	0.4029	0.046	8.779	0.0

Table 115: Fields: Single-Unassigned: isSwitch - isUnstruct

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:28:45 PDT 2019
Pseudo R-squ.:	0.1194
Log-Likelihood:	-2001.5
LL-Null:	-2272.8
LLR p-value:	4.898E-120

Table 116: Descriptors: Single-Unassigned: isSwitch - isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.316	0.079	-54.608	0.0
isUnstruct	3.2266	0.134	24.046	0.0

Table 117: Fields: Single-Unassigned: isSwitch - Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:28:45 PDT 2019
Pseudo R-squ.:	0.005996
Log-Likelihood:	-2259.2
LL-Null:	-2272.8
LLR p-value:	1.782E-7

Table 118: Descriptors: Single-Unassigned: isSwitch - Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.7771	0.091	-30.461	0.0
Vkabat	-0.1543	0.031	-5.047	0.0

Table 119: Fields: Single-Unassigned: isSwitch - E6 + Residue Type

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:28:45 PDT 2019
Pseudo R-squ.:	0.02814
Log-Likelihood:	-2208.9
LL-Null:	-2272.8
LLR p-value:	9.604E-18

Table 120: Descriptors: Single-Unassigned: isSwitch - E6 + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.3804	0.281	-15.606	0.0
Alanine (A)	1.1104	0.316	3.518	0.0
Arginine (R)	0.5506	0.358	1.538	0.124
Asparagine (N)	1.1316	0.338	3.349	0.001
Aspartic acid (D)	1.2045	0.323	3.733	0.0
Cysteine (C)	0.8929	0.502	1.779	0.075
Glutamine (Q)	0.9288	0.322	2.881	0.004
Glutamic acid (E)	0.933	0.346	2.695	0.007
Glycine (G)	0.9154	0.331	2.769	0.006
Histidine (H)	0.521	0.427	1.221	0.222
Isoleucine (I)	0.5304	0.363	1.459	0.144
Leucine (L)	0.7272	0.321	2.263	0.024
Lysine (K)	1.3174	0.315	4.178	0.0
Methionine (M)	1.5492	0.367	4.226	0.0
Phenylalanine (F)	0.228	0.424	0.537	0.591
Proline (P)	1.1152	0.346	3.227	0.001
Serine (S)	1.3325	0.316	4.219	0.0
Threonine (T)	1.0334	0.338	3.061	0.002
Tryptophan (W)	0.5709	0.578	0.987	0.324
Tyrosine (Y)	0.1756	0.424	0.414	0.679
E6	0.4315	0.067	6.445	0.0

Table 121: Fields: Single-Unassigned: isSwitch - E6 + isUnstruct

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:45 PDT 2019
Pseudo R-squ.:	0.1267
Log-Likelihood:	-1984.9
LL-Null:	-2272.8
LLR p-value:	9.104E-126

Table 122: Descriptors: Single-Unassigned: isSwitch - E6 + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.5352	0.091	-50.072	0.0
E6	0.3928	0.067	5.87	0.0
isUnstruct	3.1644	0.136	23.331	0.0

Table 123: Fields: Single-Unassigned: isSwitch - E6 + Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:45 PDT 2019
Pseudo R-squ.:	0.02023
Log-Likelihood:	-2226.8
LL-Null:	-2272.8
LLR p-value:	1.068E-20

Table 124: Descriptors: Single-Unassigned: isSwitch - E6 + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-3.0962	0.102	-30.453	0.0
E6	0.5247	0.063	8.293	0.0
Vkabat	-0.1535	0.031	-5.025	0.0

Table 125: Fields: Single-Unassigned: isSwitch - E20 + Residue Type

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:28:45 PDT 2019
Pseudo R-squ.:	0.03226
Log-Likelihood:	-2199.5
LL-Null:	-2272.8
LLR p-value:	2.765E-21

Table 126: Descriptors: Single-Unassigned: isSwitch - E20 + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.6138	0.285	-16.205	0.0
Alanine (A)	1.2625	0.314	4.014	0.0
Arginine (R)	0.696	0.357	1.95	0.051
Asparagine (N)	1.2663	0.337	3.758	0.0
Aspartic acid (D)	1.3433	0.322	4.176	0.0
Cysteine (C)	0.9952	0.502	1.982	0.047
Glutamine (Q)	1.0788	0.321	3.359	0.001
Glutamic acid (E)	1.0936	0.345	3.174	0.002
Glycine (G)	1.1391	0.33	3.449	0.001
Histidine (H)	0.6694	0.426	1.571	0.116
Isoleucine (I)	0.5343	0.364	1.47	0.142
Leucine (L)	0.825	0.322	2.563	0.01
Lysine (K)	1.4706	0.314	4.68	0.0
Methionine (M)	1.578	0.367	4.3	0.0
Phenylalanine (F)	0.3554	0.425	0.837	0.403
Proline (P)	1.3254	0.345	3.844	0.0
Serine (S)	1.4613	0.314	4.647	0.0
Threonine (T)	1.1262	0.337	3.344	0.001
Tryptophan (W)	0.7484	0.579	1.291	0.197
Tyrosine (Y)	0.3013	0.425	0.71	0.478
E20	0.3665	0.047	7.814	0.0

Table 127: Fields: Single-Unassigned: isSwitch - E20 + isUnstruct

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:45 PDT 2019
Pseudo R-squ.:	0.1296
Log-Likelihood:	-1978.2
LL-Null:	-2272.8
LLR p-value:	1.111E-128

Table 128: Descriptors: Single-Unassigned: isSwitch - E20 + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.6396	0.096	-48.252	0.0
E20	0.3346	0.048	6.943	0.0
isUnstruct	3.1817	0.136	23.426	0.0

Table 129: Fields: Single-Unassigned: isSwitch - E20 + Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:45 PDT 2019
Pseudo R-squ.:	0.0225
Log-Likelihood:	-2221.7
LL-Null:	-2272.8
LLR p-value:	6.210E-23

Table 130: Descriptors: Single-Unassigned: isSwitch - E20 + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-3.173	0.105	-30.298	0.0
E20	0.4096	0.046	8.879	0.0
Vkabat	-0.1593	0.031	-5.199	0.0

Table 131: Fields: Single-Unassigned: isSwitch - isUnstruct + Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:46 PDT 2019
Pseudo R-squ.:	0.1214
Log-Likelihood:	-1996.8
LL-Null:	-2272.8
LLR p-value:	1.326E-120

Table 132: Descriptors: Single-Unassigned: isSwitch - isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.0405	0.118	-34.135	0.0
isUnstruct	3.1862	0.135	23.625	0.0
Vkabat	-0.0944	0.031	-3.004	0.003

Table 133: Fields: Single-Unassigned: isSwitch - isUnstruct + Residue Type

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:28:46 PDT 2019
Pseudo R-squ.:	0.1263
Log-Likelihood:	-1985.7
LL-Null:	-2272.8
LLR p-value:	7.452E-109

Table 134: Descriptors: Single-Unassigned: isSwitch - isUnstruct + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-5.0784	0.288	-17.642	0.0
Alanine (A)	1.0538	0.319	3.3	0.001
Arginine (R)	0.3801	0.362	1.049	0.294
Asparagine (N)	1.0274	0.344	2.99	0.003
Aspartic acid (D)	1.0962	0.327	3.352	0.001
Cysteine (C)	1.2425	0.51	2.437	0.015
Glutamine (Q)	0.6436	0.326	1.972	0.049
Glutamic acid (E)	0.6442	0.351	1.836	0.066
Glycine (G)	0.969	0.335	2.893	0.004
Histidine (H)	0.6453	0.431	1.496	0.135
Isoleucine (I)	0.5757	0.368	1.563	0.118
Leucine (L)	0.6859	0.325	2.108	0.035
Lysine (K)	1.0117	0.32	3.16	0.002
Methionine (M)	0.6898	0.378	1.822	0.068
Phenylalanine (F)	0.5319	0.429	1.24	0.215
Proline (P)	0.6516	0.352	1.854	0.064
Serine (S)	0.9039	0.321	2.819	0.005
Threonine (T)	0.931	0.342	2.72	0.007
Tryptophan (W)	0.9499	0.586	1.62	0.105
Tyrosine (Y)	0.4869	0.429	1.136	0.256
isUnstruct	3.1815	0.141	22.533	0.0

Table 135: Fields: Single-Unassigned: isSwitch - Vkabat + Residue Type

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:28:46 PDT 2019
Pseudo R-squ.:	0.02386
Log-Likelihood:	-2218.6
LL-Null:	-2272.8
LLR p-value:	3.780E-14

Table 136: Descriptors: Single-Unassigned: isSwitch - Vkabat + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-3.8203	0.293	-13.022	0.0
Alanine (A)	1.2217	0.315	3.885	0.0
Arginine (R)	0.7239	0.357	2.03	0.042
Asparagine (N)	1.2429	0.337	3.692	0.0
Aspartic acid (D)	1.3129	0.322	4.083	0.0
Cysteine (C)	0.9704	0.501	1.935	0.053
Glutamine (Q)	1.0573	0.321	3.293	0.001
Glutamic acid (E)	1.1051	0.344	3.21	0.001
Glycine (G)	0.9615	0.33	2.912	0.004
Histidine (H)	0.6789	0.426	1.595	0.111
Isoleucine (I)	0.5165	0.363	1.421	0.155
Leucine (L)	0.6631	0.321	2.063	0.039
Lysine (K)	1.4355	0.314	4.57	0.0
Methionine (M)	1.491	0.367	4.068	0.0
Phenylalanine (F)	0.2158	0.424	0.509	0.611
Proline (P)	1.1534	0.345	3.342	0.001
Serine (S)	1.5066	0.314	4.796	0.0
Threonine (T)	1.2059	0.336	3.586	0.0
Tryptophan (W)	0.5372	0.578	0.929	0.353
Tyrosine (Y)	0.1505	0.424	0.355	0.723
Vkabat	-0.1366	0.031	-4.399	0.0

Table 137: Fields: Single-Unassigned: isSwitch - E6 + isUnstruct + Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13793
Df Model:	3
Date:	Thu Apr 04 16:28:46 PDT 2019
Pseudo R-squ.:	0.1287
Log-Likelihood:	-1980.3
LL-Null:	-2272.8
LLR p-value:	1.785E-126

Table 138: Descriptors: Single-Unassigned: isSwitch - E6 + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.2614	0.127	-33.678	0.0
E6	0.3921	0.067	5.853	0.0
isUnstruct	3.1235	0.136	22.906	0.0
Vkabat	-0.0935	0.031	-2.975	0.003

Table 139: Fields: Single-Unassigned: isSwitch - E6 + Residue Type + Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:46 PDT 2019
Pseudo R-squ.:	0.03278
Log-Likelihood:	-2198.3
LL-Null:	-2272.8
LLR p-value:	2.733E-21

Table 140: Descriptors: Single-Unassigned: isSwitch - E6 + Residue Type + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-3.9541	0.295	-13.412	0.0
Alanine (A)	1.0423	0.316	3.296	0.001
Arginine (R)	0.5378	0.358	1.5	0.133
Asparagine (N)	1.0689	0.338	3.16	0.002
Aspartic acid (D)	1.1353	0.323	3.512	0.0
Cysteine (C)	0.8754	0.502	1.743	0.081
Glutamine (Q)	0.8749	0.323	2.71	0.007
Glutamic acid (E)	0.8762	0.347	2.528	0.011
Glycine (G)	0.8244	0.331	2.488	0.013
Histidine (H)	0.5065	0.427	1.186	0.236
Isoleucine (I)	0.5319	0.364	1.463	0.143
Leucine (L)	0.6829	0.322	2.124	0.034
Lysine (K)	1.2609	0.316	3.993	0.0
Methionine (M)	1.5154	0.367	4.131	0.0
Phenylalanine (F)	0.2193	0.424	0.517	0.605
Proline (P)	0.9892	0.347	2.853	0.004
Serine (S)	1.2951	0.316	4.095	0.0
Threonine (T)	1.0239	0.338	3.03	0.002
Tryptophan (W)	0.58	0.579	1.002	0.316
Tyrosine (Y)	0.1576	0.424	0.372	0.71
E6	0.4359	0.067	6.491	0.0
Vkabat	-0.1382	0.031	-4.458	0.0

Table 141: Fields: Single-Unassigned: isSwitch - E6 + Residue Type + isUnstruct

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:46 PDT 2019
Pseudo R-squ.:	0.1324
Log-Likelihood:	-1972.0
LL-Null:	-2272.8
LLR p-value:	6.888E-114

