GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN1A	2	166930130	A	C	1	M	R	0.901	Likely Pathogenic
SCN1A	2	166930130	A	G	1	M	T	0.894	Likely Pathogenic
SCN1A	2	166930130	A	T	1	M	K	0.892	Likely Pathogenic
SCN1A	2	166930129	C	A	1	M	I	0.861	Likely Pathogenic
SCN1A	2	166930129	C	G	1	M	I	0.866	Likely Pathogenic
SCN1A	2	166930129	C	T	1	M	I	0.860	Likely Pathogenic
SCN1A	2	166930128	C	G	2	E	Q	0.320	Likely Benign
SCN1A	2	166930128	C	T	2	E	K	0.223	Likely Benign
SCN1A	2	166930127	T	A	2	E	V	0.303	Likely Benign
SCN1A	2	166930127	T	C	2	E	G	0.270	Likely Benign
SCN1A	2	166930127	T	G	2	E	A	0.050	Likely Benign
SCN1A	2	166930126	C	A	2	E	D	0.226	Likely Benign
SCN1A	2	166930126	C	G	2	E	D	0.226	Likely Benign
SCN1A	2	166930125	G	C	3	Q	E	0.163	Likely Benign
SCN1A	2	166930125	G	T	3	Q	K	0.188	Likely Benign
SCN1A	2	166930124	T	A	3	Q	L	0.236	Likely Benign
SCN1A	2	166930124	T	C	3	Q	R	0.210	Likely Benign
SCN1A	2	166930124	T	G	3	Q	P	0.178	Likely Benign
SCN1A	2	166930123	T	A	3	Q	H	0.223	Likely Benign
SCN1A	2	166930123	T	G	3	Q	H	0.205	Likely Benign
SCN1A	2	166930122	T	A	4	T	S	0.097	Likely Benign
SCN1A	2	166930122	T	C	4	T	A	0.036	Likely Benign
SCN1A	2	166930122	T	G	4	T	P	0.046	Likely Benign
SCN1A	2	166930121	G	A	4	T	I	0.120	Likely Benign
SCN1A	2	166930121	G	C	4	T	R	0.076	Likely Benign
SCN1A	2	166930121	G	T	4	T	K	0.133	Likely Benign
SCN1A	2	166930119	C	A	5	V	L	0.051	Likely Benign
SCN1A	2	166930119	C	G	5	V	L	0.052	Likely Benign
SCN1A	2	166930119	C	T	5	V	M	0.114	Likely Benign
SCN1A	2	166930118	A	C	5	V	G	0.477	Likely Benign
SCN1A	2	166930118	A	G	5	V	A	0.267	Likely Benign
SCN1A	2	166930118	A	T	5	V	E	0.413	Likely Benign
SCN1A	2	166930116	G	A	6	L	F	0.321	Likely Benign
SCN1A	2	166930116	G	C	6	L	V	0.477	Likely Benign
SCN1A	2	166930116	G	T	6	L	I	0.430	Likely Benign
SCN1A	2	166930115	A	C	6	L	R	0.848	Likely Pathogenic
SCN1A	2	166930115	A	G	6	L	P	0.879	Likely Pathogenic
SCN1A	2	166930115	A	T	6	L	H	0.700	Likely Benign
SCN1A	2	166930113	C	A	7	V	L	0.189	Likely Benign
SCN1A	2	166930113	C	G	7	V	L	0.188	Likely Benign
SCN1A	2	166930113	C	T	7	V	I	0.167	Likely Benign
SCN1A	2	166930112	A	C	7	V	G	0.349	Likely Benign
SCN1A	2	166930112	A	G	7	V	A	0.134	Likely Benign
SCN1A	2	166930112	A	T	7	V	E	0.489	Likely Benign
SCN1A	2	166930110	G	A	8	P	S	0.560	Likely Benign
SCN1A	2	166930110	G	C	8	P	A	0.938	Likely Pathogenic
SCN1A	2	166930110	G	T	8	P	T	0.903	Likely Pathogenic
SCN1A	2	166930109	G	A	8	P	L	0.798	Likely Pathogenic
SCN1A	2	166930109	G	C	8	P	R	0.916	Likely Pathogenic
SCN1A	2	166930109	G	T	8	P	Q	0.920	Likely Pathogenic
SCN1A	2	166930107	G	A	9	P	S	0.818	Likely Pathogenic
SCN1A	2	166930107	G	C	9	P	A	0.556	Likely Benign
SCN1A	2	166930107	G	T	9	P	T	0.830	Likely Pathogenic
SCN1A	2	166930106	G	A	9	P	L	0.667	Likely Benign
SCN1A	2	166930106	G	C	9	P	R	0.653	Likely Benign
SCN1A	2	166930106	G	T	9	P	Q	0.932	Likely Pathogenic
SCN1A	2	166930104	C	G	10	G	R	0.904	Likely Pathogenic
SCN1A	2	166930104	C	T	10	G	R	0.906	Likely Pathogenic
SCN1A	2	166930103	C	A	10	G	V	0.942	Likely Pathogenic
SCN1A	2	166930103	C	G	10	G	A	0.892	Likely Pathogenic
SCN1A	2	166930103	C	T	10	G	E	0.475	Likely Benign
SCN1A	2	166930101	G	A	11	P	S	0.501	Likely Benign
SCN1A	2	166930101	G	C	11	P	A	0.645	Likely Benign
SCN1A	2	166930101	G	T	11	P	T	0.284	Likely Benign
SCN1A	2	166930100	G	A	11	P	L	0.844	Likely Pathogenic
SCN1A	2	166930100	G	C	11	P	R	0.776	Likely Benign
SCN1A	2	166930100	G	T	11	P	H	0.942	Likely Pathogenic
SCN1A	2	166930098	C	A	12	D	Y	0.591	Likely Benign
SCN1A	2	166930098	C	G	12	D	H	0.487	Likely Benign
SCN1A	2	166930098	C	T	12	D	N	0.192	Likely Benign
SCN1A	2	166930097	T	A	12	D	V	0.800	Likely Pathogenic
SCN1A	2	166930097	T	C	12	D	G	0.351	Likely Benign
SCN1A	2	166930097	T	G	12	D	A	0.338	Likely Benign
SCN1A	2	166930096	G	C	12	D	E	0.143	Likely Benign
SCN1A	2	166930096	G	T	12	D	E	0.143	Likely Benign
SCN1A	2	166930095	T	A	13	S	C	0.562	Likely Benign
SCN1A	2	166930095	T	C	13	S	G	0.385	Likely Benign
SCN1A	2	166930095	T	G	13	S	R	0.856	Likely Pathogenic
SCN1A	2	166930094	C	A	13	S	I	0.918	Likely Pathogenic
SCN1A	2	166930094	C	G	13	S	T	0.898	Likely Pathogenic
SCN1A	2	166930094	C	T	13	S	N	0.323	Likely Benign
SCN1A	2	166930093	G	C	13	S	R	0.816	Likely Pathogenic
SCN1A	2	166930093	G	T	13	S	R	0.816	Likely Pathogenic
SCN1A	2	166930092	A	C	14	F	V	0.751	Likely Benign
SCN1A	2	166930092	A	G	14	F	L	0.211	Likely Benign
SCN1A	2	166930092	A	T	14	F	I	0.618	Likely Benign
SCN1A	2	166930091	A	C	14	F	C	0.901	Likely Pathogenic
SCN1A	2	166930091	A	G	14	F	S	0.875	Likely Pathogenic
SCN1A	2	166930091	A	T	14	F	Y	0.645	Likely Benign
SCN1A	2	166930090	G	C	14	F	L	0.201	Likely Benign
SCN1A	2	166930090	G	T	14	F	L	0.200	Likely Benign
SCN1A	2	166930089	T	A	15	N	Y	0.146	Likely Benign
SCN1A	2	166930089	T	C	15	N	D	0.120	Likely Benign
SCN1A	2	166930089	T	G	15	N	H	0.080	Likely Benign
SCN1A	2	166930088	T	A	15	N	I	0.123	Likely Benign
SCN1A	2	166930088	T	C	15	N	S	0.084	Likely Benign
SCN1A	2	166930088	T	G	15	N	T	0.112	Likely Benign
SCN1A	2	166930087	G	C	15	N	K	0.023	Likely Benign
SCN1A	2	166930087	G	T	15	N	K	0.023	Likely Benign
SCN1A	2	166930086	A	C	16	F	V	0.178	Likely Benign
SCN1A	2	166930086	A	G	16	F	L	0.100	Likely Benign
SCN1A	2	166930086	A	T	16	F	I	0.171	Likely Benign
SCN1A	2	166930085	A	C	16	F	C	0.254	Likely Benign
SCN1A	2	166930085	A	G	16	F	S	0.186	Likely Benign
SCN1A	2	166930085	A	T	16	F	Y	0.062	Likely Benign
SCN1A	2	166930084	G	C	16	F	L	0.096	Likely Benign
SCN1A	2	166930084	G	T	16	F	L	0.096	Likely Benign
SCN1A	2	166930083	A	C	17	F	V	0.959	Likely Pathogenic
SCN1A	2	166930083	A	G	17	F	L	0.704	Likely Benign
SCN1A	2	166930083	A	T	17	F	I	0.955	Likely Pathogenic
SCN1A	2	166930082	A	C	17	F	C	0.978	Likely Pathogenic
SCN1A	2	166930082	A	G	17	F	S	0.968	Likely Pathogenic
SCN1A	2	166930082	A	T	17	F	Y	0.830	Likely Pathogenic
SCN1A	2	166930081	G	C	17	F	L	0.513	Likely Benign
SCN1A	2	166930081	G	T	17	F	L	0.512	Likely Benign
SCN1A	2	166930080	T	A	18	T	S	0.576	Likely Benign
SCN1A	2	166930080	T	C	18	T	A	0.858	Likely Pathogenic
SCN1A	2	166930080	T	G	18	T	P	0.825	Likely Pathogenic
SCN1A	2	166930079	G	A	18	T	I	0.932	Likely Pathogenic
SCN1A	2	166930079	G	C	18	T	S	0.600	Likely Benign
SCN1A	2	166930079	G	T	18	T	N	0.714	Likely Benign
SCN1A	2	166930077	T	C	19	R	G	0.537	Likely Benign
SCN1A	2	166930076	C	A	19	R	I	0.730	Likely Benign
SCN1A	2	166930076	C	G	19	R	T	0.699	Likely Benign
SCN1A	2	166930076	C	T	19	R	K	0.205	Likely Benign
SCN1A	2	166930075	T	A	19	R	S	0.348	Likely Benign
SCN1A	2	166930075	T	G	19	R	S	0.335	Likely Benign
SCN1A	2	166930074	C	G	20	E	Q	0.342	Likely Benign
SCN1A	2	166930074	C	T	20	E	K	0.966	Likely Pathogenic
SCN1A	2	166930073	T	A	20	E	V	0.927	Likely Pathogenic
SCN1A	2	166930073	T	C	20	E	G	0.915	Likely Pathogenic
SCN1A	2	166930073	T	G	20	E	A	0.872	Likely Pathogenic
SCN1A	2	166930072	T	A	20	E	D	0.460	Likely Benign
SCN1A	2	166930072	T	G	20	E	D	0.455	Likely Benign
SCN1A	2	166930071	A	C	21	S	A	0.967	Likely Pathogenic
SCN1A	2	166930071	A	G	21	S	P	0.980	Likely Pathogenic
SCN1A	2	166930071	A	T	21	S	T	0.895	Likely Pathogenic
SCN1A	2	166930070	G	A	21	S	F	0.987	Likely Pathogenic
SCN1A	2	166930070	G	C	21	S	C	0.983	Likely Pathogenic
SCN1A	2	166930070	G	T	21	S	Y	0.977	Likely Pathogenic
SCN1A	2	166930068	G	A	22	L	F	0.929	Likely Pathogenic
SCN1A	2	166930068	G	C	22	L	V	0.966	Likely Pathogenic
SCN1A	2	166930068	G	T	22	L	I	0.977	Likely Pathogenic
SCN1A	2	166930067	A	C	22	L	R	0.986	Likely Pathogenic
SCN1A	2	166930067	A	G	22	L	P	0.986	Likely Pathogenic
SCN1A	2	166930067	A	T	22	L	H	0.979	Likely Pathogenic
SCN1A	2	166930065	C	A	23	A	S	0.761	Likely Benign
SCN1A	2	166930065	C	G	23	A	P	0.809	Likely Pathogenic
SCN1A	2	166930065	C	T	23	A	T	0.747	Likely Benign
SCN1A	2	166930064	G	A	23	A	V	0.274	Likely Benign
SCN1A	2	166930064	G	C	23	A	G	0.791	Likely Pathogenic
SCN1A	2	166930064	G	T	23	A	E	0.281	Likely Benign
SCN1A	2	166930062	C	A	24	A	S	0.571	Likely Benign
SCN1A	2	166930062	C	G	24	A	P	0.615	Likely Benign
SCN1A	2	166930062	C	T	24	A	T	0.212	Likely Benign
SCN1A	2	166930061	G	A	24	A	V	0.309	Likely Benign
SCN1A	2	166930061	G	C	24	A	G	0.598	Likely Benign
SCN1A	2	166930061	G	T	24	A	D	0.726	Likely Benign
SCN1A	2	166930059	T	A	25	I	F	0.903	Likely Pathogenic
SCN1A	2	166930059	T	C	25	I	V	0.764	Likely Benign
SCN1A	2	166930059	T	G	25	I	L	0.349	Likely Benign
SCN1A	2	166930058	A	C	25	I	S	0.898	Likely Pathogenic
SCN1A	2	166930058	A	G	25	I	T	0.725	Likely Benign
SCN1A	2	166930058	A	T	25	I	N	0.911	Likely Pathogenic
SCN1A	2	166930057	A	C	25	I	M	0.685	Likely Benign
SCN1A	2	166930056	C	G	26	E	Q	0.840	Likely Pathogenic
SCN1A	2	166930056	C	T	26	E	K	0.896	Likely Pathogenic
SCN1A	2	166930055	T	A	26	E	V	0.968	Likely Pathogenic
SCN1A	2	166930055	T	C	26	E	G	0.966	Likely Pathogenic
SCN1A	2	166930055	T	G	26	E	A	0.964	Likely Pathogenic
SCN1A	2	166930054	T	A	26	E	D	0.821	Likely Pathogenic
SCN1A	2	166930054	T	G	26	E	D	0.820	Likely Pathogenic
SCN1A	2	166930053	T	C	27	R	G	0.465	Likely Benign
SCN1A	2	166930052	C	A	27	R	I	0.205	Likely Benign
SCN1A	2	166930052	C	G	27	R	T	0.167	Likely Benign
SCN1A	2	166930052	C	T	27	R	K	0.045	Likely Benign
SCN1A	2	166930051	T	A	27	R	S	0.187	Likely Benign
SCN1A	2	166930051	T	G	27	R	S	0.187	Likely Benign
SCN1A	2	166930050	G	A	28	R	C	0.942	Likely Pathogenic
SCN1A	2	166930050	G	C	28	R	G	0.976	Likely Pathogenic
SCN1A	2	166930050	G	T	28	R	S	0.969	Likely Pathogenic
SCN1A	2	166930049	C	A	28	R	L	0.908	Likely Pathogenic
SCN1A	2	166930049	C	G	28	R	P	0.970	Likely Pathogenic
SCN1A	2	166930049	C	T	28	R	H	0.836	Likely Pathogenic
SCN1A	2	166930047	T	A	29	I	F	0.492	Likely Benign
SCN1A	2	166930047	T	C	29	I	V	0.581	Likely Benign
SCN1A	2	166930047	T	G	29	I	L	0.561	Likely Benign

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN2A	2	166152334	A	C	1	M	L	0.801	Likely Pathogenic
SCN2A	2	166152334	A	G	1	M	V	0.855	Likely Pathogenic
SCN2A	2	166152334	A	T	1	M	L	0.798	Likely Pathogenic
SCN2A	2	166152335	T	A	1	M	K	0.815	Likely Pathogenic
SCN2A	2	166152335	T	C	1	M	T	0.843	Likely Pathogenic
SCN2A	2	166152335	T	G	1	M	R	0.808	Likely Pathogenic
SCN2A	2	166152336	G	A	1	M	I	0.817	Likely Pathogenic
SCN2A	2	166152336	G	C	1	M	I	0.817	Likely Pathogenic
SCN2A	2	166152336	G	T	1	M	I	0.816	Likely Pathogenic
SCN2A	2	166152337	G	A	2	A	T	0.879	Likely Pathogenic
SCN2A	2	166152337	G	C	2	A	P	0.91	Likely Pathogenic
SCN2A	2	166152337	G	T	2	A	S	0.506	Likely Benign
SCN2A	2	166152338	C	A	2	A	E	0.18	Likely Benign
SCN2A	2	166152338	C	G	2	A	G	0.687	Likely Benign
SCN2A	2	166152338	C	T	2	A	V	0.752	Likely Benign
SCN2A	2	166152340	C	A	3	Q	K	0.219	Likely Benign
SCN2A	2	166152340	C	G	3	Q	E	0.187	Likely Benign
SCN2A	2	166152341	A	C	3	Q	P	0.227	Likely Benign
SCN2A	2	166152341	A	G	3	Q	R	0.331	Likely Benign
SCN2A	2	166152341	A	T	3	Q	L	0.369	Likely Benign
SCN2A	2	166152342	G	C	3	Q	H	0.247	Likely Benign
SCN2A	2	166152342	G	T	3	Q	H	0.247	Likely Benign
SCN2A	2	166152343	T	A	4	S	T	0.053	Likely Benign
SCN2A	2	166152343	T	C	4	S	P	0.033	Likely Benign
SCN2A	2	166152343	T	G	4	S	A	0.029	Likely Benign
SCN2A	2	166152344	C	T	4	S	L	0.073	Likely Benign
SCN2A	2	166152346	G	A	5	V	M	0.115	Likely Benign
SCN2A	2	166152346	G	C	5	V	L	0.057	Likely Benign
SCN2A	2	166152346	G	T	5	V	L	0.057	Likely Benign
SCN2A	2	166152347	T	A	5	V	E	0.26	Likely Benign
SCN2A	2	166152347	T	C	5	V	A	0.212	Likely Benign
SCN2A	2	166152347	T	G	5	V	G	0.338	Likely Benign
SCN2A	2	166152349	C	A	6	L	M	0.403	Likely Benign
SCN2A	2	166152349	C	G	6	L	V	0.396	Likely Benign
SCN2A	2	166152350	T	A	6	L	Q	0.923	Likely Pathogenic
SCN2A	2	166152350	T	C	6	L	P	0.952	Likely Pathogenic
SCN2A	2	166152350	T	G	6	L	R	0.91	Likely Pathogenic
SCN2A	2	166152352	G	A	7	V	I	0.162	Likely Benign
SCN2A	2	166152352	G	C	7	V	L	0.177	Likely Benign
SCN2A	2	166152352	G	T	7	V	L	0.174	Likely Benign
SCN2A	2	166152353	T	A	7	V	E	0.53	Likely Benign
SCN2A	2	166152353	T	C	7	V	A	0.137	Likely Benign
SCN2A	2	166152353	T	G	7	V	G	0.571	Likely Benign
SCN2A	2	166152355	C	A	8	P	T	0.92	Likely Pathogenic
SCN2A	2	166152355	C	G	8	P	A	0.906	Likely Pathogenic
SCN2A	2	166152355	C	T	8	P	S	0.705	Likely Benign
SCN2A	2	166152356	C	A	8	P	Q	0.939	Likely Pathogenic
SCN2A	2	166152356	C	G	8	P	R	0.941	Likely Pathogenic
SCN2A	2	166152356	C	T	8	P	L	0.754	Likely Benign
SCN2A	2	166152358	C	A	9	P	T	0.687	Likely Benign
SCN2A	2	166152358	C	G	9	P	A	0.704	Likely Benign
SCN2A	2	166152358	C	T	9	P	S	0.849	Likely Pathogenic
SCN2A	2	166152359	C	A	9	P	Q	0.933	Likely Pathogenic
SCN2A	2	166152359	C	G	9	P	R	0.777	Likely Benign
SCN2A	2	166152359	C	T	9	P	L	0.685	Likely Benign
SCN2A	2	166152361	G	A	10	G	R	0.95	Likely Pathogenic
SCN2A	2	166152361	G	C	10	G	R	0.952	Likely Pathogenic
SCN2A	2	166152362	G	A	10	G	E	0.474	Likely Benign
SCN2A	2	166152362	G	C	10	G	A	0.921	Likely Pathogenic
SCN2A	2	166152362	G	T	10	G	V	0.951	Likely Pathogenic
SCN2A	2	166152364	C	A	11	P	T	0.468	Likely Benign
SCN2A	2	166152364	C	G	11	P	A	0.71	Likely Benign
SCN2A	2	166152364	C	T	11	P	S	0.585	Likely Benign
SCN2A	2	166152365	C	A	11	P	H	0.961	Likely Pathogenic
SCN2A	2	166152365	C	G	11	P	R	0.857	Likely Pathogenic
SCN2A	2	166152365	C	T	11	P	L	0.884	Likely Pathogenic
SCN2A	2	166152367	G	A	12	D	N	0.212	Likely Benign
SCN2A	2	166152367	G	C	12	D	H	0.465	Likely Benign
SCN2A	2	166152367	G	T	12	D	Y	0.598	Likely Benign
SCN2A	2	166152368	A	C	12	D	A	0.431	Likely Benign
SCN2A	2	166152368	A	G	12	D	G	0.474	Likely Benign
SCN2A	2	166152368	A	T	12	D	V	0.812	Likely Pathogenic
SCN2A	2	166152369	C	A	12	D	E	0.15	Likely Benign
SCN2A	2	166152369	C	G	12	D	E	0.15	Likely Benign
SCN2A	2	166152370	A	C	13	S	R	0.924	Likely Pathogenic
SCN2A	2	166152370	A	G	13	S	G	0.539	Likely Benign
SCN2A	2	166152370	A	T	13	S	C	0.788	Likely Pathogenic
SCN2A	2	166152371	G	A	13	S	N	0.54	Likely Benign
SCN2A	2	166152371	G	C	13	S	T	0.916	Likely Pathogenic
SCN2A	2	166152371	G	T	13	S	I	0.9	Likely Pathogenic
SCN2A	2	166152372	C	A	13	S	R	0.732	Likely Benign
SCN2A	2	166152372	C	G	13	S	R	0.761	Likely Benign
SCN2A	2	166152373	T	A	14	F	I	0.629	Likely Benign
SCN2A	2	166152373	T	C	14	F	L	0.219	Likely Benign
SCN2A	2	166152373	T	G	14	F	V	0.795	Likely Pathogenic
SCN2A	2	166152374	T	A	14	F	Y	0.68	Likely Benign
SCN2A	2	166152374	T	C	14	F	S	0.909	Likely Pathogenic
SCN2A	2	166152374	T	G	14	F	C	0.905	Likely Pathogenic
SCN2A	2	166152375	C	A	14	F	L	0.213	Likely Benign
SCN2A	2	166152375	C	G	14	F	L	0.214	Likely Benign
SCN2A	2	166152376	C	A	15	R	S	0.586	Likely Benign
SCN2A	2	166152376	C	G	15	R	G	0.795	Likely Pathogenic
SCN2A	2	166152376	C	T	15	R	C	0.566	Likely Benign
SCN2A	2	166152377	G	A	15	R	H	0.384	Likely Benign
SCN2A	2	166152377	G	C	15	R	P	0.738	Likely Benign
SCN2A	2	166152377	G	T	15	R	L	0.723	Likely Benign
SCN2A	2	166152379	T	A	16	F	I	0.206	Likely Benign
SCN2A	2	166152379	T	C	16	F	L	0.11	Likely Benign
SCN2A	2	166152379	T	G	16	F	V	0.206	Likely Benign
SCN2A	2	166152380	T	A	16	F	Y	0.099	Likely Benign
SCN2A	2	166152380	T	C	16	F	S	0.23	Likely Benign
SCN2A	2	166152380	T	G	16	F	C	0.38	Likely Benign
SCN2A	2	166152381	C	A	16	F	L	0.106	Likely Benign
SCN2A	2	166152381	C	G	16	F	L	0.104	Likely Benign
SCN2A	2	166152382	T	A	17	F	I	0.972	Likely Pathogenic
SCN2A	2	166152382	T	C	17	F	L	0.674	Likely Benign
SCN2A	2	166152382	T	G	17	F	V	0.982	Likely Pathogenic
SCN2A	2	166152383	T	A	17	F	Y	0.942	Likely Pathogenic
SCN2A	2	166152383	T	C	17	F	S	0.983	Likely Pathogenic
SCN2A	2	166152383	T	G	17	F	C	0.987	Likely Pathogenic
SCN2A	2	166152384	T	A	17	F	L	0.597	Likely Benign
SCN2A	2	166152384	T	G	17	F	L	0.603	Likely Benign
SCN2A	2	166152385	A	C	18	T	P	0.81	Likely Pathogenic
SCN2A	2	166152385	A	G	18	T	A	0.771	Likely Benign
SCN2A	2	166152385	A	T	18	T	S	0.656	Likely Benign
SCN2A	2	166152386	C	A	18	T	N	0.77	Likely Benign
SCN2A	2	166152386	C	G	18	T	S	0.589	Likely Benign
SCN2A	2	166152386	C	T	18	T	I	0.863	Likely Pathogenic
SCN2A	2	166152388	A	G	19	R	G	0.783	Likely Pathogenic
SCN2A	2	166152388	A	T	19	R	W	0.677	Likely Benign
SCN2A	2	166152389	G	A	19	R	K	0.183	Likely Benign
SCN2A	2	166152389	G	C	19	R	T	0.589	Likely Benign
SCN2A	2	166152389	G	T	19	R	M	0.757	Likely Benign
SCN2A	2	166152390	G	C	19	R	S	0.333	Likely Benign
SCN2A	2	166152390	G	T	19	R	S	0.327	Likely Benign
SCN2A	2	166152391	G	A	20	E	K	0.984	Likely Pathogenic
SCN2A	2	166152391	G	C	20	E	Q	0.593	Likely Benign
SCN2A	2	166152392	A	C	20	E	A	0.911	Likely Pathogenic
SCN2A	2	166152392	A	G	20	E	G	0.967	Likely Pathogenic
SCN2A	2	166152392	A	T	20	E	V	0.969	Likely Pathogenic
SCN2A	2	166152393	A	C	20	E	D	0.444	Likely Benign
SCN2A	2	166152393	A	T	20	E	D	0.44	Likely Benign
SCN2A	2	166152394	T	A	21	S	T	0.902	Likely Pathogenic
SCN2A	2	166152394	T	C	21	S	P	0.981	Likely Pathogenic
SCN2A	2	166152394	T	G	21	S	A	0.973	Likely Pathogenic
SCN2A	2	166152395	C	A	21	S	Y	0.981	Likely Pathogenic
SCN2A	2	166152395	C	G	21	S	C	0.989	Likely Pathogenic
SCN2A	2	166152395	C	T	21	S	F	0.988	Likely Pathogenic
SCN2A	2	166152397	C	A	22	L	I	0.947	Likely Pathogenic
SCN2A	2	166152397	C	G	22	L	V	0.923	Likely Pathogenic
SCN2A	2	166152397	C	T	22	L	F	0.757	Likely Benign
SCN2A	2	166152398	T	A	22	L	H	0.982	Likely Pathogenic
SCN2A	2	166152398	T	C	22	L	P	0.986	Likely Pathogenic
SCN2A	2	166152398	T	G	22	L	R	0.98	Likely Pathogenic
SCN2A	2	166152400	G	A	23	A	T	0.661	Likely Benign
SCN2A	2	166152400	G	C	23	A	P	0.693	Likely Benign
SCN2A	2	166152400	G	T	23	A	S	0.724	Likely Benign
SCN2A	2	166152401	C	A	23	A	D	0.675	Likely Benign
SCN2A	2	166152401	C	G	23	A	G	0.675	Likely Benign
SCN2A	2	166152401	C	T	23	A	V	0.273	Likely Benign
SCN2A	2	166152403	G	A	24	A	T	0.235	Likely Benign
SCN2A	2	166152403	G	C	24	A	P	0.903	Likely Pathogenic
SCN2A	2	166152403	G	T	24	A	S	0.846	Likely Pathogenic
SCN2A	2	166152404	C	A	24	A	D	0.823	Likely Pathogenic
SCN2A	2	166152404	C	G	24	A	G	0.651	Likely Benign
SCN2A	2	166152404	C	T	24	A	V	0.288	Likely Benign
SCN2A	2	166152406	A	C	25	I	L	0.399	Likely Benign
SCN2A	2	166152406	A	G	25	I	V	0.869	Likely Pathogenic
SCN2A	2	166152406	A	T	25	I	F	0.957	Likely Pathogenic
SCN2A	2	166152407	T	A	25	I	N	0.972	Likely Pathogenic
SCN2A	2	166152407	T	C	25	I	T	0.885	Likely Pathogenic
SCN2A	2	166152407	T	G	25	I	S	0.967	Likely Pathogenic
SCN2A	2	166152408	T	G	25	I	M	0.85	Likely Pathogenic
SCN2A	2	166152409	G	A	26	E	K	0.911	Likely Pathogenic
SCN2A	2	166152409	G	C	26	E	Q	0.889	Likely Pathogenic
SCN2A	2	166152410	A	C	26	E	A	0.974	Likely Pathogenic
SCN2A	2	166152410	A	G	26	E	G	0.974	Likely Pathogenic
SCN2A	2	166152410	A	T	26	E	V	0.98	Likely Pathogenic
SCN2A	2	166152411	A	C	26	E	D	0.925	Likely Pathogenic
SCN2A	2	166152411	A	T	26	E	D	0.925	Likely Pathogenic
SCN2A	2	166152412	C	A	27	Q	K	0.074	Likely Benign
SCN2A	2	166152412	C	G	27	Q	E	0.241	Likely Benign
SCN2A	2	166152413	A	C	27	Q	P	0.587	Likely Benign
SCN2A	2	166152413	A	G	27	Q	R	0.128	Likely Benign
SCN2A	2	166152413	A	T	27	Q	L	0.53	Likely Benign
SCN2A	2	166152414	A	C	27	Q	H	0.628	Likely Benign
SCN2A	2	166152414	A	T	27	Q	H	0.631	Likely Benign
SCN2A	2	166152415	C	A	28	R	S	0.982	Likely Pathogenic
SCN2A	2	166152415	C	G	28	R	G	0.983	Likely Pathogenic
SCN2A	2	166152415	C	T	28	R	C	0.975	Likely Pathogenic
SCN2A	2	166152416	G	A	28	R	H	0.863	Likely Pathogenic
SCN2A	2	166152416	G	C	28	R	P	0.98	Likely Pathogenic
SCN2A	2	166152416	G	T	28	R	L	0.921	Likely Pathogenic
SCN2A	2	166152418	A	C	29	I	L	0.51	Likely Benign
SCN2A	2	166152418	A	G	29	I	V	0.468	Likely Benign
SCN2A	2	166152418	A	T	29	I	F	0.469	Likely Benign
SCN2A	2	166152419	T	A	29	I	N	0.727	Likely Benign

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN8A	12	52056602	A	C	1	M	L	0.870	Likely Pathogenic
SCN8A	12	52056602	A	G	1	M	V	0.892	Likely Pathogenic
SCN8A	12	52056602	A	T	1	M	L	0.870	Likely Pathogenic
SCN8A	12	52056603	T	A	1	M	K	0.893	Likely Pathogenic
SCN8A	12	52056603	T	C	1	M	T	0.894	Likely Pathogenic
SCN8A	12	52056603	T	G	1	M	R	0.898	Likely Pathogenic
SCN8A	12	52056604	G	A	1	M	I	0.901	Likely Pathogenic
SCN8A	12	52056604	G	C	1	M	I	0.902	Likely Pathogenic
SCN8A	12	52056604	G	T	1	M	I	0.903	Likely Pathogenic
SCN8A	12	52056605	G	A	2	A	T	0.854	Likely Pathogenic
SCN8A	12	52056605	G	C	2	A	P	0.879	Likely Pathogenic
SCN8A	12	52056605	G	T	2	A	S	0.745	Likely Benign
SCN8A	12	52056606	C	A	2	A	E	0.570	Likely Benign
SCN8A	12	52056606	C	G	2	A	G	0.915	Likely Pathogenic
SCN8A	12	52056606	C	T	2	A	V	0.932	Likely Pathogenic
SCN8A	12	52056608	G	A	3	A	T	0.216	Likely Benign
SCN8A	12	52056608	G	C	3	A	P	0.220	Likely Benign
SCN8A	12	52056608	G	T	3	A	S	0.205	Likely Benign
SCN8A	12	52056609	C	A	3	A	E	0.206	Likely Benign
SCN8A	12	52056609	C	G	3	A	G	0.229	Likely Benign
SCN8A	12	52056609	C	T	3	A	V	0.225	Likely Benign
SCN8A	12	52056611	C	G	4	R	G	0.139	Likely Benign
SCN8A	12	52056611	C	T	4	R	W	0.209	Likely Benign
SCN8A	12	52056612	G	A	4	R	Q	0.123	Likely Benign
SCN8A	12	52056612	G	C	4	R	P	0.058	Likely Benign
SCN8A	12	52056612	G	T	4	R	L	0.131	Likely Benign
SCN8A	12	52056614	C	A	5	L	M	0.217	Likely Benign
SCN8A	12	52056614	C	G	5	L	V	0.161	Likely Benign
SCN8A	12	52056615	T	A	5	L	Q	0.729	Likely Benign
SCN8A	12	52056615	T	C	5	L	P	0.542	Likely Benign
SCN8A	12	52056615	T	G	5	L	R	0.640	Likely Benign
SCN8A	12	52056617	C	A	6	L	I	0.266	Likely Benign
SCN8A	12	52056617	C	G	6	L	V	0.293	Likely Benign
SCN8A	12	52056617	C	T	6	L	F	0.241	Likely Benign
SCN8A	12	52056618	T	A	6	L	H	0.725	Likely Benign
SCN8A	12	52056618	T	C	6	L	P	0.844	Likely Pathogenic
SCN8A	12	52056618	T	G	6	L	R	0.822	Likely Pathogenic
SCN8A	12	52056620	G	A	7	A	T	0.234	Likely Benign
SCN8A	12	52056620	G	C	7	A	P	0.155	Likely Benign
SCN8A	12	52056620	G	T	7	A	S	0.219	Likely Benign
SCN8A	12	52056621	C	A	7	A	E	0.396	Likely Benign
SCN8A	12	52056621	C	G	7	A	G	0.306	Likely Benign
SCN8A	12	52056621	C	T	7	A	V	0.096	Likely Benign
SCN8A	12	52056623	C	A	8	P	T	0.930	Likely Pathogenic
SCN8A	12	52056623	C	G	8	P	A	0.926	Likely Pathogenic
SCN8A	12	52056623	C	T	8	P	S	0.695	Likely Benign
SCN8A	12	52056624	C	A	8	P	Q	0.966	Likely Pathogenic
SCN8A	12	52056624	C	G	8	P	R	0.966	Likely Pathogenic
SCN8A	12	52056624	C	T	8	P	L	0.890	Likely Pathogenic
SCN8A	12	52056626	C	A	9	P	T	0.831	Likely Pathogenic
SCN8A	12	52056626	C	G	9	P	A	0.842	Likely Pathogenic
SCN8A	12	52056626	C	T	9	P	S	0.925	Likely Pathogenic
SCN8A	12	52056627	C	A	9	P	Q	0.938	Likely Pathogenic
SCN8A	12	52056627	C	G	9	P	R	0.840	Likely Pathogenic
SCN8A	12	52056627	C	T	9	P	L	0.569	Likely Benign
SCN8A	12	52056629	G	A	10	G	S	0.968	Likely Pathogenic
SCN8A	12	52056629	G	C	10	G	R	0.946	Likely Pathogenic
SCN8A	12	52056629	G	T	10	G	C	0.946	Likely Pathogenic
SCN8A	12	52056630	G	A	10	G	D	0.920	Likely Pathogenic
SCN8A	12	52056630	G	C	10	G	A	0.973	Likely Pathogenic
SCN8A	12	52056630	G	T	10	G	V	0.970	Likely Pathogenic
SCN8A	12	52056632	C	A	11	P	T	0.653	Likely Benign
SCN8A	12	52056632	C	G	11	P	A	0.907	Likely Pathogenic
SCN8A	12	52056632	C	T	11	P	S	0.856	Likely Pathogenic
SCN8A	12	52056633	C	A	11	P	H	0.954	Likely Pathogenic
SCN8A	12	52056633	C	G	11	P	R	0.872	Likely Pathogenic
SCN8A	12	52056633	C	T	11	P	L	0.816	Likely Pathogenic
SCN8A	12	52056635	G	A	12	D	N	0.212	Likely Benign
SCN8A	12	52056635	G	C	12	D	H	0.549	Likely Benign
SCN8A	12	52056635	G	T	12	D	Y	0.607	Likely Benign
SCN8A	12	52056636	A	C	12	D	A	0.356	Likely Benign
SCN8A	12	52056636	A	G	12	D	G	0.380	Likely Benign
SCN8A	12	52056636	A	T	12	D	V	0.801	Likely Pathogenic
SCN8A	12	52056637	T	A	12	D	E	0.131	Likely Benign
SCN8A	12	52056637	T	G	12	D	E	0.129	Likely Benign
SCN8A	12	52056638	A	C	13	S	R	0.935	Likely Pathogenic
SCN8A	12	52056638	A	G	13	S	G	0.751	Likely Benign
SCN8A	12	52056638	A	T	13	S	C	0.831	Likely Pathogenic
SCN8A	12	52056639	G	A	13	S	N	0.546	Likely Benign
SCN8A	12	52056639	G	C	13	S	T	0.950	Likely Pathogenic
SCN8A	12	52056639	G	T	13	S	I	0.904	Likely Pathogenic
SCN8A	12	52056640	T	A	13	S	R	0.941	Likely Pathogenic
SCN8A	12	52056640	T	G	13	S	R	0.940	Likely Pathogenic
SCN8A	12	52056641	T	A	14	F	I	0.796	Likely Pathogenic
SCN8A	12	52056641	T	C	14	F	L	0.283	Likely Benign
SCN8A	12	52056641	T	G	14	F	V	0.809	Likely Pathogenic
SCN8A	12	52056642	T	A	14	F	Y	0.689	Likely Benign
SCN8A	12	52056642	T	C	14	F	S	0.872	Likely Pathogenic
SCN8A	12	52056642	T	G	14	F	C	0.910	Likely Pathogenic
SCN8A	12	52056643	C	A	14	F	L	0.254	Likely Benign
SCN8A	12	52056643	C	G	14	F	L	0.254	Likely Benign
SCN8A	12	52056644	A	C	15	K	Q	0.222	Likely Benign
SCN8A	12	52056644	A	G	15	K	E	0.284	Likely Benign
SCN8A	12	52056645	A	C	15	K	T	0.391	Likely Benign
SCN8A	12	52056645	A	G	15	K	R	0.042	Likely Benign
SCN8A	12	52056645	A	T	15	K	M	0.473	Likely Benign
SCN8A	12	52056646	G	C	15	K	N	0.204	Likely Benign
SCN8A	12	52056646	G	T	15	K	N	0.204	Likely Benign
SCN8A	12	52056647	C	A	16	P	T	0.248	Likely Benign
SCN8A	12	52056647	C	G	16	P	A	0.171	Likely Benign
SCN8A	12	52056647	C	T	16	P	S	0.241	Likely Benign
SCN8A	12	52056648	C	A	16	P	H	0.217	Likely Benign
SCN8A	12	52056648	C	G	16	P	R	0.120	Likely Benign
SCN8A	12	52056648	C	T	16	P	L	0.167	Likely Benign
SCN8A	12	52056650	T	A	17	F	I	0.985	Likely Pathogenic
SCN8A	12	52056650	T	C	17	F	L	0.946	Likely Pathogenic
SCN8A	12	52056650	T	G	17	F	V	0.986	Likely Pathogenic
SCN8A	12	52056651	T	A	17	F	Y	0.967	Likely Pathogenic
SCN8A	12	52056651	T	C	17	F	S	0.986	Likely Pathogenic
SCN8A	12	52056651	T	G	17	F	C	0.986	Likely Pathogenic
SCN8A	12	52056652	C	A	17	F	L	0.902	Likely Pathogenic
SCN8A	12	52056652	C	G	17	F	L	0.897	Likely Pathogenic
SCN8A	12	52056653	A	C	18	T	P	0.977	Likely Pathogenic
SCN8A	12	52056653	A	G	18	T	A	0.971	Likely Pathogenic
SCN8A	12	52056653	A	T	18	T	S	0.938	Likely Pathogenic
SCN8A	12	52056654	C	A	18	T	N	0.960	Likely Pathogenic
SCN8A	12	52056654	C	G	18	T	S	0.962	Likely Pathogenic
SCN8A	12	52056654	C	T	18	T	I	0.982	Likely Pathogenic
SCN8A	12	52056656	C	A	19	P	T	0.235	Likely Benign
SCN8A	12	52056656	C	G	19	P	A	0.197	Likely Benign
SCN8A	12	52056656	C	T	19	P	S	0.181	Likely Benign
SCN8A	12	52056657	C	A	19	P	H	0.219	Likely Benign
SCN8A	12	52056657	C	G	19	P	R	0.038	Likely Benign
SCN8A	12	52056657	C	T	19	P	L	0.140	Likely Benign
SCN8A	12	52056659	G	A	20	E	K	0.963	Likely Pathogenic
SCN8A	12	52056659	G	C	20	E	Q	0.569	Likely Benign
SCN8A	12	52056660	A	C	20	E	A	0.936	Likely Pathogenic
SCN8A	12	52056660	A	G	20	E	G	0.971	Likely Pathogenic
SCN8A	12	52056660	A	T	20	E	V	0.971	Likely Pathogenic
SCN8A	12	52056661	G	C	20	E	D	0.493	Likely Benign
SCN8A	12	52056661	G	T	20	E	D	0.496	Likely Benign
SCN8A	12	52056662	T	A	21	S	T	0.959	Likely Pathogenic
SCN8A	12	52056662	T	C	21	S	P	0.983	Likely Pathogenic
SCN8A	12	52056662	T	G	21	S	A	0.976	Likely Pathogenic
SCN8A	12	52056663	C	T	21	S	L	0.970	Likely Pathogenic
SCN8A	12	52056665	C	A	22	L	M	0.969	Likely Pathogenic
SCN8A	12	52056665	C	G	22	L	V	0.955	Likely Pathogenic
SCN8A	12	52056666	T	A	22	L	Q	0.985	Likely Pathogenic
SCN8A	12	52056666	T	C	22	L	P	0.985	Likely Pathogenic
SCN8A	12	52056666	T	G	22	L	R	0.985	Likely Pathogenic
SCN8A	12	52056668	G	A	23	A	T	0.623	Likely Benign
SCN8A	12	52056668	G	C	23	A	P	0.737	Likely Benign
SCN8A	12	52056668	G	T	23	A	S	0.670	Likely Benign
SCN8A	12	52056669	C	A	23	A	E	0.251	Likely Benign
SCN8A	12	52056669	C	G	23	A	G	0.690	Likely Benign
SCN8A	12	52056669	C	T	23	A	V	0.229	Likely Benign
SCN8A	12	52056671	A	C	24	N	H	0.222	Likely Benign
SCN8A	12	52056671	A	G	24	N	D	0.196	Likely Benign
SCN8A	12	52056671	A	T	24	N	Y	0.331	Likely Benign
SCN8A	12	52056672	A	C	24	N	T	0.084	Likely Benign
SCN8A	12	52056672	A	G	24	N	S	0.196	Likely Benign
SCN8A	12	52056672	A	T	24	N	I	0.219	Likely Benign
SCN8A	12	52056673	C	A	24	N	K	0.155	Likely Benign
SCN8A	12	52056673	C	G	24	N	K	0.152	Likely Benign
SCN8A	12	52056674	A	C	25	I	L	0.455	Likely Benign
SCN8A	12	52056674	A	G	25	I	V	0.881	Likely Pathogenic
SCN8A	12	52056674	A	T	25	I	F	0.952	Likely Pathogenic
SCN8A	12	52056675	T	A	25	I	N	0.948	Likely Pathogenic
SCN8A	12	52056675	T	C	25	I	T	0.893	Likely Pathogenic
SCN8A	12	52056675	T	G	25	I	S	0.949	Likely Pathogenic
SCN8A	12	52056676	T	G	25	I	M	0.880	Likely Pathogenic
SCN8A	12	52056677	G	A	26	E	K	0.884	Likely Pathogenic
SCN8A	12	52056677	G	C	26	E	Q	0.880	Likely Pathogenic
SCN8A	12	52056678	A	C	26	E	A	0.978	Likely Pathogenic
SCN8A	12	52056678	A	G	26	E	G	0.978	Likely Pathogenic
SCN8A	12	52056678	A	T	26	E	V	0.979	Likely Pathogenic
SCN8A	12	52056679	G	C	26	E	D	0.942	Likely Pathogenic
SCN8A	12	52056679	G	T	26	E	D	0.942	Likely Pathogenic
SCN8A	12	52056680	A	G	27	R	G	0.417	Likely Benign
SCN8A	12	52056680	A	T	27	R	W	0.475	Likely Benign
SCN8A	12	52056681	G	A	27	R	K	0.045	Likely Benign
SCN8A	12	52056681	G	C	27	R	T	0.191	Likely Benign
SCN8A	12	52056681	G	T	27	R	M	0.318	Likely Benign
SCN8A	12	52056682	G	C	27	R	S	0.181	Likely Benign
SCN8A	12	52056682	G	T	27	R	S	0.181	Likely Benign
SCN8A	12	52056683	C	A	28	R	S	0.951	Likely Pathogenic
SCN8A	12	52056683	C	G	28	R	G	0.952	Likely Pathogenic
SCN8A	12	52056683	C	T	28	R	C	0.764	Likely Benign
SCN8A	12	52056684	G	A	28	R	H	0.649	Likely Benign
SCN8A	12	52056684	G	C	28	R	P	0.910	Likely Pathogenic
SCN8A	12	52056684	G	T	28	R	L	0.834	Likely Pathogenic
SCN8A	12	52056686	A	C	29	I	L	0.535	Likely Benign
SCN8A	12	52056686	A	G	29	I	V	0.660	Likely Benign
SCN8A	12	52056686	A	T	29	I	F	0.704	Likely Benign
SCN8A	12	52056687	T	A	29	I	N	0.794	Likely Pathogenic
SCN8A	12	52056687	T	C	29	I	T	0.570	Likely Benign
SCN8A	12	52056687	T	G	29	I	S	0.381	Likely Benign

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN1A	2	166930046	A	C	29	I	S	0.423	Likely Benign
SCN1A	2	166930046	A	G	29	I	T	0.609	Likely Benign
SCN1A	2	166930046	A	T	29	I	N	0.673	Likely Benign
SCN1A	2	166930045	A	C	29	I	M	0.428	Likely Benign
SCN1A	2	166930044	C	A	30	A	S	0.380	Likely Benign
SCN1A	2	166930044	C	G	30	A	P	0.809	Likely Pathogenic
SCN1A	2	166930044	C	T	30	A	T	0.679	Likely Benign
SCN1A	2	166930043	G	A	30	A	V	0.615	Likely Benign
SCN1A	2	166930043	G	C	30	A	G	0.767	Likely Benign
SCN1A	2	166930043	G	T	30	A	E	0.312	Likely Benign
SCN1A	2	166930041	C	G	31	E	Q	0.372	Likely Benign
SCN1A	2	166930041	C	T	31	E	K	0.326	Likely Benign
SCN1A	2	166930040	T	A	31	E	V	0.704	Likely Benign
SCN1A	2	166930040	T	C	31	E	G	0.697	Likely Benign
SCN1A	2	166930040	T	G	31	E	A	0.276	Likely Benign
SCN1A	2	166930039	T	A	31	E	D	0.315	Likely Benign
SCN1A	2	166930039	T	G	31	E	D	0.314	Likely Benign
SCN1A	2	166930038	C	G	32	E	Q	0.577	Likely Benign
SCN1A	2	166930038	C	T	32	E	K	0.454	Likely Benign
SCN1A	2	166930037	T	A	32	E	V	0.872	Likely Pathogenic
SCN1A	2	166930037	T	C	32	E	G	0.441	Likely Benign
SCN1A	2	166930037	T	G	32	E	A	0.674	Likely Benign
SCN1A	2	166930036	T	A	32	E	D	0.353	Likely Benign
SCN1A	2	166930036	T	G	32	E	D	0.353	Likely Benign
SCN1A	2	166930035	T	C	33	K	E	0.206	Likely Benign
SCN1A	2	166930035	T	G	33	K	Q	0.302	Likely Benign
SCN1A	2	166930034	T	A	33	K	M	0.765	Likely Benign
SCN1A	2	166930034	T	C	33	K	R	0.267	Likely Benign
SCN1A	2	166930034	T	G	33	K	T	0.598	Likely Benign
SCN1A	2	166930033	C	A	33	K	N	0.228	Likely Benign
SCN1A	2	166930033	C	G	33	K	N	0.229	Likely Benign
SCN1A	2	166930032	C	A	34	A	S	0.346	Likely Benign
SCN1A	2	166930032	C	G	34	A	P	0.852	Likely Pathogenic
SCN1A	2	166930032	C	T	34	A	T	0.605	Likely Benign
SCN1A	2	166930031	G	A	34	A	V	0.761	Likely Benign
SCN1A	2	166930031	G	C	34	A	G	0.519	Likely Benign
SCN1A	2	166930031	G	T	34	A	E	0.246	Likely Benign
SCN1A	2	166930029	T	C	35	K	E	0.303	Likely Benign
SCN1A	2	166930029	T	G	35	K	Q	0.255	Likely Benign
SCN1A	2	166930028	T	A	35	K	M	0.861	Likely Pathogenic
SCN1A	2	166930028	T	C	35	K	R	0.166	Likely Benign
SCN1A	2	166930028	T	G	35	K	T	0.662	Likely Benign
SCN1A	2	166930027	C	A	35	K	N	0.286	Likely Benign
SCN1A	2	166930027	C	G	35	K	N	0.285	Likely Benign
SCN1A	2	166930026	T	A	36	N	Y	0.356	Likely Benign
SCN1A	2	166930026	T	C	36	N	D	0.160	Likely Benign
SCN1A	2	166930026	T	G	36	N	H	0.250	Likely Benign
SCN1A	2	166930025	T	A	36	N	I	0.295	Likely Benign
SCN1A	2	166930025	T	C	36	N	S	0.134	Likely Benign
SCN1A	2	166930025	T	G	36	N	T	0.185	Likely Benign
SCN1A	2	166930024	A	C	36	N	K	0.035	Likely Benign
SCN1A	2	166930024	A	T	36	N	K	0.035	Likely Benign
SCN1A	2	166930023	G	A	37	P	S	0.150	Likely Benign
SCN1A	2	166930023	G	C	37	P	A	0.129	Likely Benign
SCN1A	2	166930023	G	T	37	P	T	0.212	Likely Benign
SCN1A	2	166930022	G	A	37	P	L	0.231	Likely Benign
SCN1A	2	166930022	G	C	37	P	R	0.212	Likely Benign
SCN1A	2	166930022	G	T	37	P	H	0.301	Likely Benign
SCN1A	2	166930020	T	C	38	K	E	0.225	Likely Benign
SCN1A	2	166930020	T	G	38	K	Q	0.274	Likely Benign
SCN1A	2	166930019	T	A	38	K	I	0.657	Likely Benign
SCN1A	2	166930019	T	C	38	K	R	0.215	Likely Benign
SCN1A	2	166930019	T	G	38	K	T	0.334	Likely Benign
SCN1A	2	166930018	T	A	38	K	N	0.588	Likely Benign
SCN1A	2	166930018	T	G	38	K	N	0.585	Likely Benign
SCN1A	2	166930017	G	A	39	P	S	0.054	Likely Benign
SCN1A	2	166930017	G	C	39	P	A	0.082	Likely Benign
SCN1A	2	166930017	G	T	39	P	T	0.099	Likely Benign
SCN1A	2	166930016	G	A	39	P	L	0.087	Likely Benign
SCN1A	2	166930016	G	C	39	P	R	0.094	Likely Benign
SCN1A	2	166930016	G	T	39	P	Q	0.042	Likely Benign
SCN1A	2	166930014	C	A	40	D	Y	0.171	Likely Benign
SCN1A	2	166930014	C	G	40	D	H	0.106	Likely Benign
SCN1A	2	166930014	C	T	40	D	N	0.169	Likely Benign
SCN1A	2	166930013	T	A	40	D	V	0.201	Likely Benign
SCN1A	2	166930013	T	C	40	D	G	0.154	Likely Benign
SCN1A	2	166930013	T	G	40	D	A	0.156	Likely Benign
SCN1A	2	166930012	G	C	40	D	E	0.049	Likely Benign
SCN1A	2	166930012	G	T	40	D	E	0.049	Likely Benign
SCN1A	2	166930011	T	C	41	K	E	0.154	Likely Benign
SCN1A	2	166930011	T	G	41	K	Q	0.143	Likely Benign
SCN1A	2	166930010	T	A	41	K	I	0.259	Likely Benign
SCN1A	2	166930010	T	C	41	K	R	0.087	Likely Benign
SCN1A	2	166930010	T	G	41	K	T	0.220	Likely Benign
SCN1A	2	166930009	T	A	41	K	N	0.202	Likely Benign
SCN1A	2	166930009	T	G	41	K	N	0.202	Likely Benign
SCN1A	2	166930008	T	C	42	K	E	0.122	Likely Benign
SCN1A	2	166930008	T	G	42	K	Q	0.202	Likely Benign
SCN1A	2	166930007	T	A	42	K	I	0.393	Likely Benign
SCN1A	2	166930007	T	C	42	K	R	0.141	Likely Benign
SCN1A	2	166930007	T	G	42	K	T	0.285	Likely Benign
SCN1A	2	166930006	T	A	42	K	N	0.272	Likely Benign
SCN1A	2	166930006	T	G	42	K	N	0.278	Likely Benign
SCN1A	2	166930005	C	A	43	D	Y	0.698	Likely Benign
SCN1A	2	166930005	C	G	43	D	H	0.656	Likely Benign
SCN1A	2	166930005	C	T	43	D	N	0.202	Likely Benign
SCN1A	2	166930004	T	A	43	D	V	0.651	Likely Benign
SCN1A	2	166930004	T	C	43	D	G	0.351	Likely Benign
SCN1A	2	166930004	T	G	43	D	A	0.261	Likely Benign
SCN1A	2	166930003	A	C	43	D	E	0.159	Likely Benign
SCN1A	2	166930003	A	T	43	D	E	0.160	Likely Benign
SCN1A	2	166930002	C	A	44	D	Y	0.736	Likely Benign
SCN1A	2	166930002	C	G	44	D	H	0.418	Likely Benign
SCN1A	2	166930002	C	T	44	D	N	0.486	Likely Benign
SCN1A	2	166930001	T	A	44	D	V	0.583	Likely Benign
SCN1A	2	166930001	T	C	44	D	G	0.262	Likely Benign
SCN1A	2	166930001	T	G	44	D	A	0.545	Likely Benign
SCN1A	2	166930000	G	C	44	D	E	0.241	Likely Benign
SCN1A	2	166930000	G	T	44	D	E	0.241	Likely Benign
SCN1A	2	166929999	C	A	45	D	Y	0.647	Likely Benign
SCN1A	2	166929999	C	G	45	D	H	0.457	Likely Benign
SCN1A	2	166929999	C	T	45	D	N	0.249	Likely Benign
SCN1A	2	166929998	T	A	45	D	V	0.805	Likely Pathogenic
SCN1A	2	166929998	T	C	45	D	G	0.558	Likely Benign
SCN1A	2	166929998	T	G	45	D	A	0.371	Likely Benign
SCN1A	2	166929997	G	C	45	D	E	0.115	Likely Benign
SCN1A	2	166929997	G	T	45	D	E	0.115	Likely Benign
SCN1A	2	166929996	C	G	46	E	Q	0.533	Likely Benign
SCN1A	2	166929996	C	T	46	E	K	0.305	Likely Benign
SCN1A	2	166929995	T	A	46	E	V	0.475	Likely Benign
SCN1A	2	166929995	T	C	46	E	G	0.771	Likely Benign
SCN1A	2	166929995	T	G	46	E	A	0.756	Likely Benign
SCN1A	2	166929994	T	A	46	E	D	0.219	Likely Benign
SCN1A	2	166929994	T	G	46	E	D	0.219	Likely Benign
SCN1A	2	166929993	T	A	47	N	Y	0.536	Likely Benign
SCN1A	2	166929993	T	C	47	N	D	0.223	Likely Benign
SCN1A	2	166929993	T	G	47	N	H	0.352	Likely Benign
SCN1A	2	166929992	T	A	47	N	I	0.432	Likely Benign
SCN1A	2	166929992	T	C	47	N	S	0.184	Likely Benign
SCN1A	2	166929992	T	G	47	N	T	0.256	Likely Benign
SCN1A	2	166929991	A	C	47	N	K	0.206	Likely Benign
SCN1A	2	166929991	A	T	47	N	K	0.206	Likely Benign
SCN1A	2	166929990	C	A	48	G	C	0.648	Likely Benign
SCN1A	2	166929990	C	G	48	G	R	0.268	Likely Benign
SCN1A	2	166929990	C	T	48	G	S	0.253	Likely Benign
SCN1A	2	166929989	C	A	48	G	V	0.301	Likely Benign
SCN1A	2	166929989	C	G	48	G	A	0.184	Likely Benign
SCN1A	2	166929989	C	T	48	G	D	0.181	Likely Benign
SCN1A	2	166929987	G	A	49	P	S	0.580	Likely Benign
SCN1A	2	166929987	G	C	49	P	A	0.444	Likely Benign
SCN1A	2	166929987	G	T	49	P	T	0.658	Likely Benign
SCN1A	2	166929986	G	A	49	P	L	0.198	Likely Benign
SCN1A	2	166929986	G	C	49	P	R	0.308	Likely Benign
SCN1A	2	166929986	G	T	49	P	Q	0.641	Likely Benign
SCN1A	2	166929984	T	C	50	K	E	0.487	Likely Benign
SCN1A	2	166929984	T	G	50	K	Q	0.286	Likely Benign
SCN1A	2	166929983	T	A	50	K	M	0.923	Likely Pathogenic
SCN1A	2	166929983	T	C	50	K	R	0.190	Likely Benign
SCN1A	2	166929983	T	G	50	K	T	0.458	Likely Benign
SCN1A	2	166929982	C	A	50	K	N	0.700	Likely Benign
SCN1A	2	166929982	C	G	50	K	N	0.701	Likely Benign
SCN1A	2	166929981	G	A	51	P	S	0.908	Likely Pathogenic
SCN1A	2	166929981	G	C	51	P	A	0.790	Likely Pathogenic
SCN1A	2	166929981	G	T	51	P	T	0.939	Likely Pathogenic
SCN1A	2	166929980	G	A	51	P	L	0.975	Likely Pathogenic
SCN1A	2	166929980	G	C	51	P	R	0.948	Likely Pathogenic
SCN1A	2	166929980	G	T	51	P	Q	0.979	Likely Pathogenic
SCN1A	2	166929978	T	A	52	N	Y	0.837	Likely Pathogenic
SCN1A	2	166929978	T	C	52	N	D	0.254	Likely Benign
SCN1A	2	166929978	T	G	52	N	H	0.662	Likely Benign
SCN1A	2	166929977	T	A	52	N	I	0.797	Likely Pathogenic
SCN1A	2	166929977	T	C	52	N	S	0.151	Likely Benign
SCN1A	2	166929977	T	G	52	N	T	0.674	Likely Benign
SCN1A	2	166929976	A	C	52	N	K	0.352	Likely Benign
SCN1A	2	166929976	A	T	52	N	K	0.360	Likely Benign
SCN1A	2	166929975	T	A	53	S	C	0.388	Likely Benign
SCN1A	2	166929975	T	C	53	S	G	0.230	Likely Benign
SCN1A	2	166929975	T	G	53	S	R	0.210	Likely Benign
SCN1A	2	166929974	C	A	53	S	I	0.373	Likely Benign
SCN1A	2	166929974	C	G	53	S	T	0.311	Likely Benign
SCN1A	2	166929974	C	T	53	S	N	0.274	Likely Benign
SCN1A	2	166929973	A	C	53	S	R	0.202	Likely Benign
SCN1A	2	166929973	A	T	53	S	R	0.195	Likely Benign
SCN1A	2	166929972	C	A	54	D	Y	0.916	Likely Pathogenic
SCN1A	2	166929972	C	G	54	D	H	0.866	Likely Pathogenic
SCN1A	2	166929972	C	T	54	D	N	0.789	Likely Pathogenic
SCN1A	2	166929971	T	A	54	D	V	0.886	Likely Pathogenic
SCN1A	2	166929971	T	C	54	D	G	0.413	Likely Benign
SCN1A	2	166929971	T	G	54	D	A	0.726	Likely Benign
SCN1A	2	166929970	G	C	54	D	E	0.557	Likely Benign
SCN1A	2	166929970	G	T	54	D	E	0.557	Likely Benign
SCN1A	2	166929969	A	C	55	L	V	0.891	Likely Pathogenic
SCN1A	2	166929969	A	T	55	L	M	0.957	Likely Pathogenic
SCN1A	2	166929968	A	C	55	L	W	0.984	Likely Pathogenic
SCN1A	2	166929968	A	G	55	L	S	0.984	Likely Pathogenic
SCN1A	2	166929967	C	A	55	L	F	0.924	Likely Pathogenic
SCN1A	2	166929967	C	G	55	L	F	0.922	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN2A	2	166152419	T	C	29	I	T	0.492	Likely Benign
