

Combination Of Predictors						Cases with predictions for all methods (coverage)		Cases with conciding predictions											
						Number of cases	Percentage (relative to 99442)	Number of cases	Percentage	TP	FP	TN	FN	SENS	SPEC	ACC	MCC	PPV	NPV
SIFT						57700	97.07	57700	100.00	12294	8897	33430	3079	0.800	0.790	0.792	0.541	0.580	0.916
PolyPhen-2_HDIV						59089	99.41	59089	100.00	14086	11343	32198	1440	0.906	0.739	0.768	0.574	0.594	0.957
PolyPhen-2_HVAR						59089	99.41	59089	100.00	13539	8926	35035	2012	0.871	0.805	0.822	0.615	0.614	0.946
MutationTaster2						32765	55.12	32765	100.00	8999	12396	10951	579	0.940	0.472	0.609	0.382	0.424	0.950
CADD						32765	55.12	32765	100.00	8047	4618	18959	1531	0.840	0.801	0.812	0.599	0.635	0.924
PON-P2						30799	51.81	30799	100.00	9091	4107	17051	550	0.943	0.896	0.949	0.702	0.699	0.968
SIFT	PolyPhen-2_HDIV					57349	96.48	46213	80.58	11647	5648	27984	934	0.926	0.832	0.858	0.697	0.673	0.968
SIFT	PolyPhen-2_HVAR					57349	96.48	47465	82.77	11406	4857	29971	1232	0.903	0.861	0.872	0.711	0.701	0.961
SIFT	MutationTaster2					32741	55.08	20990	64.11	7483	2945	10192	370	0.953	0.776	0.842	0.705	0.718	0.965
SIFT	CADD					32741	55.08	27108	82.80	6985	2215	17051	824	0.984	0.885	0.888	0.745	0.758	0.954
SIFT	PON-P2					29718	49.99	25402	85.48	7836	2287	15002	277	0.966	0.868	0.899	0.784	0.774	0.982
PolyPhen-2_HDIV	PolyPhen-2_HVAR					59089	99.41	55332	93.64	13484	8374	32066	1408	0.905	0.793	0.823	0.634	0.617	0.958
PolyPhen-2_HDIV	MutationTaster2					32753	55.10	22878	69.22	8433	4104	9852	284	0.957	0.706	0.806	0.659	0.673	0.972
PolyPhen-2_HDIV	CADD					32753	55.10	27897	84.56	7784	2983	18343	587	0.930	0.846	0.871	0.731	0.723	0.965
PolyPhen-2_HDIV	PON-P2					30651	51.56	27118	88.47	8667	2866	15372	213	0.976	0.843	0.886	0.777	0.751	0.986
PolyPhen-2_HVAR	MutationTaster2					32753	55.10	22138	67.59	8162	3242	10386	348	0.955	0.762	0.838	0.702	0.716	0.968
PolyPhen-2_HVAR	CADD					32753	55.10	28210	88.13	7598	2550	17216	726	0.932	0.871	0.883	0.744	0.748	0.959
PolyPhen-2_HVAR	PON-P2					30651	51.56	27460	89.59	8526	2556	16112	266	0.970	0.863	0.897	0.782	0.769	0.984
MutationTaster2	CADD					32765	55.12	23083	70.45	7912	4197	10530	444	0.947	0.715	0.799	0.637	0.653	0.950
MutationTaster2	PON-P2					17118	28.88	18993	81.16	5487	1470	6817	119	0.979	0.823	0.886	0.786	0.769	0.983
CADD	PON-P2					17118	28.88	15417	90.06	5115	1041	9060	180	0.966	0.897	0.921	0.837	0.831	0.981
SIFT	PolyPhen-2_HDIV	PolyPhen-2_HVAR				57349	96.48	45006	78.48	11366	4794	27923	923	0.925	0.853	0.873	0.723	0.703	0.968