Table 142: Descriptors: Single-Unassigned: isSwitch - E6 + Residue Type + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-5.2101	0.29	-17.965	0.0
Alanine (A)	0.9056	0.321	2.818	0.005
Arginine (R)	0.2454	0.364	0.674	0.5
Asparagine (N)	0.8859	0.346	2.563	0.01
Aspartic acid (D)	0.9819	0.328	2.992	0.003
Cysteine (C)	1.1588	0.513	2.26	0.024
Glutamine (Q)	0.524	0.328	1.6	0.11
Glutamic acid (E)	0.5013	0.352	1.423	0.155
Glycine (G)	0.8495	0.337	2.523	0.012
Histidine (H)	0.497	0.434	1.145	0.252
Isoleucine (I)	0.6008	0.369	1.629	0.103
Leucine (L)	0.7126	0.326	2.186	0.029
Lysine (K)	0.9021	0.321	2.809	0.005
Methionine (M)	0.7736	0.378	2.045	0.041
Phenylalanine (F)	0.5415	0.429	1.261	0.207
Proline (P)	0.5271	0.353	1.493	0.135
Serine (S)	0.7295	0.323	2.258	0.024
Threonine (T)	0.8072	0.344	2.349	0.019
Tryptophan (W)	1.0152	0.586	1.732	0.083
Tyrosine (Y)	0.5042	0.429	1.174	0.24
E6	0.3748	0.071	5.315	0.0
isUnstruct	3.1528	0.142	22.242	0.0

Table 143: Fields: Single-Unassigned: isSwitch - E20 + isUnstruct + Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13793
Df Model:	3
Date:	Thu Apr 04 16:28:47 PDT 2019
Pseudo R-squ.:	0.132
Log-Likelihood:	-1972.9
LL-Null:	-2272.8
LLR p-value:	1.098E-129

Table 144: Descriptors: Single-Unassigned: isSwitch - E20 + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.3519	0.129	-33.663	0.0
E20	0.34	0.048	7.033	0.0
isUnstruct	3.1384	0.137	22.987	0.0
Vkabat	-0.1004	0.031	-3.189	0.001

Table 145: Fields: Single-Unassigned: isSwitch - E20 + Residue Type + Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:47 PDT 2019
Pseudo R-squ.:	0.03697
Log-Likelihood:	-2188.8
LL-Null:	-2272.8
LLR p-value:	6.060E-25

Table 146: Descriptors: Single-Unassigned: isSwitch - E20 + Residue Type + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.1899	0.298	-14.046	0.0
Alanine (A)	1.2008	0.315	3.813	0.0
Arginine (R)	0.6862	0.357	1.921	0.055
Asparagine (N)	1.2094	0.337	3.586	0.0
Aspartic acid (D)	1.2769	0.322	3.964	0.0
Cysteine (C)	0.9811	0.502	1.952	0.051
Glutamine (Q)	1.0293	0.321	3.202	0.001
Glutamic acid (E)	1.0427	0.345	3.023	0.002
Glycine (G)	1.0526	0.331	3.182	0.001
Histidine (H)	0.6576	0.426	1.543	0.123
Isoleucine (I)	0.5396	0.364	1.484	0.138
Leucine (L)	0.7844	0.322	2.436	0.015
Lysine (K)	1.4186	0.315	4.51	0.0
Methionine (M)	1.5451	0.367	4.207	0.0
Phenylalanine (F)	0.351	0.425	0.826	0.409
Proline (P)	1.2042	0.346	3.483	0.0
Serine (S)	1.4274	0.315	4.535	0.0
Threonine (T)	1.1218	0.337	3.328	0.001
Tryptophan (W)	0.7625	0.58	1.315	0.188
Tyrosine (Y)	0.2875	0.425	0.677	0.499
E20	0.3711	0.047	7.874	0.0
Vkabat	-0.1396	0.031	-4.496	0.0

Table 147: Fields: Single-Unassigned: isSwitch - E20 + Residue Type + isUnstruct

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:47 PDT 2019
Pseudo R-squ.:	0.1361
Log-Likelihood:	-1963.5
LL-Null:	-2272.8
LLR p-value:	1.870E-117

Table 148: Descriptors: Single-Unassigned: isSwitch - E20 + Residue Type + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-5.4225	0.294	-18.438	0.0
Alanine (A)	1.0252	0.32	3.202	0.001
Arginine (R)	0.3558	0.363	0.98	0.327
Asparagine (N)	0.9883	0.345	2.867	0.004
Aspartic acid (D)	1.087	0.328	3.318	0.001
Cysteine (C)	1.2458	0.513	2.428	0.015
Glutamine (Q)	0.6511	0.327	1.993	0.046
Glutamic acid (E)	0.6397	0.351	1.822	0.068
Glycine (G)	1.0345	0.336	3.078	0.002
Histidine (H)	0.6064	0.434	1.399	0.162
Isoleucine (I)	0.5889	0.369	1.597	0.11
Leucine (L)	0.7908	0.326	2.423	0.015
Lysine (K)	1.029	0.32	3.211	0.001
Methionine (M)	0.8365	0.378	2.214	0.027
Phenylalanine (F)	0.6538	0.43	1.521	0.128
Proline (P)	0.7054	0.352	2.002	0.045
Serine (S)	0.8278	0.322	2.573	0.01
Threonine (T)	0.8712	0.343	2.539	0.011
Tryptophan (W)	1.178	0.587	2.008	0.045
Tyrosine (Y)	0.6134	0.43	1.428	0.153
E20	0.3335	0.049	6.767	0.0
isUnstruct	3.1547	0.142	22.191	0.0

Table 149: Fields: Single-Unassigned: isSwitch - Residue Type + isUnstruct + Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:47 PDT 2019
Pseudo R-squ.:	0.1278
Log-Likelihood:	-1982.3
LL-Null:	-2272.8
LLR p-value:	1.583E-109

Table 150: Descriptors: Single-Unassigned: isSwitch - Residue Type + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.8031	0.306	-15.706	0.0
Alanine (A)	1.007	0.32	3.15	0.002
Arginine (R)	0.3712	0.362	1.025	0.306
Asparagine (N)	0.9676	0.345	2.808	0.005
Aspartic acid (D)	1.0434	0.328	3.184	0.001
Cysteine (C)	1.2098	0.51	2.37	0.018
Glutamine (Q)	0.5993	0.327	1.834	0.067
Glutamic acid (E)	0.5933	0.351	1.688	0.091
Glycine (G)	0.892	0.336	2.653	0.008
Histidine (H)	0.6176	0.432	1.431	0.152
Isoleucine (I)	0.5819	0.368	1.581	0.114
Leucine (L)	0.6523	0.326	2.004	0.045
Lysine (K)	0.9746	0.32	3.042	0.002
Methionine (M)	0.6659	0.379	1.759	0.079
Phenylalanine (F)	0.5163	0.429	1.204	0.228
Proline (P)	0.5663	0.353	1.604	0.109
Serine (S)	0.8678	0.321	2.703	0.007
Threonine (T)	0.9182	0.342	2.682	0.007
Tryptophan (W)	0.9384	0.587	1.6	0.11
Tyrosine (Y)	0.4673	0.429	1.09	0.276
isUnstruct	3.1502	0.142	22.209	0.0
Vkabat	-0.0818	0.032	-2.55	0.011

Table 151: Fields: Single-Unassigned: isSwitch - E6 + Residue Type + isUnstruct + Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13774
Df Model:	22
Date:	Thu Apr 04 16:28:47 PDT 2019
Pseudo R-squ.:	0.134
Log-Likelihood:	-1968.3
LL-Null:	-2272.8
LLR p-value:	1.127E-114

Table 152: Descriptors: Single-Unassigned: isSwitch - E6 + Residue Type + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.924	0.308	-15.996	0.0
Alanine (A)	0.8538	0.322	2.652	0.008
Arginine (R)	0.2312	0.364	0.635	0.525
Asparagine (N)	0.8224	0.347	2.373	0.018
Aspartic acid (D)	0.9215	0.329	2.801	0.005
Cysteine (C)	1.1214	0.513	2.185	0.029
Glutamine (Q)	0.4766	0.328	1.453	0.146
Glutamic acid (E)	0.4453	0.353	1.262	0.207
Glycine (G)	0.7646	0.338	2.26	0.024
Histidine (H)	0.4652	0.434	1.071	0.284
Isoleucine (I)	0.6051	0.369	1.642	0.101
Leucine (L)	0.6776	0.326	2.077	0.038
Lysine (K)	0.8601	0.322	2.675	0.007
Methionine (M)	0.7481	0.378	1.977	0.048
Phenylalanine (F)	0.5245	0.429	1.222	0.222
Proline (P)	0.4354	0.355	1.227	0.22
Serine (S)	0.6875	0.324	2.124	0.034
Threonine (T)	0.7889	0.344	2.295	0.022
Tryptophan (W)	1.0027	0.586	1.71	0.087
Tyrosine (Y)	0.4823	0.429	1.124	0.261
E6	0.3789	0.071	5.367	0.0
isUnstruct	3.1208	0.142	21.915	0.0
Vkabat	-0.085	0.032	-2.649	0.008

Table 153: Fields: Single-Unassigned: isSwitch - E20 + Residue Type + isUnstruct + Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13774
Df Model:	22
Date:	Thu Apr 04 16:28:48 PDT 2019
Pseudo R-squ.:	0.1378
Log-Likelihood:	-1959.7
LL-Null:	-2272.8
LLR p-value:	2.557E-118

Table 154: Descriptors: Single-Unassigned: isSwitch - E20 + Residue Type + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-5.1321	0.311	-16.493	0.0
Alanine (A)	0.9746	0.321	3.04	0.002
Arginine (R)	0.3417	0.363	0.941	0.347
Asparagine (N)	0.9258	0.346	2.679	0.007
Aspartic acid (D)	1.0255	0.328	3.124	0.002
Cysteine (C)	1.2085	0.514	2.353	0.019
Glutamine (Q)	0.604	0.327	1.847	0.065
Glutamic acid (E)	0.5839	0.352	1.66	0.097
Glycine (G)	0.9495	0.337	2.814	0.005
Histidine (H)	0.5741	0.434	1.323	0.186
Isoleucine (I)	0.5944	0.369	1.613	0.107
Leucine (L)	0.7561	0.327	2.315	0.021
Lysine (K)	0.9876	0.321	3.079	0.002
Methionine (M)	0.81	0.378	2.143	0.032
Phenylalanine (F)	0.6375	0.43	1.484	0.138
Proline (P)	0.6139	0.354	1.735	0.083
Serine (S)	0.786	0.322	2.44	0.015
Threonine (T)	0.8533	0.343	2.486	0.013
Tryptophan (W)	1.167	0.587	1.988	0.047
Tyrosine (Y)	0.5917	0.43	1.377	0.168
E20	0.3379	0.049	6.837	0.0
isUnstruct	3.1221	0.143	21.864	0.0
Vkabat	-0.0874	0.032	-2.719	0.007

Table 155: Fields: Triplet-Both: isSwitch - Residue Type

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13777
Df Model:	19
Date:	Thu Apr 04 16:28:57 PDT 2019
Pseudo R-squ.:	0.007754
Log-Likelihood:	-5294.1
LL-Null:	-5335.5
LLR p-value:	6.227E-10

Table 156: Descriptors: Triplet-Both: isSwitch - Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.3695	0.118	-20.012	0.0
Alanine (A)	0.5033	0.15	3.364	0.001
Arginine (R)	0.4687	0.162	2.893	0.004
Asparagine (N)	0.6296	0.165	3.816	0.0
Aspartic acid (D)	0.7086	0.153	4.619	0.0
Cysteine (C)	0.3511	0.271	1.294	0.196
Glutamine (Q)	0.694	0.147	4.729	0.0
Glutamic acid (E)	0.6638	0.164	4.039	0.0
Glycine (G)	0.0567	0.168	0.338	0.735
Histidine (H)	0.43	0.199	2.165	0.03
Isoleucine (I)	0.175	0.167	1.051	0.293
Leucine (L)	0.3009	0.145	2.078	0.038
Lysine (K)	0.7615	0.149	5.099	0.0
Methionine (M)	0.7123	0.196	3.639	0.0
Phenylalanine (F)	0.395	0.175	2.261	0.024
Proline (P)	0.5331	0.173	3.083	0.002
Serine (S)	0.7323	0.151	4.843	0.0
Threonine (T)	0.3863	0.169	2.292	0.022
Tryptophan (W)	0.5283	0.254	2.082	0.037
Tyrosine (Y)	0.2635	0.177	1.49	0.136

Table 157: Fields: Triplet-Both: isSwitch - E6

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:28:57 PDT 2019
Pseudo R-squ.:	0.01297
Log-Likelihood:	-5266.3
LL-Null:	-5335.5
LLR p-value:	5.835E-32

Table 158: Descriptors: Triplet-Both: isSwitch - E6

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.246	0.041	-55.421	0.0
E6	0.6282	0.053	11.965	0.0