SCN2A	2	166152419	T	G	29	I	S	0.365	Likely Benign
SCN2A	2	166152420	T	G	29	I	M	0.431	Likely Benign
SCN2A	2	166152421	G	A	30	A	T	0.467	Likely Benign
SCN2A	2	166152421	G	C	30	A	P	0.729	Likely Benign
SCN2A	2	166152421	G	T	30	A	S	0.241	Likely Benign
SCN2A	2	166152422	C	A	30	A	E	0.302	Likely Benign
SCN2A	2	166152422	C	G	30	A	G	0.741	Likely Benign
SCN2A	2	166152422	C	T	30	A	V	0.521	Likely Benign
SCN2A	2	166152424	G	A	31	E	K	0.395	Likely Benign
SCN2A	2	166152424	G	C	31	E	Q	0.372	Likely Benign
SCN2A	2	166152425	A	C	31	E	A	0.44	Likely Benign
SCN2A	2	166152425	A	G	31	E	G	0.823	Likely Pathogenic
SCN2A	2	166152425	A	T	31	E	V	0.848	Likely Pathogenic
SCN2A	2	166152426	A	C	31	E	D	0.312	Likely Benign
SCN2A	2	166152426	A	T	31	E	D	0.315	Likely Benign
SCN2A	2	166152427	G	A	32	E	K	0.535	Likely Benign
SCN2A	2	166152427	G	C	32	E	Q	0.633	Likely Benign
SCN2A	2	166152428	A	C	32	E	A	0.71	Likely Benign
SCN2A	2	166152428	A	G	32	E	G	0.654	Likely Benign
SCN2A	2	166152428	A	T	32	E	V	0.967	Likely Pathogenic
SCN2A	2	166152429	G	C	32	E	D	0.441	Likely Benign
SCN2A	2	166152429	G	T	32	E	D	0.441	Likely Benign
SCN2A	2	166152430	A	C	33	K	Q	0.351	Likely Benign
SCN2A	2	166152430	A	G	33	K	E	0.238	Likely Benign
SCN2A	2	166152431	A	C	33	K	T	0.631	Likely Benign
SCN2A	2	166152431	A	G	33	K	R	0.27	Likely Benign
SCN2A	2	166152431	A	T	33	K	I	0.724	Likely Benign
SCN2A	2	166152432	A	C	33	K	N	0.357	Likely Benign
SCN2A	2	166152432	A	T	33	K	N	0.364	Likely Benign
SCN2A	2	166152433	G	A	34	A	T	0.452	Likely Benign
SCN2A	2	166152433	G	C	34	A	P	0.774	Likely Benign
SCN2A	2	166152433	G	T	34	A	S	0.298	Likely Benign
SCN2A	2	166152434	C	A	34	A	D	0.325	Likely Benign
SCN2A	2	166152434	C	G	34	A	G	0.441	Likely Benign
SCN2A	2	166152434	C	T	34	A	V	0.609	Likely Benign
SCN2A	2	166152436	A	C	35	K	Q	0.253	Likely Benign
SCN2A	2	166152436	A	G	35	K	E	0.419	Likely Benign
SCN2A	2	166152437	A	C	35	K	T	0.545	Likely Benign
SCN2A	2	166152437	A	G	35	K	R	0.164	Likely Benign
SCN2A	2	166152437	A	T	35	K	M	0.777	Likely Benign
SCN2A	2	166152438	G	C	35	K	N	0.257	Likely Benign
SCN2A	2	166152438	G	T	35	K	N	0.256	Likely Benign
SCN2A	2	166152439	A	G	36	R	G	0.182	Likely Benign
SCN2A	2	166152440	G	A	36	R	K	0.052	Likely Benign
SCN2A	2	166152440	G	C	36	R	T	0.187	Likely Benign
SCN2A	2	166152440	G	T	36	R	I	0.221	Likely Benign
SCN2A	2	166152441	A	C	36	R	S	0.202	Likely Benign
SCN2A	2	166152441	A	T	36	R	S	0.198	Likely Benign
SCN2A	2	166152442	C	A	37	P	T	0.209	Likely Benign
SCN2A	2	166152442	C	G	37	P	A	0.147	Likely Benign
SCN2A	2	166152442	C	T	37	P	S	0.158	Likely Benign
SCN2A	2	166152443	C	A	37	P	H	0.19	Likely Benign
SCN2A	2	166152443	C	G	37	P	R	0.203	Likely Benign
SCN2A	2	166152443	C	T	37	P	L	0.221	Likely Benign
SCN2A	2	166152445	A	C	38	K	Q	0.228	Likely Benign
SCN2A	2	166152445	A	G	38	K	E	0.22	Likely Benign
SCN2A	2	166152446	A	C	38	K	T	0.306	Likely Benign
SCN2A	2	166152446	A	G	38	K	R	0.205	Likely Benign
SCN2A	2	166152446	A	T	38	K	I	0.641	Likely Benign
SCN2A	2	166152447	A	C	38	K	N	0.388	Likely Benign
SCN2A	2	166152447	A	T	38	K	N	0.39	Likely Benign
SCN2A	2	166152448	C	A	39	Q	K	0.087	Likely Benign
SCN2A	2	166152448	C	G	39	Q	E	0.087	Likely Benign
SCN2A	2	166152449	A	C	39	Q	P	0.138	Likely Benign
SCN2A	2	166152449	A	G	39	Q	R	0.131	Likely Benign
SCN2A	2	166152449	A	T	39	Q	L	0.211	Likely Benign
SCN2A	2	166152450	G	C	39	Q	H	0.251	Likely Benign
SCN2A	2	166152450	G	T	39	Q	H	0.256	Likely Benign
SCN2A	2	166152451	G	A	40	E	K	0.183	Likely Benign
SCN2A	2	166152451	G	C	40	E	Q	0.229	Likely Benign
SCN2A	2	166152452	A	C	40	E	A	0.317	Likely Benign
SCN2A	2	166152452	A	G	40	E	G	0.286	Likely Benign
SCN2A	2	166152452	A	T	40	E	V	0.674	Likely Benign
SCN2A	2	166152453	A	C	40	E	D	0.195	Likely Benign
SCN2A	2	166152453	A	T	40	E	D	0.195	Likely Benign
SCN2A	2	166152454	C	A	41	R	S	0.181	Likely Benign
SCN2A	2	166152454	C	G	41	R	G	0.287	Likely Benign
SCN2A	2	166152454	C	T	41	R	C	0.322	Likely Benign
SCN2A	2	166152455	G	A	41	R	H	0.108	Likely Benign
SCN2A	2	166152455	G	C	41	R	P	0.197	Likely Benign
SCN2A	2	166152455	G	T	41	R	L	0.174	Likely Benign
SCN2A	2	166152457	A	C	42	K	Q	0.192	Likely Benign
SCN2A	2	166152457	A	G	42	K	E	0.173	Likely Benign
SCN2A	2	166152458	A	C	42	K	T	0.209	Likely Benign
SCN2A	2	166152458	A	G	42	K	R	0.086	Likely Benign
SCN2A	2	166152458	A	T	42	K	M	0.267	Likely Benign
SCN2A	2	166152459	G	C	42	K	N	0.211	Likely Benign
SCN2A	2	166152459	G	T	42	K	N	0.215	Likely Benign
SCN2A	2	166152460	G	A	43	D	N	0.221	Likely Benign
SCN2A	2	166152460	G	C	43	D	H	0.66	Likely Benign
SCN2A	2	166152460	G	T	43	D	Y	0.625	Likely Benign
SCN2A	2	166152461	A	C	43	D	A	0.246	Likely Benign
SCN2A	2	166152461	A	G	43	D	G	0.317	Likely Benign
SCN2A	2	166152461	A	T	43	D	V	0.588	Likely Benign
SCN2A	2	166152462	T	A	43	D	E	0.147	Likely Benign
SCN2A	2	166152462	T	G	43	D	E	0.147	Likely Benign
SCN2A	2	166152463	G	A	44	E	K	0.132	Likely Benign
SCN2A	2	166152463	G	C	44	E	Q	0.179	Likely Benign
SCN2A	2	166152464	A	C	44	E	A	0.206	Likely Benign
SCN2A	2	166152464	A	G	44	E	G	0.212	Likely Benign
SCN2A	2	166152464	A	T	44	E	V	0.229	Likely Benign
SCN2A	2	166152465	G	C	44	E	D	0.079	Likely Benign
SCN2A	2	166152465	G	T	44	E	D	0.079	Likely Benign
SCN2A	2	166152466	G	A	45	D	N	0.546	Likely Benign
SCN2A	2	166152466	G	C	45	D	H	0.287	Likely Benign
SCN2A	2	166152466	G	T	45	D	Y	0.673	Likely Benign
SCN2A	2	166152467	A	C	45	D	A	0.599	Likely Benign
SCN2A	2	166152467	A	G	45	D	G	0.338	Likely Benign
SCN2A	2	166152467	A	T	45	D	V	0.733	Likely Benign
SCN2A	2	166152468	T	A	45	D	E	0.314	Likely Benign
SCN2A	2	166152468	T	G	45	D	E	0.265	Likely Benign
SCN2A	2	166152469	G	A	46	D	N	0.262	Likely Benign
SCN2A	2	166152469	G	C	46	D	H	0.453	Likely Benign
SCN2A	2	166152469	G	T	46	D	Y	0.616	Likely Benign
SCN2A	2	166152470	A	C	46	D	A	0.351	Likely Benign
SCN2A	2	166152470	A	G	46	D	G	0.709	Likely Benign
SCN2A	2	166152470	A	T	46	D	V	0.854	Likely Pathogenic
SCN2A	2	166152471	T	A	46	D	E	0.095	Likely Benign
SCN2A	2	166152471	T	G	46	D	E	0.095	Likely Benign
SCN2A	2	166152472	G	A	47	E	K	0.282	Likely Benign
SCN2A	2	166152472	G	C	47	E	Q	0.459	Likely Benign
SCN2A	2	166152473	A	C	47	E	A	0.578	Likely Benign
SCN2A	2	166152473	A	G	47	E	G	0.635	Likely Benign
SCN2A	2	166152473	A	T	47	E	V	0.495	Likely Benign
SCN2A	2	166152474	A	C	47	E	D	0.206	Likely Benign
SCN2A	2	166152474	A	T	47	E	D	0.205	Likely Benign
SCN2A	2	166152475	A	C	48	N	H	0.295	Likely Benign
SCN2A	2	166152475	A	G	48	N	D	0.166	Likely Benign
SCN2A	2	166152475	A	T	48	N	Y	0.38	Likely Benign
SCN2A	2	166152476	A	C	48	N	T	0.268	Likely Benign
SCN2A	2	166152476	A	G	48	N	S	0.194	Likely Benign
SCN2A	2	166152476	A	T	48	N	I	0.694	Likely Benign
SCN2A	2	166152477	T	A	48	N	K	0.235	Likely Benign
SCN2A	2	166152477	T	G	48	N	K	0.231	Likely Benign
SCN2A	2	166152478	G	A	49	G	S	0.238	Likely Benign
SCN2A	2	166152478	G	C	49	G	R	0.285	Likely Benign
SCN2A	2	166152478	G	T	49	G	C	0.618	Likely Benign
SCN2A	2	166152479	G	A	49	G	D	0.196	Likely Benign
SCN2A	2	166152479	G	C	49	G	A	0.191	Likely Benign
SCN2A	2	166152479	G	T	49	G	V	0.343	Likely Benign
SCN2A	2	166152481	C	A	50	P	T	0.787	Likely Pathogenic
SCN2A	2	166152481	C	G	50	P	A	0.602	Likely Benign
SCN2A	2	166152481	C	T	50	P	S	0.686	Likely Benign
SCN2A	2	166152482	C	A	50	P	Q	0.668	Likely Benign
SCN2A	2	166152482	C	G	50	P	R	0.423	Likely Benign
SCN2A	2	166152482	C	T	50	P	L	0.367	Likely Benign
SCN2A	2	166152484	A	C	51	K	Q	0.567	Likely Benign
SCN2A	2	166152484	A	G	51	K	E	0.73	Likely Benign
SCN2A	2	166152485	A	C	51	K	T	0.698	Likely Benign
SCN2A	2	166152485	A	G	51	K	R	0.273	Likely Benign
SCN2A	2	166152485	A	T	51	K	M	0.96	Likely Pathogenic
SCN2A	2	166152486	G	C	51	K	N	0.899	Likely Pathogenic
SCN2A	2	166152486	G	T	51	K	N	0.898	Likely Pathogenic
SCN2A	2	166152487	C	A	52	P	T	0.946	Likely Pathogenic
SCN2A	2	166152487	C	G	52	P	A	0.854	Likely Pathogenic
SCN2A	2	166152487	C	T	52	P	S	0.944	Likely Pathogenic
SCN2A	2	166152488	C	A	52	P	Q	0.985	Likely Pathogenic
SCN2A	2	166152488	C	G	52	P	R	0.96	Likely Pathogenic
SCN2A	2	166152488	C	T	52	P	L	0.981	Likely Pathogenic
SCN2A	2	166152490	A	C	53	N	H	0.676	Likely Benign
SCN2A	2	166152490	A	G	53	N	D	0.307	Likely Benign
SCN2A	2	166152490	A	T	53	N	Y	0.924	Likely Pathogenic
SCN2A	2	166152491	A	C	53	N	T	0.671	Likely Benign
SCN2A	2	166152491	A	G	53	N	S	0.173	Likely Benign
SCN2A	2	166152491	A	T	53	N	I	0.915	Likely Pathogenic
SCN2A	2	166152492	C	A	53	N	K	0.607	Likely Benign
SCN2A	2	166152492	C	G	53	N	K	0.573	Likely Benign
SCN2A	2	166152493	A	C	54	S	R	0.294	Likely Benign
SCN2A	2	166152493	A	G	54	S	G	0.248	Likely Benign
SCN2A	2	166152493	A	T	54	S	C	0.556	Likely Benign
SCN2A	2	166152494	G	A	54	S	N	0.32	Likely Benign
SCN2A	2	166152494	G	C	54	S	T	0.382	Likely Benign
SCN2A	2	166152494	G	T	54	S	I	0.662	Likely Benign
SCN2A	2	166152495	T	A	54	S	R	0.399	Likely Benign
SCN2A	2	166152495	T	G	54	S	R	0.41	Likely Benign
SCN2A	2	166152496	G	A	55	D	N	0.914	Likely Pathogenic
SCN2A	2	166152496	G	C	55	D	H	0.972	Likely Pathogenic
SCN2A	2	166152496	G	T	55	D	Y	0.964	Likely Pathogenic
SCN2A	2	166152497	A	C	55	D	A	0.945	Likely Pathogenic
SCN2A	2	166152497	A	G	55	D	G	0.868	Likely Pathogenic
SCN2A	2	166152497	A	T	55	D	V	0.971	Likely Pathogenic
SCN2A	2	166152498	C	A	55	D	E	0.788	Likely Pathogenic
SCN2A	2	166152498	C	G	55	D	E	0.784	Likely Pathogenic
SCN2A	2	166152499	T	A	56	L	M	0.971	Likely Pathogenic
SCN2A	2	166152499	T	G	56	L	V	0.923	Likely Pathogenic
SCN2A	2	166152500	T	C	56	L	S	0.986	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN8A	12	52056688	T	G	29	I	M	0.434	Likely Benign
SCN8A	12	52056689	G	A	30	A	T	0.589	Likely Benign
SCN8A	12	52056689	G	C	30	A	P	0.772	Likely Benign
SCN8A	12	52056689	G	T	30	A	S	0.330	Likely Benign
SCN8A	12	52056690	C	A	30	A	D	0.686	Likely Benign
SCN8A	12	52056690	C	G	30	A	G	0.659	Likely Benign
SCN8A	12	52056690	C	T	30	A	V	0.460	Likely Benign
SCN8A	12	52056692	G	A	31	E	K	0.473	Likely Benign
SCN8A	12	52056692	G	C	31	E	Q	0.474	Likely Benign
SCN8A	12	52056693	A	C	31	E	A	0.466	Likely Benign
SCN8A	12	52056693	A	G	31	E	G	0.868	Likely Pathogenic
SCN8A	12	52056693	A	T	31	E	V	0.860	Likely Pathogenic
SCN8A	12	52056694	G	C	31	E	D	0.408	Likely Benign
SCN8A	12	52056694	G	T	31	E	D	0.408	Likely Benign
SCN8A	12	52056695	A	C	32	S	R	0.091	Likely Benign
SCN8A	12	52056695	A	G	32	S	G	0.064	Likely Benign
SCN8A	12	52056695	A	T	32	S	C	0.183	Likely Benign
SCN8A	12	52056696	G	A	32	S	N	0.138	Likely Benign
SCN8A	12	52056696	G	C	32	S	T	0.089	Likely Benign
SCN8A	12	52056696	G	T	32	S	I	0.145	Likely Benign
SCN8A	12	52056697	C	A	32	S	R	0.095	Likely Benign
SCN8A	12	52056697	C	G	32	S	R	0.094	Likely Benign
SCN8A	12	52056698	A	C	33	K	Q	0.342	Likely Benign
SCN8A	12	52056698	A	G	33	K	E	0.307	Likely Benign
SCN8A	12	52056699	A	C	33	K	T	0.770	Likely Benign
SCN8A	12	52056699	A	G	33	K	R	0.358	Likely Benign
SCN8A	12	52056699	A	T	33	K	M	0.870	Likely Pathogenic
SCN8A	12	52056700	G	C	33	K	N	0.305	Likely Benign
SCN8A	12	52056700	G	T	33	K	N	0.305	Likely Benign
SCN8A	12	52056701	C	A	34	L	I	0.093	Likely Benign
SCN8A	12	52056701	C	G	34	L	V	0.097	Likely Benign
SCN8A	12	52056701	C	T	34	L	F	0.092	Likely Benign
SCN8A	12	52056702	T	A	34	L	H	0.137	Likely Benign
SCN8A	12	52056702	T	C	34	L	P	0.113	Likely Benign
SCN8A	12	52056702	T	G	34	L	R	0.075	Likely Benign
SCN8A	12	52056704	A	C	35	K	Q	0.372	Likely Benign
SCN8A	12	52056704	A	G	35	K	E	0.321	Likely Benign
SCN8A	12	52056705	A	C	35	K	T	0.557	Likely Benign
SCN8A	12	52056705	A	G	35	K	R	0.189	Likely Benign
SCN8A	12	52056705	A	T	35	K	M	0.823	Likely Pathogenic
SCN8A	12	52056706	G	C	35	K	N	0.420	Likely Benign
SCN8A	12	52056706	G	T	35	K	N	0.420	Likely Benign
SCN8A	12	52056707	A	C	36	K	Q	0.196	Likely Benign
SCN8A	12	52056707	A	G	36	K	E	0.227	Likely Benign
SCN8A	12	52056708	A	C	36	K	T	0.529	Likely Benign
SCN8A	12	52056708	A	G	36	K	R	0.189	Likely Benign
SCN8A	12	52056708	A	T	36	K	I	0.746	Likely Benign
SCN8A	12	52056709	A	C	36	K	N	0.210	Likely Benign
SCN8A	12	52056709	A	T	36	K	N	0.213	Likely Benign
SCN8A	12	52056710	C	A	37	P	T	0.246	Likely Benign
SCN8A	12	52056710	C	G	37	P	A	0.143	Likely Benign
SCN8A	12	52056710	C	T	37	P	S	0.172	Likely Benign
SCN8A	12	52056711	C	A	37	P	Q	0.171	Likely Benign
SCN8A	12	52056711	C	G	37	P	R	0.197	Likely Benign
SCN8A	12	52056711	C	T	37	P	L	0.232	Likely Benign
SCN8A	12	52056713	C	A	38	P	T	0.153	Likely Benign
SCN8A	12	52056713	C	G	38	P	A	0.125	Likely Benign
SCN8A	12	52056713	C	T	38	P	S	0.127	Likely Benign
SCN8A	12	52056714	C	A	38	P	Q	0.175	Likely Benign
SCN8A	12	52056714	C	G	38	P	R	0.141	Likely Benign
SCN8A	12	52056714	C	T	38	P	L	0.212	Likely Benign
SCN8A	12	52056716	A	C	39	K	Q	0.273	Likely Benign
SCN8A	12	52056716	A	G	39	K	E	0.204	Likely Benign
SCN8A	12	52056717	A	C	39	K	T	0.308	Likely Benign
SCN8A	12	52056717	A	G	39	K	R	0.187	Likely Benign
SCN8A	12	52056717	A	T	39	K	M	0.583	Likely Benign
SCN8A	12	52056718	G	C	39	K	N	0.214	Likely Benign
SCN8A	12	52056718	G	T	39	K	N	0.214	Likely Benign
SCN8A	12	52056719	G	A	40	A	T	0.136	Likely Benign
SCN8A	12	52056719	G	C	40	A	P	0.106	Likely Benign
SCN8A	12	52056719	G	T	40	A	S	0.077	Likely Benign
SCN8A	12	52056720	C	A	40	A	D	0.141	Likely Benign
SCN8A	12	52056720	C	G	40	A	G	0.141	Likely Benign
SCN8A	12	52056720	C	T	40	A	V	0.144	Likely Benign
SCN8A	12	52056722	G	A	41	D	N	0.246	Likely Benign
SCN8A	12	52056722	G	C	41	D	H	0.233	Likely Benign
SCN8A	12	52056722	G	T	41	D	Y	0.290	Likely Benign
SCN8A	12	52056723	A	C	41	D	A	0.215	Likely Benign
SCN8A	12	52056723	A	G	41	D	G	0.269	Likely Benign
SCN8A	12	52056723	A	T	41	D	V	0.299	Likely Benign
SCN8A	12	52056724	T	A	41	D	E	0.089	Likely Benign
SCN8A	12	52056724	T	G	41	D	E	0.089	Likely Benign
SCN8A	12	52056725	G	A	42	G	S	0.053	Likely Benign
SCN8A	12	52056725	G	C	42	G	R	0.088	Likely Benign
SCN8A	12	52056725	G	T	42	G	C	0.185	Likely Benign
SCN8A	12	52056726	G	A	42	G	D	0.076	Likely Benign
SCN8A	12	52056726	G	C	42	G	A	0.100	Likely Benign
SCN8A	12	52056726	G	T	42	G	V	0.138	Likely Benign
SCN8A	12	52056728	A	C	43	S	R	0.195	Likely Benign
SCN8A	12	52056728	A	G	43	S	G	0.238	Likely Benign
SCN8A	12	52056728	A	T	43	S	C	0.670	Likely Benign
SCN8A	12	52056729	G	A	43	S	N	0.234	Likely Benign
SCN8A	12	52056729	G	C	43	S	T	0.172	Likely Benign
SCN8A	12	52056729	G	T	43	S	I	0.307	Likely Benign
SCN8A	12	52056730	T	A	43	S	R	0.199	Likely Benign
SCN8A	12	52056730	T	G	43	S	R	0.194	Likely Benign
SCN8A	12	52056731	C	A	44	H	N	0.238	Likely Benign
SCN8A	12	52056731	C	G	44	H	D	0.180	Likely Benign
SCN8A	12	52056731	C	T	44	H	Y	0.142	Likely Benign
SCN8A	12	52056732	A	C	44	H	P	0.208	Likely Benign
SCN8A	12	52056732	A	G	44	H	R	0.124	Likely Benign
SCN8A	12	52056732	A	T	44	H	L	0.181	Likely Benign
SCN8A	12	52056733	T	A	44	H	Q	0.194	Likely Benign
SCN8A	12	52056733	T	G	44	H	Q	0.193	Likely Benign
SCN8A	12	52056734	C	G	45	R	G	0.464	Likely Benign
SCN8A	12	52056734	C	T	45	R	W	0.678	Likely Benign
SCN8A	12	52056735	G	A	45	R	Q	0.256	Likely Benign
SCN8A	12	52056735	G	C	45	R	P	0.560	Likely Benign
SCN8A	12	52056735	G	T	45	R	L	0.472	Likely Benign
SCN8A	12	52056737	G	A	46	E	K	0.105	Likely Benign
SCN8A	12	52056737	G	C	46	E	Q	0.143	Likely Benign
SCN8A	12	52056738	A	C	46	E	A	0.142	Likely Benign
SCN8A	12	52056738	A	G	46	E	G	0.176	Likely Benign
SCN8A	12	52056738	A	T	46	E	V	0.221	Likely Benign
SCN8A	12	52056739	G	C	46	E	D	0.051	Likely Benign
SCN8A	12	52056739	G	T	46	E	D	0.051	Likely Benign
SCN8A	12	52056740	G	A	47	D	N	0.257	Likely Benign
SCN8A	12	52056740	G	C	47	D	H	0.389	Likely Benign
SCN8A	12	52056740	G	T	47	D	Y	0.338	Likely Benign
SCN8A	12	52056741	A	C	47	D	A	0.204	Likely Benign
SCN8A	12	52056741	A	G	47	D	G	0.242	Likely Benign
SCN8A	12	52056741	A	T	47	D	V	0.307	Likely Benign
SCN8A	12	52056742	C	A	47	D	E	0.112	Likely Benign
SCN8A	12	52056742	C	G	47	D	E	0.112	Likely Benign
SCN8A	12	52056743	G	A	48	D	N	0.475	Likely Benign
SCN8A	12	52056743	G	C	48	D	H	0.314	Likely Benign
SCN8A	12	52056743	G	T	48	D	Y	0.658	Likely Benign
SCN8A	12	52056744	A	C	48	D	A	0.350	Likely Benign
SCN8A	12	52056744	A	G	48	D	G	0.264	Likely Benign
SCN8A	12	52056744	A	T	48	D	V	0.561	Likely Benign
SCN8A	12	52056745	T	A	48	D	E	0.186	Likely Benign
SCN8A	12	52056745	T	G	48	D	E	0.187	Likely Benign
SCN8A	12	52056746	G	A	49	E	K	0.270	Likely Benign
SCN8A	12	52056746	G	C	49	E	Q	0.246	Likely Benign
SCN8A	12	52056747	A	C	49	E	A	0.416	Likely Benign
SCN8A	12	52056747	A	G	49	E	G	0.561	Likely Benign
SCN8A	12	52056747	A	T	49	E	V	0.762	Likely Benign
SCN8A	12	52056748	G	C	49	E	D	0.102	Likely Benign
SCN8A	12	52056748	G	T	49	E	D	0.102	Likely Benign
SCN8A	12	52056749	G	A	50	D	N	0.366	Likely Benign
SCN8A	12	52056749	G	C	50	D	H	0.502	Likely Benign
SCN8A	12	52056749	G	T	50	D	Y	0.425	Likely Benign
SCN8A	12	52056750	A	C	50	D	A	0.259	Likely Benign
SCN8A	12	52056750	A	G	50	D	G	0.319	Likely Benign
SCN8A	12	52056750	A	T	50	D	V	0.264	Likely Benign
SCN8A	12	52056751	C	A	50	D	E	0.034	Likely Benign
SCN8A	12	52056751	C	G	50	D	E	0.034	Likely Benign
SCN8A	12	52056752	A	C	51	S	R	0.119	Likely Benign
SCN8A	12	52056752	A	G	51	S	G	0.131	Likely Benign
SCN8A	12	52056752	A	T	51	S	C	0.129	Likely Benign
SCN8A	12	52056753	G	A	51	S	N	0.036	Likely Benign
SCN8A	12	52056753	G	C	51	S	T	0.119	Likely Benign
SCN8A	12	52056753	G	T	51	S	I	0.229	Likely Benign
SCN8A	12	52056754	C	A	51	S	R	0.116	Likely Benign
SCN8A	12	52056754	C	G	51	S	R	0.116	Likely Benign
SCN8A	12	52056755	A	C	52	K	Q	0.171	Likely Benign
SCN8A	12	52056755	A	G	52	K	E	0.125	Likely Benign
SCN8A	12	52056756	A	C	52	K	T	0.365	Likely Benign
SCN8A	12	52056756	A	G	52	K	R	0.204	Likely Benign
SCN8A	12	52056756	A	T	52	K	M	0.644	Likely Benign
SCN8A	12	52056757	G	C	52	K	N	0.218	Likely Benign
SCN8A	12	52056757	G	T	52	K	N	0.234	Likely Benign
SCN8A	12	52056758	C	A	53	P	T	0.793	Likely Pathogenic
SCN8A	12	52056758	C	G	53	P	A	0.454	Likely Benign
SCN8A	12	52056758	C	T	53	P	S	0.635	Likely Benign
SCN8A	12	52056759	C	A	53	P	H	0.834	Likely Pathogenic
SCN8A	12	52056759	C	G	53	P	R	0.290	Likely Benign
SCN8A	12	52056759	C	T	53	P	L	0.208	Likely Benign
SCN8A	12	52056761	A	C	54	K	Q	0.223	Likely Benign
SCN8A	12	52056761	A	G	54	K	E	0.386	Likely Benign
SCN8A	12	52056762	A	C	54	K	T	0.271	Likely Benign
SCN8A	12	52056762	A	G	54	K	R	0.160	Likely Benign
SCN8A	12	52056762	A	T	54	K	M	0.830	Likely Pathogenic
SCN8A	12	52056763	G	C	54	K	N	0.555	Likely Benign
SCN8A	12	52056763	G	T	54	K	N	0.556	Likely Benign
SCN8A	12	52056764	C	A	55	P	T	0.986	Likely Pathogenic
SCN8A	12	52056764	C	G	55	P	A	0.917	Likely Pathogenic
SCN8A	12	52056764	C	T	55	P	S	0.968	Likely Pathogenic
SCN8A	12	52056765	C	A	55	P	Q	0.986	Likely Pathogenic
SCN8A	12	52056765	C	G	55	P	R	0.935	Likely Pathogenic
SCN8A	12	52056765	C	T	55	P	L	0.971	Likely Pathogenic
SCN8A	12	52056767	A	C	56	N	H	0.806	Likely Pathogenic
SCN8A	12	52056767	A	G	56	N	D	0.249	Likely Benign
SCN8A	12	52056767	A	T	56	N	Y	0.903	Likely Pathogenic
SCN8A	12	52056768	A	C	56	N	T	0.761	Likely Benign
SCN8A	12	52056768	A	G	56	N	S	0.186	Likely Benign
SCN8A	12	52056768	A	T	56	N	I	0.919	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN1A	2	166929966	C	G	56	E	Q	0.510	Likely Benign
SCN1A	2	166929966	C	T	56	E	K	0.388	Likely Benign
SCN1A	2	166929965	T	A	56	E	V	0.890	Likely Pathogenic
SCN1A	2	166929965	T	C	56	E	G	0.919	Likely Pathogenic
SCN1A	2	166929965	T	G	56	E	A	0.855	Likely Pathogenic
SCN1A	2	166929964	T	A	56	E	D	0.791	Likely Pathogenic
SCN1A	2	166929964	T	G	56	E	D	0.796	Likely Pathogenic
SCN1A	2	166929963	C	A	57	A	S	0.852	Likely Pathogenic
SCN1A	2	166929963	C	G	57	A	P	0.917	Likely Pathogenic
SCN1A	2	166929963	C	T	57	A	T	0.808	Likely Pathogenic
SCN1A	2	166929962	G	A	57	A	V	0.471	Likely Benign
SCN1A	2	166929962	G	C	57	A	G	0.849	Likely Pathogenic
SCN1A	2	166929962	G	T	57	A	D	0.577	Likely Benign
SCN1A	2	166929960	C	G	58	G	R	0.978	Likely Pathogenic
SCN1A	2	166929960	C	T	58	G	R	0.977	Likely Pathogenic
SCN1A	2	166929959	C	A	58	G	V	0.968	Likely Pathogenic
SCN1A	2	166929959	C	G	58	G	A	0.962	Likely Pathogenic
SCN1A	2	166929959	C	T	58	G	E	0.976	Likely Pathogenic
SCN1A	2	166929957	T	C	59	K	E	0.726	Likely Benign
SCN1A	2	166929957	T	G	59	K	Q	0.533	Likely Benign
SCN1A	2	166929956	T	A	59	K	M	0.882	Likely Pathogenic
SCN1A	2	166929956	T	C	59	K	R	0.479	Likely Benign
SCN1A	2	166929956	T	G	59	K	T	0.897	Likely Pathogenic
SCN1A	2	166929955	C	A	59	K	N	0.552	Likely Benign
SCN1A	2	166929955	C	G	59	K	N	0.565	Likely Benign
SCN1A	2	166929954	T	A	60	N	Y	0.287	Likely Benign
SCN1A	2	166929954	T	C	60	N	D	0.209	Likely Benign
SCN1A	2	166929954	T	G	60	N	H	0.257	Likely Benign
SCN1A	2	166929953	T	A	60	N	I	0.196	Likely Benign
SCN1A	2	166929953	T	C	60	N	S	0.050	Likely Benign
SCN1A	2	166929953	T	G	60	N	T	0.105	Likely Benign
SCN1A	2	166929952	G	C	60	N	K	0.101	Likely Benign
SCN1A	2	166929952	G	T	60	N	K	0.101	Likely Benign
SCN1A	2	166929951	G	A	61	L	F	0.982	Likely Pathogenic
SCN1A	2	166929951	G	C	61	L	V	0.713	Likely Benign
SCN1A	2	166929951	G	T	61	L	I	0.617	Likely Benign
SCN1A	2	166929950	A	C	61	L	R	0.968	Likely Pathogenic
SCN1A	2	166929950	A	G	61	L	P	0.980	Likely Pathogenic
SCN1A	2	166929950	A	T	61	L	H	0.981	Likely Pathogenic
SCN1A	2	166929948	G	A	62	P	S	0.990	Likely Pathogenic
SCN1A	2	166929948	G	C	62	P	A	0.989	Likely Pathogenic
SCN1A	2	166929948	G	T	62	P	T	0.990	Likely Pathogenic
SCN1A	2	166929947	G	A	62	P	L	0.992	Likely Pathogenic
SCN1A	2	166929947	G	C	62	P	R	0.993	Likely Pathogenic
SCN1A	2	166929947	G	T	62	P	Q	0.993	Likely Pathogenic
SCN1A	2	166929945	A	C	63	F	V	0.310	Likely Benign
SCN1A	2	166929945	A	G	63	F	L	0.192	Likely Benign
SCN1A	2	166929945	A	T	63	F	I	0.392	Likely Benign
SCN1A	2	166929944	A	C	63	F	C	0.710	Likely Benign
SCN1A	2	166929944	A	G	63	F	S	0.654	Likely Benign
SCN1A	2	166929944	A	T	63	F	Y	0.269	Likely Benign
SCN1A	2	166929943	A	C	63	F	L	0.184	Likely Benign
SCN1A	2	166929943	A	T	63	F	L	0.179	Likely Benign
SCN1A	2	166929942	T	A	64	I	F	0.357	Likely Benign
SCN1A	2	166929942	T	C	64	I	V	0.456	Likely Benign
SCN1A	2	166929942	T	G	64	I	L	0.194	Likely Benign
SCN1A	2	166929941	A	C	64	I	S	0.717	Likely Benign
SCN1A	2	166929941	A	G	64	I	T	0.652	Likely Benign
SCN1A	2	166929941	A	T	64	I	N	0.868	Likely Pathogenic
SCN1A	2	166929940	A	C	64	I	M	0.387	Likely Benign
SCN1A	2	166929939	A	C	65	Y	D	0.959	Likely Pathogenic
SCN1A	2	166929939	A	G	65	Y	H	0.737	Likely Benign
SCN1A	2	166929939	A	T	65	Y	N	0.931	Likely Pathogenic
SCN1A	2	166929938	T	A	65	Y	F	0.407	Likely Benign
SCN1A	2	166929938	T	C	65	Y	C	0.953	Likely Pathogenic
SCN1A	2	166929938	T	G	65	Y	S	0.954	Likely Pathogenic
SCN1A	2	166929936	C	G	66	G	R	0.703	Likely Benign
SCN1A	2	166929936	C	T	66	G	R	0.710	Likely Benign
SCN1A	2	166929935	C	A	66	G	V	0.958	Likely Pathogenic
SCN1A	2	166929935	C	G	66	G	A	0.821	Likely Pathogenic
SCN1A	2	166929935	C	T	66	G	E	0.849	Likely Pathogenic
SCN1A	2	166929933	C	A	67	D	Y	0.897	Likely Pathogenic
SCN1A	2	166929933	C	G	67	D	H	0.899	Likely Pathogenic
SCN1A	2	166929933	C	T	67	D	N	0.412	Likely Benign
SCN1A	2	166929932	T	A	67	D	V	0.911	Likely Pathogenic
SCN1A	2	166929932	T	C	67	D	G	0.809	Likely Pathogenic
SCN1A	2	166929932	T	G	67	D	A	0.899	Likely Pathogenic
SCN1A	2	166929931	G	C	67	D	E	0.231	Likely Benign
SCN1A	2	166929931	G	T	67	D	E	0.233	Likely Benign
SCN1A	2	166929930	T	A	68	I	F	0.232	Likely Benign
SCN1A	2	166929930	T	C	68	I	V	0.143	Likely Benign
SCN1A	2	166929930	T	G	68	I	L	0.168	Likely Benign
SCN1A	2	166929929	A	C	68	I	S	0.739	Likely Benign
SCN1A	2	166929929	A	G	68	I	T	0.401	Likely Benign
SCN1A	2	166929929	A	T	68	I	N	0.825	Likely Pathogenic
SCN1A	2	166929928	A	C	68	I	M	0.572	Likely Benign
SCN1A	2	166929927	G	A	69	P	S	0.902	Likely Pathogenic
SCN1A	2	166929927	G	C	69	P	A	0.975	Likely Pathogenic
SCN1A	2	166929927	G	T	69	P	T	0.968	Likely Pathogenic
SCN1A	2	166929926	G	A	69	P	L	0.970	Likely Pathogenic
SCN1A	2	166929926	G	C	69	P	R	0.984	Likely Pathogenic
SCN1A	2	166929926	G	T	69	P	H	0.986	Likely Pathogenic
SCN1A	2	166929924	G	A	70	P	S	0.206	Likely Benign
SCN1A	2	166929924	G	C	70	P	A	0.192	Likely Benign
SCN1A	2	166929924	G	T	70	P	T	0.530	Likely Benign
SCN1A	2	166929923	G	A	70	P	L	0.400	Likely Benign
SCN1A	2	166929923	G	C	70	P	R	0.281	Likely Benign
SCN1A	2	166929923	G	T	70	P	Q	0.205	Likely Benign
SCN1A	2	166929921	C	G	71	E	Q	0.359	Likely Benign
SCN1A	2	166929921	C	T	71	E	K	0.226	Likely Benign
SCN1A	2	166929920	T	A	71	E	V	0.457	Likely Benign
SCN1A	2	166929920	T	C	71	E	G	0.130	Likely Benign
SCN1A	2	166929920	T	G	71	E	A	0.242	Likely Benign
SCN1A	2	166929919	C	A	71	E	D	0.197	Likely Benign
SCN1A	2	166929919	C	G	71	E	D	0.194	Likely Benign
SCN1A	2	166929918	T	A	72	M	L	0.086	Likely Benign
SCN1A	2	166929918	T	C	72	M	V	0.335	Likely Benign
SCN1A	2	166929918	T	G	72	M	L	0.087	Likely Benign
SCN1A	2	166929917	A	C	72	M	R	0.703	Likely Benign
SCN1A	2	166929917	A	G	72	M	T	0.557	Likely Benign
SCN1A	2	166929917	A	T	72	M	K	0.681	Likely Benign
SCN1A	2	166929916	C	A	72	M	I	0.597	Likely Benign
SCN1A	2	166929916	C	G	72	M	I	0.591	Likely Benign
SCN1A	2	166929916	C	T	72	M	I	0.592	Likely Benign
SCN1A	2	166929915	C	A	73	V	L	0.249	Likely Benign
SCN1A	2	166929915	C	G	73	V	L	0.247	Likely Benign
SCN1A	2	166929915	C	T	73	V	M	0.882	Likely Pathogenic
SCN1A	2	166929914	A	C	73	V	G	0.913	Likely Pathogenic
SCN1A	2	166929914	A	G	73	V	A	0.323	Likely Benign
SCN1A	2	166929914	A	T	73	V	E	0.920	Likely Pathogenic
SCN1A	2	166929912	A	C	74	S	A	0.150	Likely Benign
SCN1A	2	166929912	A	G	74	S	P	0.762	Likely Benign
SCN1A	2	166929912	A	T	74	S	T	0.682	Likely Benign
SCN1A	2	166929911	G	A	74	S	L	0.635	Likely Benign
SCN1A	2	166929909	C	G	75	E	Q	0.229	Likely Benign
SCN1A	2	166929909	C	T	75	E	K	0.183	Likely Benign
SCN1A	2	166929908	T	A	75	E	V	0.141	Likely Benign
SCN1A	2	166929908	T	C	75	E	G	0.488	Likely Benign
SCN1A	2	166929908	T	G	75	E	A	0.385	Likely Benign
SCN1A	2	166929907	C	A	75	E	D	0.400	Likely Benign
SCN1A	2	166929907	C	G	75	E	D	0.395	Likely Benign
SCN1A	2	166929906	G	A	76	P	S	0.988	Likely Pathogenic
SCN1A	2	166929906	G	C	76	P	A	0.979	Likely Pathogenic
SCN1A	2	166929906	G	T	76	P	T	0.975	Likely Pathogenic
SCN1A	2	166929905	G	A	76	P	L	0.953	Likely Pathogenic
SCN1A	2	166929905	G	C	76	P	R	0.982	Likely Pathogenic
SCN1A	2	166929905	G	T	76	P	H	0.982	Likely Pathogenic
SCN1A	2	166929903	G	C	77	L	V	0.882	Likely Pathogenic
SCN1A	2	166929903	G	T	77	L	M	0.917	Likely Pathogenic
SCN1A	2	166929902	A	C	77	L	R	0.979	Likely Pathogenic
SCN1A	2	166929902	A	G	77	L	P	0.988	Likely Pathogenic
SCN1A	2	166929902	A	T	77	L	Q	0.948	Likely Pathogenic
SCN1A	2	166929900	C	G	78	E	Q	0.956	Likely Pathogenic
SCN1A	2	166929900	C	T	78	E	K	0.966	Likely Pathogenic
SCN1A	2	166929899	T	A	78	E	V	0.892	Likely Pathogenic
SCN1A	2	166929899	T	C	78	E	G	0.970	Likely Pathogenic
SCN1A	2	166929899	T	G	78	E	A	0.937	Likely Pathogenic
SCN1A	2	166929898	C	A	78	E	D	0.794	Likely Pathogenic
SCN1A	2	166929898	C	G	78	E	D	0.797	Likely Pathogenic
SCN1A	2	166929897	C	A	79	D	Y	0.973	Likely Pathogenic
SCN1A	2	166929897	C	G	79	D	H	0.980	Likely Pathogenic
SCN1A	2	166929897	C	T	79	D	N	0.973	Likely Pathogenic
SCN1A	2	166929896	T	A	79	D	V	0.986	Likely Pathogenic
SCN1A	2	166929896	T	C	79	D	G	0.952	Likely Pathogenic
SCN1A	2	166929896	T	G	79	D	A	0.973	Likely Pathogenic
SCN1A	2	166929895	G	C	79	D	E	0.672	Likely Benign
SCN1A	2	166929895	G	T	79	D	E	0.668	Likely Benign
SCN1A	2	166929894	G	C	80	L	V	0.299	Likely Benign
SCN1A	2	166929894	G	T	80	L	M	0.274	Likely Benign
SCN1A	2	166929893	A	C	80	L	R	0.787	Likely Pathogenic
SCN1A	2	166929893	A	G	80	L	P	0.722	Likely Benign
SCN1A	2	166929893	A	T	80	L	Q	0.849	Likely Pathogenic
SCN1A	2	166929891	C	A	81	D	Y	0.980	Likely Pathogenic
SCN1A	2	166929891	C	G	81	D	H	0.987	Likely Pathogenic
SCN1A	2	166929891	C	T	81	D	N	0.981	Likely Pathogenic
SCN1A	2	166929890	T	A	81	D	V	0.989	Likely Pathogenic
SCN1A	2	166929890	T	C	81	D	G	0.984	Likely Pathogenic
SCN1A	2	166929890	T	G	81	D	A	0.986	Likely Pathogenic
SCN1A	2	166929889	G	C	81	D	E	0.969	Likely Pathogenic
SCN1A	2	166929889	G	T	81	D	E	0.970	Likely Pathogenic
SCN1A	2	166929888	G	A	82	P	S	0.614	Likely Benign
SCN1A	2	166929888	G	C	82	P	A	0.727	Likely Benign
SCN1A	2	166929888	G	T	82	P	T	0.631	Likely Benign
SCN1A	2	166929887	G	A	82	P	L	0.891	Likely Pathogenic
SCN1A	2	166929887	G	C	82	P	R	0.890	Likely Pathogenic
SCN1A	2	166929887	G	T	82	P	H	0.842	Likely Pathogenic
SCN1A	2	166929885	A	C	83	Y	D	0.614	Likely Benign
SCN1A	2	166929885	A	G	83	Y	H	0.608	Likely Benign
SCN1A	2	166929885	A	T	83	Y	N	0.819	Likely Pathogenic
SCN1A	2	166929884	T	A	83	Y	F	0.113	Likely Benign
SCN1A	2	166929884	T	C	83	Y	C	0.893	Likely Pathogenic
SCN1A	2	166929884	T	G	83	Y	S	0.781	Likely Benign
SCN1A	2	166929882	A	C	84	Y	D	0.986	Likely Pathogenic
SCN1A	2	166929882	A	G	84	Y	H	0.981	Likely Pathogenic
SCN1A	2	166929882	A	T	84	Y	N	0.985	Likely Pathogenic
SCN1A	2	166929881	T	A	84	Y	F	0.944	Likely Pathogenic
SCN1A	2	166929881	T	C	84	Y	C	0.985	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN2A	2	166152500	T	G	56	L	W	0.989	Likely Pathogenic
SCN2A	2	166152501	G	C	56	L	F	0.962	Likely Pathogenic
SCN2A	2	166152501	G	T	56	L	F	0.961	Likely Pathogenic
SCN2A	2	166152502	G	A	57	E	K	0.602	Likely Benign
SCN2A	2	166152502	G	C	57	E	Q	0.671	Likely Benign
SCN2A	2	166152503	A	C	57	E	A	0.957	Likely Pathogenic
SCN2A	2	166152503	A	G	57	E	G	0.957	Likely Pathogenic
SCN2A	2	166152503	A	T	57	E	V	0.969	Likely Pathogenic
SCN2A	2	166152504	A	C	57	E	D	0.933	Likely Pathogenic
SCN2A	2	166152504	A	T	57	E	D	0.938	Likely Pathogenic
SCN2A	2	166152505	G	A	58	A	T	0.961	Likely Pathogenic
SCN2A	2	166152505	G	C	58	A	P	0.973	Likely Pathogenic
SCN2A	2	166152505	G	T	58	A	S	0.951	Likely Pathogenic
SCN2A	2	166152506	C	A	58	A	E	0.905	Likely Pathogenic
SCN2A	2	166152506	C	G	58	A	G	0.926	Likely Pathogenic
SCN2A	2	166152506	C	T	58	A	V	0.614	Likely Benign
SCN2A	2	166152508	G	A	59	G	R	0.984	Likely Pathogenic
SCN2A	2	166152508	G	C	59	G	R	0.984	Likely Pathogenic
SCN2A	2	166152509	G	A	59	G	E	0.988	Likely Pathogenic
SCN2A	2	166152509	G	C	59	G	A	0.983	Likely Pathogenic
SCN2A	2	166152509	G	T	59	G	V	0.985	Likely Pathogenic
SCN2A	2	166152511	A	C	60	K	Q	0.377	Likely Benign
SCN2A	2	166152511	A	G	60	K	E	0.637	Likely Benign
SCN2A	2	166152512	A	C	60	K	T	0.899	Likely Pathogenic
SCN2A	2	166152512	A	G	60	K	R	0.313	Likely Benign
SCN2A	2	166152512	A	T	60	K	I	0.93	Likely Pathogenic
SCN2A	2	166152513	A	C	60	K	N	0.436	Likely Benign
SCN2A	2	166152513	A	T	60	K	N	0.436	Likely Benign
SCN2A	2	166152514	T	A	61	S	T	0.164	Likely Benign
SCN2A	2	166152514	T	C	61	S	P	0.162	Likely Benign
SCN2A	2	166152514	T	G	61	S	A	0.278	Likely Benign
SCN2A	2	166152515	C	A	61	S	Y	0.565	Likely Benign
SCN2A	2	166152515	C	G	61	S	C	0.502	Likely Benign
SCN2A	2	166152515	C	T	61	S	F	0.58	Likely Benign
SCN2A	2	166152517	C	A	62	L	I	0.691	Likely Benign
SCN2A	2	166152517	C	G	62	L	V	0.89	Likely Pathogenic
SCN2A	2	166152517	C	T	62	L	F	0.988	Likely Pathogenic
SCN2A	2	166152518	T	A	62	L	H	0.987	Likely Pathogenic
SCN2A	2	166152518	T	C	62	L	P	0.983	Likely Pathogenic
SCN2A	2	166152518	T	G	62	L	R	0.979	Likely Pathogenic
SCN2A	2	166152520	C	A	63	P	T	0.994	Likely Pathogenic
SCN2A	2	166152520	C	G	63	P	A	0.996	Likely Pathogenic
SCN2A	2	166152520	C	T	63	P	S	0.994	Likely Pathogenic
SCN2A	2	166152521	C	A	63	P	Q	0.996	Likely Pathogenic
SCN2A	2	166152521	C	G	63	P	R	0.996	Likely Pathogenic
SCN2A	2	166152521	C	T	63	P	L	0.996	Likely Pathogenic
SCN2A	2	166152523	T	A	64	F	I	0.488	Likely Benign
SCN2A	2	166152523	T	C	64	F	L	0.375	Likely Benign
SCN2A	2	166152523	T	G	64	F	V	0.482	Likely Benign
SCN2A	2	166152524	T	A	64	F	Y	0.415	Likely Benign
SCN2A	2	166152524	T	C	64	F	S	0.777	Likely Benign
SCN2A	2	166152524	T	G	64	F	C	0.889	Likely Pathogenic
SCN2A	2	166152525	T	A	64	F	L	0.395	Likely Benign
SCN2A	2	166152525	T	G	64	F	L	0.39	Likely Benign
SCN2A	2	166152526	A	C	65	I	L	0.287	Likely Benign
SCN2A	2	166152526	A	G	65	I	V	0.546	Likely Benign
SCN2A	2	166152526	A	T	65	I	F	0.461	Likely Benign
SCN2A	2	166152527	T	A	65	I	N	0.954	Likely Pathogenic
SCN2A	2	166152527	T	C	65	I	T	0.883	Likely Pathogenic
SCN2A	2	166152527	T	G	65	I	S	0.793	Likely Pathogenic
SCN2A	2	166152528	T	G	65	I	M	0.496	Likely Benign
SCN2A	2	166152529	T	A	66	Y	N	0.973	Likely Pathogenic
SCN2A	2	166152529	T	C	66	Y	H	0.856	Likely Pathogenic
SCN2A	2	166152529	T	G	66	Y	D	0.98	Likely Pathogenic
SCN2A	2	166152530	A	C	66	Y	S	0.978	Likely Pathogenic
SCN2A	2	166152530	A	G	66	Y	C	0.976	Likely Pathogenic
SCN2A	2	166152530	A	T	66	Y	F	0.57	Likely Benign
SCN2A	2	166152532	G	A	67	G	R	0.942	Likely Pathogenic
SCN2A	2	166152532	G	C	67	G	R	0.94	Likely Pathogenic
SCN2A	2	166152533	G	A	67	G	E	0.957	Likely Pathogenic
SCN2A	2	166152533	G	C	67	G	A	0.972	Likely Pathogenic
SCN2A	2	166152533	G	T	67	G	V	0.983	Likely Pathogenic
SCN2A	2	166152535	G	A	68	D	N	0.605	Likely Benign
SCN2A	2	166152535	G	C	68	D	H	0.97	Likely Pathogenic
SCN2A	2	166152535	G	T	68	D	Y	0.964	Likely Pathogenic
SCN2A	2	166152536	A	C	68	D	A	0.972	Likely Pathogenic
SCN2A	2	166152536	A	G	68	D	G	0.827	Likely Pathogenic
SCN2A	2	166152536	A	T	68	D	V	0.964	Likely Pathogenic
SCN2A	2	166152537	C	A	68	D	E	0.386	Likely Benign
SCN2A	2	166152537	C	G	68	D	E	0.415	Likely Benign
SCN2A	2	166152538	A	C	69	I	L	0.224	Likely Benign
SCN2A	2	166152538	A	G	69	I	V	0.198	Likely Benign
SCN2A	2	166152538	A	T	69	I	F	0.423	Likely Benign
SCN2A	2	166152539	T	A	69	I	N	0.908	Likely Pathogenic
SCN2A	2	166152539	T	C	69	I	T	0.455	Likely Benign
SCN2A	2	166152539	T	G	69	I	S	0.883	Likely Pathogenic
SCN2A	2	166152540	T	G	69	I	M	0.727	Likely Benign
SCN2A	2	166152541	C	A	70	P	T	0.983	Likely Pathogenic
SCN2A	2	166152541	C	G	70	P	A	0.989	Likely Pathogenic
SCN2A	2	166152541	C	T	70	P	S	0.969	Likely Pathogenic
SCN2A	2	166152542	C	A	70	P	H	0.987	Likely Pathogenic
SCN2A	2	166152542	C	G	70	P	R	0.987	Likely Pathogenic
SCN2A	2	166152542	C	T	70	P	L	0.971	Likely Pathogenic
SCN2A	2	166152544	C	A	71	P	T	0.541	Likely Benign
SCN2A	2	166152544	C	G	71	P	A	0.198	Likely Benign
SCN2A	2	166152544	C	T	71	P	S	0.187	Likely Benign
SCN2A	2	166152545	C	A	71	P	Q	0.186	Likely Benign
SCN2A	2	166152545	C	G	71	P	R	0.27	Likely Benign
SCN2A	2	166152545	C	T	71	P	L	0.512	Likely Benign
SCN2A	2	166152547	G	A	72	E	K	0.239	Likely Benign
SCN2A	2	166152547	G	C	72	E	Q	0.379	Likely Benign
SCN2A	2	166152548	A	C	72	E	A	0.302	Likely Benign
SCN2A	2	166152548	A	G	72	E	G	0.135	Likely Benign
SCN2A	2	166152548	A	T	72	E	V	0.724	Likely Benign
SCN2A	2	166152549	G	C	72	E	D	0.207	Likely Benign
SCN2A	2	166152549	G	T	72	E	D	0.207	Likely Benign
SCN2A	2	166152550	A	C	73	M	L	0.095	Likely Benign
SCN2A	2	166152550	A	G	73	M	V	0.329	Likely Benign
SCN2A	2	166152550	A	T	73	M	L	0.095	Likely Benign
SCN2A	2	166152551	T	A	73	M	K	0.698	Likely Benign
SCN2A	2	166152551	T	C	73	M	T	0.426	Likely Benign
SCN2A	2	166152551	T	G	73	M	R	0.687	Likely Benign
SCN2A	2	166152552	G	A	73	M	I	0.624	Likely Benign
SCN2A	2	166152552	G	C	73	M	I	0.623	Likely Benign
SCN2A	2	166152552	G	T	73	M	I	0.623	Likely Benign
SCN2A	2	166152553	G	A	74	V	M	0.908	Likely Pathogenic
SCN2A	2	166152553	G	C	74	V	L	0.447	Likely Benign
SCN2A	2	166152553	G	T	74	V	L	0.45	Likely Benign
SCN2A	2	166152554	T	A	74	V	E	0.965	Likely Pathogenic
SCN2A	2	166152554	T	C	74	V	A	0.591	Likely Benign
SCN2A	2	166152554	T	G	74	V	G	0.957	Likely Pathogenic
SCN2A	2	166152556	T	A	75	S	T	0.621	Likely Benign
SCN2A	2	166152556	T	C	75	S	P	0.67	Likely Benign
SCN2A	2	166152556	T	G	75	S	A	0.146	Likely Benign
SCN2A	2	166152557	C	T	75	S	L	0.781	Likely Benign
SCN2A	2	166152559	G	A	76	V	M	0.33	Likely Benign
SCN2A	2	166152559	G	C	76	V	L	0.253	Likely Benign
SCN2A	2	166152559	G	T	76	V	L	0.254	Likely Benign
SCN2A	2	166152560	T	A	76	V	E	0.072	Likely Benign
SCN2A	2	166152560	T	C	76	V	A	0.204	Likely Benign
SCN2A	2	166152560	T	G	76	V	G	0.449	Likely Benign
SCN2A	2	166152562	C	A	77	P	T	0.973	Likely Pathogenic
SCN2A	2	166152562	C	G	77	P	A	0.982	Likely Pathogenic
SCN2A	2	166152562	C	T	77	P	S	0.988	Likely Pathogenic
SCN2A	2	166152563	C	A	77	P	H	0.991	Likely Pathogenic
SCN2A	2	166152563	C	G	77	P	R	0.991	Likely Pathogenic
SCN2A	2	166152563	C	T	77	P	L	0.984	Likely Pathogenic
SCN2A	2	166152565	C	A	78	L	M	0.874	Likely Pathogenic
SCN2A	2	166152565	C	G	78	L	V	0.852	Likely Pathogenic
SCN2A	2	166152566	T	A	78	L	Q	0.949	Likely Pathogenic
SCN2A	2	166152566	T	C	78	L	P	0.987	Likely Pathogenic
SCN2A	2	166152566	T	G	78	L	R	0.982	Likely Pathogenic
SCN2A	2	166152568	G	A	79	E	K	0.974	Likely Pathogenic
SCN2A	2	166152568	G	C	79	E	Q	0.948	Likely Pathogenic
SCN2A	2	166152569	A	C	79	E	A	0.948	Likely Pathogenic
SCN2A	2	166152569	A	G	79	E	G	0.979	Likely Pathogenic
SCN2A	2	166152569	A	T	79	E	V	0.959	Likely Pathogenic
SCN2A	2	166152570	G	C	79	E	D	0.805	Likely Pathogenic
SCN2A	2	166152570	G	T	79	E	D	0.806	Likely Pathogenic
SCN2A	2	166152571	G	A	80	D	N	0.989	Likely Pathogenic
SCN2A	2	166152571	G	C	80	D	H	0.991	Likely Pathogenic
SCN2A	2	166152571	G	T	80	D	Y	0.99	Likely Pathogenic
SCN2A	2	166152572	A	C	80	D	A	0.989	Likely Pathogenic
SCN2A	2	166152572	A	G	80	D	G	0.982	Likely Pathogenic
SCN2A	2	166152572	A	T	80	D	V	0.989	Likely Pathogenic
SCN2A	2	166152573	T	A	80	D	E	0.935	Likely Pathogenic
SCN2A	2	166152573	T	G	80	D	E	0.933	Likely Pathogenic
SCN2A	2	166152574	C	A	81	L	M	0.599	Likely Benign
SCN2A	2	166152574	C	G	81	L	V	0.72	Likely Benign
SCN2A	2	166152575	T	A	81	L	Q	0.964	Likely Pathogenic
SCN2A	2	166152575	T	C	81	L	P	0.943	Likely Pathogenic
SCN2A	2	166152575	T	G	81	L	R	0.947	Likely Pathogenic
SCN2A	2	166152577	G	A	82	D	N	0.99	Likely Pathogenic
SCN2A	2	166152577	G	C	82	D	H	0.993	Likely Pathogenic
SCN2A	2	166152577	G	T	82	D	Y	0.992	Likely Pathogenic
SCN2A	2	166152578	A	C	82	D	A	0.99	Likely Pathogenic
SCN2A	2	166152578	A	G	82	D	G	0.989	Likely Pathogenic
SCN2A	2	166152578	A	T	82	D	V	0.991	Likely Pathogenic
SCN2A	2	166152579	C	A	82	D	E	0.966	Likely Pathogenic
SCN2A	2	166152579	C	G	82	D	E	0.966	Likely Pathogenic
SCN2A	2	166152580	C	A	83	P	T	0.749	Likely Benign
SCN2A	2	166152580	C	G	83	P	A	0.846	Likely Pathogenic
SCN2A	2	166152580	C	T	83	P	S	0.602	Likely Benign
SCN2A	2	166152581	C	A	83	P	H	0.965	Likely Pathogenic
SCN2A	2	166152581	C	G	83	P	R	0.963	Likely Pathogenic
SCN2A	2	166152581	C	T	83	P	L	0.975	Likely Pathogenic
SCN2A	2	166152583	T	A	84	Y	N	0.822	Likely Pathogenic
SCN2A	2	166152583	T	C	84	Y	H	0.784	Likely Pathogenic
SCN2A	2	166152583	T	G	84	Y	D	0.831	Likely Pathogenic
SCN2A	2	166152584	A	C	84	Y	S	0.878	Likely Pathogenic
SCN2A	2	166152584	A	G	84	Y	C	0.864	Likely Pathogenic
SCN2A	2	166152584	A	T	84	Y	F	0.138	Likely Benign
SCN2A	2	166152586	T	A	85	Y	N	0.985	Likely Pathogenic
SCN2A	2	166152586	T	C	85	Y	H	0.977	Likely Pathogenic
SCN2A	2	166152586	T	G	85	Y	D	0.986	Likely Pathogenic
SCN2A	2	166152587	A	C	85	Y	S	0.987	Likely Pathogenic
SCN2A	2	166152587	A	G	85	Y	C	0.986	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN8A	12	52056769	C	A	56	N	K	0.443	Likely Benign
