

A1. Feature Selection Results

TABLE I. GAIN RATIO WITH RANKER SEARCH

Average Merit	Average Rank	Attribute
0.171 +- 0.003	1 +- 0	31 Protein_Family
0.157 +- 0.002	2 +- 0	32 Protein_Group
0.112 +- 0.003	3 +- 0	33 Sub_domain
0.093 +- 0.031	5.1 +- 3.3	7 Blosum62
0.086 +- 0.008	5.1 +- 0.54	30 Natural_Freqs_Diff
0.079 +- 0.004	5.7 +- 0.46	29 Hydropathy_Index_Diff
0.045 +- 0.002	7.4 +- 0.66	27 Side_Chain_Polarity_Diff
0.044 +- 0.008	8.3 +- 1.73	1 Original_Amino_Acid
0.038 +- 0.003	9.2 +- 0.87	5 Conservation_Consensus_Family
0.033 +- 0.006	10.5 +- 1.69	2 SNP_Amino_Acid
	12.5 +- 1.12	4 Conservation_Wild_Allkinase
0.011 +- 0.001	13.5 +- 1.12	12 binding_site
0.008 +- 0.001	13.5 +- 6.26	20 Side_Chain_Polarity_Wild
0.027 +- 0.014	14.5 +- 5.55	26 Van_der_Waals_Volume_Wild
0.024 +- 0.016	15.1 +- 1.45	13 Side_Chain_Polarity
0.001 +- 0	15.5 +- 1.2	24 Avg_Mass_Wild
0.001 +- 0.002	15.9 +- 1.37	9 modification
0 +- 0	17.8 +- 3.71	11 is_active_site
0.005 +- 0.014		

TABLE II. CORRELATION BASED FEATURE SELECTION

Number of Folds (%)	Attribute
10(100 %)	7 Blosum62
10(100 %)	31 Protein_Family
10(100 %)	32 Protein_Group
8(80 %)	12 binding_site
2(20 %)	4 Conservation_Wild_Allkinase
1(10 %)	3 Conservation_Consensus_Allkinase

TABLE III. RELIEF BASED FEATURE SELECTION

Average Merit	Average Rank	Attribute
0.25 +- 0.005	1 +- 0	31 Protein_Family
0.206 +- 0.005	2 +- 0	32 Protein_Group
0.087 +- 0.006	3.2 +- 0.4	1 Original_Amino_Acid
0.082 +- 0.005	3.8 +- 0.4	7 Blosum62
0.055 +- 0.005	5.4 +- 0.49	33 Sub_domain
0.057 +- 0.008	5.6 +- 0.49	2 SNP_Amino_Acid
0.037 +- 0.005	7 +- 0	27 Side_Chain_Polarity_Diff
0.027 +- 0.003	8.4 +- 0.8	5 Conservation_Consensus_Family
0.026 +- 0.001	9 +- 0.63	26 Van_der_Waals_Volume_Wild
0.022 +- 0.001	10.9 +- 0.94	23 Natural_Freqs_Wild
	11 +- 1.48	13 Side_Chain_Polarity
0.022 +- 0.003	11 +- 0.89	30 Natural_Freqs_Diff
0.019 +- 0.001	12.7 +- 0.64	24 Avg_Mass_Wild
	15.2 +- 1.25	22 Hydropathy_Index_Wild
0.014 +- 0.002	15.3 +- 0.9	20 Side_Chain_Polarity_Wild
0.014 +- 0.002	15.8 +- 1.66	19 Van_der_Waals_Volume
	16.6 +- 0.66	29 Hydropathy_Index_Diff
0.013 +- 0.002	17.7 +- 1.62	16 Natural_Freqs
0.012 +- 0.002	18.9 +- 1.14	17 Avg_Mass
0.011 +- 0.002	19.5 +- 0.67	15 Hydropathy_Index
0.01 +- 0.002	22.1 +- 1.58	4 Conservation_Wild_Allkinase
0.007 +- 0.002	22.3 +- 1.1	25 Isoelectric_Point_Wild
0.006 +- 0.002	23.1 +- 1.51	18 Isoelectric_Point
0.006 +- 0.002	23.9 +- 1.22	14 Side_Chain_Charge
	24.4 +- 0.8	28 Side_Chain_Charge_Diff
0.005 +- 0.002	25.3 +- 1.49	21 Side_Chain_Charge_Wild
0.005 +- 0.001		