Table 159: Fields: Triplet-Both: isSwitch - E20

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:28:57 PDT 2019
Pseudo R-squ.:	0.0134
Log-Likelihood:	-5264.0
LL-Null:	-5335.5
LLR p-value:	5.845E-33

Table 160: Descriptors: Triplet-Both: isSwitch - E20

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.2988	0.044	-52.56	0.0
E20	0.4327	0.036	12.127	0.0

Table 161: Fields: Triplet-Both: isSwitch - isUnstruct

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:28:57 PDT 2019
Pseudo R-squ.:	0.0199
Log-Likelihood:	-5229.3
LL-Null:	-5335.5
LLR p-value:	4.223E-48

Table 162: Descriptors: Triplet-Both: isSwitch - isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.2454	0.036	-61.88	0.0
isUnstruct	1.3471	0.089	15.126	0.0

Table 163: Fields: Triplet-Both: isSwitch - Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:28:57 PDT 2019
Pseudo R-squ.:	4.759E-5
Log-Likelihood:	-5335.3
LL-Null:	-5335.5
LLR p-value:	0.4761

Table 164: Descriptors: Triplet-Both: isSwitch - Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-1.9329	0.053	-36.218	0.0
Vkabat	0.0113	0.016	0.714	0.475

Table 165: Fields: Triplet-Both: isSwitch - E6 + Residue Type

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:28:57 PDT 2019
Pseudo R-squ.:	0.01889
Log-Likelihood:	-5234.7
LL-Null:	-5335.5
LLR p-value:	5.577E-32

Table 166: Descriptors: Triplet-Both: isSwitch - E6 + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.6374	0.122	-21.685	0.0
Alanine (A)	0.4138	0.15	2.752	0.006
Arginine (R)	0.3659	0.163	2.246	0.025
Asparagine (N)	0.5395	0.166	3.252	0.001
Aspartic acid (D)	0.5897	0.154	3.818	0.0
Cysteine (C)	0.3009	0.273	1.104	0.27
Glutamine (Q)	0.5963	0.148	4.04	0.0
Glutamic acid (E)	0.5736	0.165	3.472	0.001
Glycine (G)	-0.024	0.168	-0.143	0.887
Histidine (H)	0.3545	0.199	1.777	0.076
Isoleucine (I)	0.1853	0.167	1.11	0.267
Leucine (L)	0.3165	0.145	2.179	0.029
Lysine (K)	0.6832	0.15	4.552	0.0
Methionine (M)	0.7173	0.196	3.651	0.0
Phenylalanine (F)	0.4009	0.175	2.288	0.022
Proline (P)	0.4237	0.174	2.435	0.015
Serine (S)	0.6237	0.152	4.1	0.0
Threonine (T)	0.3132	0.169	1.85	0.064
Tryptophan (W)	0.5726	0.255	2.249	0.025
Tyrosine (Y)	0.2897	0.177	1.634	0.102
E6	0.5923	0.054	11.051	0.0

Table 167: Fields: Triplet-Both: isSwitch - E6 + isUnstruct

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:58 PDT 2019
Pseudo R-squ.:	0.02851
Log-Likelihood:	-5183.4
LL-Null:	-5335.5
LLR p-value:	8.792E-67

Table 168: Descriptors: Triplet-Both: isSwitch - E6 + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.4989	0.046	-54.037	0.0
E6	0.5217	0.054	9.722	0.0
isUnstruct	1.2123	0.091	13.321	0.0

Table 169: Fields: Triplet-Both: isSwitch - E6 + Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:58 PDT 2019
Pseudo R-squ.:	0.01306
Log-Likelihood:	-5265.8
LL-Null:	-5335.5
LLR p-value:	5.439E-31

Table 170: Descriptors: Triplet-Both: isSwitch - E6 + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.2921	0.063	-36.526	0.0
E6	0.6293	0.053	11.983	0.0
Vkabat	0.0154	0.016	0.967	0.333

Table 171: Fields: Triplet-Both: isSwitch - E20 + Residue Type

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:28:58 PDT 2019
Pseudo R-squ.:	0.02012
Log-Likelihood:	-5228.2
LL-Null:	-5335.5
LLR p-value:	1.389E-34

Table 172: Descriptors: Triplet-Both: isSwitch - E20 + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.7555	0.124	-22.215	0.0
Alanine (A)	0.4817	0.15	3.207	0.001
Arginine (R)	0.4322	0.163	2.655	0.008
Asparagine (N)	0.6082	0.166	3.669	0.0
Aspartic acid (D)	0.6594	0.154	4.277	0.0
Cysteine (C)	0.3492	0.273	1.281	0.2
Glutamine (Q)	0.6711	0.147	4.553	0.0
Glutamic acid (E)	0.6633	0.165	4.018	0.0
Glycine (G)	0.0586	0.168	0.348	0.728
Histidine (H)	0.419	0.199	2.102	0.036
Isoleucine (I)	0.1923	0.167	1.151	0.25
Leucine (L)	0.3571	0.145	2.456	0.014
Lysine (K)	0.7546	0.15	5.03	0.0
Methionine (M)	0.7313	0.197	3.718	0.0
Phenylalanine (F)	0.4551	0.175	2.594	0.009
Proline (P)	0.5216	0.174	3.003	0.003
Serine (S)	0.6922	0.152	4.557	0.0
Threonine (T)	0.3645	0.169	2.153	0.031
Tryptophan (W)	0.6574	0.255	2.579	0.01
Tyrosine (Y)	0.3407	0.178	1.919	0.055
E20	0.4186	0.036	11.629	0.0

Table 173: Fields: Triplet-Both: isSwitch - E20 + isUnstruct

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:58 PDT 2019
Pseudo R-squ.:	0.02967
Log-Likelihood:	-5177.2
LL-Null:	-5335.5
LLR p-value:	1.748E-69

Table 174: Descriptors: Triplet-Both: isSwitch - E20 + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.5628	0.049	-51.943	0.0
E20	0.3744	0.036	10.337	0.0
isUnstruct	1.2365	0.091	13.643	0.0

Table 175: Fields: Triplet-Both: isSwitch - E20 + Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:58 PDT 2019
Pseudo R-squ.:	0.01344
Log-Likelihood:	-5263.8
LL-Null:	-5335.5
LLR p-value:	7.074E-32

Table 176: Descriptors: Triplet-Both: isSwitch - E20 + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.33	0.064	-36.307	0.0
E20	0.4325	0.036	12.124	0.0
Vkabat	0.0106	0.016	0.665	0.506

Table 177: Fields: Triplet-Both: isSwitch - isUnstruct + Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:58 PDT 2019
Pseudo R-squ.:	0.02031
Log-Likelihood:	-5227.2
LL-Null:	-5335.5
LLR p-value:	8.833E-48

Table 178: Descriptors: Triplet-Both: isSwitch - isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.3494	0.062	-37.902	0.0
isUnstruct	1.3658	0.09	15.258	0.0
Vkabat	0.0336	0.016	2.094	0.036

Table 179: Fields: Triplet-Both: isSwitch - isUnstruct + Residue Type

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:28:58 PDT 2019
Pseudo R-squ.:	0.02437
Log-Likelihood:	-5205.5
LL-Null:	-5335.5
LLR p-value:	1.064E-43

Table 180: Descriptors: Triplet-Both: isSwitch - isUnstruct + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.6208	0.121	-21.706	0.0
Alanine (A)	0.425	0.151	2.823	0.005
Arginine (R)	0.3599	0.163	2.206	0.027
Asparagine (N)	0.5546	0.166	3.336	0.001
Aspartic acid (D)	0.6205	0.154	4.017	0.0
Cysteine (C)	0.4184	0.273	1.535	0.125
Glutamine (Q)	0.5466	0.148	3.691	0.0
Glutamic acid (E)	0.499	0.166	3.007	0.003
Glycine (G)	0.029	0.168	0.172	0.863
Histidine (H)	0.41	0.2	2.055	0.04
Isoleucine (I)	0.1875	0.167	1.121	0.262
Leucine (L)	0.2897	0.145	1.991	0.046
Lysine (K)	0.6132	0.151	4.067	0.0
Methionine (M)	0.4622	0.199	2.325	0.02
Phenylalanine (F)	0.4793	0.176	2.73	0.006
Proline (P)	0.3271	0.175	1.87	0.061
Serine (S)	0.5238	0.153	3.421	0.001
Threonine (T)	0.2929	0.17	1.726	0.084
Tryptophan (W)	0.6447	0.255	2.531	0.011
Tyrosine (Y)	0.3509	0.178	1.975	0.048
isUnstruct	1.2747	0.093	13.741	0.0

Table 181: Fields: Triplet-Both: isSwitch - Vkabat + Residue Type

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:28:58 PDT 2019
Pseudo R-squ.:	0.007885
Log-Likelihood:	-5293.4
LL-Null:	-5335.5
LLR p-value:	7.690E-10

Table 182: Descriptors: Triplet-Both: isSwitch - Vkabat + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.4315	0.13	-18.763	0.0
Alanine (A)	0.5122	0.15	3.419	0.001
Arginine (R)	0.469	0.162	2.895	0.004
Asparagine (N)	0.6389	0.165	3.867	0.0
Aspartic acid (D)	0.7175	0.154	4.671	0.0
Cysteine (C)	0.3526	0.271	1.299	0.194
Glutamine (Q)	0.7015	0.147	4.776	0.0
Glutamic acid (E)	0.6716	0.164	4.083	0.0
Glycine (G)	0.0689	0.168	0.41	0.682
Histidine (H)	0.4316	0.199	2.173	0.03
Isoleucine (I)	0.1742	0.167	1.046	0.295
Leucine (L)	0.3068	0.145	2.117	0.034
Lysine (K)	0.7688	0.149	5.144	0.0
Methionine (M)	0.7173	0.196	3.663	0.0
Phenylalanine (F)	0.3958	0.175	2.265	0.024
Proline (P)	0.5513	0.174	3.175	0.001
Serine (S)	0.737	0.151	4.872	0.0
Threonine (T)	0.3862	0.169	2.291	0.022
Tryptophan (W)	0.5261	0.254	2.073	0.038
Tyrosine (Y)	0.2655	0.177	1.501	0.133
Vkabat	0.0191	0.016	1.186	0.236

Table 183: Fields: Triplet-Both: isSwitch - E6 + isUnstruct + Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13793
Df Model:	3
Date:	Thu Apr 04 16:28:59 PDT 2019
Pseudo R-squ.:	0.02896
Log-Likelihood:	-5181.0
LL-Null:	-5335.5
LLR p-value:	1.115E-66

Table 184: Descriptors: Triplet-Both: isSwitch - E6 + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.6096	0.069	-37.949	0.0
E6	0.5231	0.054	9.747	0.0
isUnstruct	1.2324	0.091	13.474	0.0
Vkabat	0.0355	0.016	2.205	0.027

Table 185: Fields: Triplet-Both: isSwitch - E6 + Residue Type + Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:59 PDT 2019
Pseudo R-squ.:	0.01904
Log-Likelihood:	-5234.0
LL-Null:	-5335.5
LLR p-value:	8.758E-32

Table 186: Descriptors: Triplet-Both: isSwitch - E6 + Residue Type + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.705	0.133	-20.331	0.0
Alanine (A)	0.4241	0.151	2.816	0.005
Arginine (R)	0.3674	0.163	2.255	0.024
Asparagine (N)	0.5503	0.166	3.312	0.001
Aspartic acid (D)	0.6008	0.155	3.883	0.0
Cysteine (C)	0.3035	0.273	1.114	0.265
Glutamine (Q)	0.6048	0.148	4.093	0.0
Glutamic acid (E)	0.5827	0.165	3.524	0.0
Glycine (G)	-0.009	0.169	-0.053	0.957
Histidine (H)	0.3573	0.2	1.791	0.073
Isoleucine (I)	0.1852	0.167	1.109	0.268
Leucine (L)	0.3233	0.145	2.225	0.026
Lysine (K)	0.6921	0.15	4.605	0.0
Methionine (M)	0.7236	0.197	3.682	0.0
Phenylalanine (F)	0.4023	0.175	2.295	0.022
Proline (P)	0.4445	0.175	2.543	0.011
Serine (S)	0.6301	0.152	4.139	0.0
Threonine (T)	0.3147	0.169	1.858	0.063
Tryptophan (W)	0.5716	0.255	2.245	0.025
Tyrosine (Y)	0.293	0.177	1.652	0.099
E6	0.5927	0.054	11.06	0.0
Vkabat	0.0205	0.016	1.265	0.206

Table 187: Fields: Triplet-Both: isSwitch - E6 + Residue Type + isUnstruct

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:59 PDT 2019
Pseudo R-squ.:	0.03243
Log-Likelihood:	-5162.5
LL-Null:	-5335.5
LLR p-value:	1.243E-60