SCN8A	12	52056769	C	G	56	N	K	0.434	Likely Benign
SCN8A	12	52056770	A	C	57	S	R	0.268	Likely Benign
SCN8A	12	52056770	A	G	57	S	G	0.267	Likely Benign
SCN8A	12	52056770	A	T	57	S	C	0.682	Likely Benign
SCN8A	12	52056771	G	A	57	S	N	0.345	Likely Benign
SCN8A	12	52056771	G	C	57	S	T	0.403	Likely Benign
SCN8A	12	52056771	G	T	57	S	I	0.563	Likely Benign
SCN8A	12	52056772	C	A	57	S	R	0.356	Likely Benign
SCN8A	12	52056772	C	G	57	S	R	0.307	Likely Benign
SCN8A	12	52056773	G	A	58	D	N	0.895	Likely Pathogenic
SCN8A	12	52056773	G	C	58	D	H	0.962	Likely Pathogenic
SCN8A	12	52056773	G	T	58	D	Y	0.935	Likely Pathogenic
SCN8A	12	52056774	A	C	58	D	A	0.940	Likely Pathogenic
SCN8A	12	52056774	A	G	58	D	G	0.795	Likely Pathogenic
SCN8A	12	52056774	A	T	58	D	V	0.952	Likely Pathogenic
SCN8A	12	52056775	C	A	58	D	E	0.856	Likely Pathogenic
SCN8A	12	52056775	C	G	58	D	E	0.848	Likely Pathogenic
SCN8A	12	52056776	C	A	59	L	M	0.914	Likely Pathogenic
SCN8A	12	52056776	C	G	59	L	V	0.929	Likely Pathogenic
SCN8A	12	52056777	T	A	59	L	Q	0.986	Likely Pathogenic
SCN8A	12	52056777	T	C	59	L	P	0.988	Likely Pathogenic
SCN8A	12	52056777	T	G	59	L	R	0.988	Likely Pathogenic
SCN8A	12	52056779	G	A	60	E	K	0.527	Likely Benign
SCN8A	12	52056779	G	C	60	E	Q	0.767	Likely Benign
SCN8A	12	52056780	A	C	60	E	A	0.961	Likely Pathogenic
SCN8A	12	52056780	A	G	60	E	G	0.976	Likely Pathogenic
SCN8A	12	52056780	A	T	60	E	V	0.965	Likely Pathogenic
SCN8A	12	52056781	A	C	60	E	D	0.900	Likely Pathogenic
SCN8A	12	52056781	A	T	60	E	D	0.900	Likely Pathogenic
SCN8A	12	52056782	G	A	61	A	T	0.925	Likely Pathogenic
SCN8A	12	52056782	G	C	61	A	P	0.947	Likely Pathogenic
SCN8A	12	52056782	G	T	61	A	S	0.936	Likely Pathogenic
SCN8A	12	52056783	C	A	61	A	E	0.813	Likely Pathogenic
SCN8A	12	52056783	C	G	61	A	G	0.892	Likely Pathogenic
SCN8A	12	52056783	C	T	61	A	V	0.483	Likely Benign
SCN8A	12	52056785	G	A	62	G	R	0.985	Likely Pathogenic
SCN8A	12	52056785	G	C	62	G	R	0.985	Likely Pathogenic
SCN8A	12	52056785	G	T	62	G	W	0.977	Likely Pathogenic
SCN8A	12	52056786	G	A	62	G	E	0.988	Likely Pathogenic
SCN8A	12	52056786	G	C	62	G	A	0.971	Likely Pathogenic
SCN8A	12	52056786	G	T	62	G	V	0.975	Likely Pathogenic
SCN8A	12	52056788	A	C	63	K	Q	0.584	Likely Benign
SCN8A	12	52056788	A	G	63	K	E	0.859	Likely Pathogenic
SCN8A	12	52056789	A	C	63	K	T	0.882	Likely Pathogenic
SCN8A	12	52056789	A	G	63	K	R	0.307	Likely Benign
SCN8A	12	52056789	A	T	63	K	M	0.923	Likely Pathogenic
SCN8A	12	52056790	G	C	63	K	N	0.509	Likely Benign
SCN8A	12	52056790	G	T	63	K	N	0.512	Likely Benign
SCN8A	12	52056791	A	C	64	S	R	0.200	Likely Benign
SCN8A	12	52056791	A	G	64	S	G	0.160	Likely Benign
SCN8A	12	52056791	A	T	64	S	C	0.312	Likely Benign
SCN8A	12	52056792	G	A	64	S	N	0.133	Likely Benign
SCN8A	12	52056792	G	C	64	S	T	0.147	Likely Benign
SCN8A	12	52056792	G	T	64	S	I	0.234	Likely Benign
SCN8A	12	52056793	T	A	64	S	R	0.214	Likely Benign
SCN8A	12	52056793	T	G	64	S	R	0.210	Likely Benign
SCN8A	12	52056794	T	A	65	L	M	0.933	Likely Pathogenic
SCN8A	12	52056794	T	G	65	L	V	0.450	Likely Benign
SCN8A	12	52056795	T	C	65	L	S	0.949	Likely Pathogenic
SCN8A	12	52056795	T	G	65	L	W	0.963	Likely Pathogenic
SCN8A	12	52056796	G	C	65	L	F	0.978	Likely Pathogenic
SCN8A	12	52056796	G	T	65	L	F	0.978	Likely Pathogenic
SCN8A	12	52056797	C	A	66	P	T	0.991	Likely Pathogenic
SCN8A	12	52056797	C	G	66	P	A	0.994	Likely Pathogenic
SCN8A	12	52056797	C	T	66	P	S	0.993	Likely Pathogenic
SCN8A	12	52056798	C	A	66	P	H	0.994	Likely Pathogenic
SCN8A	12	52056798	C	G	66	P	R	0.994	Likely Pathogenic
SCN8A	12	52056798	C	T	66	P	L	0.993	Likely Pathogenic
SCN8A	12	52056800	T	A	67	F	I	0.562	Likely Benign
SCN8A	12	52056800	T	C	67	F	L	0.245	Likely Benign
SCN8A	12	52056800	T	G	67	F	V	0.334	Likely Benign
SCN8A	12	52056801	T	A	67	F	Y	0.348	Likely Benign
SCN8A	12	52056801	T	C	67	F	S	0.751	Likely Benign
SCN8A	12	52056801	T	G	67	F	C	0.806	Likely Pathogenic
SCN8A	12	52056802	C	A	67	F	L	0.238	Likely Benign
SCN8A	12	52056802	C	G	67	F	L	0.233	Likely Benign
SCN8A	12	52056803	A	C	68	I	L	0.221	Likely Benign
SCN8A	12	52056803	A	G	68	I	V	0.608	Likely Benign
SCN8A	12	52056803	A	T	68	I	F	0.490	Likely Benign
SCN8A	12	52056804	T	A	68	I	N	0.930	Likely Pathogenic
SCN8A	12	52056804	T	C	68	I	T	0.892	Likely Pathogenic
SCN8A	12	52056804	T	G	68	I	S	0.815	Likely Pathogenic
SCN8A	12	52056805	C	G	68	I	M	0.416	Likely Benign
SCN8A	12	52056806	T	A	69	Y	N	0.955	Likely Pathogenic
SCN8A	12	52056806	T	C	69	Y	H	0.894	Likely Pathogenic
SCN8A	12	52056806	T	G	69	Y	D	0.973	Likely Pathogenic
SCN8A	12	52056807	A	C	69	Y	S	0.967	Likely Pathogenic
SCN8A	12	52056807	A	G	69	Y	C	0.978	Likely Pathogenic
SCN8A	12	52056807	A	T	69	Y	F	0.661	Likely Benign
SCN8A	12	52056809	G	A	70	G	R	0.918	Likely Pathogenic
SCN8A	12	52056809	G	C	70	G	R	0.920	Likely Pathogenic
SCN8A	12	52056809	G	T	70	G	W	0.971	Likely Pathogenic
SCN8A	12	52056810	G	A	70	G	E	0.932	Likely Pathogenic
SCN8A	12	52056810	G	C	70	G	A	0.958	Likely Pathogenic
SCN8A	12	52056810	G	T	70	G	V	0.976	Likely Pathogenic
SCN8A	12	52056812	G	A	71	D	N	0.551	Likely Benign
SCN8A	12	52056812	G	C	71	D	H	0.971	Likely Pathogenic
SCN8A	12	52056812	G	T	71	D	Y	0.957	Likely Pathogenic
SCN8A	12	52056813	A	C	71	D	A	0.965	Likely Pathogenic
SCN8A	12	52056813	A	G	71	D	G	0.944	Likely Pathogenic
SCN8A	12	52056813	A	T	71	D	V	0.957	Likely Pathogenic
SCN8A	12	52056814	C	A	71	D	E	0.320	Likely Benign
SCN8A	12	52056814	C	G	71	D	E	0.303	Likely Benign
SCN8A	12	52056815	A	C	72	I	L	0.180	Likely Benign
SCN8A	12	52056815	A	G	72	I	V	0.148	Likely Benign
SCN8A	12	52056815	A	T	72	I	F	0.188	Likely Benign
SCN8A	12	52056816	T	A	72	I	N	0.723	Likely Benign
SCN8A	12	52056816	T	C	72	I	T	0.313	Likely Benign
SCN8A	12	52056816	T	G	72	I	S	0.697	Likely Benign
SCN8A	12	52056817	C	G	72	I	M	0.473	Likely Benign
SCN8A	12	52056818	C	A	73	P	T	0.984	Likely Pathogenic
SCN8A	12	52056818	C	G	73	P	A	0.989	Likely Pathogenic
SCN8A	12	52056818	C	T	73	P	S	0.974	Likely Pathogenic
SCN8A	12	52056819	C	A	73	P	H	0.987	Likely Pathogenic
SCN8A	12	52056819	C	G	73	P	R	0.988	Likely Pathogenic
SCN8A	12	52056819	C	T	73	P	L	0.974	Likely Pathogenic
SCN8A	12	52056821	C	A	74	Q	K	0.078	Likely Benign
SCN8A	12	52056821	C	G	74	Q	E	0.124	Likely Benign
SCN8A	12	52056822	A	C	74	Q	P	0.030	Likely Benign
SCN8A	12	52056822	A	G	74	Q	R	0.105	Likely Benign
SCN8A	12	52056822	A	T	74	Q	L	0.148	Likely Benign
SCN8A	12	52056823	A	C	74	Q	H	0.193	Likely Benign
SCN8A	12	52056823	A	T	74	Q	H	0.193	Likely Benign
SCN8A	12	52056824	G	A	75	G	S	0.279	Likely Benign
SCN8A	12	52056824	G	C	75	G	R	0.191	Likely Benign
SCN8A	12	52056824	G	T	75	G	C	0.548	Likely Benign
SCN8A	12	52056825	G	A	75	G	D	0.191	Likely Benign
SCN8A	12	52056825	G	C	75	G	A	0.228	Likely Benign
SCN8A	12	52056825	G	T	75	G	V	0.568	Likely Benign
SCN8A	12	52056827	C	A	76	L	M	0.106	Likely Benign
SCN8A	12	52056827	C	G	76	L	V	0.369	Likely Benign
SCN8A	12	52056828	T	A	76	L	Q	0.700	Likely Benign
SCN8A	12	52056828	T	C	76	L	P	0.796	Likely Pathogenic
SCN8A	12	52056828	T	G	76	L	R	0.607	Likely Benign
SCN8A	12	52056830	G	A	77	V	I	0.149	Likely Benign
SCN8A	12	52056830	G	C	77	V	L	0.172	Likely Benign
SCN8A	12	52056830	G	T	77	V	F	0.412	Likely Benign
SCN8A	12	52056831	T	A	77	V	D	0.830	Likely Pathogenic
SCN8A	12	52056831	T	C	77	V	A	0.224	Likely Benign
SCN8A	12	52056831	T	G	77	V	G	0.760	Likely Benign
SCN8A	12	52056833	G	A	78	A	T	0.419	Likely Benign
SCN8A	12	52056833	G	C	78	A	P	0.599	Likely Benign
SCN8A	12	52056833	G	T	78	A	S	0.067	Likely Benign
SCN8A	12	52056834	C	A	78	A	E	0.512	Likely Benign
SCN8A	12	52056834	C	G	78	A	G	0.122	Likely Benign
SCN8A	12	52056834	C	T	78	A	V	0.447	Likely Benign
SCN8A	12	52056836	G	A	79	V	I	0.120	Likely Benign
SCN8A	12	52056836	G	C	79	V	L	0.211	Likely Benign
SCN8A	12	52056836	G	T	79	V	F	0.278	Likely Benign
SCN8A	12	52056837	T	A	79	V	D	0.291	Likely Benign
SCN8A	12	52056837	T	C	79	V	A	0.177	Likely Benign
SCN8A	12	52056837	T	G	79	V	G	0.359	Likely Benign
SCN8A	12	52056839	C	A	80	P	T	0.988	Likely Pathogenic
SCN8A	12	52056839	C	G	80	P	A	0.986	Likely Pathogenic
SCN8A	12	52056839	C	T	80	P	S	0.993	Likely Pathogenic
SCN8A	12	52056840	C	A	80	P	H	0.992	Likely Pathogenic
SCN8A	12	52056840	C	G	80	P	R	0.992	Likely Pathogenic
SCN8A	12	52056840	C	T	80	P	L	0.985	Likely Pathogenic
SCN8A	12	52056842	C	A	81	L	M	0.913	Likely Pathogenic
SCN8A	12	52056842	C	G	81	L	V	0.833	Likely Pathogenic
SCN8A	12	52056843	T	A	81	L	Q	0.966	Likely Pathogenic
SCN8A	12	52056843	T	C	81	L	P	0.980	Likely Pathogenic
SCN8A	12	52056843	T	G	81	L	R	0.981	Likely Pathogenic
SCN8A	12	52056845	G	A	82	E	K	0.910	Likely Pathogenic
SCN8A	12	52056845	G	C	82	E	Q	0.705	Likely Benign
SCN8A	12	52056846	A	C	82	E	A	0.872	Likely Pathogenic
SCN8A	12	52056846	A	G	82	E	G	0.907	Likely Pathogenic
SCN8A	12	52056846	A	T	82	E	V	0.878	Likely Pathogenic
SCN8A	12	52056847	G	C	82	E	D	0.700	Likely Benign
SCN8A	12	52056847	G	T	82	E	D	0.698	Likely Benign
SCN8A	12	52056848	G	A	83	D	N	0.983	Likely Pathogenic
SCN8A	12	52056848	G	C	83	D	H	0.985	Likely Pathogenic
SCN8A	12	52056848	G	T	83	D	Y	0.979	Likely Pathogenic
SCN8A	12	52056849	A	C	83	D	A	0.988	Likely Pathogenic
SCN8A	12	52056849	A	G	83	D	G	0.982	Likely Pathogenic
SCN8A	12	52056849	A	T	83	D	V	0.988	Likely Pathogenic
SCN8A	12	52056850	C	A	83	D	E	0.866	Likely Pathogenic
SCN8A	12	52056850	C	G	83	D	E	0.863	Likely Pathogenic
SCN8A	12	52056851	T	A	84	F	I	0.051	Likely Benign
SCN8A	12	52056851	T	C	84	F	L	0.014	Likely Benign
SCN8A	12	52056851	T	G	84	F	V	0.104	Likely Benign
SCN8A	12	52056852	T	A	84	F	Y	0.222	Likely Benign
SCN8A	12	52056852	T	C	84	F	S	0.189	Likely Benign
SCN8A	12	52056852	T	G	84	F	C	0.273	Likely Benign
SCN8A	12	52056853	T	A	84	F	L	0.014	Likely Benign
SCN8A	12	52056853	T	G	84	F	L	0.014	Likely Benign

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166929881	T	G	84	Y	S	0.985	Likely Pathogenic
SCN1A	2	166929879	T	A	85	I	F	0.175	Likely Benign
SCN1A	2	166929879	T	C	85	I	V	0.130	Likely Benign
SCN1A	2	166929879	T	G	85	I	L	0.098	Likely Benign
SCN1A	2	166929878	A	C	85	I	S	0.059	Likely Benign
SCN1A	2	166929878	A	G	85	I	T	0.170	Likely Benign
SCN1A	2	166929878	A	T	85	I	N	0.144	Likely Benign
SCN1A	2	166929877	G	C	85	I	M	0.101	Likely Benign
SCN1A	2	166929876	T	A	86	N	Y	0.732	Likely Benign
SCN1A	2	166929876	T	C	86	N	D	0.159	Likely Benign
SCN1A	2	166929876	T	G	86	N	H	0.599	Likely Benign
SCN1A	2	166929875	T	A	86	N	I	0.834	Likely Pathogenic
SCN1A	2	166929875	T	C	86	N	S	0.238	Likely Benign
SCN1A	2	166929875	T	G	86	N	T	0.193	Likely Benign
SCN1A	2	166929874	A	C	86	N	K	0.701	Likely Benign
SCN1A	2	166929874	A	T	86	N	K	0.692	Likely Benign
SCN1A	2	166929873	T	C	87	K	E	0.493	Likely Benign
SCN1A	2	166929873	T	G	87	K	Q	0.104	Likely Benign
SCN1A	2	166929872	T	A	87	K	M	0.705	Likely Benign
SCN1A	2	166929872	T	C	87	K	R	0.241	Likely Benign
SCN1A	2	166929872	T	G	87	K	T	0.314	Likely Benign
SCN1A	2	166929871	C	A	87	K	N	0.480	Likely Benign
SCN1A	2	166929871	C	G	87	K	N	0.469	Likely Benign
SCN1A	2	166929870	T	C	88	K	E	0.450	Likely Benign
SCN1A	2	166929870	T	G	88	K	Q	0.516	Likely Benign
SCN1A	2	166929869	T	A	88	K	I	0.886	Likely Pathogenic
SCN1A	2	166929869	T	C	88	K	R	0.242	Likely Benign
SCN1A	2	166929869	T	G	88	K	T	0.487	Likely Benign
SCN1A	2	166929868	T	A	88	K	N	0.310	Likely Benign
SCN1A	2	166929868	T	G	88	K	N	0.332	Likely Benign
SCN1A	2	166915197	G	A	89	T	I	0.982	Likely Pathogenic
SCN1A	2	166915197	G	C	89	T	S	0.956	Likely Pathogenic
SCN1A	2	166915197	G	T	89	T	N	0.989	Likely Pathogenic
SCN1A	2	166915195	A	C	90	F	V	0.990	Likely Pathogenic
SCN1A	2	166915195	A	G	90	F	L	0.981	Likely Pathogenic
SCN1A	2	166915195	A	T	90	F	I	0.989	Likely Pathogenic
SCN1A	2	166915194	A	C	90	F	C	0.990	Likely Pathogenic
SCN1A	2	166915194	A	G	90	F	S	0.990	Likely Pathogenic
SCN1A	2	166915194	A	T	90	F	Y	0.967	Likely Pathogenic
SCN1A	2	166915193	A	C	90	F	L	0.982	Likely Pathogenic
SCN1A	2	166915193	A	T	90	F	L	0.982	Likely Pathogenic
SCN1A	2	166915192	T	A	91	I	L	0.851	Likely Pathogenic
SCN1A	2	166915192	T	C	91	I	V	0.232	Likely Benign
SCN1A	2	166915192	T	G	91	I	L	0.851	Likely Pathogenic
SCN1A	2	166915191	A	C	91	I	R	0.979	Likely Pathogenic
SCN1A	2	166915191	A	G	91	I	T	0.974	Likely Pathogenic
SCN1A	2	166915191	A	T	91	I	K	0.978	Likely Pathogenic
SCN1A	2	166915190	T	C	91	I	M	0.463	Likely Benign
SCN1A	2	166915189	C	A	92	V	L	0.981	Likely Pathogenic
SCN1A	2	166915189	C	G	92	V	L	0.981	Likely Pathogenic
SCN1A	2	166915189	C	T	92	V	I	0.955	Likely Pathogenic
SCN1A	2	166915188	A	C	92	V	G	0.990	Likely Pathogenic
SCN1A	2	166915188	A	G	92	V	A	0.980	Likely Pathogenic
SCN1A	2	166915188	A	T	92	V	E	0.979	Likely Pathogenic
SCN1A	2	166915186	A	C	93	L	V	0.346	Likely Benign
SCN1A	2	166915186	A	T	93	L	M	0.664	Likely Benign
SCN1A	2	166915185	A	C	93	L	W	0.953	Likely Pathogenic
SCN1A	2	166915185	A	G	93	L	S	0.934	Likely Pathogenic
SCN1A	2	166915184	C	A	93	L	F	0.904	Likely Pathogenic
SCN1A	2	166915184	C	G	93	L	F	0.905	Likely Pathogenic
SCN1A	2	166915183	T	A	94	N	Y	0.978	Likely Pathogenic
SCN1A	2	166915183	T	C	94	N	D	0.682	Likely Benign
SCN1A	2	166915183	T	G	94	N	H	0.975	Likely Pathogenic
SCN1A	2	166915182	T	A	94	N	I	0.971	Likely Pathogenic
SCN1A	2	166915182	T	C	94	N	S	0.302	Likely Benign
SCN1A	2	166915182	T	G	94	N	T	0.856	Likely Pathogenic
SCN1A	2	166915181	A	C	94	N	K	0.886	Likely Pathogenic
SCN1A	2	166915181	A	T	94	N	K	0.886	Likely Pathogenic
SCN1A	2	166915180	T	C	95	K	E	0.916	Likely Pathogenic
SCN1A	2	166915180	T	G	95	K	Q	0.841	Likely Pathogenic
SCN1A	2	166915179	T	A	95	K	I	0.973	Likely Pathogenic
SCN1A	2	166915179	T	C	95	K	R	0.205	Likely Benign
SCN1A	2	166915179	T	G	95	K	T	0.972	Likely Pathogenic
SCN1A	2	166915178	T	A	95	K	N	0.923	Likely Pathogenic
SCN1A	2	166915178	T	G	95	K	N	0.923	Likely Pathogenic
SCN1A	2	166915177	C	A	96	G	W	0.967	Likely Pathogenic
SCN1A	2	166915177	C	G	96	G	R	0.890	Likely Pathogenic
SCN1A	2	166915177	C	T	96	G	R	0.892	Likely Pathogenic
SCN1A	2	166915176	C	A	96	G	V	0.973	Likely Pathogenic
SCN1A	2	166915176	C	G	96	G	A	0.822	Likely Pathogenic
SCN1A	2	166915176	C	T	96	G	E	0.882	Likely Pathogenic
SCN1A	2	166915174	T	C	97	K	E	0.846	Likely Pathogenic
SCN1A	2	166915174	T	G	97	K	Q	0.887	Likely Pathogenic
SCN1A	2	166915173	T	A	97	K	M	0.966	Likely Pathogenic
SCN1A	2	166915173	T	C	97	K	R	0.243	Likely Benign
SCN1A	2	166915173	T	G	97	K	T	0.922	Likely Pathogenic
SCN1A	2	166915172	C	A	97	K	N	0.509	Likely Benign
SCN1A	2	166915172	C	G	97	K	N	0.507	Likely Benign
SCN1A	2	166915171	C	A	98	A	S	0.484	Likely Benign
SCN1A	2	166915171	C	G	98	A	P	0.915	Likely Pathogenic
SCN1A	2	166915171	C	T	98	A	T	0.111	Likely Benign
SCN1A	2	166915170	G	A	98	A	V	0.434	Likely Benign
SCN1A	2	166915170	G	C	98	A	G	0.771	Likely Benign
SCN1A	2	166915170	G	T	98	A	D	0.310	Likely Benign
SCN1A	2	166915168	T	A	99	I	F	0.977	Likely Pathogenic
SCN1A	2	166915168	T	C	99	I	V	0.959	Likely Pathogenic
SCN1A	2	166915168	T	G	99	I	L	0.545	Likely Benign
SCN1A	2	166915167	A	C	99	I	S	0.986	Likely Pathogenic
SCN1A	2	166915167	A	G	99	I	T	0.985	Likely Pathogenic
SCN1A	2	166915167	A	T	99	I	N	0.986	Likely Pathogenic
SCN1A	2	166915166	G	C	99	I	M	0.968	Likely Pathogenic
SCN1A	2	166915165	A	C	100	F	V	0.930	Likely Pathogenic
SCN1A	2	166915165	A	G	100	F	L	0.960	Likely Pathogenic
SCN1A	2	166915165	A	T	100	F	I	0.971	Likely Pathogenic
SCN1A	2	166915164	A	C	100	F	C	0.977	Likely Pathogenic
SCN1A	2	166915164	A	G	100	F	S	0.728	Likely Benign
SCN1A	2	166915164	A	T	100	F	Y	0.286	Likely Benign
SCN1A	2	166915163	G	C	100	F	L	0.973	Likely Pathogenic
SCN1A	2	166915163	G	T	100	F	L	0.973	Likely Pathogenic
SCN1A	2	166915162	G	A	101	R	W	0.991	Likely Pathogenic
SCN1A	2	166915162	G	C	101	R	G	0.991	Likely Pathogenic
SCN1A	2	166915161	C	A	101	R	L	0.991	Likely Pathogenic
SCN1A	2	166915161	C	G	101	R	P	0.991	Likely Pathogenic
SCN1A	2	166915161	C	T	101	R	Q	0.990	Likely Pathogenic
SCN1A	2	166915159	A	C	102	F	V	0.992	Likely Pathogenic
SCN1A	2	166915159	A	G	102	F	L	0.992	Likely Pathogenic
SCN1A	2	166915159	A	T	102	F	I	0.992	Likely Pathogenic
SCN1A	2	166915158	A	C	102	F	C	0.992	Likely Pathogenic
SCN1A	2	166915158	A	G	102	F	S	0.992	Likely Pathogenic
SCN1A	2	166915158	A	T	102	F	Y	0.965	Likely Pathogenic
SCN1A	2	166915157	G	C	102	F	L	0.990	Likely Pathogenic
SCN1A	2	166915157	G	T	102	F	L	0.990	Likely Pathogenic
SCN1A	2	166915156	T	A	103	S	C	0.977	Likely Pathogenic
SCN1A	2	166915156	T	C	103	S	G	0.976	Likely Pathogenic
SCN1A	2	166915156	T	G	103	S	R	0.950	Likely Pathogenic
SCN1A	2	166915155	C	A	103	S	I	0.983	Likely Pathogenic
SCN1A	2	166915155	C	G	103	S	T	0.807	Likely Pathogenic
SCN1A	2	166915155	C	T	103	S	N	0.303	Likely Benign
SCN1A	2	166915154	A	C	103	S	R	0.953	Likely Pathogenic
SCN1A	2	166915154	A	T	103	S	R	0.955	Likely Pathogenic
SCN1A	2	166915153	C	A	104	A	S	0.957	Likely Pathogenic
SCN1A	2	166915153	C	G	104	A	P	0.982	Likely Pathogenic
SCN1A	2	166915153	C	T	104	A	T	0.947	Likely Pathogenic
SCN1A	2	166915152	G	A	104	A	V	0.987	Likely Pathogenic
SCN1A	2	166915152	G	C	104	A	G	0.972	Likely Pathogenic
SCN1A	2	166915152	G	T	104	A	D	0.982	Likely Pathogenic
SCN1A	2	166915150	T	A	105	T	S	0.733	Likely Benign
SCN1A	2	166915150	T	C	105	T	A	0.595	Likely Benign
SCN1A	2	166915150	T	G	105	T	P	0.956	Likely Pathogenic
SCN1A	2	166915149	G	A	105	T	I	0.965	Likely Pathogenic
SCN1A	2	166915149	G	C	105	T	S	0.741	Likely Benign
SCN1A	2	166915149	G	T	105	T	N	0.927	Likely Pathogenic
SCN1A	2	166915147	A	C	106	S	A	0.377	Likely Benign
SCN1A	2	166915147	A	G	106	S	P	0.122	Likely Benign
SCN1A	2	166915147	A	T	106	S	T	0.832	Likely Pathogenic
SCN1A	2	166915146	G	A	106	S	F	0.876	Likely Pathogenic
SCN1A	2	166915146	G	C	106	S	C	0.864	Likely Pathogenic
SCN1A	2	166915146	G	T	106	S	Y	0.841	Likely Pathogenic
SCN1A	2	166915144	C	A	107	A	S	0.802	Likely Pathogenic
SCN1A	2	166915144	C	G	107	A	P	0.987	Likely Pathogenic
SCN1A	2	166915144	C	T	107	A	T	0.986	Likely Pathogenic
SCN1A	2	166915143	G	A	107	A	V	0.977	Likely Pathogenic
SCN1A	2	166915143	G	C	107	A	G	0.978	Likely Pathogenic
SCN1A	2	166915143	G	T	107	A	D	0.987	Likely Pathogenic
SCN1A	2	166915141	G	C	108	L	V	0.863	Likely Pathogenic
SCN1A	2	166915141	G	T	108	L	M	0.739	Likely Benign
SCN1A	2	166915140	A	C	108	L	R	0.989	Likely Pathogenic
SCN1A	2	166915140	A	G	108	L	P	0.989	Likely Pathogenic
SCN1A	2	166915140	A	T	108	L	Q	0.989	Likely Pathogenic
SCN1A	2	166915138	A	C	109	Y	D	0.972	Likely Pathogenic
SCN1A	2	166915138	A	G	109	Y	H	0.922	Likely Pathogenic
SCN1A	2	166915138	A	T	109	Y	N	0.952	Likely Pathogenic
SCN1A	2	166915137	T	A	109	Y	F	0.250	Likely Benign
SCN1A	2	166915137	T	C	109	Y	C	0.915	Likely Pathogenic
SCN1A	2	166915137	T	G	109	Y	S	0.978	Likely Pathogenic
SCN1A	2	166915135	T	A	110	I	F	0.565	Likely Benign
SCN1A	2	166915135	T	C	110	I	V	0.323	Likely Benign
SCN1A	2	166915135	T	G	110	I	L	0.161	Likely Benign
SCN1A	2	166915134	A	C	110	I	S	0.957	Likely Pathogenic
SCN1A	2	166915134	A	G	110	I	T	0.657	Likely Benign
SCN1A	2	166915134	A	T	110	I	N	0.930	Likely Pathogenic
SCN1A	2	166915133	A	C	110	I	M	0.322	Likely Benign
SCN1A	2	166915132	A	C	111	L	V	0.974	Likely Pathogenic
SCN1A	2	166915132	A	T	111	L	I	0.439	Likely Benign
SCN1A	2	166915131	A	G	111	L	S	0.974	Likely Pathogenic
SCN1A	2	166915130	T	A	111	L	F	0.365	Likely Benign
SCN1A	2	166915130	T	G	111	L	F	0.365	Likely Benign
SCN1A	2	166915129	T	A	112	T	S	0.056	Likely Benign
SCN1A	2	166915129	T	C	112	T	A	0.541	Likely Benign
SCN1A	2	166915129	T	G	112	T	P	0.609	Likely Benign
SCN1A	2	166915128	G	A	112	T	I	0.674	Likely Benign
SCN1A	2	166915128	G	C	112	T	S	0.056	Likely Benign
SCN1A	2	166915128	G	T	112	T	N	0.535	Likely Benign
SCN1A	2	166915126	G	A	113	P	S	0.943	Likely Pathogenic
SCN1A	2	166915126	G	C	113	P	A	0.943	Likely Pathogenic
SCN1A	2	166915126	G	T	113	P	T	0.980	Likely Pathogenic
SCN1A	2	166915125	G	A	113	P	L	0.975	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166152587	A	T	85	Y	F	0.96	Likely Pathogenic
SCN2A	2	166152589	A	C	86	I	L	0.104	Likely Benign
SCN2A	2	166152589	A	G	86	I	V	0.14	Likely Benign
SCN2A	2	166152589	A	T	86	I	F	0.22	Likely Benign
SCN2A	2	166152590	T	A	86	I	N	0.183	Likely Benign
SCN2A	2	166152590	T	C	86	I	T	0.167	Likely Benign
SCN2A	2	166152590	T	G	86	I	S	0.062	Likely Benign
SCN2A	2	166152591	C	G	86	I	M	0.116	Likely Benign
SCN2A	2	166152592	A	C	87	N	H	0.533	Likely Benign
SCN2A	2	166152592	A	G	87	N	D	0.175	Likely Benign
SCN2A	2	166152592	A	T	87	N	Y	0.773	Likely Benign
SCN2A	2	166152593	A	C	87	N	T	0.181	Likely Benign
SCN2A	2	166152593	A	G	87	N	S	0.245	Likely Benign
SCN2A	2	166152593	A	T	87	N	I	0.754	Likely Benign
SCN2A	2	166152594	T	A	87	N	K	0.576	Likely Benign
SCN2A	2	166152594	T	G	87	N	K	0.522	Likely Benign
SCN2A	2	166152595	A	C	88	K	Q	0.106	Likely Benign
SCN2A	2	166152595	A	G	88	K	E	0.437	Likely Benign
SCN2A	2	166152596	A	C	88	K	T	0.59	Likely Benign
SCN2A	2	166152596	A	G	88	K	R	0.288	Likely Benign
SCN2A	2	166152596	A	T	88	K	M	0.797	Likely Pathogenic
SCN2A	2	166152597	G	C	88	K	N	0.594	Likely Benign
SCN2A	2	166152597	G	T	88	K	N	0.602	Likely Benign
SCN2A	2	166152598	A	C	89	K	Q	0.887	Likely Pathogenic
SCN2A	2	166152598	A	G	89	K	E	0.832	Likely Pathogenic
SCN2A	2	166152599	A	C	89	K	T	0.85	Likely Pathogenic
SCN2A	2	166152599	A	G	89	K	R	0.356	Likely Benign
SCN2A	2	166152599	A	T	89	K	I	0.967	Likely Pathogenic
SCN2A	2	166153527	A	C	90	T	P	0.985	Likely Pathogenic
SCN2A	2	166153527	A	G	90	T	A	0.973	Likely Pathogenic
SCN2A	2	166153527	A	T	90	T	S	0.919	Likely Pathogenic
SCN2A	2	166153528	C	A	90	T	K	0.973	Likely Pathogenic
SCN2A	2	166153528	C	G	90	T	R	0.979	Likely Pathogenic
SCN2A	2	166153528	C	T	90	T	M	0.978	Likely Pathogenic
SCN2A	2	166153530	T	A	91	F	I	0.981	Likely Pathogenic
SCN2A	2	166153530	T	C	91	F	L	0.965	Likely Pathogenic
SCN2A	2	166153530	T	G	91	F	V	0.988	Likely Pathogenic
SCN2A	2	166153531	T	A	91	F	Y	0.957	Likely Pathogenic
SCN2A	2	166153531	T	C	91	F	S	0.983	Likely Pathogenic
SCN2A	2	166153531	T	G	91	F	C	0.99	Likely Pathogenic
SCN2A	2	166153532	T	A	91	F	L	0.973	Likely Pathogenic
SCN2A	2	166153532	T	G	91	F	L	0.973	Likely Pathogenic
SCN2A	2	166153533	A	C	92	I	L	0.866	Likely Pathogenic
SCN2A	2	166153533	A	G	92	I	V	0.215	Likely Benign
SCN2A	2	166153533	A	T	92	I	L	0.865	Likely Pathogenic
SCN2A	2	166153534	T	A	92	I	K	0.968	Likely Pathogenic
SCN2A	2	166153534	T	C	92	I	T	0.958	Likely Pathogenic
SCN2A	2	166153534	T	G	92	I	R	0.972	Likely Pathogenic
SCN2A	2	166153535	A	G	92	I	M	0.502	Likely Benign
SCN2A	2	166153536	G	A	93	V	I	0.792	Likely Pathogenic
SCN2A	2	166153536	G	C	93	V	L	0.905	Likely Pathogenic
SCN2A	2	166153536	G	T	93	V	L	0.903	Likely Pathogenic
SCN2A	2	166153537	T	A	93	V	E	0.975	Likely Pathogenic
SCN2A	2	166153537	T	C	93	V	A	0.965	Likely Pathogenic
SCN2A	2	166153537	T	G	93	V	G	0.986	Likely Pathogenic
SCN2A	2	166153539	T	A	94	L	M	0.531	Likely Benign
SCN2A	2	166153539	T	G	94	L	V	0.356	Likely Benign
SCN2A	2	166153540	T	C	94	L	S	0.965	Likely Pathogenic
SCN2A	2	166153540	T	G	94	L	W	0.962	Likely Pathogenic
SCN2A	2	166153541	G	C	94	L	F	0.656	Likely Benign
SCN2A	2	166153541	G	T	94	L	F	0.651	Likely Benign
SCN2A	2	166153542	A	C	95	N	H	0.978	Likely Pathogenic
SCN2A	2	166153542	A	G	95	N	D	0.741	Likely Benign
SCN2A	2	166153542	A	T	95	N	Y	0.977	Likely Pathogenic
SCN2A	2	166153543	A	C	95	N	T	0.878	Likely Pathogenic
SCN2A	2	166153543	A	G	95	N	S	0.474	Likely Benign
SCN2A	2	166153543	A	T	95	N	I	0.977	Likely Pathogenic
SCN2A	2	166153544	T	A	95	N	K	0.962	Likely Pathogenic
SCN2A	2	166153544	T	G	95	N	K	0.96	Likely Pathogenic
SCN2A	2	166153545	A	C	96	K	Q	0.492	Likely Benign
SCN2A	2	166153545	A	G	96	K	E	0.679	Likely Benign
SCN2A	2	166153546	A	C	96	K	T	0.739	Likely Benign
SCN2A	2	166153546	A	G	96	K	R	0.204	Likely Benign
SCN2A	2	166153546	A	T	96	K	I	0.9	Likely Pathogenic
SCN2A	2	166153547	A	C	96	K	N	0.825	Likely Pathogenic
SCN2A	2	166153547	A	T	96	K	N	0.825	Likely Pathogenic
SCN2A	2	166153548	G	A	97	G	R	0.937	Likely Pathogenic
SCN2A	2	166153548	G	C	97	G	R	0.935	Likely Pathogenic
SCN2A	2	166153548	G	T	97	G	W	0.967	Likely Pathogenic
SCN2A	2	166153549	G	A	97	G	E	0.923	Likely Pathogenic
SCN2A	2	166153549	G	C	97	G	A	0.923	Likely Pathogenic
SCN2A	2	166153549	G	T	97	G	V	0.97	Likely Pathogenic
SCN2A	2	166153551	A	C	98	K	Q	0.957	Likely Pathogenic
SCN2A	2	166153551	A	G	98	K	E	0.862	Likely Pathogenic
SCN2A	2	166153552	A	C	98	K	T	0.945	Likely Pathogenic
SCN2A	2	166153552	A	G	98	K	R	0.373	Likely Benign
SCN2A	2	166153552	A	T	98	K	I	0.952	Likely Pathogenic
SCN2A	2	166153553	A	C	98	K	N	0.775	Likely Benign
SCN2A	2	166153553	A	T	98	K	N	0.775	Likely Benign
SCN2A	2	166153554	G	A	99	A	T	0.084	Likely Benign
SCN2A	2	166153554	G	C	99	A	P	0.569	Likely Benign
SCN2A	2	166153554	G	T	99	A	S	0.267	Likely Benign
SCN2A	2	166153555	C	A	99	A	E	0.292	Likely Benign
SCN2A	2	166153555	C	G	99	A	G	0.476	Likely Benign
SCN2A	2	166153555	C	T	99	A	V	0.35	Likely Benign
SCN2A	2	166153557	A	C	100	I	L	0.438	Likely Benign
SCN2A	2	166153557	A	G	100	I	V	0.92	Likely Pathogenic
SCN2A	2	166153557	A	T	100	I	F	0.961	Likely Pathogenic
SCN2A	2	166153558	T	A	100	I	N	0.977	Likely Pathogenic
SCN2A	2	166153558	T	C	100	I	T	0.972	Likely Pathogenic
SCN2A	2	166153558	T	G	100	I	S	0.973	Likely Pathogenic
SCN2A	2	166153559	C	G	100	I	M	0.896	Likely Pathogenic
SCN2A	2	166153560	T	A	101	S	T	0.255	Likely Benign
SCN2A	2	166153560	T	C	101	S	P	0.306	Likely Benign
SCN2A	2	166153560	T	G	101	S	A	0.183	Likely Benign
SCN2A	2	166153561	C	A	101	S	Y	0.067	Likely Benign
SCN2A	2	166153561	C	G	101	S	C	0.233	Likely Benign
SCN2A	2	166153561	C	T	101	S	F	0.014	Likely Benign
SCN2A	2	166153563	C	G	102	R	G	0.986	Likely Pathogenic
SCN2A	2	166153564	G	A	102	R	Q	0.98	Likely Pathogenic
SCN2A	2	166153564	G	C	102	R	P	0.982	Likely Pathogenic
SCN2A	2	166153564	G	T	102	R	L	0.983	Likely Pathogenic
SCN2A	2	166153566	T	A	103	F	I	0.971	Likely Pathogenic
SCN2A	2	166153566	T	C	103	F	L	0.953	Likely Pathogenic
SCN2A	2	166153566	T	G	103	F	V	0.98	Likely Pathogenic
SCN2A	2	166153567	T	A	103	F	Y	0.977	Likely Pathogenic
SCN2A	2	166153567	T	C	103	F	S	0.984	Likely Pathogenic
SCN2A	2	166153567	T	G	103	F	C	0.987	Likely Pathogenic
SCN2A	2	166153568	C	A	103	F	L	0.971	Likely Pathogenic
SCN2A	2	166153568	C	G	103	F	L	0.971	Likely Pathogenic
SCN2A	2	166153569	A	C	104	S	R	0.919	Likely Pathogenic
SCN2A	2	166153569	A	G	104	S	G	0.904	Likely Pathogenic
SCN2A	2	166153569	A	T	104	S	C	0.931	Likely Pathogenic
SCN2A	2	166153570	G	A	104	S	N	0.286	Likely Benign
SCN2A	2	166153570	G	C	104	S	T	0.549	Likely Benign
SCN2A	2	166153570	G	T	104	S	I	0.916	Likely Pathogenic
SCN2A	2	166153571	T	A	104	S	R	0.918	Likely Pathogenic
SCN2A	2	166153571	T	G	104	S	R	0.919	Likely Pathogenic
SCN2A	2	166153572	G	A	105	A	T	0.877	Likely Pathogenic
SCN2A	2	166153572	G	C	105	A	P	0.966	Likely Pathogenic
SCN2A	2	166153572	G	T	105	A	S	0.932	Likely Pathogenic
SCN2A	2	166153573	C	A	105	A	D	0.982	Likely Pathogenic
SCN2A	2	166153573	C	G	105	A	G	0.946	Likely Pathogenic
SCN2A	2	166153573	C	T	105	A	V	0.98	Likely Pathogenic
SCN2A	2	166153575	A	C	106	T	P	0.901	Likely Pathogenic
SCN2A	2	166153575	A	G	106	T	A	0.447	Likely Benign
SCN2A	2	166153575	A	T	106	T	S	0.479	Likely Benign
SCN2A	2	166153576	C	A	106	T	N	0.808	Likely Pathogenic
SCN2A	2	166153576	C	G	106	T	S	0.635	Likely Benign
SCN2A	2	166153576	C	T	106	T	I	0.923	Likely Pathogenic
SCN2A	2	166153578	C	A	107	P	T	0.354	Likely Benign
SCN2A	2	166153578	C	G	107	P	A	0.212	Likely Benign
SCN2A	2	166153578	C	T	107	P	S	0.117	Likely Benign
SCN2A	2	166153579	C	A	107	P	H	0.429	Likely Benign
SCN2A	2	166153579	C	G	107	P	R	0.177	Likely Benign
SCN2A	2	166153579	C	T	107	P	L	0.527	Likely Benign
SCN2A	2	166153581	G	A	108	A	T	0.974	Likely Pathogenic
SCN2A	2	166153581	G	C	108	A	P	0.977	Likely Pathogenic
SCN2A	2	166153581	G	T	108	A	S	0.772	Likely Benign
SCN2A	2	166153582	C	A	108	A	D	0.976	Likely Pathogenic
SCN2A	2	166153582	C	G	108	A	G	0.916	Likely Pathogenic
SCN2A	2	166153582	C	T	108	A	V	0.916	Likely Pathogenic
SCN2A	2	166153584	C	A	109	L	I	0.798	Likely Pathogenic
SCN2A	2	166153584	C	G	109	L	V	0.684	Likely Benign
SCN2A	2	166153584	C	T	109	L	F	0.859	Likely Pathogenic
SCN2A	2	166153585	T	A	109	L	H	0.973	Likely Pathogenic
SCN2A	2	166153585	T	C	109	L	P	0.972	Likely Pathogenic
SCN2A	2	166153585	T	G	109	L	R	0.971	Likely Pathogenic
SCN2A	2	166153587	T	A	110	Y	N	0.971	Likely Pathogenic
SCN2A	2	166153587	T	C	110	Y	H	0.974	Likely Pathogenic
SCN2A	2	166153587	T	G	110	Y	D	0.98	Likely Pathogenic
SCN2A	2	166153588	A	C	110	Y	S	0.977	Likely Pathogenic
SCN2A	2	166153588	A	G	110	Y	C	0.918	Likely Pathogenic
SCN2A	2	166153588	A	T	110	Y	F	0.657	Likely Benign
SCN2A	2	166153590	A	C	111	I	L	0.171	Likely Benign
SCN2A	2	166153590	A	G	111	I	V	0.284	Likely Benign
SCN2A	2	166153590	A	T	111	I	F	0.474	Likely Benign
SCN2A	2	166153591	T	A	111	I	N	0.891	Likely Pathogenic
SCN2A	2	166153591	T	C	111	I	T	0.562	Likely Benign
SCN2A	2	166153591	T	G	111	I	S	0.861	Likely Pathogenic
SCN2A	2	166153592	T	G	111	I	M	0.235	Likely Benign
SCN2A	2	166153593	T	A	112	L	I	0.694	Likely Benign
SCN2A	2	166153593	T	G	112	L	V	0.945	Likely Pathogenic
SCN2A	2	166153594	T	C	112	L	S	0.969	Likely Pathogenic
SCN2A	2	166153595	A	C	112	L	F	0.405	Likely Benign
SCN2A	2	166153595	A	T	112	L	F	0.406	Likely Benign
SCN2A	2	166153596	A	C	113	T	P	0.681	Likely Benign
SCN2A	2	166153596	A	G	113	T	A	0.518	Likely Benign
SCN2A	2	166153596	A	T	113	T	S	0.051	Likely Benign
SCN2A	2	166153597	C	A	113	T	N	0.599	Likely Benign
SCN2A	2	166153597	C	G	113	T	S	0.056	Likely Benign
SCN2A	2	166153597	C	T	113	T	I	0.663	Likely Benign
SCN2A	2	166153599	C	A	114	P	T	0.981	Likely Pathogenic
SCN2A	2	166153599	C	G	114	P	A	0.957	Likely Pathogenic
SCN2A	2	166153599	C	T	114	P	S	0.929	Likely Pathogenic
SCN2A	2	166153600	C	A	114	P	H	0.974	Likely Pathogenic
SCN2A	2	166153600	C	G	114	P	R	0.973	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_N T	Amino Acid	AA_R EF	AA_AL T	SCN Index	SCN Index Prediction
SCN8A	12	52056854	G	A	85	D	N	0.992	Likely Pathogenic
SCN8A	12	52056854	G	C	85	D	H	0.993	Likely Pathogenic
SCN8A	12	52056854	G	T	85	D	Y	0.991	Likely Pathogenic
SCN8A	12	52056855	A	C	85	D	A	0.992	Likely Pathogenic
SCN8A	12	52056855	A	G	85	D	G	0.991	Likely Pathogenic
SCN8A	12	52056855	A	T	85	D	V	0.992	Likely Pathogenic
SCN8A	12	52056856	C	A	85	D	E	0.989	Likely Pathogenic
SCN8A	12	52056856	C	G	85	D	E	0.989	Likely Pathogenic
SCN8A	12	52056857	C	A	86	P	T	0.922	Likely Pathogenic
SCN8A	12	52056857	C	G	86	P	A	0.969	Likely Pathogenic
SCN8A	12	52056857	C	T	86	P	S	0.807	Likely Pathogenic
SCN8A	12	52056858	C	A	86	P	Q	0.819	Likely Pathogenic
SCN8A	12	52056858	C	G	86	P	R	0.973	Likely Pathogenic
SCN8A	12	52056858	C	T	86	P	L	0.965	Likely Pathogenic
SCN8A	12	52056860	T	A	87	Y	N	0.878	Likely Pathogenic
SCN8A	12	52056860	T	C	87	Y	H	0.786	Likely Pathogenic
SCN8A	12	52056860	T	G	87	Y	D	0.876	Likely Pathogenic
SCN8A	12	52056861	A	C	87	Y	S	0.847	Likely Pathogenic
SCN8A	12	52056861	A	G	87	Y	C	0.891	Likely Pathogenic
SCN8A	12	52056861	A	T	87	Y	F	0.145	Likely Benign
SCN8A	12	52056863	T	A	88	Y	N	0.987	Likely Pathogenic
SCN8A	12	52056863	T	C	88	Y	H	0.985	Likely Pathogenic
SCN8A	12	52056863	T	G	88	Y	D	0.987	Likely Pathogenic
SCN8A	12	52056864	A	C	88	Y	S	0.988	Likely Pathogenic
SCN8A	12	52056864	A	G	88	Y	C	0.987	Likely Pathogenic
SCN8A	12	52056864	A	T	88	Y	F	0.984	Likely Pathogenic
SCN8A	12	52056866	T	A	89	L	M	0.094	Likely Benign
SCN8A	12	52056866	T	G	89	L	V	0.103	Likely Benign
SCN8A	12	52056867	T	C	89	L	S	0.069	Likely Benign
SCN8A	12	52056867	T	G	89	L	W	0.224	Likely Benign
SCN8A	12	52056868	G	C	89	L	F	0.161	Likely Benign
SCN8A	12	52056868	G	T	89	L	F	0.161	Likely Benign
SCN8A	12	52056869	A	C	90	T	P	0.229	Likely Benign
SCN8A	12	52056869	A	G	90	T	A	0.149	Likely Benign
SCN8A	12	52056869	A	T	90	T	S	0.104	Likely Benign
SCN8A	12	52056870	C	A	90	T	K	0.154	Likely Benign
SCN8A	12	52056870	C	G	90	T	R	0.164	Likely Benign
SCN8A	12	52056870	C	T	90	T	M	0.318	Likely Benign
SCN8A	12	52056872	C	A	91	Q	K	0.066	Likely Benign
SCN8A	12	52056872	C	G	91	Q	E	0.270	Likely Benign
SCN8A	12	52056873	A	C	91	Q	P	0.329	Likely Benign
SCN8A	12	52056873	A	G	91	Q	R	0.196	Likely Benign
SCN8A	12	52056873	A	T	91	Q	L	0.420	Likely Benign
SCN8A	12	52056874	G	C	91	Q	H	0.150	Likely Benign
SCN8A	12	52056874	G	T	91	Q	H	0.149	Likely Benign
SCN8A	12	52056875	A	C	92	K	Q	0.894	Likely Pathogenic
SCN8A	12	52056875	A	G	92	K	E	0.832	Likely Pathogenic
SCN8A	12	52056876	A	C	92	K	T	0.809	Likely Pathogenic
SCN8A	12	52056876	A	G	92	K	R	0.434	Likely Benign
SCN8A	12	52056876	A	T	92	K	I	0.955	Likely Pathogenic
SCN8A	12	52077958	A	C	93	T	P	0.981	Likely Pathogenic
SCN8A	12	52077958	A	G	93	T	A	0.975	Likely Pathogenic
SCN8A	12	52077958	A	T	93	T	S	0.917	Likely Pathogenic
SCN8A	12	52077959	C	A	93	T	N	0.984	Likely Pathogenic
SCN8A	12	52077959	C	G	93	T	S	0.897	Likely Pathogenic
SCN8A	12	52077959	C	T	93	T	I	0.918	Likely Pathogenic
SCN8A	12	52077961	T	A	94	F	I	0.983	Likely Pathogenic
SCN8A	12	52077961	T	C	94	F	L	0.972	Likely Pathogenic
SCN8A	12	52077961	T	G	94	F	V	0.985	Likely Pathogenic
SCN8A	12	52077962	T	A	94	F	Y	0.943	Likely Pathogenic
SCN8A	12	52077962	T	C	94	F	S	0.985	Likely Pathogenic
SCN8A	12	52077962	T	G	94	F	C	0.986	Likely Pathogenic
SCN8A	12	52077963	T	A	94	F	L	0.971	Likely Pathogenic
SCN8A	12	52077963	T	G	94	F	L	0.971	Likely Pathogenic
SCN8A	12	52077964	G	A	95	V	I	0.038	Likely Benign
SCN8A	12	52077964	G	C	95	V	L	0.262	Likely Benign
SCN8A	12	52077964	G	T	95	V	L	0.262	Likely Benign
SCN8A	12	52077965	T	A	95	V	E	0.692	Likely Benign
SCN8A	12	52077965	T	C	95	V	A	0.554	Likely Benign
SCN8A	12	52077965	T	G	95	V	G	0.720	Likely Benign
SCN8A	12	52077967	G	A	96	V	I	0.919	Likely Pathogenic
SCN8A	12	52077967	G	C	96	V	L	0.968	Likely Pathogenic
SCN8A	12	52077967	G	T	96	V	L	0.968	Likely Pathogenic
SCN8A	12	52077968	T	A	96	V	E	0.978	Likely Pathogenic
SCN8A	12	52077968	T	C	96	V	A	0.980	Likely Pathogenic
SCN8A	12	52077968	T	G	96	V	G	0.988	Likely Pathogenic
SCN8A	12	52077970	T	A	97	L	I	0.249	Likely Benign
SCN8A	12	52077970	T	G	97	L	V	0.246	Likely Benign
SCN8A	12	52077971	T	C	97	L	S	0.937	Likely Pathogenic
SCN8A	12	52077972	A	C	97	L	F	0.670	Likely Benign
SCN8A	12	52077972	A	T	97	L	F	0.676	Likely Benign
SCN8A	12	52077973	A	C	98	N	H	0.956	Likely Pathogenic
SCN8A	12	52077973	A	G	98	N	D	0.666	Likely Benign
SCN8A	12	52077973	A	T	98	N	Y	0.964	Likely Pathogenic
SCN8A	12	52077974	A	C	98	N	T	0.899	Likely Pathogenic
SCN8A	12	52077974	A	G	98	N	S	0.302	Likely Benign
SCN8A	12	52077974	A	T	98	N	I	0.967	Likely Pathogenic
SCN8A	12	52077975	C	A	98	N	K	0.927	Likely Pathogenic
SCN8A	12	52077975	C	G	98	N	K	0.937	Likely Pathogenic
SCN8A	12	52077976	A	G	99	R	G	0.304	Likely Benign
SCN8A	12	52077977	G	A	99	R	K	0.026	Likely Benign
SCN8A	12	52077977	G	C	99	R	T	0.266	Likely Benign
SCN8A	12	52077977	G	T	99	R	I	0.354	Likely Benign
SCN8A	12	52077978	A	C	99	R	S	0.368	Likely Benign
SCN8A	12	52077978	A	T	99	R	S	0.366	Likely Benign
SCN8A	12	52077979	G	A	100	G	R	0.812	Likely Pathogenic
SCN8A	12	52077979	G	C	100	G	R	0.818	Likely Pathogenic
SCN8A	12	52077979	G	T	100	G	W	0.930	Likely Pathogenic
SCN8A	12	52077980	G	A	100	G	E	0.909	Likely Pathogenic
SCN8A	12	52077980	G	C	100	G	A	0.841	Likely Pathogenic
SCN8A	12	52077980	G	T	100	G	V	0.948	Likely Pathogenic
SCN8A	12	52077982	A	C	101	K	Q	0.959	Likely Pathogenic
SCN8A	12	52077982	A	G	101	K	E	0.940	Likely Pathogenic
SCN8A	12	52077983	A	C	101	K	T	0.946	Likely Pathogenic
SCN8A	12	52077983	A	G	101	K	R	0.350	Likely Benign
SCN8A	12	52077983	A	T	101	K	I	0.959	Likely Pathogenic
SCN8A	12	52077984	A	C	101	K	N	0.674	Likely Benign
SCN8A	12	52077984	A	T	101	K	N	0.672	Likely Benign
SCN8A	12	52077985	A	C	102	T	P	0.839	Likely Pathogenic
SCN8A	12	52077985	A	G	102	T	A	0.139	Likely Benign
SCN8A	12	52077985	A	T	102	T	S	0.331	Likely Benign
SCN8A	12	52077986	C	A	102	T	N	0.631	Likely Benign
SCN8A	12	52077986	C	G	102	T	S	0.379	Likely Benign
SCN8A	12	52077986	C	T	102	T	I	0.682	Likely Benign
SCN8A	12	52077988	C	A	103	L	I	0.013	Likely Benign
SCN8A	12	52077988	C	G	103	L	V	0.203	Likely Benign
SCN8A	12	52077988	C	T	103	L	F	0.205	Likely Benign
SCN8A	12	52077989	T	A	103	L	H	0.488	Likely Benign
SCN8A	12	52077989	T	C	103	L	P	0.652	Likely Benign
SCN8A	12	52077989	T	G	103	L	R	0.460	Likely Benign
SCN8A	12	52077991	T	A	104	F	I	0.955	Likely Pathogenic
SCN8A	12	52077991	T	C	104	F	L	0.956	Likely Pathogenic
SCN8A	12	52077991	T	G	104	F	V	0.932	Likely Pathogenic
SCN8A	12	52077992	T	A	104	F	Y	0.406	Likely Benign
SCN8A	12	52077992	T	C	104	F	S	0.655	Likely Benign
SCN8A	12	52077992	T	G	104	F	C	0.961	Likely Pathogenic
SCN8A	12	52077993	C	A	104	F	L	0.951	Likely Pathogenic
SCN8A	12	52077993	C	G	104	F	L	0.951	Likely Pathogenic
SCN8A	12	52077994	A	G	105	R	G	0.981	Likely Pathogenic
SCN8A	12	52077995	G	A	105	R	K	0.986	Likely Pathogenic
SCN8A	12	52077995	G	C	105	R	T	0.982	Likely Pathogenic
SCN8A	12	52077995	G	T	105	R	I	0.979	Likely Pathogenic
SCN8A	12	52077996	A	C	105	R	S	0.947	Likely Pathogenic
SCN8A	12	52077996	A	T	105	R	S	0.948	Likely Pathogenic
SCN8A	12	52077997	T	A	106	F	I	0.991	Likely Pathogenic
SCN8A	12	52077997	T	C	106	F	L	0.990	Likely Pathogenic
SCN8A	12	52077997	T	G	106	F	V	0.990	Likely Pathogenic
SCN8A	12	52077998	T	A	106	F	Y	0.977	Likely Pathogenic
SCN8A	12	52077998	T	C	106	F	S	0.987	Likely Pathogenic
SCN8A	12	52077998	T	G	106	F	C	0.988	Likely Pathogenic
SCN8A	12	52077999	T	A	106	F	L	0.984	Likely Pathogenic
SCN8A	12	52077999	T	G	106	F	L	0.985	Likely Pathogenic
SCN8A	12	52078000	A	C	107	S	R	0.924	Likely Pathogenic
SCN8A	12	52078000	A	G	107	S	G	0.958	Likely Pathogenic
SCN8A	12	52078000	A	T	107	S	C	0.969	Likely Pathogenic
SCN8A	12	52078001	G	A	107	S	N	0.342	Likely Benign
SCN8A	12	52078001	G	C	107	S	T	0.560	Likely Benign
SCN8A	12	52078001	G	T	107	S	I	0.978	Likely Pathogenic
SCN8A	12	52078002	T	A	107	S	R	0.913	Likely Pathogenic
SCN8A	12	52078002	T	G	107	S	R	0.911	Likely Pathogenic
SCN8A	12	52078003	G	A	108	A	T	0.874	Likely Pathogenic
SCN8A	12	52078003	G	C	108	A	P	0.946	Likely Pathogenic
SCN8A	12	52078003	G	T	108	A	S	0.916	Likely Pathogenic
SCN8A	12	52078004	C	A	108	A	D	0.980	Likely Pathogenic
SCN8A	12	52078004	C	G	108	A	G	0.936	Likely Pathogenic
SCN8A	12	52078004	C	T	108	A	V	0.978	Likely Pathogenic
SCN8A	12	52078006	A	C	109	T	P	0.884	Likely Pathogenic
SCN8A	12	52078006	A	G	109	T	A	0.312	Likely Benign
SCN8A	12	52078006	A	T	109	T	S	0.365	Likely Benign
SCN8A	12	52078007	C	A	109	T	K	0.746	Likely Benign
SCN8A	12	52078007	C	G	109	T	R	0.843	Likely Pathogenic
SCN8A	12	52078007	C	T	109	T	M	0.935	Likely Pathogenic
SCN8A	12	52078009	C	A	110	P	T	0.479	Likely Benign
SCN8A	12	52078009	C	G	110	P	A	0.227	Likely Benign
SCN8A	12	52078009	C	T	110	P	S	0.113	Likely Benign
SCN8A	12	52078010	C	A	110	P	H	0.618	Likely Benign
SCN8A	12	52078010	C	G	110	P	R	0.199	Likely Benign