SIFT	PolyPhen-2_HDIV	MutationTaster2				32729	55.06	18817	57.49	7267	1982	9340	228	0.970	0.825	0.883	0.718	0.786	0.976
SIFT	PolyPhen-2_HDIV	CADD				32729	55.06	24085	74.51	6829	1719	15366	461	0.937	0.899	0.911	0.802	0.799	0.971
SIFT	PolyPhen-2_HDIV	PON-P2				29572	49.75	23554	79.65	7574	1945	13859	176	0.977	0.877	0.910	0.818	0.796	0.987
SIFT	PolyPhen-2_HVAR	MutationTaster2				32729	55.06	18993	58.03	7146	1787	9790	270	0.964	0.846	0.892	0.791	0.800	0.973
SIFT	PolyPhen-2_HVAR	CADD				32729	55.06	25084	76.64	6745	1577	16201	561	0.923	0.911	0.915	0.805	0.811	0.967
SIFT	PolyPhen-2_HVAR	PON-P2				29672	49.75	23961	81.03	7602	1822	14428	209	0.973	0.888	0.915	0.825	0.805	0.986
SIFT	MutationTaster2	CADD				32741	55.08	19210	58.67	6899	2074	9916	321	0.956	0.827	0.875	0.760	0.769	0.969
SIFT	MutationTaster2	PON-P2				17095	28.76	12270	71.78	4874	805	6497	98	0.980	0.890	0.927	0.857	0.859	0.985
SIFT	CADD	PON-P2				17095	28.76	14113	82.56	4020	683	9871	139	0.971	0.927	0.942	0.876	0.871	0.984
PolyPhen-2_HDIV	PolyPhen-2_HVAR	MutationTaster2				32753	55.10	21459	65.52	8145	3198	9836	280	0.967	0.755	0.838	0.706	0.718	0.972
PolyPhen-2_HDIV	PolyPhen-2_HVAR	CADD				32753	55.10	27007	82.46	7583	2533	16310	581	0.929	0.866	0.885	0.754	0.750	0.966
PolyPhen-2_HDIV	PolyPhen-2_HVAR	PON-P2				30651	51.56	26594	86.76	8599	2526	15348	213	0.976	0.899	0.897	0.795	0.771	0.985
PolyPhen-2_HDIV	MutationTaster2	CADD				32753	55.10	20347	62.12	7689	2793	9621	264	0.987	0.775	0.860	0.724	0.733	0.973
PolyPhen-2_HDIV	MutationTaster2	PON-P2				17116	28.79	12808	74.83	5339	997	6387	85	0.984	0.865	0.916	0.839	0.843	0.987
PolyPhen-2_HDIV	CADD	PON-P2				17116	28.79	14445	84.39	5034	843	8453	115	0.978	0.909	0.934	0.805	0.857	0.987
PolyPhen-2_HVAR	MutationTaster2	CADD				32753	55.10	20336	62.99	7493	2426	10099	318	0.959	0.805	0.865	0.745	0.755	0.969
PolyPhen-2_HVAR	MutationTaster2	PON-P2				17116	28.79	12887	75.29	5264	892	6634	97	0.982	0.881	0.923	0.852	0.855	0.986
PolyPhen-2_HVAR	CADD	PON-P2				17116	28.79	14672	85.72	4979	772	8788	133	0.974	0.919	0.938	0.872	0.866	0.985
MutationTaster2	CADD	PON-P2				17118	28.80	12874	75.21	5079	1027	6665	103	0.980	0.866	0.912	0.821	0.832	0.985
SIFT	PolyPhen-2_HDIV	PolyPhen-2_HVAR	MutationTaster2			32729	55.06	18453	56.38	7120	1764	9330	227	0.969	0.841	0.882	0.784	0.802	0.976
SIFT	PolyPhen-2_HDIV	PolyPhen-2_HVAR	CADD			32729	55.06	24100	73.64	6731	1563	15348	458	0.936	0.908	0.916	0.813	0.812	0.971