TABLE IV. WRAPPER: SMO POLY KERNEL AND BEST FIRST SEARCH

Number of Folds (%)	Attribute
10(100 %)	7 Blosum62
10(100 %)	31 Protein_Family
7(70 %)	23 Natural_Freqs_Wild
6(60 %)	15 Hydropathy_Index
4(40 %)	9 modification
3(30 %)	27 Side_Chain_Polarity_Diff
3(30 %)	29 Hydropathy_Index_Diff
2(20 %)	16 Natural_Freqs
2(20 %)	22 Hydropathy_Index_Wild
1(10 %)	12 binding_site
1(10 %)	13 Side_Chain_Polarity
1(10 %)	14 Side_Chain_Charge
1(10 %)	20 Side_Chain_Polarity_Wild
1(10 %)	21 Side_Chain_Charge_Wild
1(10 %)	26 Van_der_Waals_Volume_Wild

TABLE V. WRAPPER: SMO POLY KERNEL AND GENETIC SEARCH

Number of Folds (%)	Attribute
10(100 %)	7 Blosum62
10(100 %)	31 Protein_Family
8(80 %)	16 Natural_Freqs
8(80 %)	21 Side_Chain_Charge_Wild
7(70 %)	6 Conservation_Consensus_Group
7(70 %)	13 Side_Chain_Polarity
6(60 %)	15 Hydropathy_Index
6(60 %)	23 Natural_Freqs_Wild
6(60 %)	25 Isoelectric_Point_Wild
5(50 %)	3 Conservation_Consensus_Allkinase
5(50 %)	9 modification
5(50 %)	30 Natural_Freqs_Diff
4(40 %)	12 binding_site
4(40 %)	29 Hydropathy_Index_Diff
3(30 %)	18 Isoelectric_Point
2(20 %)	8 is_signal_peptide
2(20 %)	10 is_pk_domain
2(20 %)	22 Hydropathy_Index_Wild
2(20 %)	27 Side_Chain_Polarity_Diff
2(20 %)	28 Side_Chain_Charge_Diff
1(10 %)	4 Conservation_Wild_Allkinase
1(10 %)	5 Conservation_Consensus_Family
1(10 %)	11 is_active_site
1(10 %)	14 Side_Chain_Charge
1(10 %)	17 Avg_Mass
1(10 %)	24 Avg_Mass_Wild
1(10 %)	26 Van_der_Waals_Volume_Wild
1(10 %)	33 Sub_domain

A2. List of Prioritization of EGFR Mutations

ID	Gene	MutationPos	WildType	MutantType	Disease_In_Cosmic	J48	RandomForest	NBTree	FT	DecisionTable	DTNB	LWL	BayesNet	NaiveBayes	SVM	NeuralNetwork	Score	Avg_Weighted_Score	Positive_Weighted_Score
1	EGFR	713	K	F	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
2	EGFR	715	I	S	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
3	EGFR	719	G	A	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
4	EGFR	719	G	V	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
5	EGFR	720	S	F	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
6	EGFR	720	S	P	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
7	EGFR	721	G	A	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
8	EGFR	721	G	D	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
9	EGFR	721	G	S	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
10	EGFR	723	F	S	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
11	EGFR	724	G	S	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
12	EGFR	725	T	M	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
13	EGFR	727	Y	C	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
14	EGFR	729	G	E	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
15	EGFR	729	G	R	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
16	EGFR	730	L	F	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
17	EGFR	731	W	R	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
18	EGFR	733	P	S	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
19	EGFR	733	P	T	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
20	EGFR	735	G	S	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
21	EGFR	741	P	L	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
22	EGFR	743	A	P	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
23	EGFR	743	A	S	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
24	EGFR	743	A	T	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
25	EGFR	747	L	P	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
26	EGFR	747	L	S	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
27	EGFR	751	T	I	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
28	EGFR	753	P	F	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
29	EGFR	753	P	S	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
30	EGFR	755	A	D	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
31	EGFR	758	E	G	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
32	EGFR	761	D	G	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
33	EGFR	761	D	N	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
34	EGFR	766	M	T	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
35	EGFR	770	D	N	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
36	EGFR	773	H	L	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
37	EGFR	773	H	Y	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
38	EGFR	776	R	C	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
39	EGFR	776	R	G	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
40	EGFR	777	L	Q	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
41	EGFR	779	G	C	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
42	EGFR	779	G	F	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
43	EGFR	779	G	S	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
44	EGFR	784	S	F	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
45	EGFR	796	G	A	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
46	EGFR	796	G	S	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
47	EGFR	798	L	F	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
48	EGFR	799	L	R	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
49	EGFR	810	G	D	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
50	EGFR	810	G	S	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
51	EGFR	814	L	P	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
52	EGFR	829	E	Q	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
53	EGFR	832	R	C	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
54	EGFR	832	R	L	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000