SCN8A	12	52078010	C	T	110	P	L	0.491	Likely Benign
SCN8A	12	52078012	G	A	111	A	T	0.892	Likely Pathogenic
SCN8A	12	52078012	G	C	111	A	P	0.960	Likely Pathogenic
SCN8A	12	52078012	G	T	111	A	S	0.232	Likely Benign
SCN8A	12	52078013	C	A	111	A	D	0.921	Likely Pathogenic
SCN8A	12	52078013	C	G	111	A	G	0.785	Likely Pathogenic
SCN8A	12	52078013	C	T	111	A	V	0.780	Likely Benign
SCN8A	12	52078015	T	A	112	L	M	0.668	Likely Benign
SCN8A	12	52078015	T	G	112	L	V	0.855	Likely Pathogenic
SCN8A	12	52078016	T	C	112	L	S	0.977	Likely Pathogenic
SCN8A	12	52078016	T	G	112	L	W	0.958	Likely Pathogenic
SCN8A	12	52078017	G	C	112	L	F	0.895	Likely Pathogenic
SCN8A	12	52078017	G	T	112	L	F	0.897	Likely Pathogenic
SCN8A	12	52078018	T	A	113	Y	N	0.952	Likely Pathogenic
SCN8A	12	52078018	T	C	113	Y	H	0.925	Likely Pathogenic
SCN8A	12	52078018	T	G	113	Y	D	0.959	Likely Pathogenic
SCN8A	12	52078019	A	C	113	Y	S	0.955	Likely Pathogenic
SCN8A	12	52078019	A	G	113	Y	C	0.895	Likely Pathogenic
SCN8A	12	52078019	A	T	113	Y	F	0.647	Likely Benign
SCN8A	12	52078021	A	C	114	I	L	0.144	Likely Benign

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN1A	2	166915125	G	C	113	P	R	0.983	Likely Pathogenic
SCN1A	2	166915125	G	T	113	P	H	0.983	Likely Pathogenic
SCN1A	2	166915123	A	C	114	F	V	0.942	Likely Pathogenic
SCN1A	2	166915123	A	G	114	F	L	0.366	Likely Benign
SCN1A	2	166915123	A	T	114	F	I	0.959	Likely Pathogenic
SCN1A	2	166915122	A	C	114	F	C	0.975	Likely Pathogenic
SCN1A	2	166915122	A	G	114	F	S	0.964	Likely Pathogenic
SCN1A	2	166915122	A	T	114	F	Y	0.924	Likely Pathogenic
SCN1A	2	166915121	G	C	114	F	L	0.501	Likely Benign
SCN1A	2	166915121	G	T	114	F	L	0.504	Likely Benign
SCN1A	2	166915120	T	A	115	N	Y	0.984	Likely Pathogenic
SCN1A	2	166915120	T	C	115	N	D	0.979	Likely Pathogenic
SCN1A	2	166915120	T	G	115	N	H	0.574	Likely Benign
SCN1A	2	166915119	T	A	115	N	I	0.969	Likely Pathogenic
SCN1A	2	166915119	T	C	115	N	S	0.365	Likely Benign
SCN1A	2	166915119	T	G	115	N	T	0.845	Likely Pathogenic
SCN1A	2	166915118	A	C	115	N	K	0.953	Likely Pathogenic
SCN1A	2	166915118	A	T	115	N	K	0.955	Likely Pathogenic
SCN1A	2	166915117	G	A	116	P	S	0.787	Likely Pathogenic
SCN1A	2	166915117	G	C	116	P	A	0.861	Likely Pathogenic
SCN1A	2	166915117	G	T	116	P	T	0.931	Likely Pathogenic
SCN1A	2	166915116	G	A	116	P	L	0.303	Likely Benign
SCN1A	2	166915116	G	C	116	P	R	0.834	Likely Pathogenic
SCN1A	2	166915116	G	T	116	P	H	0.954	Likely Pathogenic
SCN1A	2	166915114	G	A	117	L	F	0.315	Likely Benign
SCN1A	2	166915114	G	C	117	L	V	0.145	Likely Benign
SCN1A	2	166915114	G	T	117	L	I	0.118	Likely Benign
SCN1A	2	166915113	A	C	117	L	R	0.941	Likely Pathogenic
SCN1A	2	166915113	A	G	117	L	P	0.939	Likely Pathogenic
SCN1A	2	166915113	A	T	117	L	H	0.938	Likely Pathogenic
SCN1A	2	166915111	T	A	118	R	W	0.992	Likely Pathogenic
SCN1A	2	166915111	T	C	118	R	G	0.993	Likely Pathogenic
SCN1A	2	166915110	C	A	118	R	M	0.993	Likely Pathogenic
SCN1A	2	166915110	C	G	118	R	T	0.993	Likely Pathogenic
SCN1A	2	166915110	C	T	118	R	K	0.991	Likely Pathogenic
SCN1A	2	166915109	C	A	118	R	S	0.992	Likely Pathogenic
SCN1A	2	166915109	C	G	118	R	S	0.992	Likely Pathogenic
SCN1A	2	166915108	T	C	119	K	E	0.749	Likely Benign
SCN1A	2	166915108	T	G	119	K	Q	0.306	Likely Benign
SCN1A	2	166915107	T	A	119	K	I	0.667	Likely Benign
SCN1A	2	166915107	T	C	119	K	R	0.042	Likely Benign
SCN1A	2	166915107	T	G	119	K	T	0.636	Likely Benign
SCN1A	2	166915106	T	A	119	K	N	0.552	Likely Benign
SCN1A	2	166915106	T	G	119	K	N	0.519	Likely Benign
SCN1A	2	166915105	T	A	120	I	L	0.191	Likely Benign
SCN1A	2	166915105	T	C	120	I	V	0.132	Likely Benign
SCN1A	2	166915105	T	G	120	I	L	0.189	Likely Benign
SCN1A	2	166915104	A	C	120	I	R	0.881	Likely Pathogenic
SCN1A	2	166915104	A	G	120	I	T	0.354	Likely Benign
SCN1A	2	166915104	A	T	120	I	K	0.930	Likely Pathogenic
SCN1A	2	166915103	T	C	120	I	M	0.829	Likely Pathogenic
SCN1A	2	166915102	C	A	121	A	S	0.359	Likely Benign
SCN1A	2	166915102	C	G	121	A	P	0.970	Likely Pathogenic
SCN1A	2	166915102	C	T	121	A	T	0.921	Likely Pathogenic
SCN1A	2	166915101	G	A	121	A	V	0.961	Likely Pathogenic
SCN1A	2	166915101	G	C	121	A	G	0.949	Likely Pathogenic
SCN1A	2	166915101	G	T	121	A	D	0.975	Likely Pathogenic
SCN1A	2	166915099	T	A	122	I	F	0.972	Likely Pathogenic
SCN1A	2	166915099	T	C	122	I	V	0.632	Likely Benign
SCN1A	2	166915099	T	G	122	I	L	0.921	Likely Pathogenic
SCN1A	2	166915098	A	C	122	I	S	0.961	Likely Pathogenic
SCN1A	2	166915098	A	G	122	I	T	0.985	Likely Pathogenic
SCN1A	2	166915098	A	T	122	I	N	0.980	Likely Pathogenic
SCN1A	2	166915097	A	C	122	I	M	0.973	Likely Pathogenic
SCN1A	2	166915096	T	C	123	K	E	0.825	Likely Pathogenic
SCN1A	2	166915096	T	G	123	K	Q	0.495	Likely Benign
SCN1A	2	166915095	T	A	123	K	M	0.933	Likely Pathogenic
SCN1A	2	166915095	T	C	123	K	R	0.240	Likely Benign
SCN1A	2	166915095	T	G	123	K	T	0.900	Likely Pathogenic
SCN1A	2	166915094	C	A	123	K	N	0.833	Likely Pathogenic
SCN1A	2	166915094	C	G	123	K	N	0.826	Likely Pathogenic
SCN1A	2	166915093	T	A	124	I	F	0.948	Likely Pathogenic
SCN1A	2	166915093	T	C	124	I	V	0.211	Likely Benign
SCN1A	2	166915093	T	G	124	I	L	0.698	Likely Benign
SCN1A	2	166915092	A	C	124	I	S	0.972	Likely Pathogenic
SCN1A	2	166915092	A	G	124	I	T	0.899	Likely Pathogenic
SCN1A	2	166915092	A	T	124	I	N	0.977	Likely Pathogenic
SCN1A	2	166915091	A	C	124	I	M	0.950	Likely Pathogenic
SCN1A	2	166915090	A	C	125	L	V	0.721	Likely Benign
SCN1A	2	166915090	A	T	125	L	M	0.956	Likely Pathogenic
SCN1A	2	166915089	A	C	125	L	W	0.977	Likely Pathogenic
SCN1A	2	166915089	A	G	125	L	S	0.752	Likely Benign
SCN1A	2	166915088	C	A	125	L	F	0.811	Likely Pathogenic
SCN1A	2	166915088	C	G	125	L	F	0.822	Likely Pathogenic
SCN1A	2	166915087	C	A	126	V	L	0.503	Likely Benign
SCN1A	2	166915087	C	G	126	V	L	0.501	Likely Benign
SCN1A	2	166915087	C	T	126	V	I	0.176	Likely Benign
SCN1A	2	166915086	A	C	126	V	G	0.866	Likely Pathogenic
SCN1A	2	166915086	A	G	126	V	A	0.745	Likely Benign
SCN1A	2	166915086	A	T	126	V	E	0.844	Likely Pathogenic
SCN1A	2	166915084	G	A	127	H	Y	0.969	Likely Pathogenic
SCN1A	2	166915084	G	C	127	H	D	0.927	Likely Pathogenic
SCN1A	2	166915084	G	T	127	H	N	0.854	Likely Pathogenic
SCN1A	2	166915083	T	A	127	H	L	0.975	Likely Pathogenic
SCN1A	2	166915083	T	C	127	H	R	0.963	Likely Pathogenic
SCN1A	2	166915083	T	G	127	H	P	0.983	Likely Pathogenic
SCN1A	2	166915082	A	C	127	H	Q	0.836	Likely Pathogenic
SCN1A	2	166915082	A	T	127	H	Q	0.836	Likely Pathogenic
SCN1A	2	166915081	A	C	128	S	A	0.875	Likely Pathogenic
SCN1A	2	166915081	A	G	128	S	P	0.328	Likely Benign
SCN1A	2	166915081	A	T	128	S	T	0.464	Likely Benign
SCN1A	2	166915080	G	A	128	S	L	0.950	Likely Pathogenic
SCN1A	2	166913009	A	C	129	L	V	0.696	Likely Benign
SCN1A	2	166913009	A	T	129	L	I	0.662	Likely Benign
SCN1A	2	166913008	A	G	129	L	S	0.631	Likely Benign
SCN1A	2	166913007	T	A	129	L	F	0.292	Likely Benign
SCN1A	2	166913007	T	G	129	L	F	0.293	Likely Benign
SCN1A	2	166913006	A	C	130	F	V	0.940	Likely Pathogenic
SCN1A	2	166913006	A	G	130	F	L	0.946	Likely Pathogenic
SCN1A	2	166913006	A	T	130	F	I	0.951	Likely Pathogenic
SCN1A	2	166913005	A	C	130	F	C	0.985	Likely Pathogenic
SCN1A	2	166913005	A	G	130	F	S	0.977	Likely Pathogenic
SCN1A	2	166913005	A	T	130	F	Y	0.965	Likely Pathogenic
SCN1A	2	166913004	G	C	130	F	L	0.959	Likely Pathogenic
SCN1A	2	166913004	G	T	130	F	L	0.959	Likely Pathogenic
SCN1A	2	166913003	T	A	131	S	C	0.818	Likely Pathogenic
SCN1A	2	166913003	T	C	131	S	G	0.745	Likely Benign
SCN1A	2	166913003	T	G	131	S	R	0.416	Likely Benign
SCN1A	2	166913002	C	A	131	S	I	0.887	Likely Pathogenic
SCN1A	2	166913002	C	G	131	S	T	0.593	Likely Benign
SCN1A	2	166913002	C	T	131	S	N	0.326	Likely Benign
SCN1A	2	166913001	G	C	131	S	R	0.448	Likely Benign
SCN1A	2	166913001	G	T	131	S	R	0.451	Likely Benign
SCN1A	2	166913000	T	A	132	M	L	0.270	Likely Benign
SCN1A	2	166913000	T	C	132	M	V	0.711	Likely Benign
SCN1A	2	166913000	T	G	132	M	L	0.271	Likely Benign
SCN1A	2	166912999	A	C	132	M	R	0.895	Likely Pathogenic
SCN1A	2	166912999	A	G	132	M	T	0.779	Likely Benign
SCN1A	2	166912999	A	T	132	M	K	0.822	Likely Pathogenic
SCN1A	2	166912998	C	A	132	M	I	0.604	Likely Benign
SCN1A	2	166912998	C	G	132	M	I	0.611	Likely Benign
SCN1A	2	166912998	C	T	132	M	I	0.616	Likely Benign
SCN1A	2	166912997	G	C	133	L	V	0.253	Likely Benign
SCN1A	2	166912997	G	T	133	L	I	0.276	Likely Benign
SCN1A	2	166912996	A	C	133	L	R	0.964	Likely Pathogenic
SCN1A	2	166912996	A	G	133	L	P	0.960	Likely Pathogenic
SCN1A	2	166912996	A	T	133	L	Q	0.961	Likely Pathogenic
SCN1A	2	166912994	T	A	134	I	F	0.988	Likely Pathogenic
SCN1A	2	166912994	T	C	134	I	V	0.788	Likely Pathogenic
SCN1A	2	166912994	T	G	134	I	L	0.914	Likely Pathogenic
SCN1A	2	166912993	A	C	134	I	S	0.987	Likely Pathogenic
SCN1A	2	166912993	A	G	134	I	T	0.988	Likely Pathogenic
SCN1A	2	166912993	A	T	134	I	N	0.988	Likely Pathogenic
SCN1A	2	166912992	A	C	134	I	M	0.969	Likely Pathogenic
SCN1A	2	166912991	T	A	135	M	L	0.456	Likely Benign
SCN1A	2	166912991	T	C	135	M	V	0.968	Likely Pathogenic
SCN1A	2	166912991	T	G	135	M	L	0.461	Likely Benign
SCN1A	2	166912990	A	C	135	M	R	0.981	Likely Pathogenic
SCN1A	2	166912990	A	G	135	M	T	0.859	Likely Pathogenic
SCN1A	2	166912990	A	T	135	M	K	0.982	Likely Pathogenic
SCN1A	2	166912989	C	A	135	M	I	0.405	Likely Benign
SCN1A	2	166912989	C	G	135	M	I	0.393	Likely Benign
SCN1A	2	166912989	C	T	135	M	I	0.405	Likely Benign
SCN1A	2	166912988	A	C	136	C	G	0.908	Likely Pathogenic
SCN1A	2	166912988	A	G	136	C	R	0.969	Likely Pathogenic
SCN1A	2	166912988	A	T	136	C	S	0.835	Likely Pathogenic
SCN1A	2	166912987	C	A	136	C	F	0.310	Likely Benign
SCN1A	2	166912987	C	G	136	C	S	0.816	Likely Pathogenic
SCN1A	2	166912987	C	T	136	C	Y	0.941	Likely Pathogenic
SCN1A	2	166912986	G	C	136	C	W	0.976	Likely Pathogenic
SCN1A	2	166912985	T	A	137	T	S	0.938	Likely Pathogenic
SCN1A	2	166912985	T	C	137	T	A	0.946	Likely Pathogenic
SCN1A	2	166912985	T	G	137	T	P	0.980	Likely Pathogenic
SCN1A	2	166912984	G	A	137	T	I	0.974	Likely Pathogenic
SCN1A	2	166912984	G	C	137	T	S	0.929	Likely Pathogenic
SCN1A	2	166912984	G	T	137	T	N	0.983	Likely Pathogenic
SCN1A	2	166912982	T	A	138	I	F	0.988	Likely Pathogenic
SCN1A	2	166912982	T	C	138	I	V	0.775	Likely Benign
SCN1A	2	166912982	T	G	138	I	L	0.954	Likely Pathogenic
SCN1A	2	166912981	A	C	138	I	S	0.990	Likely Pathogenic
SCN1A	2	166912981	A	G	138	I	T	0.989	Likely Pathogenic
SCN1A	2	166912981	A	T	138	I	N	0.990	Likely Pathogenic
SCN1A	2	166912980	A	C	138	I	M	0.987	Likely Pathogenic
SCN1A	2	166912979	A	C	139	L	V	0.886	Likely Pathogenic
SCN1A	2	166912979	A	T	139	L	M	0.979	Likely Pathogenic
SCN1A	2	166912978	A	C	139	L	W	0.988	Likely Pathogenic
SCN1A	2	166912978	A	G	139	L	S	0.988	Likely Pathogenic
SCN1A	2	166912977	C	A	139	L	F	0.962	Likely Pathogenic
SCN1A	2	166912977	C	G	139	L	F	0.961	Likely Pathogenic
SCN1A	2	166912976	T	A	140	T	S	0.750	Likely Benign
SCN1A	2	166912976	T	C	140	T	A	0.393	Likely Benign
SCN1A	2	166912976	T	G	140	T	P	0.914	Likely Pathogenic
SCN1A	2	166912975	G	A	140	T	I	0.698	Likely Benign
SCN1A	2	166912975	G	C	140	T	R	0.963	Likely Pathogenic
SCN1A	2	166912975	G	T	140	T	K	0.963	Likely Pathogenic
SCN1A	2	166912973	T	A	141	N	Y	0.988	Likely Pathogenic
SCN1A	2	166912973	T	C	141	N	D	0.964	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN2A	2	166153600	C	T	114	P	L	0.96	Likely Pathogenic
SCN2A	2	166153602	T	A	115	F	I	0.918	Likely Pathogenic
SCN2A	2	166153602	T	C	115	F	L	0.355	Likely Benign
SCN2A	2	166153602	T	G	115	F	V	0.955	Likely Pathogenic
SCN2A	2	166153603	T	A	115	F	Y	0.84	Likely Pathogenic
SCN2A	2	166153603	T	C	115	F	S	0.939	Likely Pathogenic
SCN2A	2	166153603	T	G	115	F	C	0.967	Likely Pathogenic
SCN2A	2	166153604	C	A	115	F	L	0.318	Likely Benign
SCN2A	2	166153604	C	G	115	F	L	0.318	Likely Benign
SCN2A	2	166153605	A	C	116	N	H	0.657	Likely Benign
SCN2A	2	166153605	A	G	116	N	D	0.945	Likely Pathogenic
SCN2A	2	166153605	A	T	116	N	Y	0.979	Likely Pathogenic
SCN2A	2	166153606	A	C	116	N	T	0.956	Likely Pathogenic
SCN2A	2	166153606	A	G	116	N	S	0.555	Likely Benign
SCN2A	2	166153606	A	T	116	N	I	0.977	Likely Pathogenic
SCN2A	2	166153607	C	A	116	N	K	0.958	Likely Pathogenic
SCN2A	2	166153607	C	G	116	N	K	0.958	Likely Pathogenic
SCN2A	2	166153608	C	A	117	P	T	0.842	Likely Pathogenic
SCN2A	2	166153608	C	G	117	P	A	0.79	Likely Pathogenic
SCN2A	2	166153608	C	T	117	P	S	0.628	Likely Benign
SCN2A	2	166153609	C	A	117	P	H	0.907	Likely Pathogenic
SCN2A	2	166153609	C	G	117	P	R	0.71	Likely Benign
SCN2A	2	166153609	C	T	117	P	L	0.277	Likely Benign
SCN2A	2	166153611	A	C	118	I	L	0.099	Likely Benign
SCN2A	2	166153611	A	G	118	I	V	0.121	Likely Benign
SCN2A	2	166153611	A	T	118	I	F	0.241	Likely Benign
SCN2A	2	166153612	T	A	118	I	N	0.809	Likely Pathogenic
SCN2A	2	166153612	T	C	118	I	T	0.449	Likely Benign
SCN2A	2	166153612	T	G	118	I	S	0.752	Likely Benign
SCN2A	2	166153613	T	G	118	I	M	0.504	Likely Benign
SCN2A	2	166153614	A	G	119	R	G	0.99	Likely Pathogenic
SCN2A	2	166153615	G	A	119	R	K	0.988	Likely Pathogenic
SCN2A	2	166153615	G	C	119	R	T	0.991	Likely Pathogenic
SCN2A	2	166153615	G	T	119	R	I	0.99	Likely Pathogenic
SCN2A	2	166153616	A	C	119	R	S	0.991	Likely Pathogenic
SCN2A	2	166153616	A	T	119	R	S	0.991	Likely Pathogenic
SCN2A	2	166153617	A	C	120	K	Q	0.248	Likely Benign
SCN2A	2	166153617	A	G	120	K	E	0.509	Likely Benign
SCN2A	2	166153618	A	C	120	K	T	0.546	Likely Benign
SCN2A	2	166153618	A	G	120	K	R	0.043	Likely Benign
SCN2A	2	166153618	A	T	120	K	I	0.604	Likely Benign
SCN2A	2	166153619	A	C	120	K	N	0.416	Likely Benign
SCN2A	2	166153619	A	T	120	K	N	0.415	Likely Benign
SCN2A	2	166153620	T	A	121	L	I	0.062	Likely Benign
SCN2A	2	166153620	T	G	121	L	V	0.056	Likely Benign
SCN2A	2	166153621	T	C	121	L	S	0.227	Likely Benign
SCN2A	2	166153622	A	C	121	L	F	0.143	Likely Benign
SCN2A	2	166153622	A	T	121	L	F	0.143	Likely Benign
SCN2A	2	166153623	G	A	122	A	T	0.778	Likely Benign
SCN2A	2	166153623	G	C	122	A	P	0.931	Likely Pathogenic
SCN2A	2	166153623	G	T	122	A	S	0.267	Likely Benign
SCN2A	2	166153624	C	A	122	A	D	0.961	Likely Pathogenic
SCN2A	2	166153624	C	G	122	A	G	0.83	Likely Pathogenic
SCN2A	2	166153624	C	T	122	A	V	0.884	Likely Pathogenic
SCN2A	2	166153626	A	C	123	I	L	0.903	Likely Pathogenic
SCN2A	2	166153626	A	G	123	I	V	0.621	Likely Benign
SCN2A	2	166153626	A	T	123	I	F	0.967	Likely Pathogenic
SCN2A	2	166153627	T	A	123	I	N	0.978	Likely Pathogenic
SCN2A	2	166153627	T	C	123	I	T	0.98	Likely Pathogenic
SCN2A	2	166153627	T	G	123	I	S	0.953	Likely Pathogenic
SCN2A	2	166153628	T	G	123	I	M	0.96	Likely Pathogenic
SCN2A	2	166153629	A	C	124	K	Q	0.66	Likely Benign
SCN2A	2	166153629	A	G	124	K	E	0.925	Likely Pathogenic
SCN2A	2	166153630	A	C	124	K	T	0.894	Likely Pathogenic
SCN2A	2	166153630	A	G	124	K	R	0.263	Likely Benign
SCN2A	2	166153630	A	T	124	K	M	0.932	Likely Pathogenic
SCN2A	2	166153631	G	C	124	K	N	0.756	Likely Benign
SCN2A	2	166153631	G	T	124	K	N	0.748	Likely Benign
SCN2A	2	166153632	A	C	125	I	L	0.566	Likely Benign
SCN2A	2	166153632	A	G	125	I	V	0.199	Likely Benign
SCN2A	2	166153632	A	T	125	I	F	0.908	Likely Pathogenic
SCN2A	2	166153633	T	A	125	I	N	0.943	Likely Pathogenic
SCN2A	2	166153633	T	C	125	I	T	0.805	Likely Pathogenic
SCN2A	2	166153633	T	G	125	I	S	0.926	Likely Pathogenic
SCN2A	2	166153634	T	G	125	I	M	0.836	Likely Pathogenic
SCN2A	2	166153635	T	A	126	L	M	0.896	Likely Pathogenic
SCN2A	2	166153635	T	G	126	L	V	0.794	Likely Pathogenic
SCN2A	2	166153636	T	C	126	L	S	0.66	Likely Benign
SCN2A	2	166153636	T	G	126	L	W	0.975	Likely Pathogenic
SCN2A	2	166153637	G	C	126	L	F	0.835	Likely Pathogenic
SCN2A	2	166153637	G	T	126	L	F	0.832	Likely Pathogenic
SCN2A	2	166153638	G	A	127	V	I	0.176	Likely Benign
SCN2A	2	166153638	G	C	127	V	L	0.321	Likely Benign
SCN2A	2	166153638	G	T	127	V	L	0.321	Likely Benign
SCN2A	2	166153639	T	A	127	V	E	0.607	Likely Benign
SCN2A	2	166153639	T	C	127	V	A	0.638	Likely Benign
SCN2A	2	166153639	T	G	127	V	G	0.742	Likely Benign
SCN2A	2	166153641	C	A	128	H	N	0.672	Likely Benign
SCN2A	2	166153641	C	G	128	H	D	0.654	Likely Benign
SCN2A	2	166153641	C	T	128	H	Y	0.913	Likely Pathogenic
SCN2A	2	166153642	A	C	128	H	P	0.884	Likely Pathogenic
SCN2A	2	166153642	A	G	128	H	R	0.72	Likely Benign
SCN2A	2	166153642	A	T	128	H	L	0.898	Likely Pathogenic
SCN2A	2	166153643	T	A	128	H	Q	0.604	Likely Benign
SCN2A	2	166153643	T	G	128	H	Q	0.605	Likely Benign
SCN2A	2	166153644	T	A	129	S	T	0.349	Likely Benign
SCN2A	2	166153644	T	C	129	S	P	0.239	Likely Benign
SCN2A	2	166153644	T	G	129	S	A	0.61	Likely Benign
SCN2A	2	166164359	T	A	130	L	I	0.338	Likely Benign
SCN2A	2	166164359	T	G	130	L	V	0.285	Likely Benign
SCN2A	2	166164360	T	C	130	L	S	0.662	Likely Benign
SCN2A	2	166164361	A	C	130	L	F	0.317	Likely Benign
SCN2A	2	166164361	A	T	130	L	F	0.317	Likely Benign
SCN2A	2	166164362	T	A	131	F	I	0.849	Likely Pathogenic
SCN2A	2	166164362	T	C	131	F	L	0.85	Likely Pathogenic
SCN2A	2	166164362	T	G	131	F	V	0.732	Likely Benign
SCN2A	2	166164363	T	A	131	F	Y	0.944	Likely Pathogenic
SCN2A	2	166164363	T	C	131	F	S	0.939	Likely Pathogenic
SCN2A	2	166164363	T	G	131	F	C	0.97	Likely Pathogenic
SCN2A	2	166164364	C	A	131	F	L	0.8	Likely Pathogenic
SCN2A	2	166164364	C	G	131	F	L	0.793	Likely Pathogenic
SCN2A	2	166164365	A	C	132	N	H	0.356	Likely Benign
SCN2A	2	166164365	A	G	132	N	D	0.179	Likely Benign
SCN2A	2	166164365	A	T	132	N	Y	0.475	Likely Benign
SCN2A	2	166164366	A	C	132	N	T	0.294	Likely Benign
SCN2A	2	166164366	A	G	132	N	S	0.08	Likely Benign
SCN2A	2	166164366	A	T	132	N	I	0.474	Likely Benign
SCN2A	2	166164367	T	A	132	N	K	0.626	Likely Benign
SCN2A	2	166164367	T	G	132	N	K	0.59	Likely Benign
SCN2A	2	166164368	A	C	133	M	L	0.207	Likely Benign
SCN2A	2	166164368	A	G	133	M	V	0.372	Likely Benign
SCN2A	2	166164368	A	T	133	M	L	0.208	Likely Benign
SCN2A	2	166164369	T	A	133	M	K	0.756	Likely Benign
SCN2A	2	166164369	T	C	133	M	T	0.622	Likely Benign
SCN2A	2	166164369	T	G	133	M	R	0.825	Likely Pathogenic
SCN2A	2	166164370	G	A	133	M	I	0.393	Likely Benign
SCN2A	2	166164370	G	C	133	M	I	0.394	Likely Benign
SCN2A	2	166164370	G	T	133	M	I	0.391	Likely Benign
SCN2A	2	166164371	C	A	134	L	I	0.224	Likely Benign
SCN2A	2	166164371	C	G	134	L	V	0.26	Likely Benign
SCN2A	2	166164371	C	T	134	L	F	0.171	Likely Benign
SCN2A	2	166164372	T	A	134	L	H	0.896	Likely Pathogenic
SCN2A	2	166164372	T	C	134	L	P	0.956	Likely Pathogenic
SCN2A	2	166164372	T	G	134	L	R	0.946	Likely Pathogenic
SCN2A	2	166164374	A	C	135	I	L	0.687	Likely Benign
SCN2A	2	166164374	A	G	135	I	V	0.565	Likely Benign
SCN2A	2	166164374	A	T	135	I	F	0.969	Likely Pathogenic
SCN2A	2	166164375	T	A	135	I	N	0.982	Likely Pathogenic
SCN2A	2	166164375	T	C	135	I	T	0.98	Likely Pathogenic
SCN2A	2	166164375	T	G	135	I	S	0.978	Likely Pathogenic
SCN2A	2	166164376	T	G	135	I	M	0.913	Likely Pathogenic
SCN2A	2	166164377	A	C	136	M	L	0.578	Likely Benign
SCN2A	2	166164377	A	G	136	M	V	0.947	Likely Pathogenic
SCN2A	2	166164377	A	T	136	M	L	0.578	Likely Benign
SCN2A	2	166164378	T	A	136	M	K	0.958	Likely Pathogenic
SCN2A	2	166164378	T	C	136	M	T	0.803	Likely Pathogenic
SCN2A	2	166164378	T	G	136	M	R	0.959	Likely Pathogenic
SCN2A	2	166164379	G	A	136	M	I	0.65	Likely Benign
SCN2A	2	166164379	G	C	136	M	I	0.623	Likely Benign
SCN2A	2	166164379	G	T	136	M	I	0.65	Likely Benign
SCN2A	2	166164380	T	A	137	C	S	0.742	Likely Benign
SCN2A	2	166164380	T	C	137	C	R	0.966	Likely Pathogenic
SCN2A	2	166164380	T	G	137	C	G	0.924	Likely Pathogenic
SCN2A	2	166164381	G	A	137	C	Y	0.753	Likely Benign
SCN2A	2	166164381	G	C	137	C	S	0.505	Likely Benign
SCN2A	2	166164381	G	T	137	C	F	0.237	Likely Benign
SCN2A	2	166164382	C	G	137	C	W	0.839	Likely Pathogenic
SCN2A	2	166164383	A	C	138	T	P	0.971	Likely Pathogenic
SCN2A	2	166164383	A	G	138	T	A	0.716	Likely Benign
SCN2A	2	166164383	A	T	138	T	S	0.906	Likely Pathogenic
SCN2A	2	166164384	C	A	138	T	K	0.962	Likely Pathogenic
SCN2A	2	166164384	C	G	138	T	R	0.968	Likely Pathogenic
SCN2A	2	166164384	C	T	138	T	M	0.966	Likely Pathogenic
SCN2A	2	166164386	A	C	139	I	L	0.912	Likely Pathogenic
SCN2A	2	166164386	A	G	139	I	V	0.803	Likely Pathogenic
SCN2A	2	166164386	A	T	139	I	F	0.978	Likely Pathogenic
SCN2A	2	166164387	T	A	139	I	N	0.987	Likely Pathogenic
SCN2A	2	166164387	T	C	139	I	T	0.983	Likely Pathogenic
SCN2A	2	166164387	T	G	139	I	S	0.982	Likely Pathogenic
SCN2A	2	166164388	T	G	139	I	M	0.981	Likely Pathogenic
SCN2A	2	166164389	C	A	140	L	I	0.746	Likely Benign
SCN2A	2	166164389	C	G	140	L	V	0.735	Likely Benign
SCN2A	2	166164389	C	T	140	L	F	0.781	Likely Benign
SCN2A	2	166164390	T	A	140	L	H	0.983	Likely Pathogenic
SCN2A	2	166164390	T	C	140	L	P	0.986	Likely Pathogenic
SCN2A	2	166164390	T	G	140	L	R	0.981	Likely Pathogenic
SCN2A	2	166164392	A	C	141	T	P	0.945	Likely Pathogenic
SCN2A	2	166164392	A	G	141	T	A	0.441	Likely Benign
SCN2A	2	166164392	A	T	141	T	S	0.721	Likely Benign
SCN2A	2	166164393	C	A	141	T	N	0.953	Likely Pathogenic
SCN2A	2	166164393	C	G	141	T	S	0.909	Likely Pathogenic
SCN2A	2	166164393	C	T	141	T	I	0.69	Likely Benign
SCN2A	2	166164395	A	C	142	N	H	0.965	Likely Pathogenic
SCN2A	2	166164395	A	G	142	N	D	0.918	Likely Pathogenic
SCN2A	2	166164395	A	T	142	N	Y	0.982	Likely Pathogenic
SCN2A	2	166164396	A	C	142	N	T	0.949	Likely Pathogenic
SCN2A	2	166164396	A	G	142	N	S	0.942	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN8A	12	52078021	A	G	114	I	V	0.243	Likely Benign
SCN8A	12	52078021	A	T	114	I	F	0.325	Likely Benign
SCN8A	12	52078022	T	A	114	I	N	0.833	Likely Pathogenic
SCN8A	12	52078022	T	C	114	I	T	0.465	Likely Benign
SCN8A	12	52078022	T	G	114	I	S	0.803	Likely Pathogenic
SCN8A	12	52078023	T	G	114	I	M	0.217	Likely Benign
SCN8A	12	52078024	T	A	115	L	I	0.312	Likely Benign
SCN8A	12	52078024	T	G	115	L	V	0.894	Likely Pathogenic
SCN8A	12	52078025	T	C	115	L	S	0.925	Likely Pathogenic
SCN8A	12	52078026	A	C	115	L	F	0.282	Likely Benign
SCN8A	12	52078026	A	T	115	L	F	0.294	Likely Benign
SCN8A	12	52078027	A	C	116	S	R	0.816	Likely Pathogenic
SCN8A	12	52078027	A	G	116	S	G	0.402	Likely Benign
SCN8A	12	52078027	A	T	116	S	C	0.817	Likely Pathogenic
SCN8A	12	52078028	G	A	116	S	N	0.608	Likely Benign
SCN8A	12	52078028	G	C	116	S	T	0.172	Likely Benign
SCN8A	12	52078028	G	T	116	S	I	0.771	Likely Benign
SCN8A	12	52078029	T	A	116	S	R	0.755	Likely Benign
SCN8A	12	52078029	T	G	116	S	R	0.746	Likely Benign
SCN8A	12	52078030	C	A	117	P	T	0.974	Likely Pathogenic
SCN8A	12	52078030	C	G	117	P	A	0.946	Likely Pathogenic
SCN8A	12	52078030	C	T	117	P	S	0.893	Likely Pathogenic
SCN8A	12	52078031	C	A	117	P	H	0.968	Likely Pathogenic
SCN8A	12	52078031	C	G	117	P	R	0.972	Likely Pathogenic
SCN8A	12	52078031	C	T	117	P	L	0.899	Likely Pathogenic
SCN8A	12	52078033	T	A	118	F	I	0.886	Likely Pathogenic
SCN8A	12	52078033	T	C	118	F	L	0.241	Likely Benign
SCN8A	12	52078033	T	G	118	F	V	0.907	Likely Pathogenic
SCN8A	12	52078034	T	A	118	F	Y	0.909	Likely Pathogenic
SCN8A	12	52078034	T	C	118	F	S	0.860	Likely Pathogenic
SCN8A	12	52078034	T	G	118	F	C	0.921	Likely Pathogenic
SCN8A	12	52078035	T	A	118	F	L	0.231	Likely Benign
SCN8A	12	52078035	T	G	118	F	L	0.230	Likely Benign
SCN8A	12	52078036	A	C	119	N	H	0.608	Likely Benign
SCN8A	12	52078036	A	G	119	N	D	0.954	Likely Pathogenic
SCN8A	12	52078036	A	T	119	N	Y	0.967	Likely Pathogenic
SCN8A	12	52078037	A	C	119	N	T	0.897	Likely Pathogenic
SCN8A	12	52078037	A	G	119	N	S	0.377	Likely Benign
SCN8A	12	52078037	A	T	119	N	I	0.965	Likely Pathogenic
SCN8A	12	52078038	C	A	119	N	K	0.933	Likely Pathogenic
SCN8A	12	52078038	C	G	119	N	K	0.933	Likely Pathogenic
SCN8A	12	52078039	C	A	120	L	M	0.310	Likely Benign
SCN8A	12	52078039	C	G	120	L	V	0.189	Likely Benign
SCN8A	12	52078040	T	A	120	L	Q	0.408	Likely Benign
SCN8A	12	52078040	T	C	120	L	P	0.043	Likely Benign
SCN8A	12	52078040	T	G	120	L	R	0.294	Likely Benign
SCN8A	12	52078042	A	C	121	I	L	0.109	Likely Benign
SCN8A	12	52078042	A	G	121	I	V	0.130	Likely Benign
SCN8A	12	52078042	A	T	121	I	L	0.111	Likely Benign
SCN8A	12	52078043	T	A	121	I	K	0.703	Likely Benign
SCN8A	12	52078043	T	C	121	I	T	0.360	Likely Benign
SCN8A	12	52078043	T	G	121	I	R	0.682	Likely Benign
SCN8A	12	52078044	A	G	121	I	M	0.341	Likely Benign
SCN8A	12	52078045	A	G	122	R	G	0.986	Likely Pathogenic
SCN8A	12	52078046	G	A	122	R	K	0.989	Likely Pathogenic
SCN8A	12	52078046	G	C	122	R	T	0.990	Likely Pathogenic
SCN8A	12	52078046	G	T	122	R	I	0.985	Likely Pathogenic
SCN8A	12	52078047	A	C	122	R	S	0.981	Likely Pathogenic
SCN8A	12	52078047	A	T	122	R	S	0.981	Likely Pathogenic
SCN8A	12	52078048	A	G	123	R	G	0.583	Likely Benign
SCN8A	12	52078049	G	A	123	R	K	0.160	Likely Benign
SCN8A	12	52078049	G	C	123	R	T	0.512	Likely Benign
SCN8A	12	52078049	G	T	123	R	I	0.604	Likely Benign
SCN8A	12	52078050	A	C	123	R	S	0.481	Likely Benign
SCN8A	12	52078050	A	T	123	R	S	0.482	Likely Benign
SCN8A	12	52078051	A	C	124	I	L	0.147	Likely Benign
SCN8A	12	52078051	A	G	124	I	V	0.133	Likely Benign
SCN8A	12	52078051	A	T	124	I	L	0.146	Likely Benign
SCN8A	12	52078052	T	A	124	I	K	0.786	Likely Pathogenic
SCN8A	12	52078052	T	C	124	I	T	0.226	Likely Benign
SCN8A	12	52078052	T	G	124	I	R	0.565	Likely Benign
SCN8A	12	52078053	A	G	124	I	M	0.541	Likely Benign
SCN8A	12	52078054	G	A	125	A	T	0.899	Likely Pathogenic
SCN8A	12	52078054	G	C	125	A	P	0.968	Likely Pathogenic
SCN8A	12	52078054	G	T	125	A	S	0.488	Likely Benign
SCN8A	12	52078055	C	A	125	A	D	0.968	Likely Pathogenic
SCN8A	12	52078055	C	G	125	A	G	0.903	Likely Pathogenic
SCN8A	12	52078055	C	T	125	A	V	0.938	Likely Pathogenic
SCN8A	12	52078057	A	C	126	I	L	0.856	Likely Pathogenic
SCN8A	12	52078057	A	G	126	I	V	0.535	Likely Benign
SCN8A	12	52078057	A	T	126	I	F	0.932	Likely Pathogenic
SCN8A	12	52078058	T	A	126	I	N	0.960	Likely Pathogenic
SCN8A	12	52078058	T	C	126	I	T	0.972	Likely Pathogenic
SCN8A	12	52078058	T	G	126	I	S	0.926	Likely Pathogenic
SCN8A	12	52078059	T	G	126	I	M	0.921	Likely Pathogenic
SCN8A	12	52078060	A	C	127	K	Q	0.818	Likely Pathogenic
SCN8A	12	52078060	A	G	127	K	E	0.928	Likely Pathogenic
SCN8A	12	52078061	A	C	127	K	T	0.908	Likely Pathogenic
SCN8A	12	52078061	A	G	127	K	R	0.298	Likely Benign
SCN8A	12	52078061	A	T	127	K	I	0.955	Likely Pathogenic
SCN8A	12	52078062	A	C	127	K	N	0.910	Likely Pathogenic
SCN8A	12	52078062	A	T	127	K	N	0.910	Likely Pathogenic
SCN8A	12	52078063	A	C	128	I	L	0.751	Likely Benign
SCN8A	12	52078063	A	G	128	I	V	0.310	Likely Benign
SCN8A	12	52078063	A	T	128	I	F	0.959	Likely Pathogenic
SCN8A	12	52078064	T	A	128	I	N	0.966	Likely Pathogenic
SCN8A	12	52078064	T	C	128	I	T	0.923	Likely Pathogenic
SCN8A	12	52078064	T	G	128	I	S	0.964	Likely Pathogenic
SCN8A	12	52078065	T	G	128	I	M	0.955	Likely Pathogenic
SCN8A	12	52078066	T	A	129	L	M	0.916	Likely Pathogenic
SCN8A	12	52078066	T	G	129	L	V	0.876	Likely Pathogenic
SCN8A	12	52078067	T	C	129	L	S	0.566	Likely Benign
SCN8A	12	52078067	T	G	129	L	W	0.965	Likely Pathogenic
SCN8A	12	52078068	G	C	129	L	F	0.865	Likely Pathogenic
SCN8A	12	52078068	G	T	129	L	F	0.865	Likely Pathogenic
SCN8A	12	52078069	A	C	130	I	L	0.239	Likely Benign
SCN8A	12	52078069	A	G	130	I	V	0.053	Likely Benign
SCN8A	12	52078069	A	T	130	I	L	0.241	Likely Benign
SCN8A	12	52078070	T	A	130	I	K	0.724	Likely Benign
SCN8A	12	52078070	T	C	130	I	T	0.257	Likely Benign
SCN8A	12	52078070	T	G	130	I	R	0.733	Likely Benign
SCN8A	12	52078071	A	G	130	I	M	0.446	Likely Benign
SCN8A	12	52078072	C	A	131	H	N	0.858	Likely Pathogenic
SCN8A	12	52078072	C	G	131	H	D	0.934	Likely Pathogenic
SCN8A	12	52078072	C	T	131	H	Y	0.956	Likely Pathogenic
SCN8A	12	52078073	A	C	131	H	P	0.970	Likely Pathogenic
SCN8A	12	52078073	A	G	131	H	R	0.939	Likely Pathogenic
SCN8A	12	52078073	A	T	131	H	L	0.974	Likely Pathogenic
SCN8A	12	52078074	T	A	131	H	Q	0.878	Likely Pathogenic
SCN8A	12	52078074	T	G	131	H	Q	0.876	Likely Pathogenic
SCN8A	12	52078075	T	A	132	S	T	0.549	Likely Benign
SCN8A	12	52078075	T	C	132	S	P	0.353	Likely Benign
SCN8A	12	52078075	T	G	132	S	A	0.867	Likely Pathogenic
SCN8A	12	52080153	G	A	133	V	I	0.147	Likely Benign
SCN8A	12	52080153	G	C	133	V	L	0.041	Likely Benign
SCN8A	12	52080153	G	T	133	V	L	0.040	Likely Benign
SCN8A	12	52080154	T	A	133	V	E	0.408	Likely Benign
SCN8A	12	52080154	T	C	133	V	A	0.249	Likely Benign
SCN8A	12	52080154	T	G	133	V	G	0.449	Likely Benign
SCN8A	12	52080156	T	A	134	F	I	0.782	Likely Pathogenic
SCN8A	12	52080156	T	C	134	F	L	0.810	Likely Pathogenic
SCN8A	12	52080156	T	G	134	F	V	0.849	Likely Pathogenic
SCN8A	12	52080157	T	A	134	F	Y	0.923	Likely Pathogenic
SCN8A	12	52080157	T	C	134	F	S	0.867	Likely Pathogenic
SCN8A	12	52080157	T	G	134	F	C	0.948	Likely Pathogenic
SCN8A	12	52080158	T	A	134	F	L	0.721	Likely Benign
SCN8A	12	52080158	T	G	134	F	L	0.721	Likely Benign
SCN8A	12	52080159	A	C	135	S	R	0.388	Likely Benign
SCN8A	12	52080159	A	G	135	S	G	0.789	Likely Pathogenic
SCN8A	12	52080159	A	T	135	S	C	0.675	Likely Benign
SCN8A	12	52080160	G	A	135	S	N	0.320	Likely Benign
SCN8A	12	52080160	G	C	135	S	T	0.661	Likely Benign
SCN8A	12	52080160	G	T	135	S	I	0.919	Likely Pathogenic
SCN8A	12	52080161	C	A	135	S	R	0.376	Likely Benign
SCN8A	12	52080161	C	G	135	S	R	0.388	Likely Benign
SCN8A	12	52080162	A	C	136	M	L	0.273	Likely Benign
SCN8A	12	52080162	A	G	136	M	V	0.692	Likely Benign
SCN8A	12	52080162	A	T	136	M	L	0.273	Likely Benign
SCN8A	12	52080163	T	A	136	M	K	0.818	Likely Pathogenic
SCN8A	12	52080163	T	C	136	M	T	0.760	Likely Benign
SCN8A	12	52080163	T	G	136	M	R	0.851	Likely Pathogenic
SCN8A	12	52080164	G	A	136	M	I	0.458	Likely Benign
SCN8A	12	52080164	G	C	136	M	I	0.456	Likely Benign
SCN8A	12	52080164	G	T	136	M	I	0.457	Likely Benign
SCN8A	12	52080165	A	C	137	I	L	0.094	Likely Benign
SCN8A	12	52080165	A	G	137	I	V	0.179	Likely Benign
SCN8A	12	52080165	A	T	137	I	F	0.117	Likely Benign
SCN8A	12	52080166	T	A	137	I	N	0.801	Likely Pathogenic
SCN8A	12	52080166	T	C	137	I	T	0.621	Likely Benign
SCN8A	12	52080166	T	G	137	I	S	0.733	Likely Benign
SCN8A	12	52080167	C	G	137	I	M	0.512	Likely Benign
SCN8A	12	52080168	A	C	138	I	L	0.913	Likely Pathogenic
SCN8A	12	52080168	A	G	138	I	V	0.843	Likely Pathogenic
SCN8A	12	52080168	A	T	138	I	F	0.981	Likely Pathogenic
SCN8A	12	52080169	T	A	138	I	N	0.982	Likely Pathogenic
SCN8A	12	52080169	T	C	138	I	T	0.981	Likely Pathogenic
SCN8A	12	52080169	T	G	138	I	S	0.980	Likely Pathogenic
SCN8A	12	52080170	T	G	138	I	M	0.965	Likely Pathogenic
SCN8A	12	52080171	A	C	139	M	L	0.785	Likely Pathogenic
SCN8A	12	52080171	A	G	139	M	V	0.967	Likely Pathogenic
SCN8A	12	52080171	A	T	139	M	L	0.789	Likely Pathogenic
SCN8A	12	52080172	T	A	139	M	K	0.978	Likely Pathogenic
SCN8A	12	52080172	T	C	139	M	T	0.912	Likely Pathogenic
SCN8A	12	52080172	T	G	139	M	R	0.979	Likely Pathogenic
SCN8A	12	52080173	G	A	139	M	I	0.527	Likely Benign
SCN8A	12	52080173	G	C	139	M	I	0.523	Likely Benign
SCN8A	12	52080173	G	T	139	M	I	0.524	Likely Benign
SCN8A	12	52080174	T	A	140	C	S	0.596	Likely Benign
SCN8A	12	52080174	T	C	140	C	R	0.873	Likely Pathogenic
SCN8A	12	52080174	T	G	140	C	G	0.817	Likely Pathogenic
SCN8A	12	52080175	G	A	140	C	Y	0.791	Likely Pathogenic
SCN8A	12	52080175	G	C	140	C	S	0.525	Likely Benign
SCN8A	12	52080175	G	T	140	C	F	0.298	Likely Benign
SCN8A	12	52080176	C	G	140	C	W	0.786	Likely Pathogenic
SCN8A	12	52080177	A	C	141	T	P	0.977	Likely Pathogenic
SCN8A	12	52080177	A	G	141	T	A	0.934	Likely Pathogenic
SCN8A	12	52080177	A	T	141	T	S	0.938	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166912973	T	G	141	N	H	0.977	Likely Pathogenic
SCN1A	2	166912972	T	A	141	N	I	0.984	Likely Pathogenic
SCN1A	2	166912972	T	C	141	N	S	0.975	Likely Pathogenic
SCN1A	2	166912972	T	G	141	N	T	0.980	Likely Pathogenic
SCN1A	2	166912971	G	C	141	N	K	0.988	Likely Pathogenic
SCN1A	2	166912971	G	T	141	N	K	0.988	Likely Pathogenic
SCN1A	2	166912970	A	C	142	C	G	0.987	Likely Pathogenic
SCN1A	2	166912970	A	G	142	C	R	0.987	Likely Pathogenic
SCN1A	2	166912970	A	T	142	C	S	0.977	Likely Pathogenic
SCN1A	2	166912969	C	A	142	C	F	0.975	Likely Pathogenic
SCN1A	2	166912969	C	G	142	C	S	0.971	Likely Pathogenic
SCN1A	2	166912969	C	T	142	C	Y	0.986	Likely Pathogenic
SCN1A	2	166912968	A	C	142	C	W	0.987	Likely Pathogenic
SCN1A	2	166912967	C	A	143	V	L	0.902	Likely Pathogenic
SCN1A	2	166912967	C	G	143	V	L	0.903	Likely Pathogenic
SCN1A	2	166912967	C	T	143	V	M	0.946	Likely Pathogenic
SCN1A	2	166912966	A	C	143	V	G	0.879	Likely Pathogenic
SCN1A	2	166912966	A	G	143	V	A	0.354	Likely Benign
SCN1A	2	166912966	A	T	143	V	E	0.972	Likely Pathogenic
SCN1A	2	166912964	A	C	144	F	V	0.932	Likely Pathogenic
SCN1A	2	166912964	A	G	144	F	L	0.616	Likely Benign
SCN1A	2	166912964	A	T	144	F	I	0.934	Likely Pathogenic
SCN1A	2	166912963	A	C	144	F	C	0.925	Likely Pathogenic
SCN1A	2	166912963	A	G	144	F	S	0.976	Likely Pathogenic
SCN1A	2	166912963	A	T	144	F	Y	0.954	Likely Pathogenic
SCN1A	2	166912962	A	C	144	F	L	0.523	Likely Benign
SCN1A	2	166912962	A	T	144	F	L	0.523	Likely Benign
SCN1A	2	166912961	T	A	145	M	L	0.812	Likely Pathogenic
SCN1A	2	166912961	T	C	145	M	V	0.978	Likely Pathogenic
SCN1A	2	166912961	T	G	145	M	L	0.806	Likely Pathogenic
SCN1A	2	166912960	A	C	145	M	R	0.986	Likely Pathogenic
SCN1A	2	166912960	A	G	145	M	T	0.983	Likely Pathogenic
SCN1A	2	166912960	A	T	145	M	K	0.986	Likely Pathogenic
SCN1A	2	166912959	C	A	145	M	I	0.970	Likely Pathogenic
SCN1A	2	166912959	C	G	145	M	I	0.971	Likely Pathogenic
SCN1A	2	166912959	C	T	145	M	I	0.970	Likely Pathogenic
SCN1A	2	166912958	T	A	146	T	S	0.703	Likely Benign
SCN1A	2	166912958	T	C	146	T	A	0.315	Likely Benign
SCN1A	2	166912958	T	G	146	T	P	0.968	Likely Pathogenic
SCN1A	2	166912957	G	A	146	T	I	0.559	Likely Benign
SCN1A	2	166912957	G	C	146	T	R	0.974	Likely Pathogenic
SCN1A	2	166912957	G	T	146	T	K	0.972	Likely Pathogenic
SCN1A	2	166912955	T	A	147	M	L	0.146	Likely Benign
SCN1A	2	166912955	T	C	147	M	V	0.493	Likely Benign
SCN1A	2	166912955	T	G	147	M	L	0.142	Likely Benign
SCN1A	2	166912954	A	C	147	M	R	0.625	Likely Benign
SCN1A	2	166912954	A	G	147	M	T	0.807	Likely Pathogenic
SCN1A	2	166912954	A	T	147	M	K	0.835	Likely Pathogenic
SCN1A	2	166912953	C	A	147	M	I	0.489	Likely Benign
SCN1A	2	166912953	C	G	147	M	I	0.477	Likely Benign
SCN1A	2	166912953	C	T	147	M	I	0.484	Likely Benign
SCN1A	2	166912952	T	A	148	S	C	0.971	Likely Pathogenic
SCN1A	2	166912952	T	C	148	S	G	0.817	Likely Pathogenic
SCN1A	2	166912952	T	G	148	S	R	0.894	Likely Pathogenic
SCN1A	2	166912951	C	A	148	S	I	0.935	Likely Pathogenic
SCN1A	2	166912951	C	G	148	S	T	0.476	Likely Benign
SCN1A	2	166912951	C	T	148	S	N	0.591	Likely Benign
SCN1A	2	166912950	A	C	148	S	R	0.830	Likely Pathogenic
SCN1A	2	166912950	A	T	148	S	R	0.829	Likely Pathogenic
SCN1A	2	166912949	T	A	149	N	Y	0.966	Likely Pathogenic
SCN1A	2	166912949	T	C	149	N	D	0.273	Likely Benign
SCN1A	2	166912949	T	G	149	N	H	0.938	Likely Pathogenic
SCN1A	2	166912948	T	A	149	N	I	0.898	Likely Pathogenic
SCN1A	2	166912948	T	C	149	N	S	0.310	Likely Benign
SCN1A	2	166912948	T	G	149	N	T	0.411	Likely Benign
SCN1A	2	166912947	G	C	149	N	K	0.327	Likely Benign
SCN1A	2	166912947	G	T	149	N	K	0.337	Likely Benign
SCN1A	2	166912946	G	A	150	P	S	0.772	Likely Benign
SCN1A	2	166912946	G	C	150	P	A	0.814	Likely Pathogenic
SCN1A	2	166912946	G	T	150	P	T	0.426	Likely Benign
SCN1A	2	166912945	G	A	150	P	L	0.406	Likely Benign
SCN1A	2	166912945	G	C	150	P	R	0.962	Likely Pathogenic
SCN1A	2	166912945	G	T	150	P	H	0.932	Likely Pathogenic
SCN1A	2	166912943	G	A	151	P	S	0.945	Likely Pathogenic
SCN1A	2	166912943	G	C	151	P	A	0.913	Likely Pathogenic
SCN1A	2	166912943	G	T	151	P	T	0.947	Likely Pathogenic
SCN1A	2	166912942	G	A	151	P	L	0.971	Likely Pathogenic
SCN1A	2	166912942	G	C	151	P	R	0.968	Likely Pathogenic
SCN1A	2	166912942	G	T	151	P	H	0.981	Likely Pathogenic
SCN1A	2	166912940	C	A	152	D	Y	0.686	Likely Benign
SCN1A	2	166912940	C	G	152	D	H	0.679	Likely Benign
SCN1A	2	166912940	C	T	152	D	N	0.272	Likely Benign
SCN1A	2	166912939	T	A	152	D	V	0.637	Likely Benign
SCN1A	2	166912939	T	C	152	D	G	0.380	Likely Benign
SCN1A	2	166912939	T	G	152	D	A	0.289	Likely Benign
SCN1A	2	166912938	A	C	152	D	E	0.150	Likely Benign
SCN1A	2	166912938	A	T	152	D	E	0.150	Likely Benign
SCN1A	2	166912937	A	C	153	W	G	0.976	Likely Pathogenic
SCN1A	2	166912937	A	G	153	W	R	0.972	Likely Pathogenic
SCN1A	2	166912937	A	T	153	W	R	0.972	Likely Pathogenic
SCN1A	2	166912936	C	A	153	W	L	0.981	Likely Pathogenic
SCN1A	2	166912936	C	G	153	W	S	0.937	Likely Pathogenic
SCN1A	2	166912935	C	A	153	W	C	0.984	Likely Pathogenic
SCN1A	2	166912935	C	G	153	W	C	0.984	Likely Pathogenic
SCN1A	2	166912934	T	A	154	T	S	0.249	Likely Benign
SCN1A	2	166912934	T	C	154	T	A	0.297	Likely Benign
SCN1A	2	166912934	T	G	154	T	P	0.803	Likely Pathogenic
SCN1A	2	166912933	G	A	154	T	I	0.461	Likely Benign
SCN1A	2	166912933	G	C	154	T	R	0.864	Likely Pathogenic
SCN1A	2	166912933	G	T	154	T	K	0.915	Likely Pathogenic
SCN1A	2	166912931	T	C	155	K	E	0.796	Likely Pathogenic
SCN1A	2	166912931	T	G	155	K	Q	0.956	Likely Pathogenic
SCN1A	2	166912930	T	A	155	K	M	0.980	Likely Pathogenic
SCN1A	2	166912930	T	C	155	K	R	0.958	Likely Pathogenic
SCN1A	2	166912930	T	G	155	K	T	0.967	Likely Pathogenic
SCN1A	2	166912929	C	A	155	K	N	0.895	Likely Pathogenic
SCN1A	2	166912929	C	G	155	K	N	0.895	Likely Pathogenic
SCN1A	2	166912928	T	A	156	N	Y	0.332	Likely Benign
SCN1A	2	166912928	T	C	156	N	D	0.487	Likely Benign
SCN1A	2	166912928	T	G	156	N	H	0.723	Likely Benign
SCN1A	2	166912927	T	A	156	N	I	0.318	Likely Benign
SCN1A	2	166912927	T	C	156	N	S	0.313	Likely Benign
SCN1A	2	166912927	T	G	156	N	T	0.304	Likely Benign
SCN1A	2	166912926	A	C	156	N	K	0.322	Likely Benign
SCN1A	2	166912926	A	T	156	N	K	0.323	Likely Benign
SCN1A	2	166912925	C	A	157	V	L	0.782	Likely Pathogenic
SCN1A	2	166912925	C	G	157	V	L	0.781	Likely Benign
SCN1A	2	166912925	C	T	157	V	I	0.815	Likely Pathogenic
SCN1A	2	166912924	A	C	157	V	G	0.985	Likely Pathogenic
SCN1A	2	166912924	A	G	157	V	A	0.960	Likely Pathogenic
SCN1A	2	166912924	A	T	157	V	E	0.990	Likely Pathogenic
SCN1A	2	166912922	C	G	158	E	Q	0.989	Likely Pathogenic
SCN1A	2	166912922	C	T	158	E	K	0.987	Likely Pathogenic
SCN1A	2	166912921	T	A	158	E	V	0.989	Likely Pathogenic
SCN1A	2	166912921	T	C	158	E	G	0.985	Likely Pathogenic
SCN1A	2	166912921	T	G	158	E	A	0.992	Likely Pathogenic
SCN1A	2	166911275	A	C	159	Y	D	0.993	Likely Pathogenic
SCN1A	2	166911275	A	G	159	Y	H	0.982	Likely Pathogenic
SCN1A	2	166911275	A	T	159	Y	N	0.984	Likely Pathogenic
SCN1A	2	166911274	T	A	159	Y	F	0.881	Likely Pathogenic
SCN1A	2	166911274	T	C	159	Y	C	0.989	Likely Pathogenic
SCN1A	2	166911274	T	G	159	Y	S	0.985	Likely Pathogenic
SCN1A	2	166911272	T	A	160	T	S	0.960	Likely Pathogenic
SCN1A	2	166911272	T	C	160	T	A	0.887	Likely Pathogenic
SCN1A	2	166911272	T	G	160	T	P	0.974	Likely Pathogenic
SCN1A	2	166911271	G	A	160	T	I	0.751	Likely Benign
SCN1A	2	166911271	G	C	160	T	S	0.963	Likely Pathogenic
SCN1A	2	166911271	G	T	160	T	N	0.983	Likely Pathogenic