SIFT	PolyPhen-2_HDIV	PolyPhen-2_HVAR	PON-P2			29572	49.75	23513	79.83	7490	1895	13842	176	0.977	0.885	0.915	0.827	0.806	0.987
SIFT	PolyPhen-2_HDIV	MutationTaster2	CADD			32729	55.06	17796	54.37	6760	1643	9178	215	0.969	0.848	0.896	0.799	0.804	0.977
SIFT	PolyPhen-2_HDIV	MutationTaster2	PON-P2			17093	28.76	11688	68.38	4794	683	6137	76	0.984	0.900	0.935	0.874	0.876	0.988
SIFT	PolyPhen-2_HDIV	CADD				17093	28.76	13410	78.45	4564	612	8128	106	0.977	0.930	0.946	0.868	0.882	0.987
SIFT	PolyPhen-2_HVAR	MutationTaster2	CADD			32729	55.06	18026	55.08	6672	1515	9586	253	0.963	0.864	0.902	0.808	0.815	0.974
SIFT	PolyPhen-2_HVAR	MutationTaster2	PON-P2			17093	28.76	11546	69.30	4759	648	6354	85	0.982	0.907	0.938	0.878	0.880	0.987
SIFT	PolyPhen-2_HVAR	CADD				17093	28.76	13663	79.93	4536	580	8427	120	0.974	0.936	0.949	0.891	0.887	0.986
SIFT	MutationTaster2	CADD				17095	28.76	11747	68.72	4594	675	6389	89	0.981	0.904	0.935	0.872	0.872	0.986
PolyPhen-2_HDIV	PolyPhen-2_HVAR	MutationTaster2	CADD			32753	55.10	19746	60.29	7480	2399	9605	262	0.966	0.880	0.895	0.748	0.757	0.973
PolyPhen-2_HDIV	PolyPhen-2_HVAR	MutationTaster2	PON-P2			17116	28.79	12602	73.63	5254	882	6361	85	0.984	0.879	0.923	0.853	0.856	0.987
PolyPhen-2_HDIV	PolyPhen-2_HVAR	CADD				17116	28.79	14296	83.52	4971	765	8445	115	0.977	0.917	0.938	0.874	0.867	0.987
PolyPhen-2_HDIV	MutationTaster2	CADD				17116	28.79	12196	71.25	5000	831	6295	80	0.984	0.883	0.925	0.856	0.857	0.987
PolyPhen-2_HVAR	MutationTaster2	CADD				17116	28.79	12312	71.93	4946	762	6513	91	0.982	0.895	0.931	0.865	0.867	0.986
SIFT	PolyPhen-2_HDIV	PolyPhen-2_HVAR	MutationTaster2	CADD		32729	55.06	17543	53.60	6660	1501	9169	214	0.969	0.859	0.902	0.811	0.816	0.977
SIFT	PolyPhen-2_HDIV	PolyPhen-2_HVAR	MutationTaster2	PON-P2		17093	28.76	11602	67.88	4751	642	6133	76	0.984	0.905	0.938	0.879	0.881	0.988
SIFT	PolyPhen-2_HDIV	PolyPhen-2_HVAR	CADD			17093	28.76	11334	78.01	4529	576	6123	106	0.977	0.934	0.949	0.892	0.897	0.987
SIFT	PolyPhen-2_HDIV	MutationTaster2	CADD			17093	28.76	11278	65.98	4540	604	6062	72	0.984	0.909	0.940	0.892	0.893	0.988
SIFT	PolyPhen-2_HVAR	MutationTaster2	CADD	PON-P2		17093	28.76	11432	66.88	4513	574	6265	80	0.983	0.916	0.943	0.887	0.887	0.987
PolyPhen-2_HDIV	PolyPhen-2_HVAR	MutationTaster2	CADD	PON-P2		17116	28.79	12052	70.41	4938	755	6279	80	0.984	0.893	0.931	0.866	0.867	0.987
SIFT	PolyPhen-2_HDIV	PolyPhen-2_HVAR	MutationTaster2	CADD	PON-P2	17093	28.76	11206	65.56	4506	570	6058	72	0.984	0.914	0.943	0.887	0.888	0.988