55	EGFR	833	L	V	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
56	EGFR	835	H	L	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
57	EGFR	838	L	P	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
58	EGFR	838	L	V	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
59	EGFR	839	A	T	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
60	EGFR	842	N	D	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
61	EGFR	847	T	A	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
62	EGFR	847	T	I	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
63	EGFR	849	Q	L	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
64	EGFR	850	H	D	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
65	EGFR	850	H	N	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
66	EGFR	853	I	T	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
67	EGFR	854	T	A	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
68	EGFR	855	D	G	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
69	EGFR	855	D	N	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
70	EGFR	856	F	L	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
71	EGFR	856	F	S	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
72	EGFR	857	G	E	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
73	EGFR	858	L	A	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
74	EGFR	858	L	G	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
75	EGFR	858	L	K	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
76	EGFR	858	L	M	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
77	EGFR	858	L	Q	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
78	EGFR	858	L	W	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
79	EGFR	860	K	I	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
80	EGFR	861	L	F	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
81	EGFR	861	L	P	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
82	EGFR	861	L	R	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
83	EGFR	861	L	V	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
84	EGFR	862	L	P	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
85	EGFR	863	G	D	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
86	EGFR	863	G	S	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
87	EGFR	864	A	E	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
88	EGFR	864	A	T	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
89	EGFR	866	E	K	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
90	EGFR	868	E	G	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
91	EGFR	869	Y	C	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
92	EGFR	871	A	G	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
93	EGFR	871	A	T	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
94	EGFR	873	G	E	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
95	EGFR	874	G	S	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
96	EGFR	875	K	R	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
97	EGFR	884	E	K	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1.0000	1.0000	1.0000
98	EGFR	728	K	R	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9083	0.9101
99	EGFR	733	P	L	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090
100	EGFR	745	K	R	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9083	0.9101
101	EGFR	746	E	K	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090
102	EGFR	746	E	V	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9083	0.9101
103	EGFR	752	S	P	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090
104	EGFR	752	S	Y	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090
105	EGFR	754	K	R	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9083	0.9101
106	EGFR	758	E	D	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090
107	EGFR	767	A	V	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090
108	EGFR	768	S	C	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090
109	EGFR	768	S	N	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090
110	EGFR	783	T	I	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090