SCN1A	2	166911269	A	C	161	F	V	0.987	Likely Pathogenic
SCN1A	2	166911269	A	G	161	F	L	0.981	Likely Pathogenic
SCN1A	2	166911269	A	T	161	F	I	0.983	Likely Pathogenic
SCN1A	2	166911268	A	C	161	F	C	0.989	Likely Pathogenic
SCN1A	2	166911268	A	G	161	F	S	0.994	Likely Pathogenic
SCN1A	2	166911268	A	T	161	F	Y	0.990	Likely Pathogenic
SCN1A	2	166911267	G	C	161	F	L	0.970	Likely Pathogenic
SCN1A	2	166911267	G	T	161	F	L	0.971	Likely Pathogenic
SCN1A	2	166911266	T	A	162	T	S	0.985	Likely Pathogenic
SCN1A	2	166911266	T	C	162	T	A	0.980	Likely Pathogenic
SCN1A	2	166911266	T	G	162	T	P	0.995	Likely Pathogenic
SCN1A	2	166911265	G	A	162	T	I	0.980	Likely Pathogenic
SCN1A	2	166911265	G	C	162	T	R	0.992	Likely Pathogenic
SCN1A	2	166911265	G	T	162	T	K	0.994	Likely Pathogenic
SCN1A	2	166911263	C	G	163	G	R	0.992	Likely Pathogenic
SCN1A	2	166911263	C	T	163	G	R	0.992	Likely Pathogenic
SCN1A	2	166911262	C	A	163	G	V	0.929	Likely Pathogenic
SCN1A	2	166911262	C	G	163	G	A	0.843	Likely Pathogenic
SCN1A	2	166911262	C	T	163	G	E	0.992	Likely Pathogenic
SCN1A	2	166911260	T	A	164	I	L	0.971	Likely Pathogenic
SCN1A	2	166911260	T	C	164	I	V	0.911	Likely Pathogenic
SCN1A	2	166911260	T	G	164	I	L	0.970	Likely Pathogenic
SCN1A	2	166911259	A	C	164	I	R	0.996	Likely Pathogenic
SCN1A	2	166911259	A	G	164	I	T	0.994	Likely Pathogenic
SCN1A	2	166911259	A	T	164	I	K	0.996	Likely Pathogenic
SCN1A	2	166911258	T	C	164	I	M	0.990	Likely Pathogenic
SCN1A	2	166911257	A	C	165	Y	D	0.991	Likely Pathogenic
SCN1A	2	166911257	A	G	165	Y	H	0.990	Likely Pathogenic
SCN1A	2	166911257	A	T	165	Y	N	0.990	Likely Pathogenic
SCN1A	2	166911256	T	A	165	Y	F	0.328	Likely Benign
SCN1A	2	166911256	T	C	165	Y	C	0.991	Likely Pathogenic
SCN1A	2	166911256	T	G	165	Y	S	0.990	Likely Pathogenic
SCN1A	2	166911254	T	A	166	T	S	0.979	Likely Pathogenic
SCN1A	2	166911254	T	C	166	T	A	0.966	Likely Pathogenic
SCN1A	2	166911254	T	G	166	T	P	0.995	Likely Pathogenic
SCN1A	2	166911253	G	A	166	T	I	0.983	Likely Pathogenic
SCN1A	2	166911253	G	C	166	T	S	0.981	Likely Pathogenic
SCN1A	2	166911253	G	T	166	T	N	0.994	Likely Pathogenic
SCN1A	2	166911251	A	C	167	F	V	0.952	Likely Pathogenic
SCN1A	2	166911251	A	G	167	F	L	0.853	Likely Pathogenic
SCN1A	2	166911251	A	T	167	F	I	0.952	Likely Pathogenic
SCN1A	2	166911250	A	C	167	F	C	0.972	Likely Pathogenic
SCN1A	2	166911250	A	G	167	F	S	0.981	Likely Pathogenic
SCN1A	2	166911250	A	T	167	F	Y	0.988	Likely Pathogenic
SCN1A	2	166911249	A	C	167	F	L	0.799	Likely Pathogenic
SCN1A	2	166911249	A	T	167	F	L	0.800	Likely Pathogenic
SCN1A	2	166911248	C	G	168	E	Q	0.996	Likely Pathogenic
SCN1A	2	166911248	C	T	168	E	K	0.996	Likely Pathogenic
SCN1A	2	166911247	T	A	168	E	V	0.996	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166164396	A	T	142	N	I	0.969	Likely Pathogenic
SCN2A	2	166164397	C	A	142	N	K	0.891	Likely Pathogenic
SCN2A	2	166164397	C	G	142	N	K	0.884	Likely Pathogenic
SCN2A	2	166164398	T	A	143	C	S	0.943	Likely Pathogenic
SCN2A	2	166164398	T	C	143	C	R	0.975	Likely Pathogenic
SCN2A	2	166164398	T	G	143	C	G	0.97	Likely Pathogenic
SCN2A	2	166164399	G	A	143	C	Y	0.977	Likely Pathogenic
SCN2A	2	166164399	G	C	143	C	S	0.925	Likely Pathogenic
SCN2A	2	166164399	G	T	143	C	F	0.949	Likely Pathogenic
SCN2A	2	166164400	T	G	143	C	W	0.971	Likely Pathogenic
SCN2A	2	166164401	G	A	144	V	I	0.196	Likely Benign
SCN2A	2	166164401	G	C	144	V	L	0.568	Likely Benign
SCN2A	2	166164401	G	T	144	V	L	0.566	Likely Benign
SCN2A	2	166164402	T	A	144	V	E	0.915	Likely Pathogenic
SCN2A	2	166164402	T	C	144	V	A	0.321	Likely Benign
SCN2A	2	166164402	T	G	144	V	G	0.753	Likely Benign
SCN2A	2	166164404	T	A	145	F	I	0.937	Likely Pathogenic
SCN2A	2	166164404	T	C	145	F	L	0.583	Likely Benign
SCN2A	2	166164404	T	G	145	F	V	0.919	Likely Pathogenic
SCN2A	2	166164405	T	A	145	F	Y	0.95	Likely Pathogenic
SCN2A	2	166164405	T	C	145	F	S	0.97	Likely Pathogenic
SCN2A	2	166164405	T	G	145	F	C	0.9	Likely Pathogenic
SCN2A	2	166164406	T	A	145	F	L	0.665	Likely Benign
SCN2A	2	166164406	T	G	145	F	L	0.664	Likely Benign
SCN2A	2	166164407	A	C	146	M	L	0.549	Likely Benign
SCN2A	2	166164407	A	G	146	M	V	0.952	Likely Pathogenic
SCN2A	2	166164407	A	T	146	M	L	0.549	Likely Benign
SCN2A	2	166164408	T	A	146	M	K	0.972	Likely Pathogenic
SCN2A	2	166164408	T	C	146	M	T	0.958	Likely Pathogenic
SCN2A	2	166164408	T	G	146	M	R	0.971	Likely Pathogenic
SCN2A	2	166164409	G	A	146	M	I	0.937	Likely Pathogenic
SCN2A	2	166164409	G	C	146	M	I	0.942	Likely Pathogenic
SCN2A	2	166164409	G	T	146	M	I	0.942	Likely Pathogenic
SCN2A	2	166164410	A	C	147	T	P	0.959	Likely Pathogenic
SCN2A	2	166164410	A	G	147	T	A	0.39	Likely Benign
SCN2A	2	166164410	A	T	147	T	S	0.488	Likely Benign
SCN2A	2	166164411	C	A	147	T	N	0.96	Likely Pathogenic
SCN2A	2	166164411	C	G	147	T	S	0.647	Likely Benign
SCN2A	2	166164411	C	T	147	T	I	0.576	Likely Benign
SCN2A	2	166164413	A	C	148	M	L	0.122	Likely Benign
SCN2A	2	166164413	A	G	148	M	V	0.423	Likely Benign
SCN2A	2	166164413	A	T	148	M	L	0.123	Likely Benign
SCN2A	2	166164414	T	A	148	M	K	0.696	Likely Benign
SCN2A	2	166164414	T	C	148	M	T	0.619	Likely Benign
SCN2A	2	166164414	T	G	148	M	R	0.41	Likely Benign
SCN2A	2	166164415	G	A	148	M	I	0.333	Likely Benign
SCN2A	2	166164415	G	C	148	M	I	0.332	Likely Benign
SCN2A	2	166164415	G	T	148	M	I	0.333	Likely Benign
SCN2A	2	166164416	A	C	149	S	R	0.916	Likely Pathogenic
SCN2A	2	166164416	A	G	149	S	G	0.63	Likely Benign
SCN2A	2	166164416	A	T	149	S	C	0.949	Likely Pathogenic
SCN2A	2	166164417	G	A	149	S	N	0.525	Likely Benign
SCN2A	2	166164417	G	C	149	S	T	0.324	Likely Benign
SCN2A	2	166164417	G	T	149	S	I	0.784	Likely Pathogenic
SCN2A	2	166164418	T	A	149	S	R	0.877	Likely Pathogenic
SCN2A	2	166164418	T	G	149	S	R	0.881	Likely Pathogenic
SCN2A	2	166164419	A	C	150	N	H	0.828	Likely Pathogenic
SCN2A	2	166164419	A	G	150	N	D	0.26	Likely Benign
SCN2A	2	166164419	A	T	150	N	Y	0.948	Likely Pathogenic
SCN2A	2	166164420	A	C	150	N	T	0.357	Likely Benign
SCN2A	2	166164420	A	G	150	N	S	0.311	Likely Benign
SCN2A	2	166164420	A	T	150	N	I	0.814	Likely Pathogenic
SCN2A	2	166164421	C	A	150	N	K	0.409	Likely Benign
SCN2A	2	166164421	C	G	150	N	K	0.406	Likely Benign
SCN2A	2	166164422	C	A	151	P	T	0.457	Likely Benign
SCN2A	2	166164422	C	G	151	P	A	0.816	Likely Pathogenic
SCN2A	2	166164422	C	T	151	P	S	0.698	Likely Benign
SCN2A	2	166164423	C	A	151	P	H	0.898	Likely Pathogenic
SCN2A	2	166164423	C	G	151	P	R	0.959	Likely Pathogenic
SCN2A	2	166164423	C	T	151	P	L	0.495	Likely Benign
SCN2A	2	166164425	C	A	152	P	T	0.924	Likely Pathogenic
SCN2A	2	166164425	C	G	152	P	A	0.825	Likely Pathogenic
SCN2A	2	166164425	C	T	152	P	S	0.917	Likely Pathogenic
SCN2A	2	166164426	C	A	152	P	Q	0.904	Likely Pathogenic
SCN2A	2	166164426	C	G	152	P	R	0.891	Likely Pathogenic
SCN2A	2	166164426	C	T	152	P	L	0.876	Likely Pathogenic
SCN2A	2	166164428	G	A	153	D	N	0.274	Likely Benign
SCN2A	2	166164428	G	C	153	D	H	0.386	Likely Benign
SCN2A	2	166164428	G	T	153	D	Y	0.399	Likely Benign
SCN2A	2	166164429	A	C	153	D	A	0.225	Likely Benign
SCN2A	2	166164429	A	G	153	D	G	0.351	Likely Benign
SCN2A	2	166164429	A	T	153	D	V	0.516	Likely Benign
SCN2A	2	166164430	C	A	153	D	E	0.091	Likely Benign
SCN2A	2	166164430	C	G	153	D	E	0.09	Likely Benign
SCN2A	2	166164431	T	A	154	W	R	0.959	Likely Pathogenic
SCN2A	2	166164431	T	C	154	W	R	0.96	Likely Pathogenic
SCN2A	2	166164431	T	G	154	W	G	0.966	Likely Pathogenic
SCN2A	2	166164432	G	C	154	W	S	0.641	Likely Benign
SCN2A	2	166164432	G	T	154	W	L	0.967	Likely Pathogenic
SCN2A	2	166164433	G	C	154	W	C	0.976	Likely Pathogenic
SCN2A	2	166164433	G	T	154	W	C	0.976	Likely Pathogenic
SCN2A	2	166164434	A	C	155	T	P	0.641	Likely Benign
SCN2A	2	166164434	A	G	155	T	A	0.27	Likely Benign
SCN2A	2	166164434	A	T	155	T	S	0.198	Likely Benign
SCN2A	2	166164435	C	A	155	T	K	0.695	Likely Benign
SCN2A	2	166164435	C	G	155	T	R	0.532	Likely Benign
SCN2A	2	166164435	C	T	155	T	I	0.358	Likely Benign
SCN2A	2	166164437	A	C	156	K	Q	0.931	Likely Pathogenic
SCN2A	2	166164437	A	G	156	K	E	0.524	Likely Benign
SCN2A	2	166164438	A	C	156	K	T	0.895	Likely Pathogenic
SCN2A	2	166164438	A	G	156	K	R	0.888	Likely Pathogenic
SCN2A	2	166164438	A	T	156	K	M	0.963	Likely Pathogenic
SCN2A	2	166164439	G	C	156	K	N	0.614	Likely Benign
SCN2A	2	166164439	G	T	156	K	N	0.614	Likely Benign
SCN2A	2	166164440	A	C	157	N	H	0.492	Likely Benign
SCN2A	2	166164440	A	G	157	N	D	0.46	Likely Benign
SCN2A	2	166164440	A	T	157	N	Y	0.462	Likely Benign
SCN2A	2	166164441	A	C	157	N	T	0.293	Likely Benign
SCN2A	2	166164441	A	G	157	N	S	0.242	Likely Benign
SCN2A	2	166164441	A	T	157	N	I	0.454	Likely Benign
SCN2A	2	166164442	T	A	157	N	K	0.334	Likely Benign
SCN2A	2	166164442	T	G	157	N	K	0.326	Likely Benign
SCN2A	2	166164443	G	A	158	V	M	0.836	Likely Pathogenic
SCN2A	2	166164443	G	C	158	V	L	0.451	Likely Benign
SCN2A	2	166164443	G	T	158	V	L	0.47	Likely Benign
SCN2A	2	166164444	T	A	158	V	E	0.98	Likely Pathogenic
SCN2A	2	166164444	T	C	158	V	A	0.807	Likely Pathogenic
SCN2A	2	166164444	T	G	158	V	G	0.974	Likely Pathogenic
SCN2A	2	166164446	G	A	159	E	K	0.963	Likely Pathogenic
SCN2A	2	166164446	G	C	159	E	Q	0.976	Likely Pathogenic
SCN2A	2	166165176	G	C	159	E	D	0.552	Likely Benign
SCN2A	2	166165176	G	T	159	E	D	0.567	Likely Benign
SCN2A	2	166165177	T	A	160	Y	N	0.97	Likely Pathogenic
SCN2A	2	166165177	T	C	160	Y	H	0.942	Likely Pathogenic
SCN2A	2	166165177	T	G	160	Y	D	0.991	Likely Pathogenic
SCN2A	2	166165178	A	C	160	Y	S	0.973	Likely Pathogenic
SCN2A	2	166165178	A	G	160	Y	C	0.98	Likely Pathogenic
SCN2A	2	166165178	A	T	160	Y	F	0.719	Likely Benign
SCN2A	2	166165180	A	C	161	T	P	0.944	Likely Pathogenic
SCN2A	2	166165180	A	G	161	T	A	0.678	Likely Benign
SCN2A	2	166165180	A	T	161	T	S	0.864	Likely Pathogenic
SCN2A	2	166165181	C	A	161	T	N	0.974	Likely Pathogenic
SCN2A	2	166165181	C	G	161	T	S	0.907	Likely Pathogenic
SCN2A	2	166165181	C	T	161	T	I	0.508	Likely Benign
SCN2A	2	166165183	T	A	162	F	I	0.967	Likely Pathogenic
SCN2A	2	166165183	T	C	162	F	L	0.944	Likely Pathogenic
SCN2A	2	166165183	T	G	162	F	V	0.972	Likely Pathogenic
SCN2A	2	166165184	T	A	162	F	Y	0.98	Likely Pathogenic
SCN2A	2	166165184	T	C	162	F	S	0.991	Likely Pathogenic
SCN2A	2	166165184	T	G	162	F	C	0.979	Likely Pathogenic
SCN2A	2	166165185	T	A	162	F	L	0.925	Likely Pathogenic
SCN2A	2	166165185	T	G	162	F	L	0.924	Likely Pathogenic
SCN2A	2	166165186	A	C	163	T	P	0.991	Likely Pathogenic
SCN2A	2	166165186	A	G	163	T	A	0.931	Likely Pathogenic
SCN2A	2	166165186	A	T	163	T	S	0.955	Likely Pathogenic
SCN2A	2	166165187	C	A	163	T	K	0.99	Likely Pathogenic
SCN2A	2	166165187	C	G	163	T	R	0.987	Likely Pathogenic
SCN2A	2	166165187	C	T	163	T	I	0.959	Likely Pathogenic
SCN2A	2	166165189	G	A	164	G	R	0.988	Likely Pathogenic
SCN2A	2	166165189	G	C	164	G	R	0.988	Likely Pathogenic
SCN2A	2	166165190	G	A	164	G	E	0.983	Likely Pathogenic
SCN2A	2	166165190	G	C	164	G	A	0.498	Likely Benign
SCN2A	2	166165190	G	T	164	G	V	0.473	Likely Benign
SCN2A	2	166165192	A	C	165	I	L	0.882	Likely Pathogenic
SCN2A	2	166165192	A	G	165	I	V	0.606	Likely Benign
SCN2A	2	166165192	A	T	165	I	F	0.953	Likely Pathogenic
SCN2A	2	166165193	T	A	165	I	N	0.993	Likely Pathogenic
SCN2A	2	166165193	T	C	165	I	T	0.986	Likely Pathogenic
SCN2A	2	166165193	T	G	165	I	S	0.993	Likely Pathogenic
SCN2A	2	166165194	T	G	165	I	M	0.965	Likely Pathogenic
SCN2A	2	166165195	T	A	166	Y	N	0.985	Likely Pathogenic
SCN2A	2	166165195	T	C	166	Y	H	0.977	Likely Pathogenic
SCN2A	2	166165195	T	G	166	Y	D	0.986	Likely Pathogenic
SCN2A	2	166165196	A	C	166	Y	S	0.983	Likely Pathogenic
SCN2A	2	166165196	A	G	166	Y	C	0.983	Likely Pathogenic
SCN2A	2	166165196	A	T	166	Y	F	0.267	Likely Benign
SCN2A	2	166165198	A	C	167	T	P	0.993	Likely Pathogenic
SCN2A	2	166165198	A	G	167	T	A	0.765	Likely Benign
SCN2A	2	166165198	A	T	167	T	S	0.934	Likely Pathogenic
SCN2A	2	166165199	C	A	167	T	N	0.991	Likely Pathogenic
SCN2A	2	166165199	C	G	167	T	S	0.963	Likely Pathogenic
SCN2A	2	166165199	C	T	167	T	I	0.956	Likely Pathogenic
SCN2A	2	166165201	T	A	168	F	I	0.901	Likely Pathogenic
SCN2A	2	166165201	T	C	168	F	L	0.65	Likely Benign
SCN2A	2	166165201	T	G	168	F	V	0.905	Likely Pathogenic
SCN2A	2	166165202	T	A	168	F	Y	0.982	Likely Pathogenic
SCN2A	2	166165202	T	C	168	F	S	0.972	Likely Pathogenic
SCN2A	2	166165202	T	G	168	F	C	0.959	Likely Pathogenic
SCN2A	2	166165203	T	A	168	F	L	0.552	Likely Benign
SCN2A	2	166165203	T	G	168	F	L	0.552	Likely Benign
SCN2A	2	166165204	G	A	169	E	K	0.992	Likely Pathogenic
SCN2A	2	166165204	G	C	169	E	Q	0.992	Likely Pathogenic
SCN2A	2	166165205	A	C	169	E	A	0.991	Likely Pathogenic
SCN2A	2	166165205	A	G	169	E	G	0.99	Likely Pathogenic
SCN2A	2	166165205	A	T	169	E	V	0.994	Likely Pathogenic
SCN2A	2	166165206	A	C	169	E	D	0.984	Likely Pathogenic
SCN2A	2	166165206	A	T	169	E	D	0.983	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_N T	Amino Acid	AA_R EF	AA_AL T	SCN Index	SCN Index Prediction
SCN8A	12	52080178	C	A	141	T	N	0.980	Likely Pathogenic
SCN8A	12	52080178	C	G	141	T	S	0.939	Likely Pathogenic
SCN8A	12	52080178	C	T	141	T	I	0.965	Likely Pathogenic
SCN8A	12	52080180	A	C	142	I	L	0.948	Likely Pathogenic
SCN8A	12	52080180	A	G	142	I	V	0.821	Likely Pathogenic
SCN8A	12	52080180	A	T	142	I	F	0.984	Likely Pathogenic
SCN8A	12	52080181	T	A	142	I	N	0.988	Likely Pathogenic
SCN8A	12	52080181	T	C	142	I	T	0.987	Likely Pathogenic
SCN8A	12	52080181	T	G	142	I	S	0.987	Likely Pathogenic
SCN8A	12	52080182	T	G	142	I	M	0.973	Likely Pathogenic
SCN8A	12	52080183	T	A	143	L	M	0.958	Likely Pathogenic
SCN8A	12	52080183	T	G	143	L	V	0.936	Likely Pathogenic
SCN8A	12	52080184	T	C	143	L	S	0.985	Likely Pathogenic
SCN8A	12	52080184	T	G	143	L	W	0.987	Likely Pathogenic
SCN8A	12	52080185	G	C	143	L	F	0.913	Likely Pathogenic
SCN8A	12	52080185	G	T	143	L	F	0.916	Likely Pathogenic
SCN8A	12	52080186	A	C	144	T	P	0.958	Likely Pathogenic
SCN8A	12	52080186	A	G	144	T	A	0.663	Likely Benign
SCN8A	12	52080186	A	T	144	T	S	0.917	Likely Pathogenic
SCN8A	12	52080187	C	A	144	T	N	0.954	Likely Pathogenic
SCN8A	12	52080187	C	G	144	T	S	0.908	Likely Pathogenic
SCN8A	12	52080187	C	T	144	T	I	0.767	Likely Benign
SCN8A	12	52080189	A	C	145	N	H	0.980	Likely Pathogenic
SCN8A	12	52080189	A	G	145	N	D	0.967	Likely Pathogenic
SCN8A	12	52080189	A	T	145	N	Y	0.985	Likely Pathogenic
SCN8A	12	52080190	A	C	145	N	T	0.979	Likely Pathogenic
SCN8A	12	52080190	A	G	145	N	S	0.980	Likely Pathogenic
SCN8A	12	52080190	A	T	145	N	I	0.981	Likely Pathogenic
SCN8A	12	52080191	C	A	145	N	K	0.981	Likely Pathogenic
SCN8A	12	52080191	C	G	145	N	K	0.981	Likely Pathogenic
SCN8A	12	52080192	T	A	146	C	S	0.969	Likely Pathogenic
SCN8A	12	52080192	T	C	146	C	R	0.984	Likely Pathogenic
SCN8A	12	52080192	T	G	146	C	G	0.984	Likely Pathogenic
SCN8A	12	52080193	G	A	146	C	Y	0.975	Likely Pathogenic
SCN8A	12	52080193	G	C	146	C	S	0.946	Likely Pathogenic
SCN8A	12	52080193	G	T	146	C	F	0.934	Likely Pathogenic
SCN8A	12	52080194	T	G	146	C	W	0.977	Likely Pathogenic
SCN8A	12	52080195	G	A	147	V	I	0.193	Likely Benign
SCN8A	12	52080195	G	C	147	V	L	0.754	Likely Benign
SCN8A	12	52080195	G	T	147	V	L	0.762	Likely Benign
SCN8A	12	52080196	T	A	147	V	E	0.965	Likely Pathogenic
SCN8A	12	52080196	T	C	147	V	A	0.400	Likely Benign
SCN8A	12	52080196	T	G	147	V	G	0.834	Likely Pathogenic
SCN8A	12	52080198	T	A	148	F	I	0.948	Likely Pathogenic
SCN8A	12	52080198	T	C	148	F	L	0.675	Likely Benign
SCN8A	12	52080198	T	G	148	F	V	0.935	Likely Pathogenic
SCN8A	12	52080199	T	A	148	F	Y	0.951	Likely Pathogenic
SCN8A	12	52080199	T	C	148	F	S	0.976	Likely Pathogenic
SCN8A	12	52080199	T	G	148	F	C	0.890	Likely Pathogenic
SCN8A	12	52080200	C	A	148	F	L	0.690	Likely Benign
SCN8A	12	52080200	C	G	148	F	L	0.698	Likely Benign
SCN8A	12	52080201	A	C	149	M	L	0.826	Likely Pathogenic
SCN8A	12	52080201	A	G	149	M	V	0.974	Likely Pathogenic
SCN8A	12	52080201	A	T	149	M	L	0.827	Likely Pathogenic
SCN8A	12	52080202	T	A	149	M	K	0.981	Likely Pathogenic
SCN8A	12	52080202	T	C	149	M	T	0.977	Likely Pathogenic
SCN8A	12	52080202	T	G	149	M	R	0.985	Likely Pathogenic
SCN8A	12	52080203	G	A	149	M	I	0.941	Likely Pathogenic
SCN8A	12	52080203	G	C	149	M	I	0.942	Likely Pathogenic
SCN8A	12	52080203	G	T	149	M	I	0.940	Likely Pathogenic
SCN8A	12	52080204	A	C	150	T	P	0.952	Likely Pathogenic
SCN8A	12	52080204	A	G	150	T	A	0.700	Likely Benign
SCN8A	12	52080204	A	T	150	T	S	0.843	Likely Pathogenic
SCN8A	12	52080205	C	A	150	T	N	0.960	Likely Pathogenic
SCN8A	12	52080205	C	G	150	T	S	0.808	Likely Pathogenic
SCN8A	12	52080205	C	T	150	T	I	0.674	Likely Benign
SCN8A	12	52080207	T	A	151	F	I	0.390	Likely Benign
SCN8A	12	52080207	T	C	151	F	L	0.163	Likely Benign
SCN8A	12	52080207	T	G	151	F	V	0.610	Likely Benign
SCN8A	12	52080208	T	A	151	F	Y	0.450	Likely Benign
SCN8A	12	52080208	T	C	151	F	S	0.691	Likely Benign
SCN8A	12	52080208	T	G	151	F	C	0.784	Likely Pathogenic
SCN8A	12	52080209	T	A	151	F	L	0.152	Likely Benign
SCN8A	12	52080209	T	G	151	F	L	0.152	Likely Benign
SCN8A	12	52080210	A	C	152	S	R	0.952	Likely Pathogenic
SCN8A	12	52080210	A	G	152	S	G	0.901	Likely Pathogenic
SCN8A	12	52080210	A	T	152	S	C	0.978	Likely Pathogenic
SCN8A	12	52080211	G	A	152	S	N	0.854	Likely Pathogenic
SCN8A	12	52080211	G	C	152	S	T	0.659	Likely Benign
SCN8A	12	52080211	G	T	152	S	I	0.921	Likely Pathogenic
SCN8A	12	52080212	T	A	152	S	R	0.902	Likely Pathogenic
SCN8A	12	52080212	T	G	152	S	R	0.901	Likely Pathogenic
SCN8A	12	52080213	A	C	153	N	H	0.740	Likely Benign
SCN8A	12	52080213	A	G	153	N	D	0.206	Likely Benign
SCN8A	12	52080213	A	T	153	N	Y	0.865	Likely Pathogenic
SCN8A	12	52080214	A	C	153	N	T	0.286	Likely Benign
SCN8A	12	52080214	A	G	153	N	S	0.287	Likely Benign
SCN8A	12	52080214	A	T	153	N	I	0.744	Likely Benign
SCN8A	12	52080215	C	A	153	N	K	0.355	Likely Benign
SCN8A	12	52080215	C	G	153	N	K	0.347	Likely Benign
SCN8A	12	52080216	C	A	154	P	T	0.634	Likely Benign
SCN8A	12	52080216	C	G	154	P	A	0.944	Likely Pathogenic
SCN8A	12	52080216	C	T	154	P	S	0.886	Likely Pathogenic
SCN8A	12	52080217	C	A	154	P	H	0.956	Likely Pathogenic
SCN8A	12	52080217	C	G	154	P	R	0.957	Likely Pathogenic
SCN8A	12	52080217	C	T	154	P	L	0.581	Likely Benign
SCN8A	12	52080219	C	A	155	P	T	0.916	Likely Pathogenic
SCN8A	12	52080219	C	G	155	P	A	0.835	Likely Pathogenic
SCN8A	12	52080219	C	T	155	P	S	0.916	Likely Pathogenic
SCN8A	12	52080220	C	A	155	P	H	0.973	Likely Pathogenic
SCN8A	12	52080220	C	G	155	P	R	0.963	Likely Pathogenic
SCN8A	12	52080220	C	T	155	P	L	0.946	Likely Pathogenic
SCN8A	12	52080222	G	A	156	D	N	0.244	Likely Benign
SCN8A	12	52080222	G	C	156	D	H	0.347	Likely Benign
SCN8A	12	52080222	G	T	156	D	Y	0.506	Likely Benign
SCN8A	12	52080223	A	C	156	D	A	0.236	Likely Benign
SCN8A	12	52080223	A	G	156	D	G	0.338	Likely Benign
SCN8A	12	52080223	A	T	156	D	V	0.324	Likely Benign
SCN8A	12	52080224	C	A	156	D	E	0.216	Likely Benign
SCN8A	12	52080224	C	G	156	D	E	0.216	Likely Benign
SCN8A	12	52080225	T	A	157	W	R	0.941	Likely Pathogenic
SCN8A	12	52080225	T	C	157	W	R	0.943	Likely Pathogenic
SCN8A	12	52080225	T	G	157	W	G	0.959	Likely Pathogenic
SCN8A	12	52080226	G	C	157	W	S	0.879	Likely Pathogenic
SCN8A	12	52080226	G	T	157	W	L	0.973	Likely Pathogenic
SCN8A	12	52080227	G	C	157	W	C	0.960	Likely Pathogenic
SCN8A	12	52080227	G	T	157	W	C	0.964	Likely Pathogenic
SCN8A	12	52080228	T	A	158	S	T	0.134	Likely Benign
SCN8A	12	52080228	T	C	158	S	P	0.737	Likely Benign
SCN8A	12	52080228	T	G	158	S	A	0.222	Likely Benign
SCN8A	12	52080229	C	G	158	S	W	0.648	Likely Benign
SCN8A	12	52080229	C	T	158	S	L	0.525	Likely Benign
SCN8A	12	52080231	A	C	159	K	Q	0.932	Likely Pathogenic
SCN8A	12	52080231	A	G	159	K	E	0.781	Likely Benign
SCN8A	12	52080232	A	C	159	K	T	0.960	Likely Pathogenic
SCN8A	12	52080232	A	G	159	K	R	0.955	Likely Pathogenic
SCN8A	12	52080232	A	T	159	K	M	0.976	Likely Pathogenic
SCN8A	12	52080233	G	C	159	K	N	0.848	Likely Pathogenic
SCN8A	12	52080233	G	T	159	K	N	0.847	Likely Pathogenic
SCN8A	12	52080234	A	C	160	N	H	0.335	Likely Benign
SCN8A	12	52080234	A	G	160	N	D	0.267	Likely Benign
SCN8A	12	52080234	A	T	160	N	Y	0.170	Likely Benign
SCN8A	12	52080235	A	C	160	N	T	0.223	Likely Benign
SCN8A	12	52080235	A	G	160	N	S	0.251	Likely Benign
SCN8A	12	52080235	A	T	160	N	I	0.183	Likely Benign
SCN8A	12	52080236	T	A	160	N	K	0.251	Likely Benign
SCN8A	12	52080236	T	G	160	N	K	0.251	Likely Benign
SCN8A	12	52080237	G	A	161	V	M	0.949	Likely Pathogenic
SCN8A	12	52080237	G	C	161	V	L	0.594	Likely Benign
SCN8A	12	52080237	G	T	161	V	L	0.595	Likely Benign
SCN8A	12	52080238	T	A	161	V	E	0.990	Likely Pathogenic
SCN8A	12	52080238	T	C	161	V	A	0.958	Likely Pathogenic
SCN8A	12	52080238	T	G	161	V	G	0.985	Likely Pathogenic
SCN8A	12	52080240	G	A	162	E	K	0.984	Likely Pathogenic
SCN8A	12	52080240	G	C	162	E	Q	0.984	Likely Pathogenic
SCN8A	12	52080875	G	C	162	E	D	0.670	Likely Benign
SCN8A	12	52080875	G	T	162	E	D	0.659	Likely Benign
SCN8A	12	52080876	T	A	163	Y	N	0.959	Likely Pathogenic
SCN8A	12	52080876	T	C	163	Y	H	0.965	Likely Pathogenic
SCN8A	12	52080876	T	G	163	Y	D	0.991	Likely Pathogenic
SCN8A	12	52080877	A	C	163	Y	S	0.974	Likely Pathogenic
SCN8A	12	52080877	A	G	163	Y	C	0.985	Likely Pathogenic
SCN8A	12	52080877	A	T	163	Y	F	0.837	Likely Pathogenic
SCN8A	12	52080879	A	C	164	T	P	0.961	Likely Pathogenic
SCN8A	12	52080879	A	G	164	T	A	0.743	Likely Benign
SCN8A	12	52080879	A	T	164	T	S	0.955	Likely Pathogenic
SCN8A	12	52080880	C	A	164	T	K	0.969	Likely Pathogenic
SCN8A	12	52080880	C	G	164	T	R	0.970	Likely Pathogenic
SCN8A	12	52080880	C	T	164	T	M	0.871	Likely Pathogenic
SCN8A	12	52080882	T	A	165	F	I	0.977	Likely Pathogenic
SCN8A	12	52080882	T	C	165	F	L	0.963	Likely Pathogenic
SCN8A	12	52080882	T	G	165	F	V	0.987	Likely Pathogenic
SCN8A	12	52080883	T	A	165	F	Y	0.990	Likely Pathogenic
SCN8A	12	52080883	T	C	165	F	S	0.994	Likely Pathogenic
SCN8A	12	52080883	T	G	165	F	C	0.982	Likely Pathogenic
SCN8A	12	52080884	C	A	165	F	L	0.970	Likely Pathogenic
SCN8A	12	52080884	C	G	165	F	L	0.970	Likely Pathogenic
SCN8A	12	52080885	A	C	166	T	P	0.993	Likely Pathogenic
SCN8A	12	52080885	A	G	166	T	A	0.974	Likely Pathogenic
SCN8A	12	52080885	A	T	166	T	S	0.980	Likely Pathogenic
SCN8A	12	52080886	C	A	166	T	K	0.993	Likely Pathogenic
SCN8A	12	52080886	C	G	166	T	R	0.991	Likely Pathogenic
SCN8A	12	52080886	C	T	166	T	I	0.967	Likely Pathogenic
SCN8A	12	52080888	G	A	167	G	R	0.992	Likely Pathogenic
SCN8A	12	52080888	G	C	167	G	R	0.992	Likely Pathogenic
SCN8A	12	52080888	G	T	167	G	W	0.975	Likely Pathogenic
SCN8A	12	52080889	G	A	167	G	E	0.991	Likely Pathogenic
SCN8A	12	52080889	G	C	167	G	A	0.566	Likely Benign
SCN8A	12	52080889	G	T	167	G	V	0.748	Likely Benign
SCN8A	12	52080891	A	C	168	I	L	0.952	Likely Pathogenic
SCN8A	12	52080891	A	G	168	I	V	0.860	Likely Pathogenic
SCN8A	12	52080891	A	T	168	I	F	0.972	Likely Pathogenic
SCN8A	12	52080892	T	A	168	I	N	0.995	Likely Pathogenic
SCN8A	12	52080892	T	C	168	I	T	0.992	Likely Pathogenic
SCN8A	12	52080892	T	G	168	I	S	0.995	Likely Pathogenic
SCN8A	12	52080893	T	G	168	I	M	0.989	Likely Pathogenic
SCN8A	12	52080894	T	A	169	Y	N	0.978	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN1A	2	166911247	T	C	168	E	G	0.993	Likely Pathogenic
SCN1A	2	166911247	T	G	168	E	A	0.995	Likely Pathogenic
SCN1A	2	166911246	T	A	168	E	D	0.989	Likely Pathogenic
SCN1A	2	166911246	T	G	168	E	D	0.989	Likely Pathogenic
SCN1A	2	166911245	A	C	169	S	A	0.308	Likely Benign
SCN1A	2	166911245	A	G	169	S	P	0.973	Likely Pathogenic
SCN1A	2	166911245	A	T	169	S	T	0.712	Likely Benign
SCN1A	2	166911244	G	A	169	S	L	0.849	Likely Pathogenic
SCN1A	2	166911242	G	A	170	L	F	0.952	Likely Pathogenic
SCN1A	2	166911242	G	C	170	L	V	0.815	Likely Pathogenic
SCN1A	2	166911242	G	T	170	L	I	0.908	Likely Pathogenic
SCN1A	2	166911241	A	C	170	L	R	0.992	Likely Pathogenic
SCN1A	2	166911241	A	G	170	L	P	0.992	Likely Pathogenic
SCN1A	2	166911241	A	T	170	L	H	0.992	Likely Pathogenic
SCN1A	2	166911239	T	A	171	I	L	0.472	Likely Benign
SCN1A	2	166911239	T	C	171	I	V	0.331	Likely Benign
SCN1A	2	166911239	T	G	171	I	L	0.475	Likely Benign
SCN1A	2	166911238	A	C	171	I	R	0.990	Likely Pathogenic
SCN1A	2	166911238	A	G	171	I	T	0.912	Likely Pathogenic
SCN1A	2	166911238	A	T	171	I	K	0.989	Likely Pathogenic
SCN1A	2	166911237	T	C	171	I	M	0.955	Likely Pathogenic
SCN1A	2	166911236	T	C	172	K	E	0.996	Likely Pathogenic
SCN1A	2	166911236	T	G	172	K	Q	0.992	Likely Pathogenic
SCN1A	2	166911235	T	A	172	K	I	0.997	Likely Pathogenic
SCN1A	2	166911235	T	C	172	K	R	0.984	Likely Pathogenic
SCN1A	2	166911235	T	G	172	K	T	0.996	Likely Pathogenic
SCN1A	2	166911234	T	A	172	K	N	0.996	Likely Pathogenic
SCN1A	2	166911234	T	G	172	K	N	0.996	Likely Pathogenic
SCN1A	2	166911233	T	A	173	I	F	0.984	Likely Pathogenic
SCN1A	2	166911233	T	C	173	I	V	0.657	Likely Benign
SCN1A	2	166911233	T	G	173	I	L	0.822	Likely Pathogenic
SCN1A	2	166911232	A	C	173	I	S	0.990	Likely Pathogenic
SCN1A	2	166911232	A	G	173	I	T	0.991	Likely Pathogenic
SCN1A	2	166911232	A	T	173	I	N	0.993	Likely Pathogenic
SCN1A	2	166911231	A	C	173	I	M	0.954	Likely Pathogenic
SCN1A	2	166911230	T	A	174	I	F	0.466	Likely Benign
SCN1A	2	166911230	T	C	174	I	V	0.302	Likely Benign
SCN1A	2	166911230	T	G	174	I	L	0.137	Likely Benign
SCN1A	2	166911229	A	C	174	I	S	0.965	Likely Pathogenic
SCN1A	2	166911229	A	G	174	I	T	0.805	Likely Pathogenic
SCN1A	2	166911229	A	T	174	I	N	0.983	Likely Pathogenic
SCN1A	2	166911228	A	C	174	I	M	0.768	Likely Benign
SCN1A	2	166911227	C	A	175	A	S	0.973	Likely Pathogenic
SCN1A	2	166911227	C	G	175	A	P	0.996	Likely Pathogenic
SCN1A	2	166911227	C	T	175	A	T	0.990	Likely Pathogenic
SCN1A	2	166911226	G	A	175	A	V	0.988	Likely Pathogenic
SCN1A	2	166911226	G	C	175	A	G	0.987	Likely Pathogenic
SCN1A	2	166911226	G	T	175	A	E	0.996	Likely Pathogenic
SCN1A	2	166911224	T	A	176	R	W	0.975	Likely Pathogenic
SCN1A	2	166911224	T	C	176	R	G	0.978	Likely Pathogenic
SCN1A	2	166911223	C	A	176	R	M	0.917	Likely Pathogenic
SCN1A	2	166911223	C	G	176	R	T	0.959	Likely Pathogenic
SCN1A	2	166911223	C	T	176	R	K	0.945	Likely Pathogenic
SCN1A	2	166911222	C	A	176	R	S	0.943	Likely Pathogenic
SCN1A	2	166911222	C	G	176	R	S	0.942	Likely Pathogenic
SCN1A	2	166911221	C	G	177	G	R	0.979	Likely Pathogenic
SCN1A	2	166911221	C	T	177	G	R	0.979	Likely Pathogenic
SCN1A	2	166911220	C	A	177	G	V	0.994	Likely Pathogenic
SCN1A	2	166911220	C	G	177	G	A	0.990	Likely Pathogenic
SCN1A	2	166911220	C	T	177	G	E	0.994	Likely Pathogenic
SCN1A	2	166911218	A	C	178	F	V	0.980	Likely Pathogenic
SCN1A	2	166911218	A	G	178	F	L	0.965	Likely Pathogenic
SCN1A	2	166911218	A	T	178	F	I	0.978	Likely Pathogenic
SCN1A	2	166911217	A	C	178	F	C	0.991	Likely Pathogenic
SCN1A	2	166911217	A	G	178	F	S	0.990	Likely Pathogenic
SCN1A	2	166911217	A	T	178	F	Y	0.987	Likely Pathogenic
SCN1A	2	166911216	G	C	178	F	L	0.962	Likely Pathogenic
SCN1A	2	166911216	G	T	178	F	L	0.961	Likely Pathogenic
SCN1A	2	166911215	A	C	179	C	G	0.978	Likely Pathogenic
SCN1A	2	166911215	A	G	179	C	R	0.938	Likely Pathogenic
SCN1A	2	166911215	A	T	179	C	S	0.966	Likely Pathogenic
SCN1A	2	166911214	C	A	179	C	F	0.911	Likely Pathogenic
SCN1A	2	166911214	C	G	179	C	S	0.966	Likely Pathogenic
SCN1A	2	166911214	C	T	179	C	Y	0.933	Likely Pathogenic
SCN1A	2	166911213	A	C	179	C	W	0.938	Likely Pathogenic
SCN1A	2	166911212	A	C	180	L	V	0.333	Likely Benign
SCN1A	2	166911212	A	T	180	L	I	0.257	Likely Benign
SCN1A	2	166911211	A	G	180	L	S	0.966	Likely Pathogenic
SCN1A	2	166911210	T	A	180	L	F	0.721	Likely Benign
SCN1A	2	166911210	T	G	180	L	F	0.719	Likely Benign
SCN1A	2	166911209	C	G	181	E	Q	0.453	Likely Benign
SCN1A	2	166911209	C	T	181	E	K	0.479	Likely Benign
SCN1A	2	166911208	T	A	181	E	V	0.898	Likely Pathogenic
SCN1A	2	166911208	T	C	181	E	G	0.061	Likely Benign
SCN1A	2	166911208	T	G	181	E	A	0.529	Likely Benign
SCN1A	2	166911207	T	A	181	E	D	0.108	Likely Benign
SCN1A	2	166911207	T	G	181	E	D	0.108	Likely Benign
SCN1A	2	166911206	C	A	182	D	Y	0.816	Likely Pathogenic
SCN1A	2	166911206	C	G	182	D	H	0.785	Likely Pathogenic
SCN1A	2	166911206	C	T	182	D	N	0.507	Likely Benign
SCN1A	2	166911205	T	A	182	D	V	0.892	Likely Pathogenic
SCN1A	2	166911205	T	C	182	D	G	0.639	Likely Benign
SCN1A	2	166911205	T	G	182	D	A	0.631	Likely Benign
SCN1A	2	166911204	A	C	182	D	E	0.288	Likely Benign
SCN1A	2	166911204	A	T	182	D	E	0.288	Likely Benign
SCN1A	2	166911203	A	C	183	F	V	0.988	Likely Pathogenic
SCN1A	2	166911203	A	G	183	F	L	0.975	Likely Pathogenic
SCN1A	2	166911203	A	T	183	F	I	0.980	Likely Pathogenic
SCN1A	2	166911202	A	C	183	F	C	0.989	Likely Pathogenic
SCN1A	2	166911202	A	G	183	F	S	0.978	Likely Pathogenic
SCN1A	2	166911202	A	T	183	F	Y	0.948	Likely Pathogenic
SCN1A	2	166911201	A	C	183	F	L	0.975	Likely Pathogenic
SCN1A	2	166911201	A	T	183	F	L	0.976	Likely Pathogenic
SCN1A	2	166911200	T	A	184	T	S	0.838	Likely Pathogenic
SCN1A	2	166911200	T	C	184	T	A	0.817	Likely Pathogenic
SCN1A	2	166911200	T	G	184	T	P	0.973	Likely Pathogenic
SCN1A	2	166911199	G	A	184	T	I	0.961	Likely Pathogenic
SCN1A	2	166911199	G	C	184	T	S	0.889	Likely Pathogenic
SCN1A	2	166911199	G	T	184	T	N	0.953	Likely Pathogenic
SCN1A	2	166911197	A	C	185	F	V	0.993	Likely Pathogenic
SCN1A	2	166911197	A	G	185	F	L	0.987	Likely Pathogenic
SCN1A	2	166911197	A	T	185	F	I	0.992	Likely Pathogenic
SCN1A	2	166911196	A	C	185	F	C	0.984	Likely Pathogenic
SCN1A	2	166911196	A	G	185	F	S	0.993	Likely Pathogenic
SCN1A	2	166911196	A	T	185	F	Y	0.251	Likely Benign
SCN1A	2	166911195	G	C	185	F	L	0.984	Likely Pathogenic
SCN1A	2	166911195	G	T	185	F	L	0.985	Likely Pathogenic
SCN1A	2	166911194	G	A	186	L	F	0.954	Likely Pathogenic
SCN1A	2	166911194	G	C	186	L	V	0.989	Likely Pathogenic
SCN1A	2	166911194	G	T	186	L	I	0.980	Likely Pathogenic
SCN1A	2	166911193	A	C	186	L	R	0.996	Likely Pathogenic
SCN1A	2	166911193	A	G	186	L	P	0.995	Likely Pathogenic
SCN1A	2	166911193	A	T	186	L	H	0.996	Likely Pathogenic
SCN1A	2	166911191	G	A	187	R	W	0.992	Likely Pathogenic
SCN1A	2	166911191	G	C	187	R	G	0.983	Likely Pathogenic
SCN1A	2	166911190	C	A	187	R	L	0.988	Likely Pathogenic
SCN1A	2	166911190	C	G	187	R	P	0.995	Likely Pathogenic
SCN1A	2	166911190	C	T	187	R	Q	0.981	Likely Pathogenic
SCN1A	2	166911188	C	A	188	D	Y	0.993	Likely Pathogenic
SCN1A	2	166911188	C	G	188	D	H	0.992	Likely Pathogenic
SCN1A	2	166911188	C	T	188	D	N	0.965	Likely Pathogenic
SCN1A	2	166911187	T	A	188	D	V	0.988	Likely Pathogenic
SCN1A	2	166911187	T	C	188	D	G	0.989	Likely Pathogenic
SCN1A	2	166911187	T	G	188	D	A	0.993	Likely Pathogenic
SCN1A	2	166911186	A	C	188	D	E	0.978	Likely Pathogenic
SCN1A	2	166911186	A	T	188	D	E	0.978	Likely Pathogenic
SCN1A	2	166911185	G	A	189	P	S	0.976	Likely Pathogenic
SCN1A	2	166911185	G	C	189	P	A	0.910	Likely Pathogenic
SCN1A	2	166911185	G	T	189	P	T	0.976	Likely Pathogenic
SCN1A	2	166911184	G	A	189	P	L	0.971	Likely Pathogenic
SCN1A	2	166911184	G	C	189	P	R	0.986	Likely Pathogenic
SCN1A	2	166911184	G	T	189	P	Q	0.994	Likely Pathogenic
SCN1A	2	166911182	A	C	190	W	G	0.995	Likely Pathogenic
SCN1A	2	166911182	A	G	190	W	R	0.997	Likely Pathogenic
SCN1A	2	166911182	A	T	190	W	R	0.997	Likely Pathogenic
SCN1A	2	166911181	C	A	190	W	L	0.994	Likely Pathogenic
SCN1A	2	166911181	C	G	190	W	S	0.996	Likely Pathogenic
SCN1A	2	166911180	C	A	190	W	C	0.997	Likely Pathogenic
SCN1A	2	166911180	C	G	190	W	C	0.997	Likely Pathogenic
SCN1A	2	166911179	T	A	191	N	Y	0.997	Likely Pathogenic
SCN1A	2	166911179	T	C	191	N	D	0.994	Likely Pathogenic
SCN1A	2	166911179	T	G	191	N	H	0.995	Likely Pathogenic
SCN1A	2	166911178	T	A	191	N	I	0.997	Likely Pathogenic
SCN1A	2	166911178	T	C	191	N	S	0.992	Likely Pathogenic
SCN1A	2	166911178	T	G	191	N	T	0.997	Likely Pathogenic
SCN1A	2	166911177	G	C	191	N	K	0.997	Likely Pathogenic
SCN1A	2	166911177	G	T	191	N	K	0.997	Likely Pathogenic
SCN1A	2	166911176	A	C	192	W	G	0.990	Likely Pathogenic
SCN1A	2	166911176	A	G	192	W	R	0.972	Likely Pathogenic
SCN1A	2	166911176	A	T	192	W	R	0.972	Likely Pathogenic
SCN1A	2	166911175	C	A	192	W	L	0.962	Likely Pathogenic
SCN1A	2	166911175	C	G	192	W	S	0.992	Likely Pathogenic
SCN1A	2	166911174	C	A	192	W	C	0.974	Likely Pathogenic
SCN1A	2	166911174	C	G	192	W	C	0.974	Likely Pathogenic
SCN1A	2	166911173	G	A	193	L	F	0.945	Likely Pathogenic
SCN1A	2	166911173	G	C	193	L	V	0.987	Likely Pathogenic
SCN1A	2	166911173	G	T	193	L	I	0.978	Likely Pathogenic
SCN1A	2	166911172	A	C	193	L	R	0.996	Likely Pathogenic
SCN1A	2	166911172	A	G	193	L	P	0.995	Likely Pathogenic
SCN1A	2	166911172	A	T	193	L	H	0.996	Likely Pathogenic
SCN1A	2	166911170	C	A	194	D	Y	0.997	Likely Pathogenic
SCN1A	2	166911170	C	G	194	D	H	0.997	Likely Pathogenic
SCN1A	2	166911170	C	T	194	D	N	0.994	Likely Pathogenic
SCN1A	2	166911169	T	A	194	D	V	0.997	Likely Pathogenic
SCN1A	2	166911169	T	C	194	D	G	0.997	Likely Pathogenic
SCN1A	2	166911169	T	G	194	D	A	0.997	Likely Pathogenic
SCN1A	2	166911168	A	C	194	D	E	0.996	Likely Pathogenic
SCN1A	2	166911168	A	T	194	D	E	0.996	Likely Pathogenic
SCN1A	2	166911167	A	C	195	F	V	0.984	Likely Pathogenic
SCN1A	2	166911167	A	G	195	F	L	0.978	Likely Pathogenic
SCN1A	2	166911167	A	T	195	F	I	0.983	Likely Pathogenic
SCN1A	2	166911166	A	C	195	F	C	0.991	Likely Pathogenic
SCN1A	2	166911166	A	G	195	F	S	0.987	Likely Pathogenic
SCN1A	2	166911166	A	T	195	F	Y	0.995	Likely Pathogenic
SCN1A	2	166911165	G	C	195	F	L	0.964	Likely Pathogenic
SCN1A	2	166911165	G	T	195	F	L	0.961	Likely Pathogenic
SCN1A	2	166911164	T	A	196	T	S	0.164	Likely Benign

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN2A	2	166165207	T	A	170	S	T	0.626	Likely Benign
SCN2A	2	166165207	T	C	170	S	P	0.963	Likely Pathogenic
SCN2A	2	166165207	T	G	170	S	A	0.233	Likely Benign
SCN2A	2	166165208	C	T	170	S	L	0.629	Likely Benign
SCN2A	2	166165210	C	A	171	L	I	0.48	Likely Benign
SCN2A	2	166165210	C	G	171	L	V	0.377	Likely Benign
SCN2A	2	166165210	C	T	171	L	F	0.553	Likely Benign
SCN2A	2	166165211	T	A	171	L	H	0.985	Likely Pathogenic
SCN2A	2	166165211	T	C	171	L	P	0.989	Likely Pathogenic
SCN2A	2	166165211	T	G	171	L	R	0.985	Likely Pathogenic
SCN2A	2	166165213	A	C	172	I	L	0.262	Likely Benign
SCN2A	2	166165213	A	G	172	I	V	0.216	Likely Benign
SCN2A	2	166165213	A	T	172	I	F	0.765	Likely Benign
SCN2A	2	166165214	T	A	172	I	N	0.963	Likely Pathogenic
SCN2A	2	166165214	T	C	172	I	T	0.605	Likely Benign
SCN2A	2	166165214	T	G	172	I	S	0.931	Likely Pathogenic
SCN2A	2	166165215	T	G	172	I	M	0.715	Likely Benign
SCN2A	2	166165216	A	C	173	K	Q	0.983	Likely Pathogenic
SCN2A	2	166165216	A	G	173	K	E	0.993	Likely Pathogenic
SCN2A	2	166165217	A	C	173	K	T	0.994	Likely Pathogenic
SCN2A	2	166165217	A	G	173	K	R	0.907	Likely Pathogenic
SCN2A	2	166165217	A	T	173	K	I	0.995	Likely Pathogenic
SCN2A	2	166165218	A	C	173	K	N	0.993	Likely Pathogenic
SCN2A	2	166165218	A	T	173	K	N	0.993	Likely Pathogenic
SCN2A	2	166165219	A	C	174	I	L	0.694	Likely Benign
SCN2A	2	166165219	A	G	174	I	V	0.432	Likely Benign
SCN2A	2	166165219	A	T	174	I	L	0.692	Likely Benign
SCN2A	2	166165220	T	A	174	I	K	0.991	Likely Pathogenic
SCN2A	2	166165220	T	C	174	I	T	0.979	Likely Pathogenic
SCN2A	2	166165220	T	G	174	I	R	0.991	Likely Pathogenic
SCN2A	2	166165221	A	G	174	I	M	0.923	Likely Pathogenic
SCN2A	2	166165222	C	A	175	L	I	0.285	Likely Benign
SCN2A	2	166165222	C	G	175	L	V	0.448	Likely Benign
SCN2A	2	166165222	C	T	175	L	F	0.448	Likely Benign
SCN2A	2	166165223	T	A	175	L	H	0.958	Likely Pathogenic
SCN2A	2	166165223	T	C	175	L	P	0.984	Likely Pathogenic
SCN2A	2	166165223	T	G	175	L	R	0.971	Likely Pathogenic
SCN2A	2	166165225	G	A	176	A	T	0.981	Likely Pathogenic
SCN2A	2	166165225	G	C	176	A	P	0.994	Likely Pathogenic
SCN2A	2	166165225	G	T	176	A	S	0.892	Likely Pathogenic
SCN2A	2	166165226	C	A	176	A	E	0.992	Likely Pathogenic
SCN2A	2	166165226	C	G	176	A	G	0.937	Likely Pathogenic
SCN2A	2	166165226	C	T	176	A	V	0.938	Likely Pathogenic
SCN2A	2	166165228	A	G	177	R	G	0.95	Likely Pathogenic
SCN2A	2	166165228	A	T	177	R	W	0.958	Likely Pathogenic
SCN2A	2	166165229	G	A	177	R	K	0.605	Likely Benign
SCN2A	2	166165229	G	C	177	R	T	0.82	Likely Pathogenic
SCN2A	2	166165229	G	T	177	R	M	0.619	Likely Benign
SCN2A	2	166165230	G	C	177	R	S	0.767	Likely Benign
SCN2A	2	166165230	G	T	177	R	S	0.767	Likely Benign
SCN2A	2	166165231	G	A	178	G	S	0.984	Likely Pathogenic
SCN2A	2	166165231	G	C	178	G	R	0.945	Likely Pathogenic
SCN2A	2	166165231	G	T	178	G	C	0.986	Likely Pathogenic
SCN2A	2	166165232	G	A	178	G	D	0.984	Likely Pathogenic
SCN2A	2	166165232	G	C	178	G	A	0.97	Likely Pathogenic
SCN2A	2	166165232	G	T	178	G	V	0.984	Likely Pathogenic
SCN2A	2	166165234	T	A	179	F	I	0.963	Likely Pathogenic
SCN2A	2	166165234	T	C	179	F	L	0.945	Likely Pathogenic
SCN2A	2	166165234	T	G	179	F	V	0.975	Likely Pathogenic
SCN2A	2	166165235	T	A	179	F	Y	0.982	Likely Pathogenic
SCN2A	2	166165235	T	C	179	F	S	0.985	Likely Pathogenic
SCN2A	2	166165235	T	G	179	F	C	0.985	Likely Pathogenic
SCN2A	2	166165236	T	A	179	F	L	0.919	Likely Pathogenic
SCN2A	2	166165236	T	G	179	F	L	0.919	Likely Pathogenic
SCN2A	2	166165237	T	A	180	C	S	0.872	Likely Pathogenic
SCN2A	2	166165237	T	C	180	C	R	0.898	Likely Pathogenic
SCN2A	2	166165237	T	G	180	C	G	0.968	Likely Pathogenic
SCN2A	2	166165238	G	A	180	C	Y	0.641	Likely Benign
SCN2A	2	166165238	G	C	180	C	S	0.739	Likely Benign
SCN2A	2	166165238	G	T	180	C	F	0.633	Likely Benign
SCN2A	2	166165239	T	G	180	C	W	0.912	Likely Pathogenic
SCN2A	2	166165240	T	A	181	L	I	0.179	Likely Benign
SCN2A	2	166165240	T	G	181	L	V	0.227	Likely Benign
SCN2A	2	166165241	T	C	181	L	S	0.895	Likely Pathogenic
SCN2A	2	166165242	A	C	181	L	F	0.426	Likely Benign
SCN2A	2	166165242	A	T	181	L	F	0.426	Likely Benign
SCN2A	2	166165243	G	A	182	E	K	0.175	Likely Benign
SCN2A	2	166165243	G	C	182	E	Q	0.169	Likely Benign
SCN2A	2	166165244	A	C	182	E	A	0.306	Likely Benign
SCN2A	2	166165244	A	G	182	E	G	0.068	Likely Benign
SCN2A	2	166165244	A	T	182	E	V	0.472	Likely Benign
SCN2A	2	166165245	A	C	182	E	D	0.097	Likely Benign
SCN2A	2	166165245	A	T	182	E	D	0.097	Likely Benign
SCN2A	2	166165246	G	A	183	D	N	0.334	Likely Benign
SCN2A	2	166165246	G	C	183	D	H	0.293	Likely Benign
SCN2A	2	166165246	G	T	183	D	Y	0.389	Likely Benign
SCN2A	2	166165247	A	C	183	D	A	0.331	Likely Benign
SCN2A	2	166165247	A	G	183	D	G	0.335	Likely Benign
SCN2A	2	166165247	A	T	183	D	V	0.476	Likely Benign
SCN2A	2	166165248	T	A	183	D	E	0.23	Likely Benign
SCN2A	2	166165248	T	G	183	D	E	0.23	Likely Benign
SCN2A	2	166165249	T	A	184	F	I	0.941	Likely Pathogenic
SCN2A	2	166165249	T	C	184	F	L	0.918	Likely Pathogenic
SCN2A	2	166165249	T	G	184	F	V	0.97	Likely Pathogenic
SCN2A	2	166165250	T	A	184	F	Y	0.765	Likely Benign
SCN2A	2	166165250	T	C	184	F	S	0.91	Likely Pathogenic
SCN2A	2	166165250	T	G	184	F	C	0.98	Likely Pathogenic
SCN2A	2	166165251	C	A	184	F	L	0.893	Likely Pathogenic
SCN2A	2	166165251	C	G	184	F	L	0.89	Likely Pathogenic
SCN2A	2	166165252	A	C	185	T	P	0.879	Likely Pathogenic
SCN2A	2	166165252	A	G	185	T	A	0.543	Likely Benign