Table 188: Descriptors: Triplet-Both: isSwitch - E6 + Residue Type + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.8315	0.123	-22.929	0.0
Alanine (A)	0.3542	0.151	2.343	0.019
Arginine (R)	0.2795	0.164	1.705	0.088
Asparagine (N)	0.4826	0.167	2.89	0.004
Aspartic acid (D)	0.5269	0.155	3.393	0.001
Cysteine (C)	0.3668	0.274	1.34	0.18
Glutamine (Q)	0.4793	0.149	3.225	0.001
Glutamic acid (E)	0.4433	0.166	2.664	0.008
Glycine (G)	-0.042	0.169	-0.248	0.804
Histidine (H)	0.342	0.201	1.705	0.088
Isoleucine (I)	0.1943	0.168	1.159	0.247
Leucine (L)	0.3016	0.146	2.067	0.039
Lysine (K)	0.5623	0.151	3.718	0.0
Methionine (M)	0.4929	0.199	2.477	0.013
Phenylalanine (F)	0.4777	0.176	2.715	0.007
Proline (P)	0.2508	0.176	1.428	0.153
Serine (S)	0.4457	0.154	2.897	0.004
Threonine (T)	0.2402	0.17	1.411	0.158
Tryptophan (W)	0.6725	0.255	2.632	0.008
Tyrosine (Y)	0.3675	0.178	2.064	0.039
E6	0.5115	0.054	9.388	0.0
isUnstruct	1.1651	0.094	12.375	0.0

Table 189: Fields: Triplet-Both: isSwitch - E20 + isUnstruct + Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13793
Df Model:	3
Date:	Thu Apr 04 16:28:59 PDT 2019
Pseudo R-squ.:	0.03002
Log-Likelihood:	-5175.3
LL-Null:	-5335.5
LLR p-value:	3.938E-69

Table 190: Descriptors: Triplet-Both: isSwitch - E20 + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.658	0.07	-37.888	0.0
E20	0.3731	0.036	10.303	0.0
isUnstruct	1.2543	0.091	13.767	0.0
Vkabat	0.0312	0.016	1.932	0.053

Table 191: Fields: Triplet-Both: isSwitch - E20 + Residue Type + Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:29:00 PDT 2019
Pseudo R-squ.:	0.02022
Log-Likelihood:	-5227.6
LL-Null:	-5335.5
LLR p-value:	2.766E-34

Table 192: Descriptors: Triplet-Both: isSwitch - E20 + Residue Type + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.8113	0.135	-20.857	0.0
Alanine (A)	0.49	0.15	3.257	0.001
Arginine (R)	0.433	0.163	2.66	0.008
Asparagine (N)	0.6167	0.166	3.715	0.0
Aspartic acid (D)	0.6684	0.154	4.328	0.0
Cysteine (C)	0.351	0.273	1.287	0.198
Glutamine (Q)	0.6778	0.148	4.594	0.0
Glutamic acid (E)	0.6704	0.165	4.057	0.0
Glycine (G)	0.0706	0.169	0.418	0.676
Histidine (H)	0.4209	0.199	2.111	0.035
Isoleucine (I)	0.1918	0.167	1.148	0.251
Leucine (L)	0.3624	0.145	2.491	0.013
Lysine (K)	0.7615	0.15	5.071	0.0
Methionine (M)	0.7362	0.197	3.742	0.0
Phenylalanine (F)	0.4557	0.175	2.597	0.009
Proline (P)	0.5387	0.174	3.087	0.002
Serine (S)	0.6971	0.152	4.586	0.0
Threonine (T)	0.3652	0.169	2.157	0.031
Tryptophan (W)	0.6559	0.255	2.573	0.01
Tyrosine (Y)	0.343	0.178	1.931	0.053
E20	0.418	0.036	11.616	0.0
Vkabat	0.0173	0.016	1.065	0.287

Table 193: Fields: Triplet-Both: isSwitch - E20 + Residue Type + isUnstruct

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:29:00 PDT 2019
Pseudo R-squ.:	0.034
Log-Likelihood:	-5154.1
LL-Null:	-5335.5
LLR p-value:	4.336E-64

Table 194: Descriptors: Triplet-Both: isSwitch - E20 + Residue Type + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.946	0.126	-23.417	0.0
Alanine (A)	0.4097	0.151	2.712	0.007
Arginine (R)	0.3325	0.164	2.03	0.042
Asparagine (N)	0.5379	0.167	3.222	0.001
Aspartic acid (D)	0.5824	0.155	3.755	0.0
Cysteine (C)	0.4082	0.274	1.491	0.136
Glutamine (Q)	0.5397	0.149	3.634	0.0
Glutamic acid (E)	0.5173	0.166	3.109	0.002
Glycine (G)	0.0285	0.169	0.169	0.866
Histidine (H)	0.3959	0.2	1.975	0.048
Isoleucine (I)	0.1987	0.168	1.184	0.236
Leucine (L)	0.337	0.146	2.308	0.021
Lysine (K)	0.6206	0.151	4.103	0.0
Methionine (M)	0.5023	0.199	2.521	0.012
Phenylalanine (F)	0.5259	0.176	2.986	0.003
Proline (P)	0.3321	0.175	1.892	0.058
Serine (S)	0.5002	0.154	3.254	0.001
Threonine (T)	0.2803	0.17	1.646	0.1
Tryptophan (W)	0.7499	0.256	2.932	0.003
Tyrosine (Y)	0.4137	0.178	2.321	0.02
E20	0.3738	0.036	10.254	0.0
isUnstruct	1.1789	0.094	12.537	0.0

Table 195: Fields: Triplet-Both: isSwitch - Residue Type + isUnstruct + Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:29:00 PDT 2019
Pseudo R-squ.:	0.02486
Log-Likelihood:	-5202.9
LL-Null:	-5335.5
LLR p-value:	3.406E-44

Table 196: Descriptors: Triplet-Both: isSwitch - Residue Type + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.7487	0.133	-20.622	0.0
Alanine (A)	0.4433	0.151	2.939	0.003
Arginine (R)	0.3604	0.163	2.208	0.027
Asparagine (N)	0.5752	0.167	3.455	0.001
Aspartic acid (D)	0.6398	0.155	4.135	0.0
Cysteine (C)	0.4254	0.273	1.561	0.119
Glutamine (Q)	0.562	0.148	3.791	0.0
Glutamic acid (E)	0.5155	0.166	3.103	0.002
Glycine (G)	0.0567	0.169	0.336	0.737
Histidine (H)	0.4158	0.2	2.083	0.037
Isoleucine (I)	0.1861	0.167	1.112	0.266
Leucine (L)	0.3023	0.146	2.075	0.038
Lysine (K)	0.6275	0.151	4.157	0.0
Methionine (M)	0.4707	0.199	2.367	0.018
Phenylalanine (F)	0.4835	0.176	2.754	0.006
Proline (P)	0.3628	0.176	2.066	0.039
Serine (S)	0.5337	0.153	3.484	0.0
Threonine (T)	0.2937	0.17	1.73	0.084
Tryptophan (W)	0.6437	0.255	2.526	0.012
Tyrosine (Y)	0.3575	0.178	2.011	0.044
isUnstruct	1.293	0.093	13.891	0.0
Vkabat	0.0376	0.016	2.304	0.021

Table 197: Fields: Triplet-Both: isSwitch - E6 + Residue Type + isUnstruct + Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13774
Df Model:	22
Date:	Thu Apr 04 16:29:00 PDT 2019
Pseudo R-squ.:	0.03291
Log-Likelihood:	-5159.9
LL-Null:	-5335.5
LLR p-value:	4.395E-61

Table 198: Descriptors: Triplet-Both: isSwitch - E6 + Residue Type + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.9604	0.136	-21.745	0.0
Alanine (A)	0.3737	0.152	2.467	0.014
Arginine (R)	0.2817	0.164	1.717	0.086
Asparagine (N)	0.5043	0.167	3.014	0.003
Aspartic acid (D)	0.5485	0.156	3.525	0.0
Cysteine (C)	0.3752	0.274	1.37	0.171
Glutamine (Q)	0.4953	0.149	3.328	0.001
Glutamic acid (E)	0.4608	0.167	2.766	0.006
Glycine (G)	-0.0116	0.17	-0.068	0.945
Histidine (H)	0.3492	0.201	1.741	0.082
Isoleucine (I)	0.1939	0.168	1.156	0.248
Leucine (L)	0.3147	0.146	2.155	0.031
Lysine (K)	0.5781	0.151	3.817	0.0
Methionine (M)	0.5026	0.199	2.524	0.012
Phenylalanine (F)	0.4826	0.176	2.741	0.006
Proline (P)	0.2883	0.176	1.634	0.102
Serine (S)	0.4572	0.154	2.97	0.003
Threonine (T)	0.2433	0.17	1.428	0.153
Tryptophan (W)	0.6734	0.256	2.635	0.008
Tyrosine (Y)	0.3757	0.178	2.109	0.035
E6	0.5112	0.054	9.386	0.0
isUnstruct	1.1839	0.094	12.53	0.0
Vkabat	0.0375	0.016	2.294	0.022

Table 199: Fields: Triplet-Both: isSwitch - E20 + Residue Type + isUnstruct + Vkabat

Field	Value
Accuracy:	84.17422867513612
Df Residuals:	13774
Df Model:	22
Date:	Thu Apr 04 16:29:00 PDT 2019
Pseudo R-squ.:	0.03441
Log-Likelihood:	-5151.9
LL-Null:	-5335.5
LLR p-value:	2.303E-64

Table 200: Descriptors: Triplet-Both: isSwitch - E20 + Residue Type + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-3.062	0.138	-22.227	0.0
Alanine (A)	0.4268	0.151	2.819	0.005
Arginine (R)	0.3338	0.164	2.037	0.042
Asparagine (N)	0.5567	0.167	3.33	0.001
Aspartic acid (D)	0.6015	0.155	3.871	0.0
Cysteine (C)	0.4151	0.274	1.516	0.13
Glutamine (Q)	0.5536	0.149	3.723	0.0
Glutamic acid (E)	0.5323	0.167	3.195	0.001
Glycine (G)	0.0552	0.169	0.326	0.744
Histidine (H)	0.4017	0.201	2.003	0.045
Isoleucine (I)	0.1978	0.168	1.178	0.239
Leucine (L)	0.3482	0.146	2.382	0.017
Lysine (K)	0.6342	0.151	4.187	0.0
Methionine (M)	0.5104	0.199	2.561	0.01
Phenylalanine (F)	0.5295	0.176	3.005	0.003
Proline (P)	0.3657	0.176	2.075	0.038
Serine (S)	0.51	0.154	3.315	0.001
Threonine (T)	0.2822	0.17	1.657	0.098
Tryptophan (W)	0.7495	0.256	2.93	0.003
Tyrosine (Y)	0.4204	0.178	2.358	0.018
E20	0.372	0.036	10.209	0.0
isUnstruct	1.1961	0.094	12.675	0.0
Vkabat	0.0345	0.016	2.103	0.035

Table 201: Fields: Triplet-Assigned: isSwitch - Residue Type

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13777
Df Model:	19
Date:	Thu Apr 04 16:28:50 PDT 2019
Pseudo R-squ.:	0.005799
Log-Likelihood:	-4187.2
LL-Null:	-4211.6
LLR p-value:	0.0001935

Table 202: Descriptors: Triplet-Assigned: isSwitch - Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.5673	0.129	-19.947	0.0
Alanine (A)	0.1842	0.171	1.079	0.281
Arginine (R)	0.3808	0.178	2.135	0.033
Asparagine (N)	0.3589	0.188	1.908	0.056
Aspartic acid (D)	0.4351	0.173	2.51	0.012
Cysteine (C)	0.1283	0.317	0.405	0.685
Glutamine (Q)	0.5342	0.162	3.293	0.001
Glutamic acid (E)	0.4745	0.184	2.579	0.01
Glycine (G)	-0.3602	0.201	-1.79	0.073
Histidine (H)	0.345	0.22	1.571	0.116
Isoleucine (I)	0.0797	0.184	0.432	0.666
Leucine (L)	0.1754	0.16	1.097	0.273
Lysine (K)	0.4458	0.169	2.636	0.008
Methionine (M)	0.3481	0.231	1.505	0.132
Phenylalanine (F)	0.4163	0.188	2.21	0.027
Proline (P)	0.2354	0.2	1.178	0.239
Serine (S)	0.3714	0.173	2.146	0.032
Threonine (T)	0.0556	0.197	0.283	0.777
Tryptophan (W)	0.5078	0.276	1.843	0.065
Tyrosine (Y)	0.2757	0.191	1.441	0.149

Table 203: Fields: Triplet-Assigned: isSwitch - E6

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:28:51 PDT 2019
Pseudo R-squ.:	0.004821
Log-Likelihood:	-4191.3
LL-Null:	-4211.6
LLR p-value:	1.858E-10