111	EGFR	784	S	P	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090
112	EGFR	784	S	Y	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090
113	EGFR	785	T	I	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090
114	EGFR	785	T	N	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090
115	EGFR	792	L	P	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090
116	EGFR	803	R	L	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090
117	EGFR	804	E	G	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090
118	EGFR	806	K	A	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9083	0.9101
119	EGFR	806	K	E	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9083	0.9101
120	EGFR	811	S	F	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090
121	EGFR	812	Q	R	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9083	0.9101
122	EGFR	818	C	Y	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090
123	EGFR	821	I	T	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9083	0.9101
124	EGFR	836	R	C	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090
125	EGFR	841	R	K	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090
126	EGFR	846	K	R	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9083	0.9101
127	EGFR	860	K	E	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9083	0.9101
128	EGFR	870	H	N	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090
129	EGFR	870	H	R	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	0.9091	0.9092	0.9090
130	EGFR	715	I	L	yes	yes	no	no	yes	yes	yes	yes	yes	yes	yes	yes	0.8182	0.8174	0.8190
131	EGFR	744	I	M	yes	yes	no	no	yes	yes	yes	yes	yes	yes	yes	yes	0.8182	0.8174	0.8190
132	EGFR	744	I	V	yes	yes	no	no	yes	yes	yes	yes	yes	yes	yes	yes	0.8182	0.8174	0.8190
133	EGFR	746	E	I	yes	yes	no	no	yes	yes	yes	yes	yes	yes	yes	yes	0.8182	0.8174	0.8190
134	EGFR	748	R	K	yes	yes	no	no	yes	yes	yes	yes	yes	yes	yes	yes	0.8182	0.8174	0.8190
135	EGFR	759	I	N	yes	yes	no	no	yes	yes	yes	yes	yes	yes	yes	yes	0.8182	0.8174	0.8190
136	EGFR	759	I	V	yes	yes	no	no	yes	yes	yes	yes	yes	yes	yes	yes	0.8182	0.8174	0.8190
137	EGFR	773	H	R	yes	yes	no	no	yes	yes	yes	yes	yes	yes	yes	yes	0.8182	0.8174	0.8190
138	EGFR	787	Q	R	yes	yes	no	no	yes	yes	yes	yes	yes	yes	yes	yes	0.8182	0.8174	0.8190
139	EGFR	795	F	S	yes	yes	no	no	yes	yes	yes	yes	yes	yes	yes	yes	0.8182	0.8174	0.8190
140	EGFR	805	H	I	yes	yes	no	no	yes	yes	yes	yes	yes	yes	yes	yes	0.8182	0.8174	0.8190
141	EGFR	807	D	N	yes	yes	no	no	yes	yes	yes	yes	yes	yes	yes	yes	0.8182	0.8174	0.8190
142	EGFR	921	S	R	yes	yes	no	no	yes	yes	yes	yes	yes	yes	yes	yes	0.8182	0.8174	0.8190
143	EGFR	712	F	S	yes	yes	yes	yes	no	no	no	no	no	no	no	no	0.2727	0.2755	0.2751
144	EGFR	798	L	H	yes	yes	yes	yes	no	no	no	no	no	no	no	no	0.2727	0.2755	0.2751
145	EGFR	826	N	S	yes	yes	yes	yes	no	no	no	no	no	no	no	no	0.2727	0.2755	0.2751
146	EGFR	834	V	A	yes	yes	yes	yes	no	no	no	no	no	no	no	no	0.2727	0.2755	0.2751
147	EGFR	845	V	A	yes	yes	yes	yes	no	no	no	no	no	no	no	no	0.2727	0.2755	0.2751
148	EGFR	851	V	A	yes	yes	yes	yes	no	no	no	no	no	no	no	no	0.2727	0.2755	0.2751
149	EGFR	712	F	L	yes	yes	no	yes	no	no	no	no	no	no	no	no	0.1818	0.1837	0.1852
150	EGFR	717	V	A	yes	yes	no	yes	no	no	no	no	no	no	no	no	0.1818	0.1837	0.1852
151	EGFR	726	V	M	yes	yes	no	yes	no	no	no	no	no	no	no	no	0.1818	0.1837	0.1852
152	EGFR	727	Y	H	yes	yes	no	yes	no	no	no	no	no	no	no	no	0.1818	0.1837	0.1852
153	EGFR	741	P	H	yes	yes	yes	no	no	no	no	no	no	no	no	no	0.1818	0.1846	0.1841
154	EGFR	742	V	A	yes	yes	no	yes	no	no	no	no	no	no	no	no	0.1818	0.1837	0.1852
155	EGFR	750	A	P	yes	yes	yes	no	no	no	no	no	no	no	no	no	0.1818	0.1846	0.1841
156	EGFR	769	V	L	yes	yes	no	yes	no	no	no	no	no	no	no	no	0.1818	0.1837	0.1852
157	EGFR	775	C	Y	yes	yes	yes	no	no	no	no	no	no	no	no	no	0.1818	0.1846	0.1841
158	EGFR	801	Y	H	yes	yes	no	yes	no	no	no	no	no	no	no	no	0.1818	0.1837	0.1852
159	EGFR	802	V	F	yes	yes	no	yes	no	no	no	no	no	no	no	no	0.1818	0.1837	0.1852
160	EGFR	802	V	I	yes	yes	no	yes	no	no	no	no	no	no	no	no	0.1818	0.1837	0.1852
161	EGFR	819	V	A	yes	yes	no	yes	no	no	no	no	no	no	no	no	0.1818	0.1837	0.1852
162	EGFR	834	V	L	yes	yes	no	yes	no	no	no	no	no	no	no	no	0.1818	0.1837	0.1852
163	EGFR	834	V	M	yes	yes	no	yes	no	no	no	no	no	no	no	no	0.1818	0.1837	0.1852
164	EGFR	843	V	I	yes	yes	no	yes	no	no	no	no	no	no	no	no	0.1818	0.1837	0.1852
165	EGFR	851	V	I	yes	yes	no	yes	no	no	no	no	no	no	no	no	0.1818	0.1837	0.1852
166	EGFR	897	V	I	yes	yes	no	yes	no	no	no	no	no	no	no	no	0.1818	0.1837	0.1852

167	EGFR	738	V	G	yes	yes	no	no	no	no	no	no	no	no	no	no	0.0909	0.0929	0.0942
168	EGFR	765	V	M	yes	yes	no	no	no	no	no	no	no	no	no	no	0.0909	0.0929	0.0942
169	EGFR	769	V	M	yes	yes	no	no	no	no	no	no	no	no	no	no	0.0909	0.0929	0.0942
170	EGFR	774	V	L	yes	yes	no	no	no	no	no	no	no	no	no	no	0.0909	0.0929	0.0942
171	EGFR	774	V	M	yes	yes	no	no	no	no	no	no	no	no	no	no	0.0909	0.0929	0.0942
172	EGFR	776	R	H	yes	yes	no	no	no	no	no	no	no	no	no	no	0.0909	0.0929	0.0942
173	EGFR	786	V	M	yes	yes	no	no	no	no	no	no	no	no	no	no	0.0909	0.0929	0.0942
174	EGFR	813	Y	C	yes	yes	no	no	no	no	no	no	no	no	no	no	0.0909	0.0929	0.0942
175	EGFR	831	R	H	yes	yes	no	no	no	no	no	no	no	no	no	no	0.0909	0.0929	0.0942
176	EGFR	832	R	H	yes	yes	no	no	no	no	no	no	no	no	no	no	0.0909	0.0929	0.0942
177	EGFR	845	V	M	yes	yes	no	no	no	no	no	no	no	no	no	no	0.0909	0.0929	0.0942