SCN2A	2	166165252	A	T	185	T	S	0.517	Likely Benign
SCN2A	2	166165253	C	A	185	T	K	0.84	Likely Pathogenic
SCN2A	2	166165253	C	G	185	T	R	0.828	Likely Pathogenic
SCN2A	2	166165253	C	T	185	T	I	0.792	Likely Pathogenic
SCN2A	2	166165255	T	A	186	F	I	0.988	Likely Pathogenic
SCN2A	2	166165255	T	C	186	F	L	0.974	Likely Pathogenic
SCN2A	2	166165255	T	G	186	F	V	0.991	Likely Pathogenic
SCN2A	2	166165256	T	A	186	F	Y	0.273	Likely Benign
SCN2A	2	166165256	T	C	186	F	S	0.989	Likely Pathogenic
SCN2A	2	166165256	T	G	186	F	C	0.985	Likely Pathogenic
SCN2A	2	166165257	T	A	186	F	L	0.978	Likely Pathogenic
SCN2A	2	166165257	T	G	186	F	L	0.977	Likely Pathogenic
SCN2A	2	166165258	T	A	187	L	I	0.953	Likely Pathogenic
SCN2A	2	166165258	T	G	187	L	V	0.982	Likely Pathogenic
SCN2A	2	166165259	T	C	187	L	S	0.994	Likely Pathogenic
SCN2A	2	166165260	A	C	187	L	F	0.803	Likely Pathogenic
SCN2A	2	166165260	A	T	187	L	F	0.803	Likely Pathogenic
SCN2A	2	166165261	C	G	188	R	G	0.926	Likely Pathogenic
SCN2A	2	166165261	C	T	188	R	W	0.96	Likely Pathogenic
SCN2A	2	166165262	G	A	188	R	Q	0.907	Likely Pathogenic
SCN2A	2	166165262	G	C	188	R	P	0.992	Likely Pathogenic
SCN2A	2	166165262	G	T	188	R	L	0.972	Likely Pathogenic
SCN2A	2	166165264	G	A	189	D	N	0.767	Likely Benign
SCN2A	2	166165264	G	C	189	D	H	0.966	Likely Pathogenic
SCN2A	2	166165264	G	T	189	D	Y	0.981	Likely Pathogenic
SCN2A	2	166165265	A	C	189	D	A	0.989	Likely Pathogenic
SCN2A	2	166165265	A	G	189	D	G	0.984	Likely Pathogenic
SCN2A	2	166165265	A	T	189	D	V	0.987	Likely Pathogenic
SCN2A	2	166165266	T	A	189	D	E	0.958	Likely Pathogenic
SCN2A	2	166165266	T	G	189	D	E	0.958	Likely Pathogenic
SCN2A	2	166165267	C	A	190	P	T	0.945	Likely Pathogenic
SCN2A	2	166165267	C	G	190	P	A	0.653	Likely Benign
SCN2A	2	166165267	C	T	190	P	S	0.892	Likely Pathogenic
SCN2A	2	166165268	C	A	190	P	Q	0.989	Likely Pathogenic
SCN2A	2	166165268	C	G	190	P	R	0.968	Likely Pathogenic
SCN2A	2	166165268	C	T	190	P	L	0.89	Likely Pathogenic
SCN2A	2	166165270	T	A	191	W	R	0.996	Likely Pathogenic
SCN2A	2	166165270	T	C	191	W	R	0.996	Likely Pathogenic
SCN2A	2	166165270	T	G	191	W	G	0.994	Likely Pathogenic
SCN2A	2	166165271	G	C	191	W	S	0.994	Likely Pathogenic
SCN2A	2	166165271	G	T	191	W	L	0.992	Likely Pathogenic
SCN2A	2	166165272	G	C	191	W	C	0.995	Likely Pathogenic
SCN2A	2	166165272	G	T	191	W	C	0.995	Likely Pathogenic
SCN2A	2	166165273	A	C	192	N	H	0.991	Likely Pathogenic
SCN2A	2	166165273	A	G	192	N	D	0.986	Likely Pathogenic
SCN2A	2	166165273	A	T	192	N	Y	0.996	Likely Pathogenic
SCN2A	2	166165274	A	C	192	N	T	0.993	Likely Pathogenic
SCN2A	2	166165274	A	G	192	N	S	0.985	Likely Pathogenic
SCN2A	2	166165274	A	T	192	N	I	0.996	Likely Pathogenic
SCN2A	2	166165275	T	A	192	N	K	0.995	Likely Pathogenic
SCN2A	2	166165275	T	G	192	N	K	0.995	Likely Pathogenic
SCN2A	2	166165276	T	A	193	W	R	0.946	Likely Pathogenic
SCN2A	2	166165276	T	C	193	W	R	0.941	Likely Pathogenic
SCN2A	2	166165276	T	G	193	W	G	0.985	Likely Pathogenic
SCN2A	2	166165277	G	C	193	W	S	0.988	Likely Pathogenic
SCN2A	2	166165277	G	T	193	W	L	0.923	Likely Pathogenic
SCN2A	2	166165278	G	C	193	W	C	0.913	Likely Pathogenic
SCN2A	2	166165278	G	T	193	W	C	0.92	Likely Pathogenic
SCN2A	2	166165279	T	A	194	L	M	0.96	Likely Pathogenic
SCN2A	2	166165279	T	G	194	L	V	0.984	Likely Pathogenic
SCN2A	2	166165280	T	C	194	L	S	0.994	Likely Pathogenic
SCN2A	2	166165280	T	G	194	L	W	0.994	Likely Pathogenic
SCN2A	2	166165281	G	C	194	L	F	0.743	Likely Benign
SCN2A	2	166165281	G	T	194	L	F	0.745	Likely Benign
SCN2A	2	166165282	G	A	195	D	N	0.988	Likely Pathogenic
SCN2A	2	166165282	G	C	195	D	H	0.996	Likely Pathogenic
SCN2A	2	166165282	G	T	195	D	Y	0.995	Likely Pathogenic
SCN2A	2	166165283	A	C	195	D	A	0.997	Likely Pathogenic
SCN2A	2	166165283	A	G	195	D	G	0.997	Likely Pathogenic
SCN2A	2	166165283	A	T	195	D	V	0.997	Likely Pathogenic
SCN2A	2	166165284	T	A	195	D	E	0.994	Likely Pathogenic
SCN2A	2	166165284	T	G	195	D	E	0.994	Likely Pathogenic
SCN2A	2	166165285	T	A	196	F	I	0.981	Likely Pathogenic
SCN2A	2	166165285	T	C	196	F	L	0.974	Likely Pathogenic
SCN2A	2	166165285	T	G	196	F	V	0.98	Likely Pathogenic
SCN2A	2	166165286	T	A	196	F	Y	0.994	Likely Pathogenic
SCN2A	2	166165286	T	C	196	F	S	0.974	Likely Pathogenic
SCN2A	2	166165286	T	G	196	F	C	0.985	Likely Pathogenic
SCN2A	2	166165287	C	A	196	F	L	0.946	Likely Pathogenic
SCN2A	2	166165287	C	G	196	F	L	0.947	Likely Pathogenic
SCN2A	2	166165288	A	C	197	T	P	0.415	Likely Benign
SCN2A	2	166165288	A	G	197	T	A	0.278	Likely Benign
SCN2A	2	166165288	A	T	197	T	S	0.13	Likely Benign
SCN2A	2	166165289	C	A	197	T	K	0.503	Likely Benign
SCN2A	2	166165289	C	G	197	T	R	0.484	Likely Benign
SCN2A	2	166165289	C	T	197	T	I	0.143	Likely Benign

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN8A	12	52080894	T	C	169	Y	H	0.986	Likely Pathogenic
SCN8A	12	52080894	T	G	169	Y	D	0.988	Likely Pathogenic
SCN8A	12	52080895	A	C	169	Y	S	0.987	Likely Pathogenic
SCN8A	12	52080895	A	G	169	Y	C	0.989	Likely Pathogenic
SCN8A	12	52080895	A	T	169	Y	F	0.602	Likely Benign
SCN8A	12	52080897	A	C	170	T	P	0.994	Likely Pathogenic
SCN8A	12	52080897	A	G	170	T	A	0.969	Likely Pathogenic
SCN8A	12	52080897	A	T	170	T	S	0.967	Likely Pathogenic
SCN8A	12	52080898	C	A	170	T	K	0.995	Likely Pathogenic
SCN8A	12	52080898	C	G	170	T	R	0.995	Likely Pathogenic
SCN8A	12	52080898	C	T	170	T	I	0.977	Likely Pathogenic
SCN8A	12	52080900	T	A	171	F	I	0.952	Likely Pathogenic
SCN8A	12	52080900	T	C	171	F	L	0.799	Likely Pathogenic
SCN8A	12	52080900	T	G	171	F	V	0.948	Likely Pathogenic
SCN8A	12	52080901	T	A	171	F	Y	0.991	Likely Pathogenic
SCN8A	12	52080901	T	C	171	F	S	0.973	Likely Pathogenic
SCN8A	12	52080901	T	G	171	F	C	0.974	Likely Pathogenic
SCN8A	12	52080902	T	A	171	F	L	0.743	Likely Benign
SCN8A	12	52080902	T	G	171	F	L	0.725	Likely Benign
SCN8A	12	52080903	G	A	172	E	K	0.995	Likely Pathogenic
SCN8A	12	52080903	G	C	172	E	Q	0.995	Likely Pathogenic
SCN8A	12	52080904	A	C	172	E	A	0.994	Likely Pathogenic
SCN8A	12	52080904	A	G	172	E	G	0.995	Likely Pathogenic
SCN8A	12	52080904	A	T	172	E	V	0.996	Likely Pathogenic
SCN8A	12	52080905	A	C	172	E	D	0.987	Likely Pathogenic
SCN8A	12	52080905	A	T	172	E	D	0.986	Likely Pathogenic
SCN8A	12	52080906	T	A	173	S	T	0.869	Likely Pathogenic
SCN8A	12	52080906	T	C	173	S	P	0.973	Likely Pathogenic
SCN8A	12	52080906	T	G	173	S	A	0.361	Likely Benign
SCN8A	12	52080907	C	T	173	S	L	0.764	Likely Benign
SCN8A	12	52080909	C	A	174	L	I	0.521	Likely Benign
SCN8A	12	52080909	C	G	174	L	V	0.371	Likely Benign
SCN8A	12	52080910	T	A	174	L	Q	0.987	Likely Pathogenic
SCN8A	12	52080910	T	C	174	L	P	0.989	Likely Pathogenic
SCN8A	12	52080910	T	G	174	L	R	0.987	Likely Pathogenic
SCN8A	12	52080912	G	A	175	V	M	0.817	Likely Pathogenic
SCN8A	12	52080912	G	C	175	V	L	0.383	Likely Benign
SCN8A	12	52080912	G	T	175	V	L	0.383	Likely Benign
SCN8A	12	52080913	T	A	175	V	E	0.966	Likely Pathogenic
SCN8A	12	52080913	T	C	175	V	A	0.804	Likely Pathogenic
SCN8A	12	52080913	T	G	175	V	G	0.929	Likely Pathogenic
SCN8A	12	52080915	A	C	176	K	Q	0.992	Likely Pathogenic
SCN8A	12	52080915	A	G	176	K	E	0.995	Likely Pathogenic
SCN8A	12	52080916	A	C	176	K	T	0.996	Likely Pathogenic
SCN8A	12	52080916	A	G	176	K	R	0.976	Likely Pathogenic
SCN8A	12	52080916	A	T	176	K	I	0.996	Likely Pathogenic
SCN8A	12	52080917	A	C	176	K	N	0.996	Likely Pathogenic
SCN8A	12	52080917	A	T	176	K	N	0.996	Likely Pathogenic
SCN8A	12	52080918	A	C	177	I	L	0.883	Likely Pathogenic
SCN8A	12	52080918	A	G	177	I	V	0.584	Likely Benign
SCN8A	12	52080918	A	T	177	I	F	0.978	Likely Pathogenic
SCN8A	12	52080919	T	A	177	I	N	0.991	Likely Pathogenic
SCN8A	12	52080919	T	C	177	I	T	0.989	Likely Pathogenic
SCN8A	12	52080919	T	G	177	I	S	0.988	Likely Pathogenic
SCN8A	12	52080920	C	G	177	I	M	0.878	Likely Pathogenic
SCN8A	12	52080921	A	C	178	I	L	0.122	Likely Benign
SCN8A	12	52080921	A	G	178	I	V	0.208	Likely Benign
SCN8A	12	52080921	A	T	178	I	F	0.290	Likely Benign
SCN8A	12	52080922	T	A	178	I	N	0.919	Likely Pathogenic
SCN8A	12	52080922	T	C	178	I	T	0.510	Likely Benign
SCN8A	12	52080922	T	G	178	I	S	0.687	Likely Benign
SCN8A	12	52080923	T	G	178	I	M	0.510	Likely Benign
SCN8A	12	52080924	G	A	179	A	T	0.988	Likely Pathogenic
SCN8A	12	52080924	G	C	179	A	P	0.995	Likely Pathogenic
SCN8A	12	52080924	G	T	179	A	S	0.960	Likely Pathogenic
SCN8A	12	52080925	C	A	179	A	E	0.995	Likely Pathogenic
SCN8A	12	52080925	C	G	179	A	G	0.965	Likely Pathogenic
SCN8A	12	52080925	C	T	179	A	V	0.981	Likely Pathogenic
SCN8A	12	52080927	A	G	180	R	G	0.961	Likely Pathogenic
SCN8A	12	52080928	G	A	180	R	K	0.903	Likely Pathogenic
SCN8A	12	52080928	G	C	180	R	T	0.936	Likely Pathogenic
SCN8A	12	52080928	G	T	180	R	I	0.965	Likely Pathogenic
SCN8A	12	52080929	A	C	180	R	S	0.930	Likely Pathogenic
SCN8A	12	52080929	A	T	180	R	S	0.929	Likely Pathogenic
SCN8A	12	52080930	G	A	181	G	S	0.987	Likely Pathogenic
SCN8A	12	52080930	G	C	181	G	R	0.969	Likely Pathogenic
SCN8A	12	52080930	G	T	181	G	C	0.989	Likely Pathogenic
SCN8A	12	52080931	G	A	181	G	D	0.990	Likely Pathogenic
SCN8A	12	52080931	G	C	181	G	A	0.987	Likely Pathogenic
SCN8A	12	52080931	G	T	181	G	V	0.990	Likely Pathogenic
SCN8A	12	52080933	T	A	182	F	I	0.968	Likely Pathogenic
SCN8A	12	52080933	T	C	182	F	L	0.959	Likely Pathogenic
SCN8A	12	52080933	T	G	182	F	V	0.975	Likely Pathogenic
SCN8A	12	52080934	T	A	182	F	Y	0.989	Likely Pathogenic
SCN8A	12	52080934	T	C	182	F	S	0.986	Likely Pathogenic
SCN8A	12	52080934	T	G	182	F	C	0.990	Likely Pathogenic
SCN8A	12	52080935	C	A	182	F	L	0.885	Likely Pathogenic
SCN8A	12	52080935	C	G	182	F	L	0.895	Likely Pathogenic
SCN8A	12	52080936	T	A	183	C	S	0.929	Likely Pathogenic
SCN8A	12	52080936	T	C	183	C	R	0.881	Likely Pathogenic
SCN8A	12	52080936	T	G	183	C	G	0.933	Likely Pathogenic
SCN8A	12	52080937	G	A	183	C	Y	0.762	Likely Benign
SCN8A	12	52080937	G	C	183	C	S	0.868	Likely Pathogenic
SCN8A	12	52080937	G	T	183	C	F	0.600	Likely Benign
SCN8A	12	52080938	C	G	183	C	W	0.592	Likely Benign
SCN8A	12	52080939	A	C	184	I	L	0.063	Likely Benign
SCN8A	12	52080939	A	G	184	I	V	0.112	Likely Benign
SCN8A	12	52080939	A	T	184	I	L	0.064	Likely Benign
SCN8A	12	52080940	T	A	184	I	K	0.767	Likely Benign
SCN8A	12	52080940	T	C	184	I	T	0.644	Likely Benign
SCN8A	12	52080940	T	G	184	I	R	0.694	Likely Benign
SCN8A	12	52080941	A	G	184	I	M	0.320	Likely Benign
SCN8A	12	52080942	G	A	185	D	N	0.188	Likely Benign
SCN8A	12	52080942	G	C	185	D	H	0.117	Likely Benign
SCN8A	12	52080942	G	T	185	D	Y	0.304	Likely Benign
SCN8A	12	52080943	A	C	185	D	A	0.336	Likely Benign
SCN8A	12	52080943	A	G	185	D	G	0.078	Likely Benign
SCN8A	12	52080943	A	T	185	D	V	0.421	Likely Benign
SCN8A	12	52080944	T	A	185	D	E	0.122	Likely Benign
SCN8A	12	52080944	T	G	185	D	E	0.122	Likely Benign
SCN8A	12	52080945	G	A	186	G	S	0.138	Likely Benign
SCN8A	12	52080945	G	C	186	G	R	0.217	Likely Benign
SCN8A	12	52080945	G	T	186	G	C	0.389	Likely Benign
SCN8A	12	52080946	G	A	186	G	D	0.103	Likely Benign
SCN8A	12	52080946	G	C	186	G	A	0.149	Likely Benign
SCN8A	12	52080946	G	T	186	G	V	0.290	Likely Benign
SCN8A	12	52080948	T	A	187	F	I	0.980	Likely Pathogenic
SCN8A	12	52080948	T	C	187	F	L	0.969	Likely Pathogenic
SCN8A	12	52080948	T	G	187	F	V	0.980	Likely Pathogenic
SCN8A	12	52080949	T	A	187	F	Y	0.971	Likely Pathogenic
SCN8A	12	52080949	T	C	187	F	S	0.978	Likely Pathogenic
SCN8A	12	52080949	T	G	187	F	C	0.986	Likely Pathogenic
SCN8A	12	52080950	T	A	187	F	L	0.949	Likely Pathogenic
SCN8A	12	52080950	T	G	187	F	L	0.951	Likely Pathogenic
SCN8A	12	52080951	A	C	188	T	P	0.976	Likely Pathogenic
SCN8A	12	52080951	A	G	188	T	A	0.791	Likely Pathogenic
SCN8A	12	52080951	A	T	188	T	S	0.695	Likely Benign
SCN8A	12	52080952	C	A	188	T	N	0.920	Likely Pathogenic
SCN8A	12	52080952	C	G	188	T	S	0.754	Likely Benign
SCN8A	12	52080952	C	T	188	T	I	0.943	Likely Pathogenic
SCN8A	12	52080954	T	A	189	F	I	0.991	Likely Pathogenic
SCN8A	12	52080954	T	C	189	F	L	0.987	Likely Pathogenic
SCN8A	12	52080954	T	G	189	F	V	0.992	Likely Pathogenic
SCN8A	12	52080955	T	A	189	F	Y	0.327	Likely Benign
SCN8A	12	52080955	T	C	189	F	S	0.991	Likely Pathogenic
SCN8A	12	52080955	T	G	189	F	C	0.987	Likely Pathogenic
SCN8A	12	52080956	T	A	189	F	L	0.988	Likely Pathogenic
SCN8A	12	52080956	T	G	189	F	L	0.988	Likely Pathogenic
SCN8A	12	52080957	T	A	190	L	I	0.984	Likely Pathogenic
SCN8A	12	52080957	T	G	190	L	V	0.987	Likely Pathogenic
SCN8A	12	52080958	T	C	190	L	S	0.995	Likely Pathogenic
SCN8A	12	52080959	A	C	190	L	F	0.917	Likely Pathogenic
SCN8A	12	52080959	A	T	190	L	F	0.917	Likely Pathogenic
SCN8A	12	52080960	C	G	191	R	G	0.966	Likely Pathogenic
SCN8A	12	52080960	C	T	191	R	W	0.978	Likely Pathogenic
SCN8A	12	52080961	G	A	191	R	Q	0.974	Likely Pathogenic
SCN8A	12	52080961	G	C	191	R	P	0.994	Likely Pathogenic
SCN8A	12	52080961	G	T	191	R	L	0.982	Likely Pathogenic
SCN8A	12	52080963	G	A	192	D	N	0.957	Likely Pathogenic
SCN8A	12	52080963	G	C	192	D	H	0.989	Likely Pathogenic
SCN8A	12	52080963	G	T	192	D	Y	0.987	Likely Pathogenic
SCN8A	12	52080964	A	C	192	D	A	0.990	Likely Pathogenic
SCN8A	12	52080964	A	G	192	D	G	0.988	Likely Pathogenic
SCN8A	12	52080964	A	T	192	D	V	0.987	Likely Pathogenic
SCN8A	12	52080965	C	A	192	D	E	0.982	Likely Pathogenic
SCN8A	12	52080965	C	G	192	D	E	0.982	Likely Pathogenic
SCN8A	12	52080966	C	A	193	P	T	0.862	Likely Pathogenic
SCN8A	12	52080966	C	G	193	P	A	0.506	Likely Benign
SCN8A	12	52080966	C	T	193	P	S	0.891	Likely Pathogenic
SCN8A	12	52080967	C	A	193	P	Q	0.989	Likely Pathogenic
SCN8A	12	52080967	C	G	193	P	R	0.962	Likely Pathogenic
SCN8A	12	52080967	C	T	193	P	L	0.948	Likely Pathogenic
SCN8A	12	52080969	T	A	194	W	R	0.996	Likely Pathogenic
SCN8A	12	52080969	T	C	194	W	R	0.996	Likely Pathogenic
SCN8A	12	52080969	T	G	194	W	G	0.995	Likely Pathogenic
SCN8A	12	52080970	G	C	194	W	S	0.996	Likely Pathogenic
SCN8A	12	52080970	G	T	194	W	L	0.994	Likely Pathogenic
SCN8A	12	52080971	G	C	194	W	C	0.995	Likely Pathogenic
SCN8A	12	52080971	G	T	194	W	C	0.995	Likely Pathogenic
SCN8A	12	52080972	A	C	195	N	H	0.995	Likely Pathogenic
SCN8A	12	52080972	A	G	195	N	D	0.994	Likely Pathogenic
SCN8A	12	52080972	A	T	195	N	Y	0.997	Likely Pathogenic
SCN8A	12	52080973	A	C	195	N	T	0.995	Likely Pathogenic
SCN8A	12	52080973	A	G	195	N	S	0.992	Likely Pathogenic
SCN8A	12	52080973	A	T	195	N	I	0.996	Likely Pathogenic
SCN8A	12	52080974	C	A	195	N	K	0.997	Likely Pathogenic
SCN8A	12	52080974	C	G	195	N	K	0.997	Likely Pathogenic
SCN8A	12	52080975	T	A	196	W	R	0.968	Likely Pathogenic
SCN8A	12	52080975	T	C	196	W	R	0.969	Likely Pathogenic
SCN8A	12	52080975	T	G	196	W	G	0.987	Likely Pathogenic
SCN8A	12	52080976	G	C	196	W	S	0.991	Likely Pathogenic
SCN8A	12	52080976	G	T	196	W	L	0.950	Likely Pathogenic
SCN8A	12	52080977	G	C	196	W	C	0.948	Likely Pathogenic
SCN8A	12	52080977	G	T	196	W	C	0.948	Likely Pathogenic
SCN8A	12	52080978	T	A	197	L	I	0.912	Likely Pathogenic
SCN8A	12	52080978	T	G	197	L	V	0.976	Likely Pathogenic
SCN8A	12	52080979	T	C	197	L	S	0.994	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN1A	2	166911164	T	C	196	T	A	0.649	Likely Benign
SCN1A	2	166911164	T	G	196	T	P	0.884	Likely Pathogenic
SCN1A	2	166911163	G	A	196	T	I	0.294	Likely Benign
SCN1A	2	166911163	G	C	196	T	S	0.157	Likely Benign
SCN1A	2	166911163	G	T	196	T	N	0.700	Likely Benign
SCN1A	2	166911161	C	A	197	V	F	0.995	Likely Pathogenic
SCN1A	2	166911161	C	G	197	V	L	0.982	Likely Pathogenic
SCN1A	2	166911161	C	T	197	V	I	0.958	Likely Pathogenic
SCN1A	2	166911160	A	C	197	V	G	0.995	Likely Pathogenic
SCN1A	2	166911160	A	G	197	V	A	0.986	Likely Pathogenic
SCN1A	2	166911160	A	T	197	V	D	0.994	Likely Pathogenic
SCN1A	2	166911158	T	A	198	I	F	0.986	Likely Pathogenic
SCN1A	2	166911158	T	C	198	I	V	0.605	Likely Benign
SCN1A	2	166911158	T	G	198	I	L	0.973	Likely Pathogenic
SCN1A	2	166911157	A	C	198	I	S	0.992	Likely Pathogenic
SCN1A	2	166911157	A	G	198	I	T	0.982	Likely Pathogenic
SCN1A	2	166911157	A	T	198	I	N	0.992	Likely Pathogenic
SCN1A	2	166911156	A	C	198	I	M	0.986	Likely Pathogenic
SCN1A	2	166911155	T	A	199	T	S	0.174	Likely Benign
SCN1A	2	166911155	T	C	199	T	A	0.387	Likely Benign
SCN1A	2	166911155	T	G	199	T	P	0.898	Likely Pathogenic
SCN1A	2	166911154	G	A	199	T	I	0.234	Likely Benign
SCN1A	2	166911154	G	C	199	T	R	0.867	Likely Pathogenic
SCN1A	2	166911154	G	T	199	T	K	0.908	Likely Pathogenic
SCN1A	2	166911152	A	C	200	F	V	0.599	Likely Benign
SCN1A	2	166911152	A	G	200	F	L	0.213	Likely Benign
SCN1A	2	166911152	A	T	200	F	I	0.415	Likely Benign
SCN1A	2	166911151	A	C	200	F	C	0.848	Likely Pathogenic
SCN1A	2	166911151	A	G	200	F	S	0.821	Likely Pathogenic
SCN1A	2	166911151	A	T	200	F	Y	0.751	Likely Benign
SCN1A	2	166911150	A	C	200	F	L	0.177	Likely Benign
SCN1A	2	166911150	A	T	200	F	L	0.197	Likely Benign
SCN1A	2	166911149	C	A	201	A	S	0.954	Likely Pathogenic
SCN1A	2	166911149	C	G	201	A	P	0.992	Likely Pathogenic
SCN1A	2	166911149	C	T	201	A	T	0.978	Likely Pathogenic
SCN1A	2	166911148	G	A	201	A	V	0.992	Likely Pathogenic
SCN1A	2	166911148	G	C	201	A	G	0.961	Likely Pathogenic
SCN1A	2	166911148	G	T	201	A	E	0.986	Likely Pathogenic
SCN1A	2	166909452	A	C	202	Y	D	0.992	Likely Pathogenic
SCN1A	2	166909452	A	G	202	Y	H	0.985	Likely Pathogenic
SCN1A	2	166909452	A	T	202	Y	N	0.984	Likely Pathogenic
SCN1A	2	166909451	T	A	202	Y	F	0.948	Likely Pathogenic
SCN1A	2	166909451	T	C	202	Y	C	0.990	Likely Pathogenic
SCN1A	2	166909451	T	G	202	Y	S	0.980	Likely Pathogenic
SCN1A	2	166909449	C	A	203	V	F	0.949	Likely Pathogenic
SCN1A	2	166909449	C	G	203	V	L	0.684	Likely Benign
SCN1A	2	166909449	C	T	203	V	I	0.638	Likely Benign
SCN1A	2	166909448	A	C	203	V	G	0.988	Likely Pathogenic
SCN1A	2	166909448	A	G	203	V	A	0.940	Likely Pathogenic
SCN1A	2	166909448	A	T	203	V	D	0.988	Likely Pathogenic
SCN1A	2	166909446	T	A	204	T	S	0.827	Likely Pathogenic
SCN1A	2	166909446	T	C	204	T	A	0.954	Likely Pathogenic
SCN1A	2	166909446	T	G	204	T	P	0.971	Likely Pathogenic
SCN1A	2	166909445	G	A	204	T	I	0.982	Likely Pathogenic
SCN1A	2	166909445	G	C	204	T	R	0.982	Likely Pathogenic
SCN1A	2	166909445	G	T	204	T	K	0.987	Likely Pathogenic
SCN1A	2	166909443	C	G	205	E	Q	0.965	Likely Pathogenic
SCN1A	2	166909443	C	T	205	E	K	0.975	Likely Pathogenic
SCN1A	2	166909442	T	A	205	E	V	0.964	Likely Pathogenic
SCN1A	2	166909442	T	C	205	E	G	0.972	Likely Pathogenic
SCN1A	2	166909442	T	G	205	E	A	0.936	Likely Pathogenic
SCN1A	2	166909441	C	A	205	E	D	0.952	Likely Pathogenic
SCN1A	2	166909441	C	G	205	E	D	0.956	Likely Pathogenic
SCN1A	2	166909440	A	C	206	F	V	0.927	Likely Pathogenic
SCN1A	2	166909440	A	G	206	F	L	0.916	Likely Pathogenic
SCN1A	2	166909440	A	T	206	F	I	0.944	Likely Pathogenic
SCN1A	2	166909439	A	C	206	F	C	0.983	Likely Pathogenic
SCN1A	2	166909439	A	G	206	F	S	0.960	Likely Pathogenic
SCN1A	2	166909439	A	T	206	F	Y	0.946	Likely Pathogenic
SCN1A	2	166909438	A	C	206	F	L	0.883	Likely Pathogenic
SCN1A	2	166909438	A	T	206	F	L	0.885	Likely Pathogenic
SCN1A	2	166909437	C	A	207	V	L	0.676	Likely Benign
SCN1A	2	166909437	C	G	207	V	L	0.652	Likely Benign
SCN1A	2	166909437	C	T	207	V	M	0.838	Likely Pathogenic
SCN1A	2	166909436	A	C	207	V	G	0.967	Likely Pathogenic
SCN1A	2	166909436	A	G	207	V	A	0.947	Likely Pathogenic
SCN1A	2	166909436	A	T	207	V	E	0.978	Likely Pathogenic
SCN1A	2	166909434	C	A	208	D	Y	0.979	Likely Pathogenic
SCN1A	2	166909434	C	G	208	D	H	0.979	Likely Pathogenic
SCN1A	2	166909434	C	T	208	D	N	0.728	Likely Benign
SCN1A	2	166909433	T	A	208	D	V	0.983	Likely Pathogenic
SCN1A	2	166909433	T	C	208	D	G	0.955	Likely Pathogenic
SCN1A	2	166909433	T	G	208	D	A	0.963	Likely Pathogenic
SCN1A	2	166909432	G	C	208	D	E	0.844	Likely Pathogenic
SCN1A	2	166909432	G	T	208	D	E	0.854	Likely Pathogenic
SCN1A	2	166909431	G	C	209	L	V	0.761	Likely Benign
SCN1A	2	166909431	G	T	209	L	M	0.920	Likely Pathogenic
SCN1A	2	166909430	A	C	209	L	R	0.974	Likely Pathogenic
SCN1A	2	166909430	A	G	209	L	P	0.977	Likely Pathogenic
SCN1A	2	166909430	A	T	209	L	Q	0.973	Likely Pathogenic
SCN1A	2	166909428	C	A	210	G	C	0.991	Likely Pathogenic
SCN1A	2	166909428	C	G	210	G	R	0.943	Likely Pathogenic
SCN1A	2	166909428	C	T	210	G	S	0.956	Likely Pathogenic
SCN1A	2	166909427	C	A	210	G	V	0.978	Likely Pathogenic
SCN1A	2	166909427	C	G	210	G	A	0.971	Likely Pathogenic
SCN1A	2	166909427	C	T	210	G	D	0.973	Likely Pathogenic
SCN1A	2	166909425	T	A	211	N	Y	0.979	Likely Pathogenic
SCN1A	2	166909425	T	C	211	N	D	0.932	Likely Pathogenic
SCN1A	2	166909425	T	G	211	N	H	0.979	Likely Pathogenic
SCN1A	2	166909424	T	A	211	N	I	0.976	Likely Pathogenic
SCN1A	2	166909424	T	C	211	N	S	0.799	Likely Pathogenic
SCN1A	2	166909424	T	G	211	N	T	0.960	Likely Pathogenic
SCN1A	2	166909423	A	C	211	N	K	0.956	Likely Pathogenic
SCN1A	2	166909423	A	T	211	N	K	0.956	Likely Pathogenic
SCN1A	2	166909422	C	A	212	V	F	0.963	Likely Pathogenic
SCN1A	2	166909422	C	G	212	V	L	0.811	Likely Pathogenic
SCN1A	2	166909422	C	T	212	V	I	0.818	Likely Pathogenic
SCN1A	2	166909421	A	C	212	V	G	0.992	Likely Pathogenic
SCN1A	2	166909421	A	G	212	V	A	0.968	Likely Pathogenic
SCN1A	2	166909421	A	T	212	V	D	0.992	Likely Pathogenic
SCN1A	2	166909419	A	C	213	S	A	0.818	Likely Pathogenic
SCN1A	2	166909419	A	G	213	S	P	0.980	Likely Pathogenic
SCN1A	2	166909419	A	T	213	S	T	0.946	Likely Pathogenic
SCN1A	2	166909418	G	A	213	S	L	0.983	Likely Pathogenic
SCN1A	2	166909418	G	C	213	S	W	0.991	Likely Pathogenic
SCN1A	2	166909416	C	A	214	A	S	0.965	Likely Pathogenic
SCN1A	2	166909416	C	G	214	A	P	0.984	Likely Pathogenic
SCN1A	2	166909416	C	T	214	A	T	0.978	Likely Pathogenic
SCN1A	2	166909415	G	A	214	A	V	0.825	Likely Pathogenic
SCN1A	2	166909415	G	C	214	A	G	0.893	Likely Pathogenic
SCN1A	2	166909415	G	T	214	A	E	0.991	Likely Pathogenic
SCN1A	2	166909413	A	C	215	L	V	0.984	Likely Pathogenic
SCN1A	2	166909413	A	T	215	L	M	0.986	Likely Pathogenic
SCN1A	2	166909412	A	C	215	L	W	0.995	Likely Pathogenic
SCN1A	2	166909412	A	G	215	L	S	0.996	Likely Pathogenic
SCN1A	2	166909411	C	A	215	L	F	0.975	Likely Pathogenic
SCN1A	2	166909411	C	G	215	L	F	0.974	Likely Pathogenic
SCN1A	2	166909410	T	C	216	R	G	0.991	Likely Pathogenic
SCN1A	2	166909409	C	A	216	R	I	0.995	Likely Pathogenic
SCN1A	2	166909409	C	G	216	R	T	0.992	Likely Pathogenic
SCN1A	2	166909409	C	T	216	R	K	0.985	Likely Pathogenic
SCN1A	2	166909408	T	A	216	R	S	0.994	Likely Pathogenic
SCN1A	2	166909408	T	G	216	R	S	0.994	Likely Pathogenic
SCN1A	2	166909407	T	A	217	T	S	0.949	Likely Pathogenic
SCN1A	2	166909407	T	C	217	T	A	0.818	Likely Pathogenic
SCN1A	2	166909407	T	G	217	T	P	0.985	Likely Pathogenic
SCN1A	2	166909406	G	A	217	T	I	0.966	Likely Pathogenic
SCN1A	2	166909406	G	C	217	T	R	0.993	Likely Pathogenic
SCN1A	2	166909406	G	T	217	T	K	0.993	Likely Pathogenic
SCN1A	2	166909404	A	C	218	F	V	0.977	Likely Pathogenic
SCN1A	2	166909404	A	G	218	F	L	0.928	Likely Pathogenic
SCN1A	2	166909404	A	T	218	F	I	0.977	Likely Pathogenic
SCN1A	2	166909403	A	C	218	F	C	0.993	Likely Pathogenic
SCN1A	2	166909403	A	G	218	F	S	0.991	Likely Pathogenic
SCN1A	2	166909403	A	T	218	F	Y	0.994	Likely Pathogenic
SCN1A	2	166909402	G	C	218	F	L	0.928	Likely Pathogenic
SCN1A	2	166909402	G	T	218	F	L	0.928	Likely Pathogenic
SCN1A	2	166909401	T	C	219	R	G	0.996	Likely Pathogenic
SCN1A	2	166909400	C	A	219	R	I	0.994	Likely Pathogenic
SCN1A	2	166909400	C	G	219	R	T	0.992	Likely Pathogenic
SCN1A	2	166909400	C	T	219	R	K	0.990	Likely Pathogenic
SCN1A	2	166909399	T	A	219	R	S	0.995	Likely Pathogenic
SCN1A	2	166909399	T	G	219	R	S	0.995	Likely Pathogenic
SCN1A	2	166909398	C	A	220	V	F	0.993	Likely Pathogenic
SCN1A	2	166909398	C	G	220	V	L	0.966	Likely Pathogenic
SCN1A	2	166909398	C	T	220	V	I	0.980	Likely Pathogenic
SCN1A	2	166909397	A	C	220	V	G	0.993	Likely Pathogenic
SCN1A	2	166909397	A	G	220	V	A	0.981	Likely Pathogenic
SCN1A	2	166909397	A	T	220	V	D	0.995	Likely Pathogenic
SCN1A	2	166909395	G	A	221	L	F	0.973	Likely Pathogenic
SCN1A	2	166909395	G	C	221	L	V	0.991	Likely Pathogenic
SCN1A	2	166909395	G	T	221	L	I	0.988	Likely Pathogenic
SCN1A	2	166909394	A	C	221	L	R	0.996	Likely Pathogenic
SCN1A	2	166909394	A	G	221	L	P	0.995	Likely Pathogenic
SCN1A	2	166909394	A	T	221	L	H	0.996	Likely Pathogenic
SCN1A	2	166909392	G	C	222	R	G	0.998	Likely Pathogenic
SCN1A	2	166909391	C	A	222	R	L	0.998	Likely Pathogenic
SCN1A	2	166909391	C	G	222	R	P	0.998	Likely Pathogenic
SCN1A	2	166909391	C	T	222	R	Q	0.998	Likely Pathogenic
SCN1A	2	166909389	C	A	223	A	S	0.981	Likely Pathogenic
SCN1A	2	166909389	C	G	223	A	P	0.955	Likely Pathogenic
SCN1A	2	166909389	C	T	223	A	T	0.982	Likely Pathogenic
SCN1A	2	166909388	G	A	223	A	V	0.935	Likely Pathogenic
SCN1A	2	166909388	G	C	223	A	G	0.989	Likely Pathogenic
SCN1A	2	166909388	G	T	223	A	E	0.991	Likely Pathogenic
SCN1A	2	166909386	A	C	224	L	V	0.984	Likely Pathogenic
SCN1A	2	166909386	A	T	224	L	M	0.992	Likely Pathogenic
SCN1A	2	166909385	A	C	224	L	W	0.996	Likely Pathogenic
SCN1A	2	166909385	A	G	224	L	S	0.996	Likely Pathogenic
SCN1A	2	166909384	C	A	224	L	F	0.972	Likely Pathogenic
SCN1A	2	166909384	C	G	224	L	F	0.971	Likely Pathogenic
SCN1A	2	166909383	T	C	225	K	E	0.989	Likely Pathogenic
SCN1A	2	166909383	T	G	225	K	Q	0.987	Likely Pathogenic
SCN1A	2	166909382	T	A	225	K	M	0.993	Likely Pathogenic
SCN1A	2	166909382	T	C	225	K	R	0.802	Likely Pathogenic
SCN1A	2	166909382	T	G	225	K	T	0.985	Likely Pathogenic
SCN1A	2	166909381	C	A	225	K	N	0.992	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN2A	2	166165291	G	A	198	V	I	0.746	Likely Benign
SCN2A	2	166165291	G	C	198	V	L	0.965	Likely Pathogenic
SCN2A	2	166165291	G	T	198	V	F	0.993	Likely Pathogenic
SCN2A	2	166165292	T	A	198	V	D	0.991	Likely Pathogenic
SCN2A	2	166165292	T	C	198	V	A	0.968	Likely Pathogenic
SCN2A	2	166165292	T	G	198	V	G	0.993	Likely Pathogenic
SCN2A	2	166165294	A	C	199	I	L	0.915	Likely Pathogenic
SCN2A	2	166165294	A	G	199	I	V	0.35	Likely Benign
SCN2A	2	166165294	A	T	199	I	F	0.971	Likely Pathogenic
SCN2A	2	166165295	T	A	199	I	N	0.991	Likely Pathogenic
SCN2A	2	166165295	T	C	199	I	T	0.966	Likely Pathogenic
SCN2A	2	166165295	T	G	199	I	S	0.989	Likely Pathogenic
SCN2A	2	166165296	T	G	199	I	M	0.962	Likely Pathogenic
SCN2A	2	166165297	A	C	200	T	P	0.474	Likely Benign
SCN2A	2	166165297	A	G	200	T	A	0.173	Likely Benign
SCN2A	2	166165297	A	T	200	T	S	0.12	Likely Benign
SCN2A	2	166165298	C	A	200	T	N	0.386	Likely Benign
SCN2A	2	166165298	C	G	200	T	S	0.113	Likely Benign
SCN2A	2	166165298	C	T	200	T	I	0.151	Likely Benign
SCN2A	2	166165300	T	A	201	F	I	0.156	Likely Benign
SCN2A	2	166165300	T	C	201	F	L	0.128	Likely Benign
SCN2A	2	166165300	T	G	201	F	V	0.201	Likely Benign
SCN2A	2	166165301	T	A	201	F	Y	0.485	Likely Benign
SCN2A	2	166165301	T	C	201	F	S	0.353	Likely Benign
SCN2A	2	166165301	T	G	201	F	C	0.481	Likely Benign
SCN2A	2	166165302	T	A	201	F	L	0.128	Likely Benign
SCN2A	2	166165302	T	G	201	F	L	0.126	Likely Benign
SCN2A	2	166165303	G	A	202	A	T	0.939	Likely Pathogenic
SCN2A	2	166165303	G	C	202	A	P	0.985	Likely Pathogenic
SCN2A	2	166165303	G	T	202	A	S	0.517	Likely Benign
SCN2A	2	166165676	T	A	203	Y	N	0.955	Likely Pathogenic
SCN2A	2	166165676	T	C	203	Y	H	0.959	Likely Pathogenic
SCN2A	2	166165676	T	G	203	Y	D	0.946	Likely Pathogenic
SCN2A	2	166165677	A	C	203	Y	S	0.948	Likely Pathogenic
SCN2A	2	166165677	A	G	203	Y	C	0.948	Likely Pathogenic
SCN2A	2	166165677	A	T	203	Y	F	0.957	Likely Pathogenic
SCN2A	2	166165679	G	A	204	V	I	0.343	Likely Benign
SCN2A	2	166165679	G	C	204	V	L	0.669	Likely Benign
SCN2A	2	166165679	G	T	204	V	L	0.658	Likely Benign
SCN2A	2	166165680	T	A	204	V	E	0.937	Likely Pathogenic
SCN2A	2	166165680	T	C	204	V	A	0.746	Likely Benign
SCN2A	2	166165680	T	G	204	V	G	0.928	Likely Pathogenic
SCN2A	2	166165682	A	C	205	T	P	0.935	Likely Pathogenic
SCN2A	2	166165682	A	G	205	T	A	0.883	Likely Pathogenic
SCN2A	2	166165682	A	T	205	T	S	0.733	Likely Benign
SCN2A	2	166165683	C	A	205	T	K	0.94	Likely Pathogenic
SCN2A	2	166165683	C	G	205	T	R	0.942	Likely Pathogenic
SCN2A	2	166165683	C	T	205	T	I	0.924	Likely Pathogenic
SCN2A	2	166165685	G	A	206	E	K	0.918	Likely Pathogenic
SCN2A	2	166165685	G	C	206	E	Q	0.902	Likely Pathogenic
SCN2A	2	166165686	A	C	206	E	A	0.857	Likely Pathogenic
SCN2A	2	166165686	A	G	206	E	G	0.905	Likely Pathogenic
SCN2A	2	166165686	A	T	206	E	V	0.883	Likely Pathogenic
SCN2A	2	166165687	A	C	206	E	D	0.924	Likely Pathogenic
SCN2A	2	166165687	A	T	206	E	D	0.924	Likely Pathogenic
SCN2A	2	166165688	T	A	207	F	I	0.9	Likely Pathogenic
SCN2A	2	166165688	T	C	207	F	L	0.855	Likely Pathogenic
SCN2A	2	166165688	T	G	207	F	V	0.822	Likely Pathogenic
SCN2A	2	166165689	T	A	207	F	Y	0.96	Likely Pathogenic
SCN2A	2	166165689	T	C	207	F	S	0.808	Likely Pathogenic
SCN2A	2	166165689	T	G	207	F	C	0.899	Likely Pathogenic
SCN2A	2	166165690	T	A	207	F	L	0.855	Likely Pathogenic
SCN2A	2	166165690	T	G	207	F	L	0.853	Likely Pathogenic
SCN2A	2	166165691	G	A	208	V	I	0.587	Likely Benign
SCN2A	2	166165691	G	C	208	V	L	0.639	Likely Benign
SCN2A	2	166165691	G	T	208	V	L	0.633	Likely Benign
SCN2A	2	166165692	T	A	208	V	E	0.953	Likely Pathogenic
SCN2A	2	166165692	T	C	208	V	A	0.905	Likely Pathogenic
SCN2A	2	166165692	T	G	208	V	G	0.943	Likely Pathogenic
SCN2A	2	166165694	A	C	209	N	H	0.933	Likely Pathogenic
SCN2A	2	166165694	A	G	209	N	D	0.418	Likely Benign
SCN2A	2	166165694	A	T	209	N	Y	0.934	Likely Pathogenic
SCN2A	2	166165695	A	C	209	N	T	0.879	Likely Pathogenic
SCN2A	2	166165695	A	G	209	N	S	0.637	Likely Benign
SCN2A	2	166165695	A	T	209	N	I	0.912	Likely Pathogenic
SCN2A	2	166165696	C	A	209	N	K	0.6	Likely Benign
SCN2A	2	166165696	C	G	209	N	K	0.532	Likely Benign
SCN2A	2	166165697	C	A	210	L	I	0.874	Likely Pathogenic
SCN2A	2	166165697	C	G	210	L	V	0.851	Likely Pathogenic
SCN2A	2	166165698	T	A	210	L	Q	0.936	Likely Pathogenic
SCN2A	2	166165698	T	C	210	L	P	0.931	Likely Pathogenic
SCN2A	2	166165698	T	G	210	L	R	0.943	Likely Pathogenic
SCN2A	2	166165700	G	A	211	G	S	0.951	Likely Pathogenic
SCN2A	2	166165700	G	C	211	G	R	0.819	Likely Pathogenic
SCN2A	2	166165700	G	T	211	G	C	0.945	Likely Pathogenic
SCN2A	2	166165701	G	A	211	G	D	0.958	Likely Pathogenic
SCN2A	2	166165701	G	C	211	G	A	0.95	Likely Pathogenic
SCN2A	2	166165701	G	T	211	G	V	0.953	Likely Pathogenic
SCN2A	2	166165703	A	C	212	N	H	0.959	Likely Pathogenic
SCN2A	2	166165703	A	G	212	N	D	0.956	Likely Pathogenic
SCN2A	2	166165703	A	T	212	N	Y	0.959	Likely Pathogenic
SCN2A	2	166165704	A	C	212	N	T	0.952	Likely Pathogenic
SCN2A	2	166165704	A	G	212	N	S	0.882	Likely Pathogenic
SCN2A	2	166165704	A	T	212	N	I	0.957	Likely Pathogenic
SCN2A	2	166165705	T	A	212	N	K	0.95	Likely Pathogenic
SCN2A	2	166165705	T	G	212	N	K	0.95	Likely Pathogenic
SCN2A	2	166165706	G	A	213	V	I	0.58	Likely Benign
SCN2A	2	166165706	G	C	213	V	L	0.618	Likely Benign
SCN2A	2	166165706	G	T	213	V	F	0.837	Likely Pathogenic
SCN2A	2	166165707	T	A	213	V	D	0.954	Likely Pathogenic
SCN2A	2	166165707	T	C	213	V	A	0.944	Likely Pathogenic
SCN2A	2	166165707	T	G	213	V	G	0.945	Likely Pathogenic
SCN2A	2	166165709	T	A	214	S	T	0.935	Likely Pathogenic
SCN2A	2	166165709	T	C	214	S	P	0.913	Likely Pathogenic
SCN2A	2	166165709	T	G	214	S	A	0.815	Likely Pathogenic
SCN2A	2	166165710	C	T	214	S	L	0.862	Likely Pathogenic
SCN2A	2	166165712	G	A	215	A	T	0.96	Likely Pathogenic
SCN2A	2	166165712	G	C	215	A	P	0.963	Likely Pathogenic
SCN2A	2	166165712	G	T	215	A	S	0.96	Likely Pathogenic
SCN2A	2	166165713	C	A	215	A	D	0.961	Likely Pathogenic
SCN2A	2	166165713	C	G	215	A	G	0.887	Likely Pathogenic
SCN2A	2	166165713	C	T	215	A	V	0.847	Likely Pathogenic
SCN2A	2	166165715	C	A	216	L	I	0.972	Likely Pathogenic
SCN2A	2	166165715	C	G	216	L	V	0.97	Likely Pathogenic
SCN2A	2	166165715	C	T	216	L	F	0.969	Likely Pathogenic
SCN2A	2	166165716	T	A	216	L	H	0.969	Likely Pathogenic
SCN2A	2	166165716	T	C	216	L	P	0.968	Likely Pathogenic
SCN2A	2	166165716	T	G	216	L	R	0.966	Likely Pathogenic
SCN2A	2	166165718	C	G	217	R	G	0.944	Likely Pathogenic
SCN2A	2	166165719	G	A	217	R	Q	0.955	Likely Pathogenic
SCN2A	2	166165719	G	C	217	R	P	0.95	Likely Pathogenic
SCN2A	2	166165719	G	T	217	R	L	0.943	Likely Pathogenic
SCN2A	2	166165721	A	C	218	T	P	0.952	Likely Pathogenic
SCN2A	2	166165721	A	G	218	T	A	0.899	Likely Pathogenic
SCN2A	2	166165721	A	T	218	T	S	0.921	Likely Pathogenic
SCN2A	2	166165722	C	A	218	T	N	0.94	Likely Pathogenic
SCN2A	2	166165722	C	G	218	T	S	0.89	Likely Pathogenic
SCN2A	2	166165722	C	T	218	T	I	0.923	Likely Pathogenic
SCN2A	2	166165724	T	A	219	F	I	0.964	Likely Pathogenic
SCN2A	2	166165724	T	C	219	F	L	0.948	Likely Pathogenic
SCN2A	2	166165724	T	G	219	F	V	0.965	Likely Pathogenic
SCN2A	2	166165725	T	A	219	F	Y	0.974	Likely Pathogenic
SCN2A	2	166165725	T	C	219	F	S	0.966	Likely Pathogenic
SCN2A	2	166165725	T	G	219	F	C	0.969	Likely Pathogenic
SCN2A	2	166165726	C	A	219	F	L	0.94	Likely Pathogenic
SCN2A	2	166165726	C	G	219	F	L	0.94	Likely Pathogenic
SCN2A	2	166165727	A	G	220	R	G	0.962	Likely Pathogenic
SCN2A	2	166165728	G	A	220	R	K	0.967	Likely Pathogenic
SCN2A	2	166165728	G	C	220	R	T	0.962	Likely Pathogenic
SCN2A	2	166165728	G	T	220	R	I	0.957	Likely Pathogenic
SCN2A	2	166165729	A	C	220	R	S	0.966	Likely Pathogenic
SCN2A	2	166165729	A	T	220	R	S	0.966	Likely Pathogenic
SCN2A	2	166165730	G	A	221	V	I	0.967	Likely Pathogenic
SCN2A	2	166165730	G	C	221	V	L	0.931	Likely Pathogenic
SCN2A	2	166165730	G	T	221	V	F	0.961	Likely Pathogenic
SCN2A	2	166165731	T	A	221	V	D	0.963	Likely Pathogenic
SCN2A	2	166165731	T	C	221	V	A	0.963	Likely Pathogenic
SCN2A	2	166165731	T	G	221	V	G	0.968	Likely Pathogenic
SCN2A	2	166165733	T	A	222	L	M	0.965	Likely Pathogenic
SCN2A	2	166165733	T	G	222	L	V	0.962	Likely Pathogenic
SCN2A	2	166165734	T	C	222	L	S	0.966	Likely Pathogenic
SCN2A	2	166165734	T	G	222	L	W	0.972	Likely Pathogenic
SCN2A	2	166165735	G	C	222	L	F	0.955	Likely Pathogenic
SCN2A	2	166165735	G	T	222	L	F	0.955	Likely Pathogenic
SCN2A	2	166165736	A	G	223	R	G	0.987	Likely Pathogenic
SCN2A	2	166165737	G	A	223	R	K	0.988	Likely Pathogenic
SCN2A	2	166165737	G	C	223	R	T	0.989	Likely Pathogenic
SCN2A	2	166165737	G	T	223	R	I	0.988	Likely Pathogenic
SCN2A	2	166165738	A	C	223	R	S	0.987	Likely Pathogenic
SCN2A	2	166165738	A	T	223	R	S	0.987	Likely Pathogenic
SCN2A	2	166165739	G	A	224	A	T	0.967	Likely Pathogenic
SCN2A	2	166165739	G	C	224	A	P	0.955	Likely Pathogenic
SCN2A	2	166165739	G	T	224	A	S	0.964	Likely Pathogenic
SCN2A	2	166165740	C	A	224	A	D	0.963	Likely Pathogenic
SCN2A	2	166165740	C	G	224	A	G	0.964	Likely Pathogenic
SCN2A	2	166165740	C	T	224	A	V	0.903	Likely Pathogenic
SCN2A	2	166165742	T	A	225	L	M	0.973	Likely Pathogenic
SCN2A	2	166165742	T	G	225	L	V	0.971	Likely Pathogenic
SCN2A	2	166165743	T	C	225	L	S	0.974	Likely Pathogenic
SCN2A	2	166165743	T	G	225	L	W	0.976	Likely Pathogenic
SCN2A	2	166165744	G	C	225	L	F	0.933	Likely Pathogenic
SCN2A	2	166165744	G	T	225	L	F	0.932	Likely Pathogenic
SCN2A	2	166165745	A	C	226	K	Q	0.943	Likely Pathogenic
SCN2A	2	166165745	A	G	226	K	E	0.947	Likely Pathogenic
SCN2A	2	166165746	A	C	226	K	T	0.933	Likely Pathogenic
SCN2A	2	166165746	A	G	226	K	R	0.91	Likely Pathogenic
SCN2A	2	166165746	A	T	226	K	I	0.951	Likely Pathogenic
SCN2A	2	166165747	A	C	226	K	N	0.909	Likely Pathogenic
SCN2A	2	166165747	A	T	226	K	N	0.909	Likely Pathogenic
SCN2A	2	166165748	A	C	227	T	P	0.956	Likely Pathogenic
SCN2A	2	166165748	A	G	227	T	A	0.931	Likely Pathogenic
SCN2A	2	166165748	A	T	227	T	S	0.951	Likely Pathogenic
SCN2A	2	166165749	C	A	227	T	N	0.961	Likely Pathogenic
SCN2A	2	166165749	C	G	227	T	S	0.957	Likely Pathogenic
SCN2A	2	166165749	C	T	227	T	I	0.942	Likely Pathogenic
SCN2A	2	166165751	A	C	228	I	L	0.958	Likely Pathogenic
SCN2A	2	166165751	A	G	228	I	V	0.856	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN8A	12	52080980	A	C	197	L	F	0.931	Likely Pathogenic
SCN8A	12	52080980	A	T	197	L	F	0.929	Likely Pathogenic
SCN8A	12	52080981	G	A	198	D	N	0.992	Likely Pathogenic
SCN8A	12	52080981	G	C	198	D	H	0.997	Likely Pathogenic
SCN8A	12	52080981	G	T	198	D	Y	0.996	Likely Pathogenic
SCN8A	12	52080982	A	C	198	D	A	0.997	Likely Pathogenic
SCN8A	12	52080982	A	G	198	D	G	0.997	Likely Pathogenic
SCN8A	12	52080982	A	T	198	D	V	0.997	Likely Pathogenic
SCN8A	12	52080983	T	A	198	D	E	0.996	Likely Pathogenic
SCN8A	12	52080983	T	G	198	D	E	0.996	Likely Pathogenic
SCN8A	12	52080984	T	A	199	F	I	0.978	Likely Pathogenic
SCN8A	12	52080984	T	C	199	F	L	0.973	Likely Pathogenic
SCN8A	12	52080984	T	G	199	F	V	0.978	Likely Pathogenic
SCN8A	12	52080985	T	A	199	F	Y	0.995	Likely Pathogenic
SCN8A	12	52080985	T	C	199	F	S	0.984	Likely Pathogenic
SCN8A	12	52080985	T	G	199	F	C	0.986	Likely Pathogenic
SCN8A	12	52080986	C	A	199	F	L	0.975	Likely Pathogenic
SCN8A	12	52080986	C	G	199	F	L	0.974	Likely Pathogenic
SCN8A	12	52080987	A	C	200	S	R	0.890	Likely Pathogenic
SCN8A	12	52080987	A	G	200	S	G	0.753	Likely Benign
SCN8A	12	52080987	A	T	200	S	C	0.863	Likely Pathogenic
SCN8A	12	52080988	G	A	200	S	N	0.871	Likely Pathogenic
SCN8A	12	52080988	G	C	200	S	T	0.334	Likely Benign
SCN8A	12	52080988	G	T	200	S	I	0.245	Likely Benign
SCN8A	12	52080989	T	A	200	S	R	0.866	Likely Pathogenic
SCN8A	12	52080989	T	G	200	S	R	0.857	Likely Pathogenic
SCN8A	12	52080990	G	A	201	V	I	0.899	Likely Pathogenic
SCN8A	12	52080990	G	C	201	V	L	0.981	Likely Pathogenic
SCN8A	12	52080990	G	T	201	V	F	0.993	Likely Pathogenic
SCN8A	12	52080991	T	A	201	V	D	0.993	Likely Pathogenic
SCN8A	12	52080991	T	C	201	V	A	0.981	Likely Pathogenic
SCN8A	12	52080991	T	G	201	V	G	0.994	Likely Pathogenic
SCN8A	12	52080993	A	C	202	I	L	0.955	Likely Pathogenic
SCN8A	12	52080993	A	G	202	I	V	0.707	Likely Benign
SCN8A	12	52080993	A	T	202	I	F	0.982	Likely Pathogenic
SCN8A	12	52080994	T	A	202	I	N	0.991	Likely Pathogenic
SCN8A	12	52080994	T	C	202	I	T	0.978	Likely Pathogenic
SCN8A	12	52080994	T	G	202	I	S	0.988	Likely Pathogenic
SCN8A	12	52080995	C	G	202	I	M	0.964	Likely Pathogenic
SCN8A	12	52080996	A	C	203	M	L	0.107	Likely Benign
SCN8A	12	52080996	A	G	203	M	V	0.075	Likely Benign
SCN8A	12	52080996	A	T	203	M	L	0.107	Likely Benign
SCN8A	12	52080997	T	A	203	M	K	0.576	Likely Benign
SCN8A	12	52080997	T	C	203	M	T	0.211	Likely Benign
SCN8A	12	52080997	T	G	203	M	R	0.599	Likely Benign
SCN8A	12	52080998	G	A	203	M	I	0.163	Likely Benign
SCN8A	12	52080998	G	C	203	M	I	0.161	Likely Benign
SCN8A	12	52080998	G	T	203	M	I	0.162	Likely Benign
SCN8A	12	52080999	A	C	204	M	L	0.479	Likely Benign
SCN8A	12	52080999	A	G	204	M	V	0.748	Likely Benign
SCN8A	12	52080999	A	T	204	M	L	0.479	Likely Benign
SCN8A	12	52081000	T	A	204	M	K	0.974	Likely Pathogenic
SCN8A	12	52081000	T	C	204	M	T	0.791	Likely Pathogenic
SCN8A	12	52081000	T	G	204	M	R	0.960	Likely Pathogenic
SCN8A	12	52081001	G	A	204	M	I	0.735	Likely Benign
SCN8A	12	52081001	G	C	204	M	I	0.743	Likely Benign
SCN8A	12	52081001	G	T	204	M	I	0.736	Likely Benign
SCN8A	12	52081002	G	A	205	A	T	0.970	Likely Pathogenic
SCN8A	12	52081002	G	C	205	A	P	0.991	Likely Pathogenic
SCN8A	12	52081002	G	T	205	A	S	0.951	Likely Pathogenic