Table 204: Descriptors: Triplet-Assigned: isSwitch - E6

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.5152	0.046	-54.385	0.0
E6	0.4016	0.062	6.478	0.0

Table 205: Fields: Triplet-Assigned: isSwitch - E20

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:28:51 PDT 2019
Pseudo R-squ.:	0.005291
Log-Likelihood:	-4189.4
LL-Null:	-4211.6
LLR p-value:	2.458E-11

Table 206: Descriptors: Triplet-Assigned: isSwitch - E20

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.5562	0.05	-51.175	0.0
E20	0.2844	0.042	6.774	0.0

Table 207: Fields: Triplet-Assigned: isSwitch - isUnstruct

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:28:51 PDT 2019
Pseudo R-squ.:	7.535E-6
Log-Likelihood:	-4211.6
LL-Null:	-4211.6
LLR p-value:	0.8011

Table 208: Descriptors: Triplet-Assigned: isSwitch - isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.2925	0.04	-57.319	0.0
isUnstruct	-0.0303	0.121	-0.252	0.801

Table 209: Fields: Triplet-Assigned: isSwitch - Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:28:51 PDT 2019
Pseudo R-squ.:	0.00208
Log-Likelihood:	-4202.9
LL-Null:	-4211.6
LLR p-value:	0.00002848

Table 210: Descriptors: Triplet-Assigned: isSwitch - Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.5291	0.063	-40.079	0.0
Vkabat	0.0761	0.018	4.234	0.0

Table 211: Fields: Triplet-Assigned: isSwitch - E6 + Residue Type

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:28:51 PDT 2019
Pseudo R-squ.:	0.01017
Log-Likelihood:	-4168.8
LL-Null:	-4211.6
LLR p-value:	4.134E-10

Table 212: Descriptors: Triplet-Assigned: isSwitch - E6 + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.7385	0.132	-20.72	0.0
Alanine (A)	0.1245	0.171	0.728	0.467
Arginine (R)	0.3141	0.179	1.755	0.079
Asparagine (N)	0.2989	0.189	1.584	0.113
Aspartic acid (D)	0.3561	0.174	2.046	0.041
Cysteine (C)	0.0954	0.317	0.301	0.763
Glutamine (Q)	0.4695	0.163	2.884	0.004
Glutamic acid (E)	0.4145	0.185	2.247	0.025
Glycine (G)	-0.4124	0.202	-2.045	0.041
Histidine (H)	0.2955	0.22	1.343	0.179
Isoleucine (I)	0.0857	0.185	0.464	0.642
Leucine (L)	0.1846	0.16	1.153	0.249
Lysine (K)	0.3927	0.17	2.316	0.021
Methionine (M)	0.3487	0.232	1.506	0.132
Phenylalanine (F)	0.4194	0.189	2.224	0.026
Proline (P)	0.1634	0.2	0.815	0.415
Serine (S)	0.2986	0.174	1.719	0.086
Threonine (T)	0.0075	0.197	0.038	0.97
Tryptophan (W)	0.5352	0.276	1.94	0.052
Tyrosine (Y)	0.2918	0.191	1.524	0.128
E6	0.3898	0.063	6.158	0.0

Table 213: Fields: Triplet-Assigned: isSwitch - E6 + isUnstruct

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:51 PDT 2019
Pseudo R-squ.:	0.005033
Log-Likelihood:	-4190.4
LL-Null:	-4211.6
LLR p-value:	6.221E-10

Table 214: Descriptors: Triplet-Assigned: isSwitch - E6 + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.4863	0.051	-48.777	0.0
E6	0.4159	0.063	6.613	0.0
isUnstruct	-0.1637	0.124	-1.325	0.185

Table 215: Fields: Triplet-Assigned: isSwitch - E6 + Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:51 PDT 2019
Pseudo R-squ.:	0.007041
Log-Likelihood:	-4182.0
LL-Null:	-4211.6
LLR p-value:	1.320E-13

Table 216: Descriptors: Triplet-Assigned: isSwitch - E6 + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.7563	0.073	-37.671	0.0
E6	0.4078	0.062	6.572	0.0
Vkabat	0.0788	0.018	4.376	0.0

Table 217: Fields: Triplet-Assigned: isSwitch - E20 + Residue Type

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:28:52 PDT 2019
Pseudo R-squ.:	0.01091
Log-Likelihood:	-4165.7
LL-Null:	-4211.6
LLR p-value:	3.426E-11

Table 218: Descriptors: Triplet-Assigned: isSwitch - E20 + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.821	0.135	-20.898	0.0
Alanine (A)	0.1681	0.171	0.984	0.325
Arginine (R)	0.3563	0.179	1.994	0.046
Asparagine (N)	0.3429	0.188	1.82	0.069
Aspartic acid (D)	0.4003	0.174	2.304	0.021
Cysteine (C)	0.1267	0.317	0.4	0.69
Glutamine (Q)	0.5176	0.162	3.185	0.001
Glutamic acid (E)	0.4727	0.184	2.565	0.01
Glycine (G)	-0.3594	0.201	-1.784	0.074
Histidine (H)	0.3368	0.22	1.531	0.126
Isoleucine (I)	0.0906	0.185	0.491	0.624
Leucine (L)	0.2121	0.16	1.324	0.186
Lysine (K)	0.4388	0.169	2.59	0.01
Methionine (M)	0.358	0.232	1.545	0.122
Phenylalanine (F)	0.4556	0.189	2.414	0.016
Proline (P)	0.2265	0.2	1.132	0.258
Serine (S)	0.3421	0.173	1.973	0.048
Threonine (T)	0.0403	0.197	0.205	0.838
Tryptophan (W)	0.592	0.276	2.144	0.032
Tyrosine (Y)	0.3262	0.192	1.702	0.089
E20	0.2817	0.042	6.653	0.0

Table 219: Fields: Triplet-Assigned: isSwitch - E20 + isUnstruct

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:52 PDT 2019
Pseudo R-squ.:	0.005452
Log-Likelihood:	-4188.7
LL-Null:	-4211.6
LLR p-value:	1.065E-10

Table 220: Descriptors: Triplet-Assigned: isSwitch - E20 + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.5306	0.054	-46.442	0.0
E20	0.2913	0.042	6.87	0.0
isUnstruct	-0.1422	0.123	-1.157	0.247

Table 221: Fields: Triplet-Assigned: isSwitch - E20 + Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:52 PDT 2019
Pseudo R-squ.:	0.007355
Log-Likelihood:	-4180.7
LL-Null:	-4211.6
LLR p-value:	3.529E-14

Table 222: Descriptors: Triplet-Assigned: isSwitch - E20 + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.7847	0.075	-37.227	0.0
E20	0.2836	0.042	6.764	0.0
Vkabat	0.076	0.018	4.218	0.0

Table 223: Fields: Triplet-Assigned: isSwitch - isUnstruct + Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:28:52 PDT 2019
Pseudo R-squ.:	0.002082
Log-Likelihood:	-4202.9
LL-Null:	-4211.6
LLR p-value:	0.0001558

Table 224: Descriptors: Triplet-Assigned: isSwitch - isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.5334	0.071	-35.756	0.0
isUnstruct	0.0158	0.121	0.131	0.896
Vkabat	0.0764	0.018	4.228	0.0

Table 225: Fields: Triplet-Assigned: isSwitch - isUnstruct + Residue Type

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:28:52 PDT 2019
Pseudo R-squ.:	0.005919
Log-Likelihood:	-4186.7
LL-Null:	-4211.6
LLR p-value:	0.0002321

Table 226: Descriptors: Triplet-Assigned: isSwitch - isUnstruct + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.5462	0.13	-19.528	0.0
Alanine (A)	0.1915	0.171	1.121	0.262
Arginine (R)	0.3909	0.179	2.189	0.029
Asparagine (N)	0.3657	0.188	1.943	0.052
Aspartic acid (D)	0.4437	0.174	2.557	0.011
Cysteine (C)	0.123	0.317	0.389	0.698
Glutamine (Q)	0.5479	0.163	3.366	0.001
Glutamic acid (E)	0.4896	0.185	2.653	0.008
Glycine (G)	-0.3576	0.201	-1.777	0.076
Histidine (H)	0.3476	0.22	1.583	0.114
Isoleucine (I)	0.0789	0.184	0.428	0.669
Leucine (L)	0.1768	0.16	1.105	0.269
Lysine (K)	0.4593	0.17	2.707	0.007
Methionine (M)	0.3698	0.232	1.592	0.111
Phenylalanine (F)	0.4099	0.188	2.174	0.03
Proline (P)	0.2539	0.201	1.266	0.206
Serine (S)	0.3904	0.174	2.243	0.025
Threonine (T)	0.064	0.197	0.325	0.745
Tryptophan (W)	0.4986	0.276	1.809	0.07
Tyrosine (Y)	0.2689	0.191	1.405	0.16
isUnstruct	-0.1253	0.125	-1.001	0.317

Table 227: Fields: Triplet-Assigned: isSwitch - Vkabat + Residue Type

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:28:52 PDT 2019
Pseudo R-squ.:	0.007938
Log-Likelihood:	-4178.2
LL-Null:	-4211.6
LLR p-value:	5.877E-7

Table 228: Descriptors: Triplet-Assigned: isSwitch - Vkabat + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.8271	0.143	-19.762	0.0
Alanine (A)	0.221	0.171	1.292	0.196
Arginine (R)	0.3823	0.178	2.142	0.032
Asparagine (N)	0.3988	0.188	2.116	0.034
Aspartic acid (D)	0.4737	0.174	2.727	0.006
Cysteine (C)	0.1348	0.317	0.426	0.67
Glutamine (Q)	0.5661	0.163	3.483	0.0
Glutamic acid (E)	0.5075	0.184	2.754	0.006
Glycine (G)	-0.3092	0.202	-1.533	0.125
Histidine (H)	0.3526	0.22	1.604	0.109
Isoleucine (I)	0.0765	0.185	0.415	0.679
Leucine (L)	0.1995	0.16	1.246	0.213
Lysine (K)	0.4769	0.169	2.815	0.005
Methionine (M)	0.3696	0.232	1.596	0.11
Phenylalanine (F)	0.4203	0.189	2.23	0.026
Proline (P)	0.3124	0.201	1.556	0.12
Serine (S)	0.3922	0.173	2.263	0.024
Threonine (T)	0.0548	0.197	0.278	0.781
Tryptophan (W)	0.4988	0.276	1.809	0.07
Tyrosine (Y)	0.2849	0.191	1.488	0.137
Vkabat	0.0783	0.018	4.293	0.0

Table 229: Fields: Triplet-Assigned: isSwitch - E6 + isUnstruct + Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13793
Df Model:	3
Date:	Thu Apr 04 16:28:53 PDT 2019
Pseudo R-squ.:	0.007146
Log-Likelihood:	-4181.5
LL-Null:	-4211.6
LLR p-value:	5.338E-13

Table 230: Descriptors: Triplet-Assigned: isSwitch - E6 + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.7308	0.078	-35.043	0.0
E6	0.4177	0.063	6.639	0.0
isUnstruct	-0.1158	0.124	-0.935	0.35
Vkabat	0.0772	0.018	4.268	0.0

Table 231: Fields: Triplet-Assigned: isSwitch - E6 + Residue Type + Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:53 PDT 2019
Pseudo R-squ.:	0.01234
Log-Likelihood:	-4159.7
LL-Null:	-4211.6
LLR p-value:	5.833E-13

Table 232: Descriptors: Triplet-Assigned: isSwitch - E6 + Residue Type + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-3.0029	0.147	-20.476	0.0
Alanine (A)	0.1639	0.171	0.956	0.339
Arginine (R)	0.3185	0.179	1.779	0.075
Asparagine (N)	0.3413	0.189	1.806	0.071
Aspartic acid (D)	0.3993	0.174	2.289	0.022
Cysteine (C)	0.1048	0.317	0.331	0.741
Glutamine (Q)	0.5029	0.163	3.082	0.002
Glutamic acid (E)	0.4497	0.185	2.433	0.015
Glycine (G)	-0.3555	0.202	-1.758	0.079
Histidine (H)	0.3061	0.22	1.39	0.165
Isoleucine (I)	0.0844	0.185	0.457	0.648
Leucine (L)	0.2103	0.16	1.311	0.19
Lysine (K)	0.4267	0.17	2.512	0.012
Methionine (M)	0.3727	0.232	1.607	0.108
Phenylalanine (F)	0.4249	0.189	2.251	0.024
Proline (P)	0.2445	0.201	1.214	0.225
Serine (S)	0.3231	0.174	1.858	0.063
Threonine (T)	0.0111	0.197	0.056	0.955
Tryptophan (W)	0.5297	0.276	1.918	0.055
Tyrosine (Y)	0.3041	0.192	1.587	0.113
E6	0.3906	0.063	6.173	0.0
Vkabat	0.0788	0.018	4.315	0.0

Table 233: Fields: Triplet-Assigned: isSwitch - E6 + Residue Type + isUnstruct

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:53 PDT 2019
Pseudo R-squ.:	0.01058
Log-Likelihood:	-4167.1
LL-Null:	-4211.6
LLR p-value:	2.316E-10

Table 234: Descriptors: Triplet-Assigned: isSwitch - E6 + Residue Type + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.7064	0.133	-20.305	0.0
Alanine (A)	0.1357	0.171	0.793	0.428
Arginine (R)	0.3303	0.179	1.843	0.065
Asparagine (N)	0.3092	0.189	1.638	0.101
Aspartic acid (D)	0.3686	0.174	2.116	0.034
Cysteine (C)	0.0847	0.317	0.267	0.789
Glutamine (Q)	0.4915	0.163	3.011	0.003
Glutamic acid (E)	0.4387	0.185	2.371	0.018
Glycine (G)	-0.4091	0.202	-2.028	0.043
Histidine (H)	0.299	0.22	1.359	0.174
Isoleucine (I)	0.0846	0.185	0.458	0.647
Leucine (L)	0.1879	0.16	1.174	0.241
Lysine (K)	0.4149	0.17	2.44	0.015
Methionine (M)	0.388	0.233	1.668	0.095
Phenylalanine (F)	0.4076	0.189	2.16	0.031
Proline (P)	0.1946	0.201	0.968	0.333
Serine (S)	0.3312	0.175	1.897	0.058
Threonine (T)	0.0209	0.197	0.106	0.916
Tryptophan (W)	0.5195	0.276	1.882	0.06
Tyrosine (Y)	0.2797	0.192	1.46	0.144
E6	0.4058	0.064	6.354	0.0
isUnstruct	-0.2317	0.127	-1.819	0.069

Table 235: Fields: Triplet-Assigned: isSwitch - E20 + isUnstruct + Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13793
Df Model:	3
Date:	Thu Apr 04 16:28:53 PDT 2019
Pseudo R-squ.:	0.007427
Log-Likelihood:	-4180.4
LL-Null:	-4211.6
LLR p-value:	1.665E-13

Table 236: Descriptors: Triplet-Assigned: isSwitch - E20 + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.7634	0.08	-34.738	0.0
E20	0.2883	0.042	6.806	0.0
isUnstruct	-0.096	0.123	-0.779	0.436
Vkabat	0.0746	0.018	4.125	0.0

Table 237: Fields: Triplet-Assigned: isSwitch - E20 + Residue Type + Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:53 PDT 2019
Pseudo R-squ.:	0.01298
Log-Likelihood:	-4157.0
LL-Null:	-4211.6
LLR p-value:	6.314E-14

Table 238: Descriptors: Triplet-Assigned: isSwitch - E20 + Residue Type + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-3.0752	0.149	-20.682	0.0
Alanine (A)	0.2049	0.171	1.197	0.231
Arginine (R)	0.3592	0.179	2.009	0.045
Asparagine (N)	0.3824	0.189	2.026	0.043
Aspartic acid (D)	0.4414	0.174	2.536	0.011
Cysteine (C)	0.1345	0.317	0.424	0.671
Glutamine (Q)	0.5487	0.163	3.37	0.001
Glutamic acid (E)	0.5052	0.185	2.737	0.006
Glycine (G)	-0.3059	0.202	-1.515	0.13
Histidine (H)	0.3454	0.22	1.569	0.117
Isoleucine (I)	0.0882	0.185	0.477	0.633
Leucine (L)	0.2355	0.16	1.468	0.142
Lysine (K)	0.4703	0.17	2.771	0.006
Methionine (M)	0.38	0.232	1.639	0.101
Phenylalanine (F)	0.459	0.189	2.43	0.015
Proline (P)	0.3043	0.201	1.513	0.13
Serine (S)	0.3644	0.174	2.099	0.036
Threonine (T)	0.0421	0.197	0.214	0.831
Tryptophan (W)	0.5844	0.276	2.114	0.034
Tyrosine (Y)	0.3367	0.192	1.755	0.079
E20	0.2792	0.042	6.602	0.0
Vkabat	0.077	0.018	4.216	0.0

Table 239: Fields: Triplet-Assigned: isSwitch - E20 + Residue Type + isUnstruct

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:53 PDT 2019
Pseudo R-squ.:	0.01128
Log-Likelihood:	-4164.1
LL-Null:	-4211.6
LLR p-value:	2.171E-11

Table 240: Descriptors: Triplet-Assigned: isSwitch - E20 + Residue Type + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.7916	0.136	-20.527	0.0
Alanine (A)	0.1809	0.171	1.057	0.29
Arginine (R)	0.3739	0.179	2.089	0.037
Asparagine (N)	0.355	0.189	1.883	0.06
Aspartic acid (D)	0.4146	0.174	2.384	0.017
Cysteine (C)	0.1178	0.317	0.371	0.71
Glutamine (Q)	0.5409	0.163	3.317	0.001
Glutamic acid (E)	0.4984	0.185	2.696	0.007
Glycine (G)	-0.3542	0.202	-1.758	0.079
Histidine (H)	0.342	0.22	1.555	0.12
Isoleucine (I)	0.0899	0.185	0.487	0.626
Leucine (L)	0.2162	0.16	1.349	0.177
Lysine (K)	0.462	0.17	2.719	0.007
Methionine (M)	0.3959	0.233	1.701	0.089
Phenylalanine (F)	0.4456	0.189	2.36	0.018
Proline (P)	0.259	0.201	1.289	0.197
Serine (S)	0.3754	0.174	2.152	0.031
Threonine (T)	0.0549	0.197	0.279	0.781
Tryptophan (W)	0.5786	0.276	2.094	0.036
Tyrosine (Y)	0.3157	0.192	1.646	0.1
E20	0.2904	0.043	6.812	0.0
isUnstruct	-0.2216	0.127	-1.743	0.081

Table 241: Fields: Triplet-Assigned: isSwitch - Residue Type + isUnstruct + Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:28:54 PDT 2019
Pseudo R-squ.:	0.007991
Log-Likelihood:	-4178.0
LL-Null:	-4211.6
LLR p-value:	9.406E-7

Table 242: Descriptors: Triplet-Assigned: isSwitch - Residue Type + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.8093	0.145	-19.319	0.0
Alanine (A)	0.2252	0.171	1.316	0.188
Arginine (R)	0.3889	0.179	2.176	0.03
Asparagine (N)	0.4024	0.189	2.134	0.033
Aspartic acid (D)	0.4785	0.174	2.753	0.006
Cysteine (C)	0.1307	0.317	0.413	0.68
Glutamine (Q)	0.5745	0.163	3.525	0.0
Glutamic acid (E)	0.5168	0.185	2.797	0.005
Glycine (G)	-0.3086	0.202	-1.53	0.126
Histidine (H)	0.3539	0.22	1.61	0.107
Isoleucine (I)	0.076	0.185	0.412	0.681
Leucine (L)	0.2	0.16	1.249	0.212
Lysine (K)	0.4853	0.17	2.857	0.004
Methionine (M)	0.3836	0.232	1.65	0.099
Phenylalanine (F)	0.4157	0.189	2.204	0.028
Proline (P)	0.3234	0.201	1.606	0.108
Serine (S)	0.4042	0.174	2.32	0.02
Threonine (T)	0.0601	0.197	0.306	0.76
Tryptophan (W)	0.4926	0.276	1.785	0.074
Tyrosine (Y)	0.28	0.192	1.462	0.144
isUnstruct	-0.0841	0.125	-0.671	0.502
Vkabat	0.0773	0.018	4.225	0.0

Table 243: Fields: Triplet-Assigned: isSwitch - E6 + Residue Type + isUnstruct + Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13774
Df Model:	22
Date:	Thu Apr 04 16:28:54 PDT 2019
Pseudo R-squ.:	0.0126
Log-Likelihood:	-4158.6
LL-Null:	-4211.6
LLR p-value:	5.333E-13

Table 244: Descriptors: Triplet-Assigned: isSwitch - E6 + Residue Type + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.9684	0.148	-20.013	0.0
Alanine (A)	0.1715	0.172	0.999	0.318
Arginine (R)	0.3314	0.179	1.849	0.064
Asparagine (N)	0.3476	0.189	1.839	0.066
Aspartic acid (D)	0.4076	0.175	2.335	0.02
Cysteine (C)	0.0951	0.317	0.3	0.764
Glutamine (Q)	0.5191	0.164	3.175	0.001
Glutamic acid (E)	0.4675	0.185	2.524	0.012
Glycine (G)	-0.3554	0.202	-1.758	0.079
Histidine (H)	0.308	0.22	1.398	0.162
Isoleucine (I)	0.0836	0.185	0.452	0.651
Leucine (L)	0.212	0.16	1.322	0.186
Lysine (K)	0.4435	0.17	2.604	0.009
Methionine (M)	0.4035	0.233	1.733	0.083
Phenylalanine (F)	0.4147	0.189	2.195	0.028
Proline (P)	0.267	0.202	1.322	0.186
Serine (S)	0.3481	0.175	1.993	0.046
Threonine (T)	0.0214	0.197	0.108	0.914
Tryptophan (W)	0.5167	0.276	1.871	0.061
Tyrosine (Y)	0.2936	0.192	1.531	0.126
E6	0.4036	0.064	6.321	0.0
isUnstruct	-0.1892	0.128	-1.484	0.138
Vkabat	0.0765	0.018	4.176	0.0

Table 245: Fields: Triplet-Assigned: isSwitch - E20 + Residue Type + isUnstruct + Vkabat

Field	Value
Accuracy:	92.8130671506352
Df Residuals:	13774
Df Model:	22
Date:	Thu Apr 04 16:28:54 PDT 2019
Pseudo R-squ.:	0.01322
Log-Likelihood:	-4156.0
LL-Null:	-4211.6
LLR p-value:	6.359E-14

Table 246: Descriptors: Triplet-Assigned: isSwitch - E20 + Residue Type + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-3.0435	0.15	-20.261	0.0
Alanine (A)	0.2138	0.171	1.248	0.212
Arginine (R)	0.3732	0.179	2.084	0.037
Asparagine (N)	0.3903	0.189	2.066	0.039
Aspartic acid (D)	0.4511	0.174	2.59	0.01
Cysteine (C)	0.1263	0.317	0.398	0.691
Glutamine (Q)	0.566	0.163	3.467	0.001
Glutamic acid (E)	0.5243	0.185	2.832	0.005
Glycine (G)	-0.3042	0.202	-1.506	0.132
Histidine (H)	0.3487	0.22	1.584	0.113
Isoleucine (I)	0.0877	0.185	0.475	0.635
Leucine (L)	0.2379	0.16	1.482	0.138
Lysine (K)	0.4879	0.17	2.868	0.004
Methionine (M)	0.4097	0.233	1.759	0.079
Phenylalanine (F)	0.4503	0.189	2.383	0.017
Proline (P)	0.3278	0.202	1.625	0.104
Serine (S)	0.39	0.174	2.235	0.025
Threonine (T)	0.0533	0.197	0.27	0.787
Tryptophan (W)	0.5734	0.277	2.073	0.038
Tyrosine (Y)	0.3275	0.192	1.706	0.088
E20	0.2864	0.043	6.724	0.0
isUnstruct	-0.1804	0.127	-1.417	0.156
Vkabat	0.0749	0.018	4.083	0.0

Table 247: Fields: Triplet-Unassigned: isSwitch - Residue Type

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13777
Df Model:	19
Date:	Thu Apr 04 16:29:03 PDT 2019
Pseudo R-squ.:	0.01934
Log-Likelihood:	-2228.9
LL-Null:	-2272.8
LLR p-value:	7.686E-11

Table 248: Descriptors: Triplet-Unassigned: isSwitch - Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.2363	0.279	-15.165	0.0
Alanine (A)	1.2816	0.314	4.08	0.0
Arginine (R)	0.7269	0.356	2.039	0.041
Asparagine (N)	1.2989	0.336	3.862	0.0
Aspartic acid (D)	1.366	0.321	4.252	0.0
Cysteine (C)	0.9782	0.501	1.952	0.051
Glutamine (Q)	1.1071	0.321	3.451	0.001
Glutamic acid (E)	1.1558	0.344	3.361	0.001
Glycine (G)	1.0389	0.33	3.152	0.002
Histidine (H)	0.6867	0.425	1.615	0.106
Isoleucine (I)	0.51	0.363	1.404	0.16
Leucine (L)	0.7035	0.321	2.191	0.028
Lysine (K)	1.4819	0.314	4.722	0.0
Methionine (M)	1.5213	0.366	4.154	0.0
Phenylalanine (F)	0.2182	0.424	0.514	0.607
Proline (P)	1.2699	0.344	3.689	0.0
Serine (S)	1.5321	0.314	4.88	0.0
Threonine (T)	1.203	0.336	3.579	0.0
Tryptophan (W)	0.5228	0.578	0.904	0.366
Tyrosine (Y)	0.1605	0.424	0.379	0.705