SCN8A	12	52082543	T	A	206	Y	N	0.968	Likely Pathogenic
SCN8A	12	52082543	T	C	206	Y	H	0.932	Likely Pathogenic
SCN8A	12	52082543	T	G	206	Y	D	0.984	Likely Pathogenic
SCN8A	12	52082544	A	C	206	Y	S	0.952	Likely Pathogenic
SCN8A	12	52082544	A	G	206	Y	C	0.985	Likely Pathogenic
SCN8A	12	52082544	A	T	206	Y	F	0.819	Likely Pathogenic
SCN8A	12	52082546	A	C	207	I	L	0.287	Likely Benign
SCN8A	12	52082546	A	G	207	I	V	0.144	Likely Benign
SCN8A	12	52082546	A	T	207	I	L	0.287	Likely Benign
SCN8A	12	52082547	T	A	207	I	K	0.976	Likely Pathogenic
SCN8A	12	52082547	T	C	207	I	T	0.589	Likely Benign
SCN8A	12	52082547	T	G	207	I	R	0.972	Likely Pathogenic
SCN8A	12	52082548	A	G	207	I	M	0.908	Likely Pathogenic
SCN8A	12	52082549	A	C	208	T	P	0.961	Likely Pathogenic
SCN8A	12	52082549	A	G	208	T	A	0.944	Likely Pathogenic
SCN8A	12	52082549	A	T	208	T	S	0.730	Likely Benign
SCN8A	12	52082550	C	A	208	T	K	0.990	Likely Pathogenic
SCN8A	12	52082550	C	G	208	T	R	0.986	Likely Pathogenic
SCN8A	12	52082550	C	T	208	T	I	0.978	Likely Pathogenic
SCN8A	12	52082552	G	A	209	E	K	0.976	Likely Pathogenic
SCN8A	12	52082552	G	C	209	E	Q	0.978	Likely Pathogenic
SCN8A	12	52082553	A	C	209	E	A	0.834	Likely Pathogenic
SCN8A	12	52082553	A	G	209	E	G	0.958	Likely Pathogenic
SCN8A	12	52082553	A	T	209	E	V	0.930	Likely Pathogenic
SCN8A	12	52082554	G	C	209	E	D	0.914	Likely Pathogenic
SCN8A	12	52082554	G	T	209	E	D	0.912	Likely Pathogenic
SCN8A	12	52082555	T	A	210	F	I	0.928	Likely Pathogenic
SCN8A	12	52082555	T	C	210	F	L	0.849	Likely Pathogenic
SCN8A	12	52082555	T	G	210	F	V	0.826	Likely Pathogenic
SCN8A	12	52082556	T	A	210	F	Y	0.946	Likely Pathogenic
SCN8A	12	52082556	T	C	210	F	S	0.925	Likely Pathogenic
SCN8A	12	52082556	T	G	210	F	C	0.967	Likely Pathogenic
SCN8A	12	52082557	T	A	210	F	L	0.849	Likely Pathogenic
SCN8A	12	52082557	T	G	210	F	L	0.845	Likely Pathogenic
SCN8A	12	52082558	G	A	211	V	I	0.607	Likely Benign
SCN8A	12	52082558	G	C	211	V	L	0.892	Likely Pathogenic
SCN8A	12	52082558	G	T	211	V	L	0.893	Likely Pathogenic
SCN8A	12	52082559	T	A	211	V	E	0.964	Likely Pathogenic
SCN8A	12	52082559	T	C	211	V	A	0.888	Likely Pathogenic
SCN8A	12	52082559	T	G	211	V	G	0.945	Likely Pathogenic
SCN8A	12	52082561	A	C	212	N	H	0.931	Likely Pathogenic
SCN8A	12	52082561	A	G	212	N	D	0.158	Likely Benign
SCN8A	12	52082561	A	T	212	N	Y	0.949	Likely Pathogenic
SCN8A	12	52082562	A	C	212	N	T	0.862	Likely Pathogenic
SCN8A	12	52082562	A	G	212	N	S	0.528	Likely Benign
SCN8A	12	52082562	A	T	212	N	I	0.958	Likely Pathogenic
SCN8A	12	52082563	C	A	212	N	K	0.430	Likely Benign
SCN8A	12	52082563	C	G	212	N	K	0.415	Likely Benign
SCN8A	12	52082564	C	A	213	L	I	0.878	Likely Pathogenic
SCN8A	12	52082564	C	G	213	L	V	0.898	Likely Pathogenic
SCN8A	12	52082565	T	A	213	L	Q	0.978	Likely Pathogenic
SCN8A	12	52082565	T	C	213	L	P	0.974	Likely Pathogenic
SCN8A	12	52082565	T	G	213	L	R	0.974	Likely Pathogenic
SCN8A	12	52082567	G	A	214	G	S	0.958	Likely Pathogenic
SCN8A	12	52082567	G	C	214	G	R	0.901	Likely Pathogenic
SCN8A	12	52082567	G	T	214	G	C	0.991	Likely Pathogenic
SCN8A	12	52082568	G	A	214	G	D	0.969	Likely Pathogenic
SCN8A	12	52082568	G	C	214	G	A	0.970	Likely Pathogenic
SCN8A	12	52082568	G	T	214	G	V	0.975	Likely Pathogenic
SCN8A	12	52082570	A	C	215	N	H	0.982	Likely Pathogenic
SCN8A	12	52082570	A	G	215	N	D	0.963	Likely Pathogenic
SCN8A	12	52082570	A	T	215	N	Y	0.984	Likely Pathogenic
SCN8A	12	52082571	A	C	215	N	T	0.973	Likely Pathogenic
SCN8A	12	52082571	A	G	215	N	S	0.808	Likely Pathogenic
SCN8A	12	52082571	A	T	215	N	I	0.983	Likely Pathogenic
SCN8A	12	52082572	T	A	215	N	K	0.976	Likely Pathogenic
SCN8A	12	52082572	T	G	215	N	K	0.976	Likely Pathogenic
SCN8A	12	52082573	G	A	216	V	I	0.505	Likely Benign
SCN8A	12	52082573	G	C	216	V	L	0.547	Likely Benign
SCN8A	12	52082573	G	T	216	V	F	0.946	Likely Pathogenic
SCN8A	12	52082574	T	A	216	V	D	0.992	Likely Pathogenic
SCN8A	12	52082574	T	C	216	V	A	0.974	Likely Pathogenic
SCN8A	12	52082574	T	G	216	V	G	0.985	Likely Pathogenic
SCN8A	12	52082576	T	A	217	S	T	0.900	Likely Pathogenic
SCN8A	12	52082576	T	C	217	S	P	0.974	Likely Pathogenic
SCN8A	12	52082576	T	G	217	S	A	0.732	Likely Benign
SCN8A	12	52082577	C	T	217	S	L	0.965	Likely Pathogenic
SCN8A	12	52082579	G	A	218	A	T	0.968	Likely Pathogenic
SCN8A	12	52082579	G	C	218	A	P	0.980	Likely Pathogenic
SCN8A	12	52082579	G	T	218	A	S	0.963	Likely Pathogenic
SCN8A	12	52082580	C	A	218	A	D	0.990	Likely Pathogenic
SCN8A	12	52082580	C	G	218	A	G	0.892	Likely Pathogenic
SCN8A	12	52082580	C	T	218	A	V	0.823	Likely Pathogenic
SCN8A	12	52082582	C	A	219	L	I	0.973	Likely Pathogenic
SCN8A	12	52082582	C	G	219	L	V	0.984	Likely Pathogenic
SCN8A	12	52082583	T	A	219	L	Q	0.995	Likely Pathogenic
SCN8A	12	52082583	T	C	219	L	P	0.995	Likely Pathogenic
SCN8A	12	52082583	T	G	219	L	R	0.995	Likely Pathogenic
SCN8A	12	52082585	C	A	220	R	S	0.992	Likely Pathogenic
SCN8A	12	52082585	C	G	220	R	G	0.990	Likely Pathogenic
SCN8A	12	52082585	C	T	220	R	C	0.991	Likely Pathogenic
SCN8A	12	52082586	G	A	220	R	H	0.995	Likely Pathogenic
SCN8A	12	52082586	G	C	220	R	P	0.993	Likely Pathogenic
SCN8A	12	52082586	G	T	220	R	L	0.995	Likely Pathogenic
SCN8A	12	52082588	A	C	221	T	P	0.990	Likely Pathogenic
SCN8A	12	52082588	A	G	221	T	A	0.708	Likely Benign
SCN8A	12	52082588	A	T	221	T	S	0.948	Likely Pathogenic
SCN8A	12	52082589	C	A	221	T	N	0.992	Likely Pathogenic
SCN8A	12	52082589	C	G	221	T	S	0.961	Likely Pathogenic
SCN8A	12	52082589	C	T	221	T	I	0.953	Likely Pathogenic
SCN8A	12	52082591	T	A	222	F	I	0.973	Likely Pathogenic
SCN8A	12	52082591	T	C	222	F	L	0.845	Likely Pathogenic
SCN8A	12	52082591	T	G	222	F	V	0.971	Likely Pathogenic
SCN8A	12	52082592	T	A	222	F	Y	0.994	Likely Pathogenic
SCN8A	12	52082592	T	C	222	F	S	0.991	Likely Pathogenic
SCN8A	12	52082592	T	G	222	F	C	0.991	Likely Pathogenic
SCN8A	12	52082593	C	A	222	F	L	0.817	Likely Pathogenic
SCN8A	12	52082593	C	G	222	F	L	0.812	Likely Pathogenic
SCN8A	12	52082594	A	G	223	R	G	0.995	Likely Pathogenic
SCN8A	12	52082594	A	T	223	R	W	0.995	Likely Pathogenic
SCN8A	12	52082595	G	A	223	R	K	0.989	Likely Pathogenic
SCN8A	12	52082595	G	C	223	R	T	0.994	Likely Pathogenic
SCN8A	12	52082595	G	T	223	R	M	0.995	Likely Pathogenic
SCN8A	12	52082596	G	C	223	R	S	0.994	Likely Pathogenic
SCN8A	12	52082596	G	T	223	R	S	0.995	Likely Pathogenic
SCN8A	12	52082597	G	A	224	V	I	0.962	Likely Pathogenic
SCN8A	12	52082597	G	C	224	V	L	0.960	Likely Pathogenic
SCN8A	12	52082597	G	T	224	V	L	0.960	Likely Pathogenic
SCN8A	12	52082598	T	A	224	V	E	0.995	Likely Pathogenic
SCN8A	12	52082598	T	C	224	V	A	0.971	Likely Pathogenic
SCN8A	12	52082598	T	G	224	V	G	0.992	Likely Pathogenic
SCN8A	12	52082600	C	A	225	L	M	0.985	Likely Pathogenic
SCN8A	12	52082600	C	G	225	L	V	0.990	Likely Pathogenic
SCN8A	12	52082601	T	A	225	L	Q	0.996	Likely Pathogenic
SCN8A	12	52082601	T	C	225	L	P	0.995	Likely Pathogenic
SCN8A	12	52082601	T	G	225	L	R	0.996	Likely Pathogenic
SCN8A	12	52082603	A	G	226	R	G	0.998	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN1A	2	166909381	C	G	225	K	N	0.992	Likely Pathogenic
SCN1A	2	166909380	T	A	226	T	S	0.965	Likely Pathogenic
SCN1A	2	166909380	T	C	226	T	A	0.938	Likely Pathogenic
SCN1A	2	166909380	T	G	226	T	P	0.984	Likely Pathogenic
SCN1A	2	166909379	G	A	226	T	M	0.980	Likely Pathogenic
SCN1A	2	166909379	G	C	226	T	R	0.988	Likely Pathogenic
SCN1A	2	166909379	G	T	226	T	K	0.989	Likely Pathogenic
SCN1A	2	166909377	T	A	227	I	F	0.984	Likely Pathogenic
SCN1A	2	166909377	T	C	227	I	V	0.810	Likely Pathogenic
SCN1A	2	166909377	T	G	227	I	L	0.961	Likely Pathogenic
SCN1A	2	166909376	A	C	227	I	S	0.991	Likely Pathogenic
SCN1A	2	166909376	A	G	227	I	T	0.988	Likely Pathogenic
SCN1A	2	166909376	A	T	227	I	N	0.995	Likely Pathogenic
SCN1A	2	166909375	A	C	227	I	M	0.985	Likely Pathogenic
SCN1A	2	166909374	A	C	228	S	A	0.954	Likely Pathogenic
SCN1A	2	166909374	A	G	228	S	P	0.985	Likely Pathogenic
SCN1A	2	166909374	A	T	228	S	T	0.957	Likely Pathogenic
SCN1A	2	166909373	G	A	228	S	L	0.994	Likely Pathogenic
SCN1A	2	166909371	C	A	229	V	F	0.975	Likely Pathogenic
SCN1A	2	166909371	C	G	229	V	L	0.966	Likely Pathogenic
SCN1A	2	166909371	C	T	229	V	I	0.863	Likely Pathogenic
SCN1A	2	166909370	A	C	229	V	G	0.971	Likely Pathogenic
SCN1A	2	166909370	A	G	229	V	A	0.964	Likely Pathogenic
SCN1A	2	166909370	A	T	229	V	D	0.988	Likely Pathogenic
SCN1A	2	166909368	T	A	230	I	F	0.937	Likely Pathogenic
SCN1A	2	166909368	T	C	230	I	V	0.533	Likely Benign
SCN1A	2	166909368	T	G	230	I	L	0.882	Likely Pathogenic
SCN1A	2	166909367	A	C	230	I	S	0.969	Likely Pathogenic
SCN1A	2	166909367	A	G	230	I	T	0.987	Likely Pathogenic
SCN1A	2	166909367	A	T	230	I	N	0.977	Likely Pathogenic
SCN1A	2	166909366	A	C	230	I	M	0.972	Likely Pathogenic
SCN1A	2	166909365	G	A	231	P	S	0.978	Likely Pathogenic
SCN1A	2	166909365	G	C	231	P	A	0.983	Likely Pathogenic
SCN1A	2	166909365	G	T	231	P	T	0.989	Likely Pathogenic
SCN1A	2	166909364	G	A	231	P	L	0.995	Likely Pathogenic
SCN1A	2	166909364	G	C	231	P	R	0.985	Likely Pathogenic
SCN1A	2	166909364	G	T	231	P	Q	0.984	Likely Pathogenic
SCN1A	2	166909362	C	A	232	G	C	0.995	Likely Pathogenic
SCN1A	2	166909362	C	G	232	G	R	0.979	Likely Pathogenic
SCN1A	2	166909362	C	T	232	G	S	0.952	Likely Pathogenic
SCN1A	2	166908496	G	C	233	L	V	0.985	Likely Pathogenic
SCN1A	2	166908496	G	T	233	L	M	0.923	Likely Pathogenic
SCN1A	2	166908495	A	C	233	L	R	0.995	Likely Pathogenic
SCN1A	2	166908495	A	G	233	L	P	0.996	Likely Pathogenic
SCN1A	2	166908495	A	T	233	L	Q	0.996	Likely Pathogenic
SCN1A	2	166908493	T	C	234	K	E	0.984	Likely Pathogenic
SCN1A	2	166908493	T	G	234	K	Q	0.972	Likely Pathogenic
SCN1A	2	166908492	T	A	234	K	I	0.994	Likely Pathogenic
SCN1A	2	166908492	T	C	234	K	R	0.944	Likely Pathogenic
SCN1A	2	166908492	T	G	234	K	T	0.989	Likely Pathogenic
SCN1A	2	166908491	T	A	234	K	N	0.979	Likely Pathogenic
SCN1A	2	166908491	T	G	234	K	N	0.979	Likely Pathogenic
SCN1A	2	166908490	T	A	235	T	S	0.970	Likely Pathogenic
SCN1A	2	166908490	T	C	235	T	A	0.960	Likely Pathogenic
SCN1A	2	166908490	T	G	235	T	P	0.988	Likely Pathogenic
SCN1A	2	166908489	G	A	235	T	I	0.959	Likely Pathogenic
SCN1A	2	166908489	G	C	235	T	S	0.976	Likely Pathogenic
SCN1A	2	166908489	G	T	235	T	N	0.980	Likely Pathogenic
SCN1A	2	166908487	T	A	236	I	F	0.984	Likely Pathogenic
SCN1A	2	166908487	T	C	236	I	V	0.944	Likely Pathogenic
SCN1A	2	166908487	T	G	236	I	L	0.837	Likely Pathogenic
SCN1A	2	166908486	A	C	236	I	S	0.988	Likely Pathogenic
SCN1A	2	166908486	A	G	236	I	T	0.984	Likely Pathogenic
SCN1A	2	166908486	A	T	236	I	N	0.993	Likely Pathogenic
SCN1A	2	166908485	A	C	236	I	M	0.982	Likely Pathogenic
SCN1A	2	166908484	C	A	237	V	L	0.972	Likely Pathogenic
SCN1A	2	166908484	C	G	237	V	L	0.972	Likely Pathogenic
SCN1A	2	166908484	C	T	237	V	M	0.985	Likely Pathogenic
SCN1A	2	166908483	A	C	237	V	G	0.993	Likely Pathogenic
SCN1A	2	166908483	A	G	237	V	A	0.988	Likely Pathogenic
SCN1A	2	166908483	A	T	237	V	E	0.994	Likely Pathogenic
SCN1A	2	166908481	C	G	238	G	R	0.963	Likely Pathogenic
SCN1A	2	166908481	C	T	238	G	R	0.964	Likely Pathogenic
SCN1A	2	166908480	C	A	238	G	V	0.973	Likely Pathogenic
SCN1A	2	166908480	C	G	238	G	A	0.939	Likely Pathogenic
SCN1A	2	166908480	C	T	238	G	E	0.962	Likely Pathogenic
SCN1A	2	166908478	C	A	239	A	S	0.971	Likely Pathogenic
SCN1A	2	166908478	C	G	239	A	P	0.995	Likely Pathogenic
SCN1A	2	166908478	C	T	239	A	T	0.973	Likely Pathogenic
SCN1A	2	166908477	G	A	239	A	V	0.984	Likely Pathogenic
SCN1A	2	166908477	G	C	239	A	G	0.984	Likely Pathogenic
SCN1A	2	166908477	G	T	239	A	D	0.994	Likely Pathogenic
SCN1A	2	166908475	G	C	240	L	V	0.804	Likely Pathogenic
SCN1A	2	166908475	G	T	240	L	M	0.985	Likely Pathogenic
SCN1A	2	166908474	A	C	240	L	R	0.996	Likely Pathogenic
SCN1A	2	166908474	A	G	240	L	P	0.996	Likely Pathogenic
SCN1A	2	166908474	A	T	240	L	Q	0.995	Likely Pathogenic
SCN1A	2	166908472	T	A	241	I	F	0.962	Likely Pathogenic
SCN1A	2	166908472	T	C	241	I	V	0.945	Likely Pathogenic
SCN1A	2	166908472	T	G	241	I	L	0.911	Likely Pathogenic
SCN1A	2	166908471	A	C	241	I	S	0.988	Likely Pathogenic
SCN1A	2	166908471	A	G	241	I	T	0.988	Likely Pathogenic
SCN1A	2	166908471	A	T	241	I	N	0.993	Likely Pathogenic
SCN1A	2	166908470	G	C	241	I	M	0.966	Likely Pathogenic
SCN1A	2	166908469	G	C	242	Q	E	0.772	Likely Benign
SCN1A	2	166908469	G	T	242	Q	K	0.965	Likely Pathogenic
SCN1A	2	166908468	T	A	242	Q	L	0.979	Likely Pathogenic
SCN1A	2	166908468	T	C	242	Q	R	0.956	Likely Pathogenic
SCN1A	2	166908468	T	G	242	Q	P	0.987	Likely Pathogenic
SCN1A	2	166908467	C	A	242	Q	H	0.953	Likely Pathogenic
SCN1A	2	166908467	C	G	242	Q	H	0.952	Likely Pathogenic
SCN1A	2	166908466	A	C	243	S	A	0.941	Likely Pathogenic
SCN1A	2	166908466	A	G	243	S	P	0.988	Likely Pathogenic
SCN1A	2	166908466	A	T	243	S	T	0.972	Likely Pathogenic
SCN1A	2	166908465	G	A	243	S	F	0.994	Likely Pathogenic
SCN1A	2	166908465	G	C	243	S	C	0.986	Likely Pathogenic
SCN1A	2	166908465	G	T	243	S	Y	0.994	Likely Pathogenic
SCN1A	2	166908463	C	A	244	V	L	0.956	Likely Pathogenic
SCN1A	2	166908463	C	G	244	V	L	0.954	Likely Pathogenic
SCN1A	2	166908463	C	T	244	V	M	0.965	Likely Pathogenic
SCN1A	2	166908462	A	C	244	V	G	0.988	Likely Pathogenic
SCN1A	2	166908462	A	G	244	V	A	0.984	Likely Pathogenic
SCN1A	2	166908462	A	T	244	V	E	0.993	Likely Pathogenic
SCN1A	2	166908460	T	C	245	K	E	0.985	Likely Pathogenic
SCN1A	2	166908460	T	G	245	K	Q	0.967	Likely Pathogenic
SCN1A	2	166908459	T	A	245	K	M	0.983	Likely Pathogenic
SCN1A	2	166908459	T	C	245	K	R	0.799	Likely Pathogenic
SCN1A	2	166908459	T	G	245	K	T	0.985	Likely Pathogenic
SCN1A	2	166908458	C	A	245	K	N	0.970	Likely Pathogenic
SCN1A	2	166908458	C	G	245	K	N	0.968	Likely Pathogenic
SCN1A	2	166908457	T	C	246	K	E	0.971	Likely Pathogenic
SCN1A	2	166908457	T	G	246	K	Q	0.950	Likely Pathogenic
SCN1A	2	166908456	T	A	246	K	M	0.966	Likely Pathogenic
SCN1A	2	166908456	T	C	246	K	R	0.971	Likely Pathogenic
SCN1A	2	166908456	T	G	246	K	T	0.970	Likely Pathogenic
SCN1A	2	166908455	C	A	246	K	N	0.946	Likely Pathogenic
SCN1A	2	166908455	C	G	246	K	N	0.933	Likely Pathogenic
SCN1A	2	166908454	G	A	247	L	F	0.993	Likely Pathogenic
SCN1A	2	166908454	G	C	247	L	V	0.980	Likely Pathogenic
SCN1A	2	166908454	G	T	247	L	I	0.964	Likely Pathogenic
SCN1A	2	166908453	A	C	247	L	R	0.995	Likely Pathogenic
SCN1A	2	166908453	A	G	247	L	P	0.995	Likely Pathogenic
SCN1A	2	166908453	A	T	247	L	H	0.995	Likely Pathogenic
SCN1A	2	166908451	A	C	248	S	A	0.443	Likely Benign
SCN1A	2	166908451	A	G	248	S	P	0.942	Likely Pathogenic
SCN1A	2	166908451	A	T	248	S	T	0.853	Likely Pathogenic
SCN1A	2	166908450	G	A	248	S	L	0.825	Likely Pathogenic
SCN1A	2	166908448	C	A	249	D	Y	0.964	Likely Pathogenic
SCN1A	2	166908448	C	G	249	D	H	0.945	Likely Pathogenic
SCN1A	2	166908448	C	T	249	D	N	0.833	Likely Pathogenic
SCN1A	2	166908447	T	A	249	D	V	0.987	Likely Pathogenic
SCN1A	2	166908447	T	C	249	D	G	0.972	Likely Pathogenic
SCN1A	2	166908447	T	G	249	D	A	0.970	Likely Pathogenic
SCN1A	2	166908446	A	C	249	D	E	0.941	Likely Pathogenic
SCN1A	2	166908446	A	T	249	D	E	0.941	Likely Pathogenic
SCN1A	2	166908445	C	A	250	V	L	0.974	Likely Pathogenic
SCN1A	2	166908445	C	G	250	V	L	0.975	Likely Pathogenic
SCN1A	2	166908445	C	T	250	V	I	0.966	Likely Pathogenic
SCN1A	2	166908444	A	C	250	V	G	0.995	Likely Pathogenic
SCN1A	2	166908444	A	G	250	V	A	0.976	Likely Pathogenic
SCN1A	2	166908444	A	T	250	V	E	0.994	Likely Pathogenic
SCN1A	2	166908442	T	A	251	M	L	0.893	Likely Pathogenic
SCN1A	2	166908442	T	C	251	M	V	0.953	Likely Pathogenic
SCN1A	2	166908442	T	G	251	M	L	0.894	Likely Pathogenic
SCN1A	2	166908441	A	C	251	M	R	0.992	Likely Pathogenic
SCN1A	2	166908441	A	G	251	M	T	0.965	Likely Pathogenic
SCN1A	2	166908441	A	T	251	M	K	0.992	Likely Pathogenic
SCN1A	2	166908440	C	A	251	M	I	0.905	Likely Pathogenic
SCN1A	2	166908440	C	G	251	M	I	0.896	Likely Pathogenic
SCN1A	2	166908440	C	T	251	M	I	0.904	Likely Pathogenic
SCN1A	2	166908439	T	A	252	I	F	0.981	Likely Pathogenic
SCN1A	2	166908439	T	C	252	I	V	0.746	Likely Benign
SCN1A	2	166908439	T	G	252	I	L	0.863	Likely Pathogenic
SCN1A	2	166908438	A	C	252	I	S	0.986	Likely Pathogenic
SCN1A	2	166908438	A	G	252	I	T	0.984	Likely Pathogenic
SCN1A	2	166908438	A	T	252	I	N	0.989	Likely Pathogenic
SCN1A	2	166908437	G	C	252	I	M	0.977	Likely Pathogenic
SCN1A	2	166908436	G	C	253	L	V	0.975	Likely Pathogenic
SCN1A	2	166908436	G	T	253	L	M	0.994	Likely Pathogenic
SCN1A	2	166908435	A	C	253	L	R	0.997	Likely Pathogenic
SCN1A	2	166908435	A	G	253	L	P	0.995	Likely Pathogenic
SCN1A	2	166908435	A	T	253	L	Q	0.997	Likely Pathogenic
SCN1A	2	166908433	T	A	254	T	S	0.983	Likely Pathogenic
SCN1A	2	166908433	T	C	254	T	A	0.978	Likely Pathogenic
SCN1A	2	166908433	T	G	254	T	P	0.993	Likely Pathogenic
SCN1A	2	166908432	G	A	254	T	I	0.970	Likely Pathogenic
SCN1A	2	166908432	G	C	254	T	S	0.985	Likely Pathogenic
SCN1A	2	166908432	G	T	254	T	N	0.991	Likely Pathogenic
SCN1A	2	166908430	C	A	255	V	L	0.297	Likely Benign
SCN1A	2	166908430	C	G	255	V	L	0.278	Likely Benign
SCN1A	2	166908430	C	T	255	V	M	0.708	Likely Benign
SCN1A	2	166908429	A	C	255	V	G	0.954	Likely Pathogenic
SCN1A	2	166908429	A	G	255	V	A	0.860	Likely Pathogenic
SCN1A	2	166908429	A	T	255	V	E	0.986	Likely Pathogenic
SCN1A	2	166908427	A	C	256	F	V	0.985	Likely Pathogenic
SCN1A	2	166908427	A	G	256	F	L	0.971	Likely Pathogenic
SCN1A	2	166908427	A	T	256	F	I	0.973	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN2A	2	166165751	A	T	228	I	F	0.963	Likely Pathogenic
SCN2A	2	166165752	T	A	228	I	N	0.967	Likely Pathogenic
SCN2A	2	166165752	T	C	228	I	T	0.96	Likely Pathogenic
SCN2A	2	166165752	T	G	228	I	S	0.962	Likely Pathogenic
SCN2A	2	166165753	T	G	228	I	M	0.963	Likely Pathogenic
SCN2A	2	166165754	T	A	229	S	T	0.961	Likely Pathogenic
SCN2A	2	166165754	T	C	229	S	P	0.952	Likely Pathogenic
SCN2A	2	166165754	T	G	229	S	A	0.899	Likely Pathogenic
SCN2A	2	166165755	C	A	229	S	Y	0.962	Likely Pathogenic
SCN2A	2	166165755	C	G	229	S	C	0.966	Likely Pathogenic
SCN2A	2	166165755	C	T	229	S	F	0.963	Likely Pathogenic
SCN2A	2	166165757	G	A	230	V	I	0.924	Likely Pathogenic
SCN2A	2	166165757	G	C	230	V	L	0.942	Likely Pathogenic
SCN2A	2	166165757	G	T	230	V	L	0.944	Likely Pathogenic
SCN2A	2	166165758	T	A	230	V	E	0.958	Likely Pathogenic
SCN2A	2	166165758	T	C	230	V	A	0.95	Likely Pathogenic
SCN2A	2	166165758	T	G	230	V	G	0.952	Likely Pathogenic
SCN2A	2	166165760	A	C	231	I	L	0.879	Likely Pathogenic
SCN2A	2	166165760	A	G	231	I	V	0.493	Likely Benign
SCN2A	2	166165760	A	T	231	I	F	0.95	Likely Pathogenic
SCN2A	2	166165761	T	A	231	I	N	0.956	Likely Pathogenic
SCN2A	2	166165761	T	C	231	I	T	0.945	Likely Pathogenic
SCN2A	2	166165761	T	G	231	I	S	0.95	Likely Pathogenic
SCN2A	2	166165762	T	G	231	I	M	0.947	Likely Pathogenic
SCN2A	2	166165763	C	A	232	P	T	0.97	Likely Pathogenic
SCN2A	2	166165763	C	G	232	P	A	0.965	Likely Pathogenic
SCN2A	2	166165763	C	T	232	P	S	0.887	Likely Pathogenic
SCN2A	2	166165764	C	A	232	P	Q	0.966	Likely Pathogenic
SCN2A	2	166165764	C	G	232	P	R	0.961	Likely Pathogenic
SCN2A	2	166165764	C	T	232	P	L	0.966	Likely Pathogenic
SCN2A	2	166166833	G	A	233	G	D	0.989	Likely Pathogenic
SCN2A	2	166166833	G	C	233	G	A	0.985	Likely Pathogenic
SCN2A	2	166166833	G	T	233	G	V	0.993	Likely Pathogenic
SCN2A	2	166166835	C	A	234	L	M	0.877	Likely Pathogenic
SCN2A	2	166166835	C	G	234	L	V	0.974	Likely Pathogenic
SCN2A	2	166166836	T	A	234	L	Q	0.995	Likely Pathogenic
SCN2A	2	166166836	T	C	234	L	P	0.996	Likely Pathogenic
SCN2A	2	166166836	T	G	234	L	R	0.994	Likely Pathogenic
SCN2A	2	166166838	A	C	235	K	Q	0.951	Likely Pathogenic
SCN2A	2	166166838	A	G	235	K	E	0.975	Likely Pathogenic
SCN2A	2	166166839	A	C	235	K	T	0.978	Likely Pathogenic
SCN2A	2	166166839	A	G	235	K	R	0.842	Likely Pathogenic
SCN2A	2	166166839	A	T	235	K	M	0.991	Likely Pathogenic
SCN2A	2	166166840	G	C	235	K	N	0.965	Likely Pathogenic
SCN2A	2	166166840	G	T	235	K	N	0.965	Likely Pathogenic
SCN2A	2	166166841	A	C	236	T	P	0.98	Likely Pathogenic
SCN2A	2	166166841	A	G	236	T	A	0.943	Likely Pathogenic
SCN2A	2	166166841	A	T	236	T	S	0.946	Likely Pathogenic
SCN2A	2	166166842	C	A	236	T	N	0.96	Likely Pathogenic
SCN2A	2	166166842	C	G	236	T	S	0.953	Likely Pathogenic
SCN2A	2	166166842	C	T	236	T	I	0.896	Likely Pathogenic
SCN2A	2	166166844	A	C	237	I	L	0.627	Likely Benign
SCN2A	2	166166844	A	G	237	I	V	0.754	Likely Benign
SCN2A	2	166166844	A	T	237	I	F	0.98	Likely Pathogenic
SCN2A	2	166166845	T	A	237	I	N	0.989	Likely Pathogenic
SCN2A	2	166166845	T	C	237	I	T	0.962	Likely Pathogenic
SCN2A	2	166166845	T	G	237	I	S	0.982	Likely Pathogenic
SCN2A	2	166166846	T	G	237	I	M	0.928	Likely Pathogenic
SCN2A	2	166166847	G	A	238	V	M	0.982	Likely Pathogenic
SCN2A	2	166166847	G	C	238	V	L	0.941	Likely Pathogenic
SCN2A	2	166166847	G	T	238	V	L	0.926	Likely Pathogenic
SCN2A	2	166166848	T	A	238	V	E	0.992	Likely Pathogenic
SCN2A	2	166166848	T	C	238	V	A	0.974	Likely Pathogenic
SCN2A	2	166166848	T	G	238	V	G	0.989	Likely Pathogenic
SCN2A	2	166166850	G	A	239	G	R	0.932	Likely Pathogenic
SCN2A	2	166166850	G	C	239	G	R	0.932	Likely Pathogenic
SCN2A	2	166166850	G	T	239	G	W	0.957	Likely Pathogenic
SCN2A	2	166166851	G	A	239	G	E	0.948	Likely Pathogenic
SCN2A	2	166166851	G	C	239	G	A	0.915	Likely Pathogenic
SCN2A	2	166166851	G	T	239	G	V	0.963	Likely Pathogenic
SCN2A	2	166166853	G	A	240	A	T	0.958	Likely Pathogenic
SCN2A	2	166166853	G	C	240	A	P	0.993	Likely Pathogenic
SCN2A	2	166166853	G	T	240	A	S	0.944	Likely Pathogenic
SCN2A	2	166166854	C	A	240	A	D	0.993	Likely Pathogenic
SCN2A	2	166166854	C	G	240	A	G	0.976	Likely Pathogenic
SCN2A	2	166166854	C	T	240	A	V	0.979	Likely Pathogenic
SCN2A	2	166166856	C	A	241	L	M	0.961	Likely Pathogenic
SCN2A	2	166166856	C	G	241	L	V	0.803	Likely Pathogenic
SCN2A	2	166166857	T	A	241	L	Q	0.993	Likely Pathogenic
SCN2A	2	166166857	T	C	241	L	P	0.996	Likely Pathogenic
SCN2A	2	166166857	T	G	241	L	R	0.995	Likely Pathogenic
SCN2A	2	166166859	A	C	242	I	L	0.719	Likely Benign
SCN2A	2	166166859	A	G	242	I	V	0.749	Likely Benign
SCN2A	2	166166859	A	T	242	I	F	0.911	Likely Pathogenic
SCN2A	2	166166860	T	A	242	I	N	0.987	Likely Pathogenic
SCN2A	2	166166860	T	C	242	I	T	0.971	Likely Pathogenic
SCN2A	2	166166860	T	G	242	I	S	0.975	Likely Pathogenic
SCN2A	2	166166861	C	G	242	I	M	0.92	Likely Pathogenic
SCN2A	2	166166862	C	A	243	Q	K	0.913	Likely Pathogenic
SCN2A	2	166166862	C	G	243	Q	E	0.561	Likely Benign
SCN2A	2	166166863	A	C	243	Q	P	0.981	Likely Pathogenic
SCN2A	2	166166863	A	G	243	Q	R	0.852	Likely Pathogenic
SCN2A	2	166166863	A	T	243	Q	L	0.969	Likely Pathogenic
SCN2A	2	166166864	G	C	243	Q	H	0.817	Likely Pathogenic
SCN2A	2	166166864	G	T	243	Q	H	0.82	Likely Pathogenic
SCN2A	2	166166865	T	A	244	S	T	0.908	Likely Pathogenic
SCN2A	2	166166865	T	C	244	S	P	0.971	Likely Pathogenic
SCN2A	2	166166865	T	G	244	S	A	0.811	Likely Pathogenic
SCN2A	2	166166866	C	T	244	S	L	0.969	Likely Pathogenic
SCN2A	2	166166868	G	A	245	V	M	0.932	Likely Pathogenic
SCN2A	2	166166868	G	C	245	V	L	0.881	Likely Pathogenic
SCN2A	2	166166868	G	T	245	V	L	0.881	Likely Pathogenic
SCN2A	2	166166869	T	A	245	V	E	0.99	Likely Pathogenic
SCN2A	2	166166869	T	C	245	V	A	0.953	Likely Pathogenic
SCN2A	2	166166869	T	G	245	V	G	0.976	Likely Pathogenic
SCN2A	2	166166871	A	C	246	K	Q	0.911	Likely Pathogenic
SCN2A	2	166166871	A	G	246	K	E	0.969	Likely Pathogenic
SCN2A	2	166166872	A	C	246	K	T	0.975	Likely Pathogenic
SCN2A	2	166166872	A	G	246	K	R	0.466	Likely Benign
SCN2A	2	166166872	A	T	246	K	M	0.98	Likely Pathogenic
SCN2A	2	166166873	G	C	246	K	N	0.97	Likely Pathogenic
SCN2A	2	166166873	G	T	246	K	N	0.97	Likely Pathogenic
SCN2A	2	166166874	A	C	247	K	Q	0.913	Likely Pathogenic
SCN2A	2	166166874	A	G	247	K	E	0.941	Likely Pathogenic
SCN2A	2	166166875	A	C	247	K	T	0.951	Likely Pathogenic
SCN2A	2	166166875	A	G	247	K	R	0.905	Likely Pathogenic
SCN2A	2	166166875	A	T	247	K	M	0.936	Likely Pathogenic
SCN2A	2	166166876	G	C	247	K	N	0.695	Likely Benign
SCN2A	2	166166876	G	T	247	K	N	0.697	Likely Benign
SCN2A	2	166166877	C	A	248	L	I	0.932	Likely Pathogenic
SCN2A	2	166166877	C	G	248	L	V	0.958	Likely Pathogenic
SCN2A	2	166166877	C	T	248	L	F	0.989	Likely Pathogenic
SCN2A	2	166166878	T	A	248	L	H	0.993	Likely Pathogenic
SCN2A	2	166166878	T	C	248	L	P	0.995	Likely Pathogenic
SCN2A	2	166166878	T	G	248	L	R	0.993	Likely Pathogenic
SCN2A	2	166166880	T	A	249	S	T	0.645	Likely Benign
SCN2A	2	166166880	T	C	249	S	P	0.741	Likely Benign
SCN2A	2	166166880	T	G	249	S	A	0.27	Likely Benign
SCN2A	2	166166881	C	A	249	S	Y	0.911	Likely Pathogenic
SCN2A	2	166166881	C	G	249	S	C	0.792	Likely Pathogenic
SCN2A	2	166166881	C	T	249	S	F	0.601	Likely Benign
SCN2A	2	166166883	G	A	250	D	N	0.728	Likely Benign
SCN2A	2	166166883	G	C	250	D	H	0.912	Likely Pathogenic
SCN2A	2	166166883	G	T	250	D	Y	0.914	Likely Pathogenic
SCN2A	2	166166884	A	C	250	D	A	0.949	Likely Pathogenic
SCN2A	2	166166884	A	G	250	D	G	0.949	Likely Pathogenic
SCN2A	2	166166884	A	T	250	D	V	0.982	Likely Pathogenic
SCN2A	2	166166885	T	A	250	D	E	0.927	Likely Pathogenic
SCN2A	2	166166885	T	G	250	D	E	0.926	Likely Pathogenic
SCN2A	2	166166886	G	A	251	V	I	0.905	Likely Pathogenic
SCN2A	2	166166886	G	C	251	V	L	0.939	Likely Pathogenic
SCN2A	2	166166886	G	T	251	V	F	0.981	Likely Pathogenic
SCN2A	2	166166887	T	A	251	V	D	0.994	Likely Pathogenic
SCN2A	2	166166887	T	C	251	V	A	0.934	Likely Pathogenic
SCN2A	2	166166887	T	G	251	V	G	0.994	Likely Pathogenic
SCN2A	2	166166889	A	C	252	M	L	0.613	Likely Benign
SCN2A	2	166166889	A	G	252	M	V	0.876	Likely Pathogenic
SCN2A	2	166166889	A	T	252	M	L	0.613	Likely Benign
SCN2A	2	166166890	T	A	252	M	K	0.988	Likely Pathogenic
SCN2A	2	166166890	T	C	252	M	T	0.877	Likely Pathogenic
SCN2A	2	166166890	T	G	252	M	R	0.988	Likely Pathogenic
SCN2A	2	166166891	G	A	252	M	I	0.772	Likely Benign
SCN2A	2	166166891	G	C	252	M	I	0.769	Likely Benign
SCN2A	2	166166891	G	T	252	M	I	0.769	Likely Benign
SCN2A	2	166166892	A	C	253	I	L	0.585	Likely Benign
SCN2A	2	166166892	A	G	253	I	V	0.456	Likely Benign
SCN2A	2	166166892	A	T	253	I	F	0.972	Likely Pathogenic
SCN2A	2	166166893	T	A	253	I	N	0.986	Likely Pathogenic
SCN2A	2	166166893	T	C	253	I	T	0.96	Likely Pathogenic
SCN2A	2	166166893	T	G	253	I	S	0.983	Likely Pathogenic
SCN2A	2	166166894	C	G	253	I	M	0.955	Likely Pathogenic
SCN2A	2	166166895	T	A	254	L	M	0.992	Likely Pathogenic
SCN2A	2	166166895	T	G	254	L	V	0.919	Likely Pathogenic
SCN2A	2	166166896	T	C	254	L	S	0.994	Likely Pathogenic
SCN2A	2	166166896	T	G	254	L	W	0.996	Likely Pathogenic
SCN2A	2	166166897	G	C	254	L	F	0.97	Likely Pathogenic
SCN2A	2	166166897	G	T	254	L	F	0.97	Likely Pathogenic
SCN2A	2	166166898	A	C	255	T	P	0.991	Likely Pathogenic
SCN2A	2	166166898	A	G	255	T	A	0.961	Likely Pathogenic
SCN2A	2	166166898	A	T	255	T	S	0.961	Likely Pathogenic
SCN2A	2	166166899	C	A	255	T	N	0.988	Likely Pathogenic
SCN2A	2	166166899	C	G	255	T	S	0.971	Likely Pathogenic
SCN2A	2	166166899	C	T	255	T	I	0.961	Likely Pathogenic
SCN2A	2	166166901	G	A	256	V	M	0.807	Likely Pathogenic
SCN2A	2	166166901	G	C	256	V	L	0.546	Likely Benign
SCN2A	2	166166901	G	T	256	V	L	0.548	Likely Benign
SCN2A	2	166166902	T	A	256	V	E	0.982	Likely Pathogenic
SCN2A	2	166166902	T	C	256	V	A	0.63	Likely Benign
SCN2A	2	166166902	T	G	256	V	G	0.939	Likely Pathogenic
SCN2A	2	166166904	T	A	257	F	I	0.923	Likely Pathogenic
SCN2A	2	166166904	T	C	257	F	L	0.939	Likely Pathogenic
SCN2A	2	166166904	T	G	257	F	V	0.966	Likely Pathogenic
SCN2A	2	166166905	T	A	257	F	Y	0.973	Likely Pathogenic
SCN2A	2	166166905	T	C	257	F	S	0.989	Likely Pathogenic
SCN2A	2	166166905	T	G	257	F	C	0.991	Likely Pathogenic
SCN2A	2	166166906	C	A	257	F	L	0.886	Likely Pathogenic
SCN2A	2	166166906	C	G	257	F	L	0.883	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN8A	12	52082603	A	T	226	R	W	0.998	Likely Pathogenic
SCN8A	12	52082604	G	A	226	R	K	0.996	Likely Pathogenic
SCN8A	12	52082604	G	C	226	R	T	0.997	Likely Pathogenic
SCN8A	12	52082604	G	T	226	R	M	0.997	Likely Pathogenic
SCN8A	12	52082605	G	C	226	R	S	0.997	Likely Pathogenic
SCN8A	12	52082605	G	T	226	R	S	0.997	Likely Pathogenic
SCN8A	12	52082606	G	A	227	A	T	0.981	Likely Pathogenic
SCN8A	12	52082606	G	C	227	A	P	0.943	Likely Pathogenic
SCN8A	12	52082606	G	T	227	A	S	0.981	Likely Pathogenic
SCN8A	12	52082607	C	A	227	A	D	0.991	Likely Pathogenic
SCN8A	12	52082607	C	G	227	A	G	0.989	Likely Pathogenic
SCN8A	12	52082607	C	T	227	A	V	0.947	Likely Pathogenic
SCN8A	12	52082609	T	A	228	L	M	0.993	Likely Pathogenic
SCN8A	12	52082609	T	G	228	L	V	0.989	Likely Pathogenic
SCN8A	12	52082610	T	C	228	L	S	0.996	Likely Pathogenic
SCN8A	12	52082610	T	G	228	L	W	0.996	Likely Pathogenic
SCN8A	12	52082611	G	C	228	L	F	0.978	Likely Pathogenic
SCN8A	12	52082611	G	T	228	L	F	0.979	Likely Pathogenic
SCN8A	12	52082612	A	C	229	K	Q	0.986	Likely Pathogenic
SCN8A	12	52082612	A	G	229	K	E	0.991	Likely Pathogenic
SCN8A	12	52082613	A	C	229	K	T	0.986	Likely Pathogenic
SCN8A	12	52082613	A	G	229	K	R	0.780	Likely Benign
SCN8A	12	52082613	A	T	229	K	I	0.991	Likely Pathogenic
SCN8A	12	52082614	A	C	229	K	N	0.989	Likely Pathogenic
SCN8A	12	52082614	A	T	229	K	N	0.989	Likely Pathogenic
SCN8A	12	52082615	A	C	230	T	P	0.982	Likely Pathogenic
SCN8A	12	52082615	A	G	230	T	A	0.868	Likely Pathogenic
SCN8A	12	52082615	A	T	230	T	S	0.970	Likely Pathogenic
SCN8A	12	52082616	C	A	230	T	N	0.987	Likely Pathogenic
SCN8A	12	52082616	C	G	230	T	S	0.974	Likely Pathogenic
SCN8A	12	52082616	C	T	230	T	I	0.968	Likely Pathogenic
SCN8A	12	52082618	A	C	231	I	L	0.855	Likely Pathogenic
SCN8A	12	52082618	A	G	231	I	V	0.649	Likely Benign
SCN8A	12	52082618	A	T	231	I	F	0.982	Likely Pathogenic
SCN8A	12	52082619	T	A	231	I	N	0.991	Likely Pathogenic
SCN8A	12	52082619	T	C	231	I	T	0.982	Likely Pathogenic
SCN8A	12	52082619	T	G	231	I	S	0.984	Likely Pathogenic
SCN8A	12	52082620	T	G	231	I	M	0.976	Likely Pathogenic
SCN8A	12	52082621	T	A	232	S	T	0.944	Likely Pathogenic
SCN8A	12	52082621	T	C	232	S	P	0.976	Likely Pathogenic
SCN8A	12	52082621	T	G	232	S	A	0.915	Likely Pathogenic
SCN8A	12	52082622	C	G	232	S	W	0.993	Likely Pathogenic
SCN8A	12	52082622	C	T	232	S	L	0.993	Likely Pathogenic
SCN8A	12	52082624	G	A	233	V	I	0.699	Likely Benign
SCN8A	12	52082624	G	C	233	V	L	0.961	Likely Pathogenic
SCN8A	12	52082624	G	T	233	V	L	0.961	Likely Pathogenic
SCN8A	12	52082625	T	A	233	V	E	0.987	Likely Pathogenic
SCN8A	12	52082625	T	C	233	V	A	0.936	Likely Pathogenic
SCN8A	12	52082625	T	G	233	V	G	0.954	Likely Pathogenic
SCN8A	12	52082627	A	C	234	I	L	0.929	Likely Pathogenic
SCN8A	12	52082627	A	G	234	I	V	0.511	Likely Benign
SCN8A	12	52082627	A	T	234	I	F	0.958	Likely Pathogenic
SCN8A	12	52082628	T	A	234	I	N	0.967	Likely Pathogenic
SCN8A	12	52082628	T	C	234	I	T	0.976	Likely Pathogenic
SCN8A	12	52082628	T	G	234	I	S	0.958	Likely Pathogenic
SCN8A	12	52082629	C	G	234	I	M	0.961	Likely Pathogenic
SCN8A	12	52082630	C	A	235	P	T	0.988	Likely Pathogenic
SCN8A	12	52082630	C	G	235	P	A	0.981	Likely Pathogenic
SCN8A	12	52082630	C	T	235	P	S	0.938	Likely Pathogenic
SCN8A	12	52082631	C	A	235	P	Q	0.974	Likely Pathogenic
SCN8A	12	52082631	C	G	235	P	R	0.969	Likely Pathogenic
SCN8A	12	52082631	C	T	235	P	L	0.993	Likely Pathogenic
SCN8A	12	52093354	G	A	236	G	D	0.991	Likely Pathogenic
SCN8A	12	52093354	G	C	236	G	A	0.988	Likely Pathogenic
SCN8A	12	52093354	G	T	236	G	V	0.994	Likely Pathogenic
SCN8A	12	52093356	C	A	237	L	M	0.939	Likely Pathogenic
SCN8A	12	52093356	C	G	237	L	V	0.985	Likely Pathogenic
SCN8A	12	52093357	T	A	237	L	Q	0.995	Likely Pathogenic
SCN8A	12	52093357	T	C	237	L	P	0.996	Likely Pathogenic
SCN8A	12	52093357	T	G	237	L	R	0.995	Likely Pathogenic
SCN8A	12	52093359	A	C	238	K	Q	0.969	Likely Pathogenic
SCN8A	12	52093359	A	G	238	K	E	0.992	Likely Pathogenic
SCN8A	12	52093360	A	C	238	K	T	0.991	Likely Pathogenic
SCN8A	12	52093360	A	G	238	K	R	0.846	Likely Pathogenic
SCN8A	12	52093360	A	T	238	K	M	0.994	Likely Pathogenic
SCN8A	12	52093361	G	C	238	K	N	0.982	Likely Pathogenic
SCN8A	12	52093361	G	T	238	K	N	0.982	Likely Pathogenic
SCN8A	12	52093362	A	C	239	T	P	0.986	Likely Pathogenic
SCN8A	12	52093362	A	G	239	T	A	0.944	Likely Pathogenic
SCN8A	12	52093362	A	T	239	T	S	0.968	Likely Pathogenic
SCN8A	12	52093363	C	A	239	T	K	0.960	Likely Pathogenic
SCN8A	12	52093363	C	G	239	T	R	0.969	Likely Pathogenic
SCN8A	12	52093363	C	T	239	T	I	0.953	Likely Pathogenic
SCN8A	12	52093365	A	C	240	I	L	0.859	Likely Pathogenic
SCN8A	12	52093365	A	G	240	I	V	0.754	Likely Benign
SCN8A	12	52093365	A	T	240	I	F	0.983	Likely Pathogenic
SCN8A	12	52093366	T	A	240	I	N	0.993	Likely Pathogenic
SCN8A	12	52093366	T	C	240	I	T	0.986	Likely Pathogenic
SCN8A	12	52093366	T	G	240	I	S	0.987	Likely Pathogenic
SCN8A	12	52093367	T	G	240	I	M	0.950	Likely Pathogenic
SCN8A	12	52093368	G	A	241	V	M	0.985	Likely Pathogenic
SCN8A	12	52093368	G	C	241	V	L	0.967	Likely Pathogenic
SCN8A	12	52093368	G	T	241	V	L	0.965	Likely Pathogenic
SCN8A	12	52093369	T	A	241	V	E	0.995	Likely Pathogenic
SCN8A	12	52093369	T	C	241	V	A	0.989	Likely Pathogenic
SCN8A	12	52093369	T	G	241	V	G	0.990	Likely Pathogenic
SCN8A	12	52093371	G	A	242	G	S	0.959	Likely Pathogenic
SCN8A	12	52093371	G	C	242	G	R	0.967	Likely Pathogenic
SCN8A	12	52093371	G	T	242	G	C	0.985	Likely Pathogenic
SCN8A	12	52093372	G	A	242	G	D	0.968	Likely Pathogenic
SCN8A	12	52093372	G	C	242	G	A	0.960	Likely Pathogenic
SCN8A	12	52093372	G	T	242	G	V	0.971	Likely Pathogenic
SCN8A	12	52093374	G	A	243	A	T	0.971	Likely Pathogenic
SCN8A	12	52093374	G	C	243	A	P	0.995	Likely Pathogenic
SCN8A	12	52093374	G	T	243	A	S	0.966	Likely Pathogenic
SCN8A	12	52093375	C	A	243	A	D	0.994	Likely Pathogenic
SCN8A	12	52093375	C	G	243	A	G	0.982	Likely Pathogenic
SCN8A	12	52093375	C	T	243	A	V	0.982	Likely Pathogenic
SCN8A	12	52093377	C	A	244	L	M	0.984	Likely Pathogenic
SCN8A	12	52093377	C	G	244	L	V	0.889	Likely Pathogenic
SCN8A	12	52093378	T	A	244	L	Q	0.995	Likely Pathogenic
SCN8A	12	52093378	T	C	244	L	P	0.996	Likely Pathogenic
SCN8A	12	52093378	T	G	244	L	R	0.996	Likely Pathogenic
SCN8A	12	52093380	A	C	245	I	L	0.890	Likely Pathogenic
SCN8A	12	52093380	A	G	245	I	V	0.936	Likely Pathogenic
SCN8A	12	52093380	A	T	245	I	F	0.968	Likely Pathogenic
SCN8A	12	52093381	T	A	245	I	N	0.993	Likely Pathogenic
SCN8A	12	52093381	T	C	245	I	T	0.989	Likely Pathogenic
SCN8A	12	52093381	T	G	245	I	S	0.988	Likely Pathogenic
SCN8A	12	52093382	T	G	245	I	M	0.953	Likely Pathogenic
SCN8A	12	52093383	C	A	246	Q	K	0.882	Likely Pathogenic
SCN8A	12	52093383	C	G	246	Q	E	0.674	Likely Benign
SCN8A	12	52093384	A	C	246	Q	P	0.985	Likely Pathogenic
SCN8A	12	52093384	A	G	246	Q	R	0.928	Likely Pathogenic
SCN8A	12	52093384	A	T	246	Q	L	0.979	Likely Pathogenic
SCN8A	12	52093385	G	C	246	Q	H	0.884	Likely Pathogenic
SCN8A	12	52093385	G	T	246	Q	H	0.886	Likely Pathogenic
SCN8A	12	52093386	T	A	247	S	T	0.964	Likely Pathogenic
SCN8A	12	52093386	T	C	247	S	P	0.991	Likely Pathogenic
SCN8A	12	52093386	T	G	247	S	A	0.943	Likely Pathogenic
SCN8A	12	52093387	C	A	247	S	Y	0.994	Likely Pathogenic
SCN8A	12	52093387	C	G	247	S	C	0.985	Likely Pathogenic
SCN8A	12	52093387	C	T	247	S	F	0.994	Likely Pathogenic
SCN8A	12	52093389	G	A	248	V	M	0.967	Likely Pathogenic
SCN8A	12	52093389	G	C	248	V	L	0.954	Likely Pathogenic
SCN8A	12	52093389	G	T	248	V	L	0.952	Likely Pathogenic
SCN8A	12	52093390	T	A	248	V	E	0.993	Likely Pathogenic
SCN8A	12	52093390	T	C	248	V	A	0.986	Likely Pathogenic
SCN8A	12	52093390	T	G	248	V	G	0.991	Likely Pathogenic
SCN8A	12	52093392	A	C	249	K	Q	0.960	Likely Pathogenic
SCN8A	12	52093392	A	G	249	K	E	0.989	Likely Pathogenic
SCN8A	12	52093393	A	C	249	K	T	0.985	Likely Pathogenic
SCN8A	12	52093393	A	G	249	K	R	0.699	Likely Benign
SCN8A	12	52093393	A	T	249	K	M	0.986	Likely Pathogenic
SCN8A	12	52093394	G	C	249	K	N	0.954	Likely Pathogenic
SCN8A	12	52093394	G	T	249	K	N	0.952	Likely Pathogenic
SCN8A	12	52093395	A	C	250	K	Q	0.847	Likely Pathogenic
SCN8A	12	52093395	A	G	250	K	E	0.951	Likely Pathogenic
SCN8A	12	52093396	A	C	250	K	T	0.943	Likely Pathogenic
SCN8A	12	52093396	A	G	250	K	R	0.932	Likely Pathogenic
SCN8A	12	52093396	A	T	250	K	I	0.988	Likely Pathogenic
SCN8A	12	52093397	A	C	250	K	N	0.844	Likely Pathogenic
SCN8A	12	52093397	A	T	250	K	N	0.843	Likely Pathogenic
SCN8A	12	52093398	C	A	251	L	M	0.954	Likely Pathogenic
SCN8A	12	52093398	C	G	251	L	V	0.968	Likely Pathogenic
SCN8A	12	52093399	T	A	251	L	Q	0.996	Likely Pathogenic
SCN8A	12	52093399	T	C	251	L	P	0.996	Likely Pathogenic
SCN8A	12	52093399	T	G	251	L	R	0.995	Likely Pathogenic
SCN8A	12	52093401	T	A	252	S	T	0.856	Likely Pathogenic
SCN8A	12	52093401	T	C	252	S	P	0.923	Likely Pathogenic
SCN8A	12	52093401	T	G	252	S	A	0.497	Likely Benign
SCN8A	12	52093402	C	T	252	S	L	0.828	Likely Pathogenic
SCN8A	12	52093404	G	A	253	D	N	0.763	Likely Benign
SCN8A	12	52093404	G	C	253	D	H	0.957	Likely Pathogenic
SCN8A	12	52093404	G	T	253	D	Y	0.934	Likely Pathogenic
SCN8A	12	52093405	A	C	253	D	A	0.973	Likely Pathogenic
SCN8A	12	52093405	A	G	253	D	G	0.974	Likely Pathogenic
SCN8A	12	52093405	A	T	253	D	V	0.986	Likely Pathogenic
SCN8A	12	52093406	T	A	253	D	E	0.973	Likely Pathogenic
SCN8A	12	52093406	T	G	253	D	E	0.973	Likely Pathogenic
SCN8A	12	52093407	G	A	254	V	M	0.989	Likely Pathogenic
SCN8A	12	52093407	G	C	254	V	L	0.970	Likely Pathogenic
SCN8A	12	52093407	G	T	254	V	L	0.969	Likely Pathogenic
SCN8A	12	52093408	T	A	254	V	E	0.995	Likely Pathogenic
SCN8A	12	52093408	T	C	254	V	A	0.979	Likely Pathogenic
SCN8A	12	52093408	T	G	254	V	G	0.996	Likely Pathogenic
SCN8A	12	52093410	A	C	255	M	L	0.713	Likely Benign
SCN8A	12	52093410	A	G	255	M	V	0.930	Likely Pathogenic
SCN8A	12	52093410	A	T	255	M	L	0.713	Likely Benign
SCN8A	12	52093411	T	A	255	M	K	0.991	Likely Pathogenic
SCN8A	12	52093411	T	C	255	M	T	0.959	Likely Pathogenic
SCN8A	12	52093411	T	G	255	M	R	0.992	Likely Pathogenic
SCN8A	12	52093412	G	A	255	M	I	0.751	Likely Benign
SCN8A	12	52093412	G	C	255	M	I	0.747	Likely Benign
SCN8A	12	52093412	G	T	255	M	I	0.751	Likely Benign
SCN8A	12	52093413	A	C	256	I	L	0.853	Likely Pathogenic
SCN8A	12	52093413	A	G	256	I	V	0.685	Likely Benign

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN1A	2	166908426	A	C	256	F	C	0.994	Likely Pathogenic
SCN1A	2	166908426	A	G	256	F	S	0.992	Likely Pathogenic
SCN1A	2	166908426	A	T	256	F	Y	0.988	Likely Pathogenic
SCN1A	2	166908425	G	C	256	F	L	0.898	Likely Pathogenic
SCN1A	2	166908425	G	T	256	F	L	0.899	Likely Pathogenic
SCN1A	2	166908424	A	C	257	C	G	0.980	Likely Pathogenic
SCN1A	2	166908424	A	G	257	C	R	0.991	Likely Pathogenic
SCN1A	2	166908424	A	T	257	C	S	0.929	Likely Pathogenic
SCN1A	2	166908423	C	A	257	C	F	0.962	Likely Pathogenic
SCN1A	2	166908423	C	G	257	C	S	0.929	Likely Pathogenic
SCN1A	2	166908423	C	T	257	C	Y	0.985	Likely Pathogenic
SCN1A	2	166908422	A	C	257	C	W	0.991	Likely Pathogenic
SCN1A	2	166908421	G	C	258	L	V	0.922	Likely Pathogenic