Table 249: Fields: Triplet-Unassigned: isSwitch - E6

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:29:03 PDT 2019
Pseudo R-squ.:	0.0255
Log-Likelihood:	-2214.9
LL-Null:	-2272.8
LLR p-value:	5.018E-27

Table 250: Descriptors: Triplet-Unassigned: isSwitch - E6

Name	Beta	Std Err	Z-score	P-value
Intercept	-3.7797	0.075	-50.284	0.0
E6	0.9563	0.086	11.11	0.0

Table 251: Fields: Triplet-Unassigned: isSwitch - E20

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:29:03 PDT 2019
Pseudo R-squ.:	0.02508
Log-Likelihood:	-2215.8
LL-Null:	-2272.8
LLR p-value:	1.294E-26

Table 252: Descriptors: Triplet-Unassigned: isSwitch - E20

Name	Beta	Std Err	Z-score	P-value
Intercept	-3.8473	0.081	-47.643	0.0
E20	0.6464	0.059	10.973	0.0

Table 253: Fields: Triplet-Unassigned: isSwitch - isUnstruct

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:29:03 PDT 2019
Pseudo R-squ.:	0.1185
Log-Likelihood:	-2003.5
LL-Null:	-2272.8
LLR p-value:	3.552E-119

Table 254: Descriptors: Triplet-Unassigned: isSwitch - isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.3158	0.079	-54.549	0.0
isUnstruct	3.2374	0.135	23.957	0.0

Table 255: Fields: Triplet-Unassigned: isSwitch - Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13795
Df Model:	1
Date:	Thu Apr 04 16:29:03 PDT 2019
Pseudo R-squ.:	0.005996
Log-Likelihood:	-2259.2
LL-Null:	-2272.8
LLR p-value:	1.782E-7

Table 256: Descriptors: Triplet-Unassigned: isSwitch - Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-2.7771	0.091	-30.461	0.0
Vkabat	-0.1543	0.031	-5.047	0.0

Table 257: Fields: Triplet-Unassigned: isSwitch - E6 + Residue Type

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:29:03 PDT 2019
Pseudo R-squ.:	0.03989
Log-Likelihood:	-2182.2
LL-Null:	-2272.8
LLR p-value:	5.301E-28

Table 258: Descriptors: Triplet-Unassigned: isSwitch - E6 + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.6584	0.284	-16.402	0.0
Alanine (A)	1.1431	0.315	3.628	0.0
Arginine (R)	0.5589	0.358	1.562	0.118
Asparagine (N)	1.1544	0.338	3.42	0.001
Aspartic acid (D)	1.1767	0.323	3.647	0.0
Cysteine (C)	0.8955	0.503	1.781	0.075
Glutamine (Q)	0.9472	0.322	2.942	0.003
Glutamic acid (E)	1.0112	0.345	2.931	0.003
Glycine (G)	0.9138	0.331	2.764	0.006
Histidine (H)	0.5655	0.426	1.326	0.185
Isoleucine (I)	0.5263	0.364	1.447	0.148
Leucine (L)	0.7276	0.322	2.262	0.024
Lysine (K)	1.3544	0.315	4.301	0.0
Methionine (M)	1.5304	0.367	4.167	0.0
Phenylalanine (F)	0.2239	0.425	0.527	0.598
Proline (P)	1.0954	0.346	3.168	0.002
Serine (S)	1.3625	0.315	4.323	0.0
Threonine (T)	1.0863	0.337	3.222	0.001
Tryptophan (W)	0.5892	0.579	1.018	0.309
Tyrosine (Y)	0.2014	0.424	0.474	0.635
E6	0.8705	0.088	9.907	0.0

Table 259: Fields: Triplet-Unassigned: isSwitch - E6 + isUnstruct

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:29:03 PDT 2019
Pseudo R-squ.:	0.1308
Log-Likelihood:	-1975.5
LL-Null:	-2272.8
LLR p-value:	7.542E-130

Table 260: Descriptors: Triplet-Unassigned: isSwitch - E6 + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.6924	0.098	-47.882	0.0
E6	0.6939	0.091	7.615	0.0
isUnstruct	3.1087	0.138	22.576	0.0

Table 261: Fields: Triplet-Unassigned: isSwitch - E6 + Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:29:03 PDT 2019
Pseudo R-squ.:	0.03102
Log-Likelihood:	-2202.3
LL-Null:	-2272.8
LLR p-value:	2.428E-31

Table 262: Descriptors: Triplet-Unassigned: isSwitch - E6 + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-3.3636	0.11	-30.451	0.0
E6	0.9487	0.086	11.001	0.0
Vkabat	-0.1486	0.031	-4.85	0.0

Table 263: Fields: Triplet-Unassigned: isSwitch - E20 + Residue Type

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:29:04 PDT 2019
Pseudo R-squ.:	0.04124
Log-Likelihood:	-2179.1
LL-Null:	-2272.8
LLR p-value:	3.345E-29

Table 264: Descriptors: Triplet-Unassigned: isSwitch - E20 + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.8271	0.287	-16.802	0.0
Alanine (A)	1.2457	0.315	3.957	0.0
Arginine (R)	0.6605	0.357	1.848	0.065
Asparagine (N)	1.2585	0.337	3.731	0.0
Aspartic acid (D)	1.2836	0.322	3.984	0.0
Cysteine (C)	0.9676	0.503	1.925	0.054
Glutamine (Q)	1.0604	0.322	3.298	0.001
Glutamic acid (E)	1.1445	0.345	3.32	0.001
Glycine (G)	1.0423	0.33	3.156	0.002
Histidine (H)	0.6658	0.426	1.562	0.118
Isoleucine (I)	0.5352	0.364	1.471	0.141
Leucine (L)	0.7843	0.322	2.437	0.015
Lysine (K)	1.4604	0.315	4.641	0.0
Methionine (M)	1.5467	0.367	4.209	0.0
Phenylalanine (F)	0.3018	0.425	0.71	0.477
Proline (P)	1.2448	0.345	3.606	0.0
Serine (S)	1.4668	0.315	4.66	0.0
Threonine (T)	1.1637	0.337	3.453	0.001
Tryptophan (W)	0.7147	0.579	1.234	0.217
Tyrosine (Y)	0.2741	0.425	0.645	0.519
E20	0.6057	0.059	10.213	0.0

Table 265: Fields: Triplet-Unassigned: isSwitch - E20 + isUnstruct

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:29:04 PDT 2019
Pseudo R-squ.:	0.1331
Log-Likelihood:	-1970.3
LL-Null:	-2272.8
LLR p-value:	4.300E-132

Table 266: Descriptors: Triplet-Unassigned: isSwitch - E20 + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.7923	0.103	-46.352	0.0
E20	0.5079	0.061	8.277	0.0
isUnstruct	3.1431	0.138	22.852	0.0

Table 267: Fields: Triplet-Unassigned: isSwitch - E20 + Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:29:04 PDT 2019
Pseudo R-squ.:	0.03134
Log-Likelihood:	-2201.6
LL-Null:	-2272.8
LLR p-value:	1.169E-31

Table 268: Descriptors: Triplet-Unassigned: isSwitch - E20 + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-3.4163	0.113	-30.272	0.0
E20	0.6533	0.059	11.026	0.0
Vkabat	-0.1583	0.031	-5.152	0.0

Table 269: Fields: Triplet-Unassigned: isSwitch - isUnstruct + Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13794
Df Model:	2
Date:	Thu Apr 04 16:29:04 PDT 2019
Pseudo R-squ.:	0.1207
Log-Likelihood:	-1998.6
LL-Null:	-2272.8
LLR p-value:	7.901E-120

Table 270: Descriptors: Triplet-Unassigned: isSwitch - isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.0356	0.118	-34.147	0.0
isUnstruct	3.1972	0.136	23.545	0.0
Vkabat	-0.0961	0.031	-3.064	0.002

Table 271: Fields: Triplet-Unassigned: isSwitch - isUnstruct + Residue Type

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:29:04 PDT 2019
Pseudo R-squ.:	0.1259
Log-Likelihood:	-1986.8
LL-Null:	-2272.8
LLR p-value:	2.157E-108

Table 272: Descriptors: Triplet-Unassigned: isSwitch - isUnstruct + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-5.1011	0.288	-17.705	0.0
Alanine (A)	1.0788	0.319	3.379	0.001
Arginine (R)	0.4141	0.362	1.143	0.253
Asparagine (N)	1.0656	0.344	3.102	0.002
Aspartic acid (D)	1.1369	0.327	3.477	0.001
Cysteine (C)	1.2305	0.51	2.412	0.016
Glutamine (Q)	0.686	0.326	2.103	0.035
Glutamic acid (E)	0.6814	0.351	1.943	0.052
Glycine (G)	0.9978	0.335	2.979	0.003
Histidine (H)	0.6736	0.431	1.562	0.118
Isoleucine (I)	0.5642	0.368	1.532	0.125
Leucine (L)	0.6908	0.325	2.123	0.034
Lysine (K)	1.0512	0.32	3.285	0.001
Methionine (M)	0.767	0.377	2.032	0.042
Phenylalanine (F)	0.5253	0.429	1.225	0.221
Proline (P)	0.6966	0.351	1.982	0.047
Serine (S)	0.9502	0.32	2.965	0.003
Threonine (T)	0.9561	0.342	2.794	0.005
Tryptophan (W)	0.9329	0.586	1.592	0.111
Tyrosine (Y)	0.4785	0.429	1.116	0.264
isUnstruct	3.1806	0.141	22.5	0.0

Table 273: Fields: Triplet-Unassigned: isSwitch - Vkabat + Residue Type

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13776
Df Model:	20
Date:	Thu Apr 04 16:29:04 PDT 2019
Pseudo R-squ.:	0.02386
Log-Likelihood:	-2218.6
LL-Null:	-2272.8
LLR p-value:	3.780E-14

Table 274: Descriptors: Triplet-Unassigned: isSwitch - Vkabat + Residue Type

Name	Beta	Std Err	Z-score	P-value
Intercept	-3.8203	0.293	-13.022	0.0
Alanine (A)	1.2217	0.315	3.885	0.0
Arginine (R)	0.7239	0.357	2.03	0.042
Asparagine (N)	1.2429	0.337	3.692	0.0
Aspartic acid (D)	1.3129	0.322	4.083	0.0
Cysteine (C)	0.9704	0.501	1.935	0.053
Glutamine (Q)	1.0573	0.321	3.293	0.001
Glutamic acid (E)	1.1051	0.344	3.21	0.001
Glycine (G)	0.9615	0.33	2.912	0.004
Histidine (H)	0.6789	0.426	1.595	0.111
Isoleucine (I)	0.5165	0.363	1.421	0.155
Leucine (L)	0.6631	0.321	2.063	0.039
Lysine (K)	1.4355	0.314	4.57	0.0
Methionine (M)	1.491	0.367	4.068	0.0
Phenylalanine (F)	0.2158	0.424	0.509	0.611
Proline (P)	1.1534	0.345	3.342	0.001
Serine (S)	1.5066	0.314	4.796	0.0
Threonine (T)	1.2059	0.336	3.586	0.0
Tryptophan (W)	0.5372	0.578	0.929	0.353
Tyrosine (Y)	0.1505	0.424	0.355	0.723
Vkabat	-0.1366	0.031	-4.399	0.0

Table 275: Fields: Triplet-Unassigned: isSwitch - E6 + isUnstruct + Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13793
Df Model:	3
Date:	Thu Apr 04 16:29:04 PDT 2019
Pseudo R-squ.:	0.1328
Log-Likelihood:	-1971.1
LL-Null:	-2272.8
LLR p-value:	1.760E-130

Table 276: Descriptors: Triplet-Unassigned: isSwitch - E6 + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.4207	0.132	-33.368	0.0
E6	0.689	0.091	7.553	0.0
isUnstruct	3.0696	0.138	22.18	0.0
Vkabat	-0.0921	0.031	-2.924	0.003

Table 277: Fields: Triplet-Unassigned: isSwitch - E6 + Residue Type + Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:29:05 PDT 2019
Pseudo R-squ.:	0.04412
Log-Likelihood:	-2172.6
LL-Null:	-2272.8
LLR p-value:	2.833E-31

Table 278: Descriptors: Triplet-Unassigned: isSwitch - E6 + Residue Type + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.241	0.299	-14.205	0.0
Alanine (A)	1.0759	0.316	3.409	0.001
Arginine (R)	0.5442	0.358	1.52	0.128
Asparagine (N)	1.0896	0.338	3.223	0.001
Aspartic acid (D)	1.1065	0.323	3.423	0.001
Cysteine (C)	0.8772	0.503	1.744	0.081
Glutamine (Q)	0.8936	0.322	2.773	0.006
Glutamic acid (E)	0.9533	0.345	2.76	0.006
Glycine (G)	0.8157	0.332	2.46	0.014
Histidine (H)	0.545	0.427	1.277	0.202
Isoleucine (I)	0.5255	0.364	1.444	0.149
Leucine (L)	0.6826	0.322	2.121	0.034
Lysine (K)	1.299	0.315	4.121	0.0
Methionine (M)	1.4913	0.367	4.058	0.0
Phenylalanine (F)	0.2166	0.425	0.51	0.61
Proline (P)	0.9672	0.347	2.787	0.005
Serine (S)	1.3226	0.315	4.192	0.0
Threonine (T)	1.0713	0.337	3.174	0.002
Tryptophan (W)	0.5879	0.579	1.015	0.31
Tyrosine (Y)	0.1785	0.425	0.42	0.674
E6	0.867	0.088	9.833	0.0
Vkabat	-0.1326	0.031	-4.262	0.0

Table 279: Fields: Triplet-Unassigned: isSwitch - E6 + Residue Type + isUnstruct

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:29:05 PDT 2019
Pseudo R-squ.:	0.137
Log-Likelihood:	-1961.4
LL-Null:	-2272.8
LLR p-value:	2.430E-118

Table 280: Descriptors: Triplet-Unassigned: isSwitch - E6 + Residue Type + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-5.4106	0.293	-18.457	0.0
Alanine (A)	0.9833	0.32	3.068	0.002
Arginine (R)	0.2957	0.364	0.813	0.416
Asparagine (N)	0.9664	0.345	2.802	0.005
Aspartic acid (D)	1.0171	0.328	3.099	0.002
Cysteine (C)	1.1466	0.514	2.232	0.026
Glutamine (Q)	0.6101	0.327	1.865	0.062
Glutamic acid (E)	0.634	0.351	1.804	0.071
Glycine (G)	0.8927	0.336	2.653	0.008
Histidine (H)	0.5497	0.434	1.267	0.205
Isoleucine (I)	0.5727	0.369	1.552	0.121
Leucine (L)	0.6992	0.326	2.143	0.032
Lysine (K)	1.0002	0.321	3.119	0.002
Methionine (M)	0.8382	0.378	2.22	0.026
Phenylalanine (F)	0.5295	0.43	1.233	0.218
Proline (P)	0.594	0.353	1.684	0.092
Serine (S)	0.8358	0.322	2.597	0.009
Threonine (T)	0.8969	0.343	2.614	0.009
Tryptophan (W)	0.9726	0.587	1.657	0.098
Tyrosine (Y)	0.5112	0.429	1.191	0.234
E6	0.6703	0.093	7.241	0.0
isUnstruct	3.0739	0.143	21.482	0.0

Table 281: Fields: Triplet-Unassigned: isSwitch - E20 + isUnstruct + Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13793
Df Model:	3
Date:	Thu Apr 04 16:29:05 PDT 2019
Pseudo R-squ.:	0.1355
Log-Likelihood:	-1964.9
LL-Null:	-2272.8
LLR p-value:	3.493E-133

Table 282: Descriptors: Triplet-Unassigned: isSwitch - E20 + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.5001	0.134	-33.467	0.0
E20	0.5144	0.062	8.353	0.0
isUnstruct	3.0997	0.138	22.425	0.0
Vkabat	-0.1026	0.032	-3.25	0.001

Table 283: Fields: Triplet-Unassigned: isSwitch - E20 + Residue Type + Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:29:05 PDT 2019
Pseudo R-squ.:	0.04596
Log-Likelihood:	-2168.4
LL-Null:	-2272.8
LLR p-value:	6.275E-33

Table 284: Descriptors: Triplet-Unassigned: isSwitch - E20 + Residue Type + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.4012	0.301	-14.631	0.0
Alanine (A)	1.1816	0.315	3.749	0.0
Arginine (R)	0.6509	0.358	1.82	0.069
Asparagine (N)	1.1979	0.338	3.548	0.0
Aspartic acid (D)	1.2143	0.323	3.763	0.0
Cysteine (C)	0.9549	0.503	1.898	0.058
Glutamine (Q)	1.0095	0.322	3.137	0.002
Glutamic acid (E)	1.0909	0.345	3.161	0.002
Glycine (G)	0.9478	0.331	2.863	0.004
Histidine (H)	0.6511	0.426	1.527	0.127
Isoleucine (I)	0.5385	0.364	1.479	0.139
Leucine (L)	0.7433	0.322	2.308	0.021
Lysine (K)	1.4091	0.315	4.474	0.0
Methionine (M)	1.511	0.368	4.109	0.0
Phenylalanine (F)	0.3012	0.425	0.709	0.478
Proline (P)	1.1159	0.346	3.222	0.001
Serine (S)	1.4322	0.315	4.547	0.0
Threonine (T)	1.1554	0.337	3.426	0.001
Tryptophan (W)	0.7221	0.58	1.246	0.213
Tyrosine (Y)	0.256	0.425	0.603	0.547
E20	0.6121	0.06	10.259	0.0
Vkabat	-0.1403	0.031	-4.5	0.0

Table 285: Fields: Triplet-Unassigned: isSwitch - E20 + Residue Type + isUnstruct

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:29:05 PDT 2019
Pseudo R-squ.:	0.1398
Log-Likelihood:	-1955.1
LL-Null:	-2272.8
LLR p-value:	5.665E-121

Table 286: Descriptors: Triplet-Unassigned: isSwitch - E20 + Residue Type + isUnstruct

Name	Beta	Std Err	Z-score	P-value
Intercept	-5.5736	0.297	-18.79	0.0
Alanine (A)	1.0501	0.321	3.276	0.001
Arginine (R)	0.3616	0.363	0.995	0.32
Asparagine (N)	1.0288	0.345	2.982	0.003
Aspartic acid (D)	1.0825	0.328	3.299	0.001
Cysteine (C)	1.1996	0.514	2.335	0.02
Glutamine (Q)	0.6847	0.327	2.093	0.036
Glutamic acid (E)	0.7253	0.352	2.063	0.039
Glycine (G)	0.9887	0.336	2.941	0.003
Histidine (H)	0.6169	0.434	1.421	0.155
Isoleucine (I)	0.5708	0.369	1.546	0.122
Leucine (L)	0.7419	0.327	2.272	0.023
Lysine (K)	1.071	0.321	3.339	0.001
Methionine (M)	0.8499	0.378	2.25	0.024
Phenylalanine (F)	0.5911	0.43	1.375	0.169
Proline (P)	0.7014	0.353	1.99	0.047
Serine (S)	0.9053	0.322	2.814	0.005
Threonine (T)	0.9392	0.344	2.734	0.006
Tryptophan (W)	1.081	0.587	1.841	0.066
Tyrosine (Y)	0.575	0.43	1.339	0.181
E20	0.4998	0.062	8.084	0.0
isUnstruct	3.0977	0.143	21.631	0.0

Table 287: Fields: Triplet-Unassigned: isSwitch - Residue Type + isUnstruct + Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13775
Df Model:	21
Date:	Thu Apr 04 16:29:06 PDT 2019
Pseudo R-squ.:	0.1273
Log-Likelihood:	-1983.4
LL-Null:	-2272.8
LLR p-value:	4.409E-109

Table 288: Descriptors: Triplet-Unassigned: isSwitch - Residue Type + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-4.8241	0.306	-15.762	0.0
Alanine (A)	1.0313	0.32	3.226	0.001
Arginine (R)	0.4046	0.362	1.117	0.264
Asparagine (N)	1.0052	0.344	2.918	0.004
Aspartic acid (D)	1.0833	0.328	3.307	0.001
Cysteine (C)	1.1973	0.511	2.345	0.019
Glutamine (Q)	0.6407	0.327	1.961	0.05
Glutamic acid (E)	0.6297	0.351	1.792	0.073
Glycine (G)	0.9198	0.336	2.736	0.006
Histidine (H)	0.6455	0.432	1.496	0.135
Isoleucine (I)	0.5711	0.368	1.552	0.121
Leucine (L)	0.6571	0.326	2.018	0.044
Lysine (K)	1.0132	0.32	3.164	0.002
Methionine (M)	0.7414	0.378	1.963	0.05
Phenylalanine (F)	0.5096	0.429	1.189	0.235
Proline (P)	0.6102	0.353	1.729	0.084
Serine (S)	0.9129	0.321	2.845	0.004
Threonine (T)	0.9426	0.342	2.754	0.006
Tryptophan (W)	0.9216	0.586	1.571	0.116
Tyrosine (Y)	0.4592	0.429	1.071	0.284
isUnstruct	3.1495	0.142	22.177	0.0
Vkabat	-0.0822	0.032	-2.565	0.01

Table 289: Fields: Triplet-Unassigned: isSwitch - E6 + Residue Type + isUnstruct + Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13774
Df Model:	22
Date:	Thu Apr 04 16:29:06 PDT 2019
Pseudo R-squ.:	0.1385
Log-Likelihood:	-1958.1
LL-Null:	-2272.8
LLR p-value:	5.623E-119

Table 290: Descriptors: Triplet-Unassigned: isSwitch - E6 + Residue Type + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-5.1338	0.311	-16.491	0.0
Alanine (A)	0.9344	0.321	2.911	0.004
Arginine (R)	0.2803	0.364	0.77	0.441
Asparagine (N)	0.9055	0.346	2.618	0.009
Aspartic acid (D)	0.9589	0.329	2.915	0.004
Cysteine (C)	1.1126	0.514	2.164	0.03
Glutamine (Q)	0.5637	0.328	1.721	0.085
Glutamic acid (E)	0.5805	0.352	1.649	0.099
Glycine (G)	0.8095	0.338	2.395	0.017
Histidine (H)	0.5183	0.434	1.193	0.233
Isoleucine (I)	0.5774	0.369	1.565	0.118
Leucine (L)	0.6655	0.326	2.039	0.041
Lysine (K)	0.9595	0.321	2.989	0.003
Methionine (M)	0.8089	0.378	2.142	0.032
Phenylalanine (F)	0.5143	0.429	1.198	0.231
Proline (P)	0.5045	0.354	1.423	0.155
Serine (S)	0.7947	0.322	2.465	0.014
Threonine (T)	0.877	0.343	2.554	0.011
Tryptophan (W)	0.9561	0.587	1.628	0.104
Tyrosine (Y)	0.489	0.429	1.139	0.255
E6	0.6697	0.093	7.224	0.0
isUnstruct	3.0436	0.144	21.175	0.0
Vkabat	-0.0812	0.032	-2.522	0.012

Table 291: Fields: Triplet-Unassigned: isSwitch - E20 + Residue Type + isUnstruct + Vkabat

Field	Value
Accuracy:	91.36116152450091
Df Residuals:	13774
Df Model:	22
Date:	Thu Apr 04 16:29:06 PDT 2019
Pseudo R-squ.:	0.1415
Log-Likelihood:	-1951.2
LL-Null:	-2272.8
LLR p-value:	6.739E-122

Table 292: Descriptors: Triplet-Unassigned: isSwitch - E20 + Residue Type + isUnstruct + Vkabat

Name	Beta	Std Err	Z-score	P-value
Intercept	-5.2768	0.313	-16.833	0.0
Alanine (A)	0.9975	0.321	3.109	0.002
Arginine (R)	0.3449	0.364	0.949	0.343
Asparagine (N)	0.9631	0.346	2.785	0.005
Aspartic acid (D)	1.0181	0.329	3.097	0.002
Cysteine (C)	1.1631	0.514	2.262	0.024
Glutamine (Q)	0.6341	0.327	1.936	0.053
Glutamic acid (E)	0.6677	0.352	1.896	0.058
Glycine (G)	0.8988	0.338	2.662	0.008
Histidine (H)	0.5829	0.435	1.342	0.18
Isoleucine (I)	0.5763	0.369	1.562	0.118
Leucine (L)	0.7063	0.327	2.162	0.031
Lysine (K)	1.0278	0.321	3.202	0.001
Methionine (M)	0.8188	0.378	2.167	0.03
Phenylalanine (F)	0.5758	0.43	1.34	0.18
Proline (P)	0.6028	0.354	1.702	0.089
Serine (S)	0.8614	0.322	2.674	0.007
Threonine (T)	0.9182	0.344	2.672	0.008
Tryptophan (W)	1.0653	0.588	1.813	0.07
Tyrosine (Y)	0.551	0.429	1.283	0.199
E20	0.506	0.062	8.156	0.0
isUnstruct	3.0642	0.144	21.301	0.0
Vkabat	-0.0894	0.032	-2.773	0.006