SCN1A	2	166908421	G	T	258	L	M	0.947	Likely Pathogenic
SCN1A	2	166908420	A	C	258	L	R	0.993	Likely Pathogenic
SCN1A	2	166908420	A	G	258	L	P	0.994	Likely Pathogenic
SCN1A	2	166908420	A	T	258	L	Q	0.977	Likely Pathogenic
SCN1A	2	166908418	T	A	259	S	C	0.978	Likely Pathogenic
SCN1A	2	166908418	T	C	259	S	G	0.979	Likely Pathogenic
SCN1A	2	166908418	T	G	259	S	R	0.987	Likely Pathogenic
SCN1A	2	166908417	C	A	259	S	I	0.965	Likely Pathogenic
SCN1A	2	166908417	C	G	259	S	T	0.973	Likely Pathogenic
SCN1A	2	166908417	C	T	259	S	N	0.991	Likely Pathogenic
SCN1A	2	166908416	G	C	259	S	R	0.989	Likely Pathogenic
SCN1A	2	166908416	G	T	259	S	R	0.989	Likely Pathogenic
SCN1A	2	166908415	C	A	260	V	L	0.977	Likely Pathogenic
SCN1A	2	166908415	C	G	260	V	L	0.977	Likely Pathogenic
SCN1A	2	166908415	C	T	260	V	I	0.832	Likely Pathogenic
SCN1A	2	166908414	A	C	260	V	G	0.991	Likely Pathogenic
SCN1A	2	166908414	A	G	260	V	A	0.988	Likely Pathogenic
SCN1A	2	166908414	A	T	260	V	E	0.994	Likely Pathogenic
SCN1A	2	166908412	A	C	261	F	V	0.995	Likely Pathogenic
SCN1A	2	166908412	A	G	261	F	L	0.992	Likely Pathogenic
SCN1A	2	166908412	A	T	261	F	I	0.992	Likely Pathogenic
SCN1A	2	166908411	A	C	261	F	C	0.995	Likely Pathogenic
SCN1A	2	166908411	A	G	261	F	S	0.994	Likely Pathogenic
SCN1A	2	166908411	A	T	261	F	Y	0.981	Likely Pathogenic
SCN1A	2	166908410	A	C	261	F	L	0.992	Likely Pathogenic
SCN1A	2	166908410	A	T	261	F	L	0.992	Likely Pathogenic
SCN1A	2	166908409	C	A	262	A	S	0.963	Likely Pathogenic
SCN1A	2	166908409	C	G	262	A	P	0.992	Likely Pathogenic
SCN1A	2	166908409	C	T	262	A	T	0.980	Likely Pathogenic
SCN1A	2	166908408	G	A	262	A	V	0.994	Likely Pathogenic
SCN1A	2	166908408	G	C	262	A	G	0.968	Likely Pathogenic
SCN1A	2	166908408	G	T	262	A	D	0.994	Likely Pathogenic
SCN1A	2	166908406	G	C	263	L	V	0.937	Likely Pathogenic
SCN1A	2	166908406	G	T	263	L	I	0.945	Likely Pathogenic
SCN1A	2	166908405	A	C	263	L	R	0.993	Likely Pathogenic
SCN1A	2	166908405	A	G	263	L	P	0.993	Likely Pathogenic
SCN1A	2	166908405	A	T	263	L	Q	0.989	Likely Pathogenic
SCN1A	2	166908403	T	A	264	I	F	0.972	Likely Pathogenic
SCN1A	2	166908403	T	C	264	I	V	0.693	Likely Benign
SCN1A	2	166908403	T	G	264	I	L	0.951	Likely Pathogenic
SCN1A	2	166908402	A	C	264	I	S	0.989	Likely Pathogenic
SCN1A	2	166908402	A	G	264	I	T	0.984	Likely Pathogenic
SCN1A	2	166908402	A	T	264	I	N	0.994	Likely Pathogenic
SCN1A	2	166908401	A	C	264	I	M	0.672	Likely Benign
SCN1A	2	166908400	C	A	265	G	W	0.993	Likely Pathogenic
SCN1A	2	166908400	C	G	265	G	R	0.991	Likely Pathogenic
SCN1A	2	166908400	C	T	265	G	R	0.991	Likely Pathogenic
SCN1A	2	166908399	C	A	265	G	V	0.990	Likely Pathogenic
SCN1A	2	166908399	C	G	265	G	A	0.908	Likely Pathogenic
SCN1A	2	166908399	C	T	265	G	E	0.992	Likely Pathogenic
SCN1A	2	166908397	G	C	266	L	V	0.942	Likely Pathogenic
SCN1A	2	166908397	G	T	266	L	M	0.906	Likely Pathogenic
SCN1A	2	166908396	A	C	266	L	R	0.990	Likely Pathogenic
SCN1A	2	166908396	A	G	266	L	P	0.994	Likely Pathogenic
SCN1A	2	166908396	A	T	266	L	Q	0.984	Likely Pathogenic
SCN1A	2	166908394	G	C	267	Q	E	0.978	Likely Pathogenic
SCN1A	2	166908394	G	T	267	Q	K	0.985	Likely Pathogenic
SCN1A	2	166908393	T	A	267	Q	L	0.990	Likely Pathogenic
SCN1A	2	166908393	T	C	267	Q	R	0.992	Likely Pathogenic
SCN1A	2	166908393	T	G	267	Q	P	0.994	Likely Pathogenic
SCN1A	2	166908392	C	A	267	Q	H	0.990	Likely Pathogenic
SCN1A	2	166908392	C	G	267	Q	H	0.990	Likely Pathogenic
SCN1A	2	166908391	G	C	268	L	V	0.988	Likely Pathogenic
SCN1A	2	166908391	G	T	268	L	M	0.990	Likely Pathogenic
SCN1A	2	166908390	A	C	268	L	R	0.996	Likely Pathogenic
SCN1A	2	166908390	A	G	268	L	P	0.996	Likely Pathogenic
SCN1A	2	166908390	A	T	268	L	Q	0.995	Likely Pathogenic
SCN1A	2	166908388	A	C	269	F	V	0.996	Likely Pathogenic
SCN1A	2	166908388	A	G	269	F	L	0.992	Likely Pathogenic
SCN1A	2	166908388	A	T	269	F	I	0.995	Likely Pathogenic
SCN1A	2	166908387	A	C	269	F	C	0.996	Likely Pathogenic
SCN1A	2	166908387	A	G	269	F	S	0.996	Likely Pathogenic
SCN1A	2	166908387	A	T	269	F	Y	0.946	Likely Pathogenic
SCN1A	2	166908386	G	C	269	F	L	0.992	Likely Pathogenic
SCN1A	2	166908386	G	T	269	F	L	0.992	Likely Pathogenic
SCN1A	2	166908385	T	A	270	M	L	0.965	Likely Pathogenic
SCN1A	2	166908385	T	C	270	M	V	0.970	Likely Pathogenic
SCN1A	2	166908385	T	G	270	M	L	0.966	Likely Pathogenic
SCN1A	2	166908384	A	C	270	M	R	0.951	Likely Pathogenic
SCN1A	2	166908384	A	G	270	M	T	0.972	Likely Pathogenic
SCN1A	2	166908384	A	T	270	M	K	0.753	Likely Benign
SCN1A	2	166908383	C	A	270	M	I	0.959	Likely Pathogenic
SCN1A	2	166908383	C	G	270	M	I	0.957	Likely Pathogenic
SCN1A	2	166908383	C	T	270	M	I	0.958	Likely Pathogenic
SCN1A	2	166908382	C	A	271	G	C	0.992	Likely Pathogenic
SCN1A	2	166908382	C	G	271	G	R	0.996	Likely Pathogenic
SCN1A	2	166908382	C	T	271	G	S	0.989	Likely Pathogenic
SCN1A	2	166908381	C	A	271	G	V	0.994	Likely Pathogenic
SCN1A	2	166908381	C	G	271	G	A	0.990	Likely Pathogenic
SCN1A	2	166908381	C	T	271	G	D	0.990	Likely Pathogenic
SCN1A	2	166908379	T	A	272	N	Y	0.959	Likely Pathogenic
SCN1A	2	166908379	T	C	272	N	D	0.926	Likely Pathogenic
SCN1A	2	166908379	T	G	272	N	H	0.729	Likely Benign
SCN1A	2	166908378	T	A	272	N	I	0.784	Likely Pathogenic
SCN1A	2	166908378	T	C	272	N	S	0.766	Likely Benign
SCN1A	2	166908378	T	G	272	N	T	0.850	Likely Pathogenic
SCN1A	2	166908377	G	C	272	N	K	0.743	Likely Benign
SCN1A	2	166908377	G	T	272	N	K	0.745	Likely Benign
SCN1A	2	166908376	G	C	273	L	V	0.981	Likely Pathogenic
SCN1A	2	166908376	G	T	273	L	M	0.950	Likely Pathogenic
SCN1A	2	166908375	A	C	273	L	R	0.993	Likely Pathogenic
SCN1A	2	166908375	A	G	273	L	P	0.995	Likely Pathogenic
SCN1A	2	166908375	A	T	273	L	Q	0.989	Likely Pathogenic
SCN1A	2	166908373	T	A	274	R	W	0.985	Likely Pathogenic
SCN1A	2	166908373	T	C	274	R	G	0.984	Likely Pathogenic
SCN1A	2	166908372	C	A	274	R	M	0.981	Likely Pathogenic
SCN1A	2	166908372	C	G	274	R	T	0.901	Likely Pathogenic
SCN1A	2	166908372	C	T	274	R	K	0.711	Likely Benign
SCN1A	2	166908371	C	A	274	R	S	0.973	Likely Pathogenic
SCN1A	2	166908371	C	G	274	R	S	0.973	Likely Pathogenic
SCN1A	2	166908370	T	A	275	N	Y	0.816	Likely Pathogenic
SCN1A	2	166908370	T	C	275	N	D	0.876	Likely Pathogenic
SCN1A	2	166908370	T	G	275	N	H	0.388	Likely Benign
SCN1A	2	166908369	T	A	275	N	I	0.978	Likely Pathogenic
SCN1A	2	166908369	T	C	275	N	S	0.797	Likely Pathogenic
SCN1A	2	166908369	T	G	275	N	T	0.939	Likely Pathogenic
SCN1A	2	166908368	A	C	275	N	K	0.696	Likely Benign
SCN1A	2	166908368	A	T	275	N	K	0.696	Likely Benign
SCN1A	2	166908367	T	C	276	K	E	0.973	Likely Pathogenic
SCN1A	2	166908367	T	G	276	K	Q	0.980	Likely Pathogenic
SCN1A	2	166908366	T	A	276	K	I	0.987	Likely Pathogenic
SCN1A	2	166908366	T	C	276	K	R	0.960	Likely Pathogenic
SCN1A	2	166908366	T	G	276	K	T	0.968	Likely Pathogenic
SCN1A	2	166908365	T	A	276	K	N	0.991	Likely Pathogenic
SCN1A	2	166908365	T	G	276	K	N	0.991	Likely Pathogenic
SCN1A	2	166908364	A	C	277	C	G	0.995	Likely Pathogenic
SCN1A	2	166908364	A	G	277	C	R	0.995	Likely Pathogenic
SCN1A	2	166908364	A	T	277	C	S	0.994	Likely Pathogenic
SCN1A	2	166908363	C	A	277	C	F	0.994	Likely Pathogenic
SCN1A	2	166908363	C	G	277	C	S	0.994	Likely Pathogenic
SCN1A	2	166908363	C	T	277	C	Y	0.995	Likely Pathogenic
SCN1A	2	166908362	A	C	277	C	W	0.995	Likely Pathogenic
SCN1A	2	166908361	T	A	278	I	L	0.233	Likely Benign
SCN1A	2	166908361	T	C	278	I	V	0.117	Likely Benign
SCN1A	2	166908361	T	G	278	I	L	0.233	Likely Benign
SCN1A	2	166908360	A	C	278	I	R	0.833	Likely Pathogenic
SCN1A	2	166908360	A	G	278	I	T	0.759	Likely Benign
SCN1A	2	166908360	A	T	278	I	K	0.900	Likely Pathogenic
SCN1A	2	166908359	T	C	278	I	M	0.507	Likely Benign
SCN1A	2	166908358	G	C	279	Q	E	0.291	Likely Benign
SCN1A	2	166908358	G	T	279	Q	K	0.183	Likely Benign
SCN1A	2	166908357	T	A	279	Q	L	0.154	Likely Benign
SCN1A	2	166908357	T	C	279	Q	R	0.182	Likely Benign
SCN1A	2	166908357	T	G	279	Q	P	0.555	Likely Benign
SCN1A	2	166908356	T	A	279	Q	H	0.579	Likely Benign
SCN1A	2	166908356	T	G	279	Q	H	0.592	Likely Benign
SCN1A	2	166908355	A	C	280	W	G	0.944	Likely Pathogenic
SCN1A	2	166908355	A	G	280	W	R	0.941	Likely Pathogenic
SCN1A	2	166908355	A	T	280	W	R	0.942	Likely Pathogenic
SCN1A	2	166908354	C	A	280	W	L	0.847	Likely Pathogenic
SCN1A	2	166908354	C	G	280	W	S	0.722	Likely Benign
SCN1A	2	166908353	C	A	280	W	C	0.975	Likely Pathogenic
SCN1A	2	166908353	C	G	280	W	C	0.975	Likely Pathogenic
SCN1A	2	166908352	G	A	281	P	S	0.334	Likely Benign
SCN1A	2	166908352	G	C	281	P	A	0.407	Likely Benign
SCN1A	2	166908352	G	T	281	P	T	0.304	Likely Benign
SCN1A	2	166908351	G	A	281	P	L	0.461	Likely Benign
SCN1A	2	166908351	G	C	281	P	R	0.692	Likely Benign
SCN1A	2	166908351	G	T	281	P	H	0.743	Likely Benign
SCN1A	2	166908349	G	A	282	P	S	0.366	Likely Benign
SCN1A	2	166908349	G	C	282	P	A	0.439	Likely Benign
SCN1A	2	166908349	G	T	282	P	T	0.321	Likely Benign
SCN1A	2	166908348	G	A	282	P	L	0.296	Likely Benign
SCN1A	2	166908348	G	C	282	P	R	0.828	Likely Pathogenic
SCN1A	2	166908348	G	T	282	P	H	0.762	Likely Benign
SCN1A	2	166908346	T	A	283	T	S	0.089	Likely Benign
SCN1A	2	166908346	T	C	283	T	A	0.120	Likely Benign
SCN1A	2	166908346	T	G	283	T	P	0.125	Likely Benign
SCN1A	2	166908345	G	A	283	T	I	0.174	Likely Benign
SCN1A	2	166908345	G	C	283	T	S	0.087	Likely Benign
SCN1A	2	166908345	G	T	283	T	N	0.127	Likely Benign
SCN1A	2	166908343	T	A	284	N	Y	0.555	Likely Benign
SCN1A	2	166908343	T	C	284	N	D	0.233	Likely Benign
SCN1A	2	166908343	T	G	284	N	H	0.775	Likely Benign

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN2A	2	166166907	T	A	258	C	S	0.784	Likely Pathogenic
SCN2A	2	166166907	T	C	258	C	R	0.987	Likely Pathogenic
SCN2A	2	166166907	T	G	258	C	G	0.977	Likely Pathogenic
SCN2A	2	166166908	G	A	258	C	Y	0.978	Likely Pathogenic
SCN2A	2	166166908	G	C	258	C	S	0.772	Likely Benign
SCN2A	2	166166908	G	T	258	C	F	0.891	Likely Pathogenic
SCN2A	2	166166909	T	G	258	C	W	0.987	Likely Pathogenic
SCN2A	2	166166910	C	A	259	L	I	0.823	Likely Pathogenic
SCN2A	2	166166910	C	G	259	L	V	0.847	Likely Pathogenic
SCN2A	2	166166911	T	A	259	L	Q	0.931	Likely Pathogenic
SCN2A	2	166166911	T	C	259	L	P	0.989	Likely Pathogenic
SCN2A	2	166166911	T	G	259	L	R	0.986	Likely Pathogenic
SCN2A	2	166166913	A	C	260	S	R	0.971	Likely Pathogenic
SCN2A	2	166166913	A	G	260	S	G	0.936	Likely Pathogenic
SCN2A	2	166166913	A	T	260	S	C	0.92	Likely Pathogenic
SCN2A	2	166166914	G	A	260	S	N	0.976	Likely Pathogenic
SCN2A	2	166166914	G	C	260	S	T	0.932	Likely Pathogenic
SCN2A	2	166166914	G	T	260	S	I	0.932	Likely Pathogenic
SCN2A	2	166166915	C	A	260	S	R	0.977	Likely Pathogenic
SCN2A	2	166166915	C	G	260	S	R	0.977	Likely Pathogenic
SCN2A	2	166166916	G	A	261	V	M	0.967	Likely Pathogenic
SCN2A	2	166166916	G	C	261	V	L	0.959	Likely Pathogenic
SCN2A	2	166166916	G	T	261	V	L	0.959	Likely Pathogenic
SCN2A	2	166166917	T	A	261	V	E	0.991	Likely Pathogenic
SCN2A	2	166166917	T	C	261	V	A	0.974	Likely Pathogenic
SCN2A	2	166166917	T	G	261	V	G	0.986	Likely Pathogenic
SCN2A	2	166166919	T	A	262	F	I	0.989	Likely Pathogenic
SCN2A	2	166166919	T	C	262	F	L	0.975	Likely Pathogenic
SCN2A	2	166166919	T	G	262	F	V	0.993	Likely Pathogenic
SCN2A	2	166166920	T	A	262	F	Y	0.957	Likely Pathogenic
SCN2A	2	166166920	T	C	262	F	S	0.991	Likely Pathogenic
SCN2A	2	166166920	T	G	262	F	C	0.992	Likely Pathogenic
SCN2A	2	166166921	T	A	262	F	L	0.977	Likely Pathogenic
SCN2A	2	166166921	T	G	262	F	L	0.977	Likely Pathogenic
SCN2A	2	166166922	G	A	263	A	T	0.973	Likely Pathogenic
SCN2A	2	166166922	G	C	263	A	P	0.99	Likely Pathogenic
SCN2A	2	166166922	G	T	263	A	S	0.933	Likely Pathogenic
SCN2A	2	166166923	C	A	263	A	E	0.993	Likely Pathogenic
SCN2A	2	166166923	C	G	263	A	G	0.953	Likely Pathogenic
SCN2A	2	166166923	C	T	263	A	V	0.992	Likely Pathogenic
SCN2A	2	166166925	C	A	264	L	I	0.64	Likely Benign
SCN2A	2	166166925	C	G	264	L	V	0.675	Likely Benign
SCN2A	2	166166926	T	A	264	L	Q	0.977	Likely Pathogenic
SCN2A	2	166166926	T	C	264	L	P	0.99	Likely Pathogenic
SCN2A	2	166166926	T	G	264	L	R	0.99	Likely Pathogenic
SCN2A	2	166166928	A	C	265	I	L	0.869	Likely Pathogenic
SCN2A	2	166166928	A	G	265	I	V	0.396	Likely Benign
SCN2A	2	166166928	A	T	265	I	L	0.871	Likely Pathogenic
SCN2A	2	166166929	T	A	265	I	K	0.991	Likely Pathogenic
SCN2A	2	166166929	T	C	265	I	T	0.966	Likely Pathogenic
SCN2A	2	166166929	T	G	265	I	R	0.987	Likely Pathogenic
SCN2A	2	166166930	A	G	265	I	M	0.6	Likely Benign
SCN2A	2	166166931	G	A	266	G	R	0.987	Likely Pathogenic
SCN2A	2	166166931	G	C	266	G	R	0.987	Likely Pathogenic
SCN2A	2	166166932	G	A	266	G	E	0.989	Likely Pathogenic
SCN2A	2	166166932	G	C	266	G	A	0.91	Likely Pathogenic
SCN2A	2	166166932	G	T	266	G	V	0.984	Likely Pathogenic
SCN2A	2	166166934	T	A	267	L	M	0.673	Likely Benign
SCN2A	2	166166934	T	G	267	L	V	0.75	Likely Benign
SCN2A	2	166166935	T	C	267	L	S	0.962	Likely Pathogenic
SCN2A	2	166166935	T	G	267	L	W	0.964	Likely Pathogenic
SCN2A	2	166166936	G	C	267	L	F	0.978	Likely Pathogenic
SCN2A	2	166166936	G	T	267	L	F	0.978	Likely Pathogenic
SCN2A	2	166166937	C	A	268	Q	K	0.973	Likely Pathogenic
SCN2A	2	166166937	C	G	268	Q	E	0.946	Likely Pathogenic
SCN2A	2	166166938	A	C	268	Q	P	0.991	Likely Pathogenic
SCN2A	2	166166938	A	G	268	Q	R	0.985	Likely Pathogenic
SCN2A	2	166166938	A	T	268	Q	L	0.976	Likely Pathogenic
SCN2A	2	166166939	G	C	268	Q	H	0.977	Likely Pathogenic
SCN2A	2	166166939	G	T	268	Q	H	0.977	Likely Pathogenic
SCN2A	2	166166940	T	A	269	L	M	0.985	Likely Pathogenic
SCN2A	2	166166940	T	G	269	L	V	0.982	Likely Pathogenic
SCN2A	2	166166941	T	C	269	L	S	0.986	Likely Pathogenic
SCN2A	2	166166941	T	G	269	L	W	0.995	Likely Pathogenic
SCN2A	2	166166942	G	C	269	L	F	0.963	Likely Pathogenic
SCN2A	2	166166942	G	T	269	L	F	0.964	Likely Pathogenic
SCN2A	2	166166943	T	A	270	F	I	0.991	Likely Pathogenic
SCN2A	2	166166943	T	C	270	F	L	0.988	Likely Pathogenic
SCN2A	2	166166943	T	G	270	F	V	0.994	Likely Pathogenic
SCN2A	2	166166944	T	A	270	F	Y	0.733	Likely Benign
SCN2A	2	166166944	T	C	270	F	S	0.994	Likely Pathogenic
SCN2A	2	166166944	T	G	270	F	C	0.995	Likely Pathogenic
SCN2A	2	166166945	C	A	270	F	L	0.991	Likely Pathogenic
SCN2A	2	166166945	C	G	270	F	L	0.991	Likely Pathogenic
SCN2A	2	166166946	A	C	271	M	L	0.897	Likely Pathogenic
SCN2A	2	166166946	A	G	271	M	V	0.916	Likely Pathogenic
SCN2A	2	166166946	A	T	271	M	L	0.898	Likely Pathogenic
SCN2A	2	166166947	T	A	271	M	K	0.62	Likely Benign
SCN2A	2	166166947	T	C	271	M	T	0.936	Likely Pathogenic
SCN2A	2	166166947	T	G	271	M	R	0.846	Likely Pathogenic
SCN2A	2	166166948	G	A	271	M	I	0.912	Likely Pathogenic
SCN2A	2	166166948	G	C	271	M	I	0.908	Likely Pathogenic
SCN2A	2	166166948	G	T	271	M	I	0.912	Likely Pathogenic
SCN2A	2	166166949	G	A	272	G	S	0.984	Likely Pathogenic
SCN2A	2	166166949	G	C	272	G	R	0.995	Likely Pathogenic
SCN2A	2	166166949	G	T	272	G	C	0.989	Likely Pathogenic
SCN2A	2	166166950	G	A	272	G	D	0.98	Likely Pathogenic
SCN2A	2	166166950	G	C	272	G	A	0.986	Likely Pathogenic
SCN2A	2	166166950	G	T	272	G	V	0.991	Likely Pathogenic
SCN2A	2	166166952	A	C	273	N	H	0.486	Likely Benign
SCN2A	2	166166952	A	G	273	N	D	0.739	Likely Benign
SCN2A	2	166166952	A	T	273	N	Y	0.871	Likely Pathogenic
SCN2A	2	166166953	A	C	273	N	T	0.577	Likely Benign
SCN2A	2	166166953	A	G	273	N	S	0.399	Likely Benign
SCN2A	2	166166953	A	T	273	N	I	0.612	Likely Benign
SCN2A	2	166166954	C	A	273	N	K	0.498	Likely Benign
SCN2A	2	166166954	C	G	273	N	K	0.49	Likely Benign
SCN2A	2	166166955	C	A	274	L	I	0.968	Likely Pathogenic
SCN2A	2	166166955	C	G	274	L	V	0.958	Likely Pathogenic
SCN2A	2	166166956	T	A	274	L	Q	0.977	Likely Pathogenic
SCN2A	2	166166956	T	C	274	L	P	0.992	Likely Pathogenic
SCN2A	2	166166956	T	G	274	L	R	0.983	Likely Pathogenic
SCN2A	2	166166958	C	G	275	R	G	0.926	Likely Pathogenic
SCN2A	2	166166959	G	A	275	R	Q	0.939	Likely Pathogenic
SCN2A	2	166166959	G	C	275	R	P	0.944	Likely Pathogenic
SCN2A	2	166166959	G	T	275	R	L	0.92	Likely Pathogenic
SCN2A	2	166166961	A	C	276	N	H	0.256	Likely Benign
SCN2A	2	166166961	A	G	276	N	D	0.606	Likely Benign
SCN2A	2	166166961	A	T	276	N	Y	0.537	Likely Benign
SCN2A	2	166166962	A	C	276	N	T	0.532	Likely Benign
SCN2A	2	166166962	A	G	276	N	S	0.354	Likely Benign
SCN2A	2	166166962	A	T	276	N	I	0.907	Likely Pathogenic
SCN2A	2	166166963	T	A	276	N	K	0.412	Likely Benign
SCN2A	2	166166963	T	G	276	N	K	0.408	Likely Benign
SCN2A	2	166166964	A	C	277	K	Q	0.943	Likely Pathogenic
SCN2A	2	166166964	A	G	277	K	E	0.947	Likely Pathogenic
SCN2A	2	166166965	A	C	277	K	T	0.915	Likely Pathogenic
SCN2A	2	166166965	A	G	277	K	R	0.725	Likely Benign
SCN2A	2	166166965	A	T	277	K	I	0.982	Likely Pathogenic
SCN2A	2	166166966	A	C	277	K	N	0.975	Likely Pathogenic
SCN2A	2	166166966	A	T	277	K	N	0.975	Likely Pathogenic
SCN2A	2	166166967	T	A	278	C	S	0.992	Likely Pathogenic
SCN2A	2	166166967	T	C	278	C	R	0.993	Likely Pathogenic
SCN2A	2	166166967	T	G	278	C	G	0.992	Likely Pathogenic
SCN2A	2	166166968	G	A	278	C	Y	0.993	Likely Pathogenic
SCN2A	2	166166968	G	C	278	C	S	0.992	Likely Pathogenic
SCN2A	2	166166968	G	T	278	C	F	0.993	Likely Pathogenic
SCN2A	2	166166969	T	G	278	C	W	0.993	Likely Pathogenic
SCN2A	2	166166970	T	A	279	L	M	0.391	Likely Benign
SCN2A	2	166166970	T	G	279	L	V	0.117	Likely Benign
SCN2A	2	166166971	T	C	279	L	S	0.454	Likely Benign
SCN2A	2	166166971	T	G	279	L	W	0.851	Likely Pathogenic
SCN2A	2	166166972	G	C	279	L	F	0.288	Likely Benign
SCN2A	2	166166972	G	T	279	L	F	0.288	Likely Benign
SCN2A	2	166166973	C	A	280	Q	K	0.142	Likely Benign
SCN2A	2	166166973	C	G	280	Q	E	0.191	Likely Benign
SCN2A	2	166166974	A	C	280	Q	P	0.266	Likely Benign
SCN2A	2	166166974	A	G	280	Q	R	0.094	Likely Benign
SCN2A	2	166166974	A	T	280	Q	L	0.099	Likely Benign
SCN2A	2	166166975	A	C	280	Q	H	0.252	Likely Benign
SCN2A	2	166166975	A	T	280	Q	H	0.252	Likely Benign
SCN2A	2	166166976	T	A	281	W	R	0.692	Likely Benign
SCN2A	2	166166976	T	C	281	W	R	0.691	Likely Benign
SCN2A	2	166166976	T	G	281	W	G	0.642	Likely Benign
SCN2A	2	166166977	G	C	281	W	S	0.451	Likely Benign
SCN2A	2	166166977	G	T	281	W	L	0.469	Likely Benign
SCN2A	2	166166978	G	C	281	W	C	0.885	Likely Pathogenic
SCN2A	2	166166978	G	T	281	W	C	0.894	Likely Pathogenic
SCN2A	2	166166979	C	A	282	P	T	0.321	Likely Benign
SCN2A	2	166166979	C	G	282	P	A	0.353	Likely Benign
SCN2A	2	166166979	C	T	282	P	S	0.271	Likely Benign
SCN2A	2	166166980	C	A	282	P	H	0.716	Likely Benign
SCN2A	2	166166980	C	G	282	P	R	0.502	Likely Benign
SCN2A	2	166166980	C	T	282	P	L	0.419	Likely Benign
SCN2A	2	166166982	C	A	283	P	T	0.193	Likely Benign
SCN2A	2	166166982	C	G	283	P	A	0.22	Likely Benign
SCN2A	2	166166982	C	T	283	P	S	0.195	Likely Benign
SCN2A	2	166166983	C	A	283	P	Q	0.233	Likely Benign
SCN2A	2	166166983	C	G	283	P	R	0.386	Likely Benign
SCN2A	2	166166983	C	T	283	P	L	0.188	Likely Benign
SCN2A	2	166166985	G	A	284	D	N	0.125	Likely Benign
SCN2A	2	166166985	G	C	284	D	H	0.14	Likely Benign
SCN2A	2	166166985	G	T	284	D	Y	0.149	Likely Benign
SCN2A	2	166166986	A	C	284	D	A	0.095	Likely Benign
SCN2A	2	166166986	A	G	284	D	G	0.153	Likely Benign
SCN2A	2	166166986	A	T	284	D	V	0.129	Likely Benign
SCN2A	2	166166987	T	A	284	D	E	0.093	Likely Benign
SCN2A	2	166166987	T	G	284	D	E	0.093	Likely Benign
SCN2A	2	166166988	A	C	285	N	H	0.556	Likely Benign
SCN2A	2	166166988	A	G	285	N	D	0.217	Likely Benign
SCN2A	2	166166988	A	T	285	N	Y	0.473	Likely Benign
SCN2A	2	166166989	A	C	285	N	T	0.362	Likely Benign
SCN2A	2	166166989	A	G	285	N	S	0.24	Likely Benign
SCN2A	2	166166989	A	T	285	N	I	0.488	Likely Benign
SCN2A	2	166166990	T	A	285	N	K	0.367	Likely Benign
SCN2A	2	166166990	T	G	285	N	K	0.363	Likely Benign
SCN2A	2	166166991	T	A	286	S	T	0.166	Likely Benign

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN8A	12	52093413	A	T	256	I	F	0.974	Likely Pathogenic
SCN8A	12	52093414	T	A	256	I	N	0.993	Likely Pathogenic
SCN8A	12	52093414	T	C	256	I	T	0.974	Likely Pathogenic
SCN8A	12	52093414	T	G	256	I	S	0.988	Likely Pathogenic
SCN8A	12	52093415	C	G	256	I	M	0.956	Likely Pathogenic
SCN8A	12	52093416	C	A	257	L	M	0.992	Likely Pathogenic
SCN8A	12	52093416	C	G	257	L	V	0.903	Likely Pathogenic
SCN8A	12	52093417	T	A	257	L	Q	0.997	Likely Pathogenic
SCN8A	12	52093417	T	C	257	L	P	0.995	Likely Pathogenic
SCN8A	12	52093417	T	G	257	L	R	0.995	Likely Pathogenic
SCN8A	12	52093419	A	C	258	T	P	0.992	Likely Pathogenic
SCN8A	12	52093419	A	G	258	T	A	0.966	Likely Pathogenic
SCN8A	12	52093419	A	T	258	T	S	0.974	Likely Pathogenic
SCN8A	12	52093420	C	A	258	T	K	0.991	Likely Pathogenic
SCN8A	12	52093420	C	G	258	T	R	0.991	Likely Pathogenic
SCN8A	12	52093420	C	T	258	T	I	0.940	Likely Pathogenic
SCN8A	12	52093422	G	A	259	V	M	0.695	Likely Benign
SCN8A	12	52093422	G	C	259	V	L	0.400	Likely Benign
SCN8A	12	52093422	G	T	259	V	L	0.403	Likely Benign
SCN8A	12	52093423	T	A	259	V	E	0.985	Likely Pathogenic
SCN8A	12	52093423	T	C	259	V	A	0.903	Likely Pathogenic
SCN8A	12	52093423	T	G	259	V	G	0.949	Likely Pathogenic
SCN8A	12	52093425	T	A	260	F	I	0.967	Likely Pathogenic
SCN8A	12	52093425	T	C	260	F	L	0.954	Likely Pathogenic
SCN8A	12	52093425	T	G	260	F	V	0.982	Likely Pathogenic
SCN8A	12	52093426	T	A	260	F	Y	0.988	Likely Pathogenic
SCN8A	12	52093426	T	C	260	F	S	0.993	Likely Pathogenic
SCN8A	12	52093426	T	G	260	F	C	0.993	Likely Pathogenic
SCN8A	12	52093427	C	A	260	F	L	0.895	Likely Pathogenic
SCN8A	12	52093427	C	G	260	F	L	0.895	Likely Pathogenic
SCN8A	12	52093428	T	A	261	C	S	0.909	Likely Pathogenic
SCN8A	12	52093428	T	C	261	C	R	0.990	Likely Pathogenic
SCN8A	12	52093428	T	G	261	C	G	0.975	Likely Pathogenic
SCN8A	12	52093429	G	A	261	C	Y	0.976	Likely Pathogenic
SCN8A	12	52093429	G	C	261	C	S	0.800	Likely Pathogenic
SCN8A	12	52093429	G	T	261	C	F	0.919	Likely Pathogenic
SCN8A	12	52093430	C	G	261	C	W	0.990	Likely Pathogenic
SCN8A	12	52093431	C	A	262	L	M	0.934	Likely Pathogenic
SCN8A	12	52093431	C	G	262	L	V	0.946	Likely Pathogenic
SCN8A	12	52093432	T	A	262	L	Q	0.976	Likely Pathogenic
SCN8A	12	52093432	T	C	262	L	P	0.994	Likely Pathogenic
SCN8A	12	52093432	T	G	262	L	R	0.993	Likely Pathogenic
SCN8A	12	52093434	A	C	263	S	R	0.985	Likely Pathogenic
SCN8A	12	52093434	A	G	263	S	G	0.973	Likely Pathogenic
SCN8A	12	52093434	A	T	263	S	C	0.970	Likely Pathogenic
SCN8A	12	52093435	G	A	263	S	N	0.988	Likely Pathogenic
SCN8A	12	52093435	G	C	263	S	T	0.955	Likely Pathogenic
SCN8A	12	52093435	G	T	263	S	I	0.924	Likely Pathogenic
SCN8A	12	52093436	T	A	263	S	R	0.985	Likely Pathogenic
SCN8A	12	52093436	T	G	263	S	R	0.985	Likely Pathogenic
SCN8A	12	52093437	G	A	264	V	I	0.600	Likely Benign
SCN8A	12	52093437	G	C	264	V	L	0.947	Likely Pathogenic
SCN8A	12	52093437	G	T	264	V	F	0.963	Likely Pathogenic
SCN8A	12	52093438	T	A	264	V	D	0.992	Likely Pathogenic
SCN8A	12	52093438	T	C	264	V	A	0.987	Likely Pathogenic
SCN8A	12	52093438	T	G	264	V	G	0.988	Likely Pathogenic
SCN8A	12	52093440	T	A	265	F	I	0.990	Likely Pathogenic
SCN8A	12	52093440	T	C	265	F	L	0.990	Likely Pathogenic
SCN8A	12	52093440	T	G	265	F	V	0.994	Likely Pathogenic
SCN8A	12	52093441	T	A	265	F	Y	0.963	Likely Pathogenic
SCN8A	12	52093441	T	C	265	F	S	0.993	Likely Pathogenic
SCN8A	12	52093441	T	G	265	F	C	0.994	Likely Pathogenic
SCN8A	12	52093442	T	A	265	F	L	0.992	Likely Pathogenic
SCN8A	12	52093442	T	G	265	F	L	0.992	Likely Pathogenic
SCN8A	12	52093443	G	A	266	A	T	0.957	Likely Pathogenic
SCN8A	12	52093443	G	C	266	A	P	0.989	Likely Pathogenic
SCN8A	12	52093443	G	T	266	A	S	0.923	Likely Pathogenic
SCN8A	12	52093444	C	A	266	A	D	0.993	Likely Pathogenic
SCN8A	12	52093444	C	G	266	A	G	0.951	Likely Pathogenic
SCN8A	12	52093444	C	T	266	A	V	0.993	Likely Pathogenic
SCN8A	12	52093446	T	A	267	L	M	0.986	Likely Pathogenic
SCN8A	12	52093446	T	G	267	L	V	0.892	Likely Pathogenic
SCN8A	12	52093447	T	C	267	L	S	0.988	Likely Pathogenic
SCN8A	12	52093447	T	G	267	L	W	0.992	Likely Pathogenic
SCN8A	12	52093448	G	C	267	L	F	0.980	Likely Pathogenic
SCN8A	12	52093448	G	T	267	L	F	0.980	Likely Pathogenic
SCN8A	12	52093449	A	C	268	I	L	0.921	Likely Pathogenic
SCN8A	12	52093449	A	G	268	I	V	0.617	Likely Benign
SCN8A	12	52093449	A	T	268	I	F	0.954	Likely Pathogenic
SCN8A	12	52093450	T	A	268	I	N	0.993	Likely Pathogenic
SCN8A	12	52093450	T	C	268	I	T	0.986	Likely Pathogenic
SCN8A	12	52093450	T	G	268	I	S	0.985	Likely Pathogenic
SCN8A	12	52093451	C	G	268	I	M	0.912	Likely Pathogenic
SCN8A	12	52093452	G	A	269	G	R	0.981	Likely Pathogenic
SCN8A	12	52093452	G	C	269	G	R	0.982	Likely Pathogenic
SCN8A	12	52093453	G	A	269	G	E	0.985	Likely Pathogenic
SCN8A	12	52093453	G	C	269	G	A	0.705	Likely Benign
SCN8A	12	52093453	G	T	269	G	V	0.978	Likely Pathogenic
SCN8A	12	52093455	C	A	270	L	M	0.894	Likely Pathogenic
SCN8A	12	52093455	C	G	270	L	V	0.905	Likely Pathogenic
SCN8A	12	52093456	T	A	270	L	Q	0.980	Likely Pathogenic
SCN8A	12	52093456	T	C	270	L	P	0.992	Likely Pathogenic
SCN8A	12	52093456	T	G	270	L	R	0.989	Likely Pathogenic
SCN8A	12	52093458	C	A	271	Q	K	0.976	Likely Pathogenic
SCN8A	12	52093458	C	G	271	Q	E	0.943	Likely Pathogenic
SCN8A	12	52093459	A	C	271	Q	P	0.994	Likely Pathogenic
SCN8A	12	52093459	A	G	271	Q	R	0.993	Likely Pathogenic
SCN8A	12	52093459	A	T	271	Q	L	0.989	Likely Pathogenic
SCN8A	12	52093460	G	C	271	Q	H	0.987	Likely Pathogenic
SCN8A	12	52093460	G	T	271	Q	H	0.987	Likely Pathogenic
SCN8A	12	52093461	C	A	272	L	M	0.977	Likely Pathogenic
SCN8A	12	52093461	C	G	272	L	V	0.976	Likely Pathogenic
SCN8A	12	52093462	T	A	272	L	Q	0.995	Likely Pathogenic
SCN8A	12	52093462	T	C	272	L	P	0.996	Likely Pathogenic
SCN8A	12	52093462	T	G	272	L	R	0.995	Likely Pathogenic
SCN8A	12	52093464	T	A	273	F	I	0.996	Likely Pathogenic
SCN8A	12	52093464	T	C	273	F	L	0.992	Likely Pathogenic
SCN8A	12	52093464	T	G	273	F	V	0.996	Likely Pathogenic
SCN8A	12	52093465	T	A	273	F	Y	0.810	Likely Pathogenic
SCN8A	12	52093465	T	C	273	F	S	0.996	Likely Pathogenic
SCN8A	12	52093465	T	G	273	F	C	0.996	Likely Pathogenic
SCN8A	12	52093466	C	A	273	F	L	0.989	Likely Pathogenic
SCN8A	12	52093466	C	G	273	F	L	0.989	Likely Pathogenic
SCN8A	12	52093467	A	C	274	M	L	0.966	Likely Pathogenic
SCN8A	12	52093467	A	G	274	M	V	0.961	Likely Pathogenic
SCN8A	12	52093467	A	T	274	M	L	0.966	Likely Pathogenic
SCN8A	12	52093468	T	A	274	M	K	0.700	Likely Benign
SCN8A	12	52093468	T	C	274	M	T	0.966	Likely Pathogenic
SCN8A	12	52093468	T	G	274	M	R	0.939	Likely Pathogenic
SCN8A	12	52093469	G	A	274	M	I	0.909	Likely Pathogenic
SCN8A	12	52093469	G	C	274	M	I	0.913	Likely Pathogenic
SCN8A	12	52093469	G	T	274	M	I	0.912	Likely Pathogenic
SCN8A	12	52093470	G	A	275	G	R	0.995	Likely Pathogenic
SCN8A	12	52093470	G	C	275	G	R	0.995	Likely Pathogenic
SCN8A	12	52093470	G	T	275	G	W	0.995	Likely Pathogenic
SCN8A	12	52093471	G	A	275	G	E	0.980	Likely Pathogenic
SCN8A	12	52093471	G	C	275	G	A	0.986	Likely Pathogenic
SCN8A	12	52093471	G	T	275	G	V	0.992	Likely Pathogenic
SCN8A	12	52093473	A	C	276	N	H	0.502	Likely Benign
SCN8A	12	52093473	A	G	276	N	D	0.831	Likely Pathogenic
SCN8A	12	52093473	A	T	276	N	Y	0.907	Likely Pathogenic
SCN8A	12	52093474	A	C	276	N	T	0.716	Likely Benign
SCN8A	12	52093474	A	G	276	N	S	0.574	Likely Benign
SCN8A	12	52093474	A	T	276	N	I	0.817	Likely Pathogenic
SCN8A	12	52093475	C	A	276	N	K	0.517	Likely Benign
SCN8A	12	52093475	C	G	276	N	K	0.493	Likely Benign
SCN8A	12	52093476	C	A	277	L	I	0.949	Likely Pathogenic
SCN8A	12	52093476	C	G	277	L	V	0.969	Likely Pathogenic
SCN8A	12	52093476	C	T	277	L	F	0.880	Likely Pathogenic
SCN8A	12	52093477	T	A	277	L	H	0.992	Likely Pathogenic
SCN8A	12	52093477	T	C	277	L	P	0.994	Likely Pathogenic
SCN8A	12	52093477	T	G	277	L	R	0.992	Likely Pathogenic
SCN8A	12	52093479	C	G	278	R	G	0.939	Likely Pathogenic
SCN8A	12	52093480	G	A	278	R	Q	0.968	Likely Pathogenic
SCN8A	12	52093480	G	C	278	R	P	0.976	Likely Pathogenic
SCN8A	12	52093480	G	T	278	R	L	0.929	Likely Pathogenic
SCN8A	12	52093482	A	C	279	N	H	0.233	Likely Benign
SCN8A	12	52093482	A	G	279	N	D	0.682	Likely Benign
SCN8A	12	52093482	A	T	279	N	Y	0.461	Likely Benign
SCN8A	12	52093483	A	C	279	N	T	0.664	Likely Benign
SCN8A	12	52093483	A	G	279	N	S	0.520	Likely Benign
SCN8A	12	52093483	A	T	279	N	I	0.909	Likely Pathogenic
SCN8A	12	52093484	C	A	279	N	K	0.412	Likely Benign
SCN8A	12	52093484	C	G	279	N	K	0.406	Likely Benign
SCN8A	12	52093485	A	C	280	K	Q	0.976	Likely Pathogenic
SCN8A	12	52093485	A	G	280	K	E	0.971	Likely Pathogenic
SCN8A	12	52093486	A	C	280	K	T	0.959	Likely Pathogenic
SCN8A	12	52093486	A	G	280	K	R	0.923	Likely Pathogenic
SCN8A	12	52093486	A	T	280	K	M	0.990	Likely Pathogenic
SCN8A	12	52093487	G	C	280	K	N	0.982	Likely Pathogenic
SCN8A	12	52093487	G	T	280	K	N	0.981	Likely Pathogenic
SCN8A	12	52093488	T	A	281	C	S	0.995	Likely Pathogenic
SCN8A	12	52093488	T	C	281	C	R	0.994	Likely Pathogenic
SCN8A	12	52093488	T	G	281	C	G	0.995	Likely Pathogenic
SCN8A	12	52093489	G	A	281	C	Y	0.994	Likely Pathogenic
SCN8A	12	52093489	G	C	281	C	S	0.995	Likely Pathogenic
SCN8A	12	52093489	G	T	281	C	F	0.992	Likely Pathogenic
SCN8A	12	52093490	T	G	281	C	W	0.994	Likely Pathogenic
SCN8A	12	52093491	G	A	282	V	I	0.323	Likely Benign
SCN8A	12	52093491	G	C	282	V	L	0.439	Likely Benign
SCN8A	12	52093491	G	T	282	V	F	0.567	Likely Benign
SCN8A	12	52093492	T	A	282	V	D	0.899	Likely Pathogenic
SCN8A	12	52093492	T	C	282	V	A	0.848	Likely Pathogenic
SCN8A	12	52093492	T	G	282	V	G	0.903	Likely Pathogenic
SCN8A	12	52093494	G	A	283	V	M	0.261	Likely Benign
SCN8A	12	52093494	G	C	283	V	L	0.095	Likely Benign
SCN8A	12	52093494	G	T	283	V	L	0.095	Likely Benign
SCN8A	12	52093495	T	A	283	V	E	0.281	Likely Benign
SCN8A	12	52093495	T	C	283	V	A	0.241	Likely Benign
SCN8A	12	52093495	T	G	283	V	G	0.285	Likely Benign
SCN8A	12	52093497	T	A	284	W	R	0.847	Likely Pathogenic
SCN8A	12	52093497	T	C	284	W	R	0.850	Likely Pathogenic
SCN8A	12	52093497	T	G	284	W	G	0.829	Likely Pathogenic
SCN8A	12	52093498	G	C	284	W	S	0.662	Likely Benign
SCN8A	12	52093498	G	T	284	W	L	0.776	Likely Benign
SCN8A	12	52093499	G	C	284	W	C	0.903	Likely Pathogenic
SCN8A	12	52093499	G	T	284	W	C	0.906	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166908342	T	A	284	N	I	0.682	Likely Benien
SCN1A	2	166908342	T	C	284	N	S	0.309	Likely Benien
SCN1A	2	166908342	T	G	284	N	T	0.433	Likely Benien
SCN1A	2	166908341	A	C	284	N	K	0.389	Likely Benien
SCN1A	2	166908341	A	T	284	N	K	0.388	Likely Benien
SCN1A	2	166908340	C	A	285	A	S	0.061	Likely Benien
SCN1A	2	166908340	C	G	285	A	P	0.221	Likely Benien
SCN1A	2	166908340	C	T	285	A	T	0.127	Likely Benien
SCN1A	2	166908339	A	C	285	A	V	0.127	Likely Benien
SCN1A	2	166908339	G	C	285	A	G	0.145	Likely Benien
SCN1A	2	166908339	G	T	285	A	D	0.152	Likely Benien
SCN1A	2	166908337	A	C	286	S	A	0.191	Likely Benien
SCN1A	2	166908337	A	G	286	S	P	0.327	Likely Benien
SCN1A	2	166908337	A	T	286	S	T	0.080	Likely Benien
SCN1A	2	166908336	G	A	286	S	F	0.506	Likely Benien
SCN1A	2	166908336	G	C	286	S	C	0.533	Likely Benien
SCN1A	2	166908336	G	T	286	S	Y	0.335	Likely Benien
SCN1A	2	166908334	A	C	287	L	V	0.171	Likely Benien
SCN1A	2	166908334	A	T	287	L	M	0.259	Likely Benien
SCN1A	2	166908333	A	C	287	L	W	0.450	Likely Benien
SCN1A	2	166908333	A	G	287	L	S	0.226	Likely Benien
SCN1A	2	166908332	C	A	287	L	F	0.205	Likely Benien
SCN1A	2	166908332	C	G	287	L	F	0.205	Likely Benien
SCN1A	2	166908331	C	G	288	E	Q	0.229	Likely Benien
SCN1A	2	166908331	C	T	288	E	K	0.233	Likely Benien
SCN1A	2	166908330	T	A	288	E	V	0.280	Likely Benien
SCN1A	2	166908330	T	C	288	E	G	0.434	Likely Benien
SCN1A	2	166908330	T	G	288	E	A	0.353	Likely Benien
SCN1A	2	166908329	C	A	288	E	D	0.136	Likely Benien
SCN1A	2	166908329	C	G	288	E	D	0.129	Likely Benien
SCN1A	2	166908328	C	G	289	E	Q	0.149	Likely Benien
SCN1A	2	166908328	C	T	289	E	K	0.147	Likely Benien
SCN1A	2	166908327	T	A	289	E	V	0.206	Likely Benien
SCN1A	2	166908327	T	C	289	E	G	0.165	Likely Benien
SCN1A	2	166908327	T	G	289	E	A	0.162	Likely Benien
SCN1A	2	166908326	T	A	289	E	D	0.168	Likely Benien
SCN1A	2	166908326	T	G	289	E	D	0.168	Likely Benien
SCN1A	2	166908325	G	A	290	H	Y	0.168	Likely Benien
SCN1A	2	166908325	G	C	290	H	D	0.129	Likely Benien
SCN1A	2	166908325	G	T	290	H	N	0.101	Likely Benien
SCN1A	2	166908324	T	A	290	H	L	0.166	Likely Benien
SCN1A	2	166908324	T	C	290	H	R	0.449	Likely Benien
SCN1A	2	166908324	T	G	290	H	P	0.296	Likely Benien
SCN1A	2	166908323	A	C	290	H	Q	0.244	Likely Benien
SCN1A	2	166908323	A	T	290	H	Q	0.245	Likely Benien
SCN1A	2	166908322	T	A	291	S	C	0.360	Likely Benien
SCN1A	2	166908322	T	C	291	S	G	0.290	Likely Benien
SCN1A	2	166908322	T	G	291	S	R	0.361	Likely Benien
SCN1A	2	166908321	C	A	291	S	I	0.185	Likely Benien
SCN1A	2	166908321	C	G	291	S	T	0.132	Likely Benien
SCN1A	2	166908321	C	T	291	S	N	0.268	Likely Benien
SCN1A	2	166908320	A	C	291	S	R	0.340	Likely Benien
SCN1A	2	166908320	A	T	291	S	R	0.340	Likely Benien
SCN1A	2	166908319	T	A	292	I	L	0.120	Likely Benien
SCN1A	2	166908319	T	C	292	I	V	0.126	Likely Benien
SCN1A	2	166908319	T	G	292	I	L	0.120	Likely Benien
SCN1A	2	166908318	A	C	292	I	R	0.385	Likely Benien
SCN1A	2	166908318	A	G	292	I	T	0.175	Likely Benien
SCN1A	2	166908318	A	T	292	I	K	0.370	Likely Benien
SCN1A	2	166908317	T	C	292	I	M	0.194	Likely Benien
SCN1A	2	166908316	C	G	293	E	Q	0.198	Likely Benien
SCN1A	2	166908316	C	T	293	E	K	0.291	Likely Benien
SCN1A	2	166908315	A	C	293	E	V	0.353	Likely Benien
SCN1A	2	166908315	T	C	293	E	G	0.320	Likely Benien
SCN1A	2	166908315	T	G	293	E	A	0.304	Likely Benien
SCN1A	2	166908314	T	A	293	E	D	0.214	Likely Benien
SCN1A	2	166908314	T	G	293	E	D	0.215	Likely Benien
SCN1A	2	166908313	T	C	294	K	E	0.146	Likely Benien
SCN1A	2	166908313	T	G	294	K	Q	0.239	Likely Benien
SCN1A	2	166908312	T	A	294	K	M	0.241	Likely Benien
SCN1A	2	166908312	T	C	294	K	R	0.179	Likely Benien
SCN1A	2	166908312	T	G	294	K	T	0.206	Likely Benien
SCN1A	2	166908311	C	A	294	K	N	0.117	Likely Benien
SCN1A	2	166908311	C	G	294	K	N	0.117	Likely Benien
SCN1A	2	166908310	T	A	295	N	Y	0.538	Likely Benien
SCN1A	2	166908310	T	C	295	N	D	0.461	Likely Benien
SCN1A	2	166908310	T	G	295	N	H	0.850	Likely Pathoaenic
SCN1A	2	166908309	T	A	295	N	I	0.814	Likely Pathoaenic
SCN1A	2	166908309	T	C	295	N	S	0.829	Likely Pathoaenic
SCN1A	2	166908309	T	G	295	N	T	0.484	Likely Benien
SCN1A	2	166908308	A	C	295	N	K	0.654	Likely Benien
SCN1A	2	166908308	A	T	295	N	K	0.638	Likely Benien
SCN1A	2	166908307	T	A	296	I	L	0.112	Likely Benien
SCN1A	2	166908307	T	C	296	I	V	0.168	Likely Benien
SCN1A	2	166908307	T	G	296	I	L	0.113	Likely Benien
SCN1A	2	166908306	A	C	296	I	R	0.206	Likely Benien
SCN1A	2	166908306	A	G	296	I	T	0.129	Likely Benien
SCN1A	2	166908306	A	T	296	I	K	0.144	Likely Benien
SCN1A	2	166908305	T	C	296	I	M	0.213	Likely Benien
SCN1A	2	166908304	T	A	297	T	S	0.275	Likely Benien
SCN1A	2	166908304	T	C	297	T	A	0.350	Likely Benien
SCN1A	2	166908304	T	G	297	T	P	0.511	Likely Benien
SCN1A	2	166908303	G	A	297	T	I	0.821	Likely Pathoaenic
SCN1A	2	166908303	G	C	297	T	S	0.291	Likely Benien
SCN1A	2	166908303	G	T	297	T	N	0.378	Likely Benien
SCN1A	2	166908301	C	A	298	V	L	0.050	Likely Benien
SCN1A	2	166908301	C	G	298	V	L	0.048	Likely Benien
SCN1A	2	166908301	C	T	298	V	M	0.082	Likely Benien
SCN1A	2	166908300	A	C	298	V	G	0.123	Likely Benien
SCN1A	2	166908300	A	G	298	V	A	0.126	Likely Benien
SCN1A	2	166908300	A	T	298	V	E	0.105	Likely Benien
SCN1A	2	166908298	T	A	299	N	Y	0.094	Likely Benien
SCN1A	2	166908298	T	C	299	N	D	0.092	Likely Benien
SCN1A	2	166908298	T	G	299	N	H	0.200	Likely Benien
SCN1A	2	166908297	T	A	299	N	I	0.191	Likely Benien
SCN1A	2	166908297	T	C	299	N	S	0.148	Likely Benien
SCN1A	2	166908297	T	G	299	N	T	0.107	Likely Benien
SCN1A	2	166908296	A	C	299	N	K	0.177	Likely Benien
SCN1A	2	166908296	A	T	299	N	K	0.191	Likely Benien
SCN1A	2	166908295	A	C	300	Y	D	0.229	Likely Benien
SCN1A	2	166908295	A	G	300	Y	H	0.323	Likely Benien
SCN1A	2	166908295	A	T	300	Y	N	0.214	Likely Benien
SCN1A	2	166908294	T	A	300	Y	F	0.213	Likely Benien
SCN1A	2	166908294	T	C	300	Y	C	0.350	Likely Benien
SCN1A	2	166908294	T	G	300	Y	S	0.253	Likely Benien
SCN1A	2	166908292	T	A	301	N	Y	0.916	Likely Pathoaenic
SCN1A	2	166908292	T	C	301	N	D	0.600	Likely Benien
SCN1A	2	166908292	T	G	301	N	H	0.733	Likely Benien
SCN1A	2	166908291	T	A	301	N	I	0.916	Likely Pathoaenic
SCN1A	2	166908291	T	C	301	N	S	0.770	Likely Benien
SCN1A	2	166908291	T	G	301	N	T	0.840	Likely Pathoaenic
SCN1A	2	166908290	A	C	301	N	K	0.623	Likely Benien
SCN1A	2	166908290	A	T	301	N	K	0.629	Likely Benien
SCN1A	2	166908289	C	A	302	G	C	0.889	Likely Pathoaenic
SCN1A	2	166908289	C	G	302	G	R	0.546	Likely Benien
SCN1A	2	166908289	C	T	302	G	S	0.465	Likely Benien
SCN1A	2	166908288	C	A	302	G	V	0.585	Likely Benien
SCN1A	2	166908288	C	G	302	G	A	0.350	Likely Benien
SCN1A	2	166908288	C	T	302	G	D	0.281	Likely Benien
SCN1A	2	166908286	T	A	303	T	S	0.222	Likely Benien
SCN1A	2	166908286	T	C	303	T	A	0.525	Likely Benien
SCN1A	2	166908286	T	G	303	T	P	0.481	Likely Benien
SCN1A	2	166908285	G	A	303	T	I	0.346	Likely Benien
SCN1A	2	166908285	G	C	303	T	R	0.817	Likely Pathoaenic
SCN1A	2	166908285	G	T	303	T	K	0.386	Likely Benien
SCN1A	2	166908283	G	A	304	L	F	0.206	Likely Benien
SCN1A	2	166908283	G	C	304	L	V	0.202	Likely Benien
SCN1A	2	166908283	G	T	304	L	I	0.179	Likely Benien
SCN1A	2	166908282	A	C	304	L	R	0.372	Likely Benien
SCN1A	2	166908282	A	G	304	L	P	0.377	Likely Benien
SCN1A	2	166908282	A	T	304	L	H	0.616	Likely Benien
SCN1A	2	166908280	T	A	305	I	L	0.160	Likely Benien
SCN1A	2	166908280	T	C	305	I	V	0.128	Likely Benien
SCN1A	2	166908280	T	G	305	I	L	0.160	Likely Benien
SCN1A	2	166908279	A	C	305	I	R	0.269	Likely Benien
SCN1A	2	166908279	A	G	305	I	T	0.146	Likely Benien
SCN1A	2	166908279	A	T	305	I	K	0.237	Likely Benien
SCN1A	2	166908278	T	C	305	I	M	0.275	Likely Benien
SCN1A	2	166908277	T	A	306	N	Y	0.844	Likely Pathoaenic
SCN1A	2	166908277	T	C	306	N	D	0.740	Likely Benien
SCN1A	2	166908277	T	G	306	N	H	0.837	Likely Pathoaenic
SCN1A	2	166908276	T	A	306	N	I	0.827	Likely Pathoaenic
SCN1A	2	166908276	T	C	306	N	S	0.594	Likely Benien
SCN1A	2	166908276	T	G	306	N	T	0.739	Likely Benien
SCN1A	2	166908275	A	C	306	N	K	0.595	Likely Benien
SCN1A	2	166908275	A	T	306	N	K	0.595	Likely Benien
SCN1A	2	166908274	C	G	307	E	Q	0.156	Likely Benien
SCN1A	2	166908274	C	T	307	E	K	0.113	Likely Benien
SCN1A	2	166908273	T	A	307	E	V	0.106	Likely Benien
SCN1A	2	166908273	T	C	307	E	G	0.160	Likely Benien
SCN1A	2	166908273	T	G	307	E	A	0.089	Likely Benien
SCN1A	2	166908272	T	A	307	E	D	0.109	Likely Benien
SCN1A	2	166908272	T	G	307	E	D	0.110	Likely Benien
SCN1A	2	166908271	T	A	308	T	S	0.423	Likely Benien
SCN1A	2	166908271	T	C	308	T	A	0.563	Likely Benien
SCN1A	2	166908271	T	G	308	T	P	0.819	Likely Pathoaenic
SCN1A	2	166908270	G	A	308	T	I	0.600	Likely Benien
SCN1A	2	166908270	G	C	308	T	S	0.273	Likely Benien
SCN1A	2	166908270	G	T	308	T	N	0.372	Likely Benien
SCN1A	2	166908268	C	A	309	V	F	0.246	Likely Benien
SCN1A	2	166908268	C	G	309	V	L	0.074	Likely Benien
SCN1A	2	166908268	C	T	309	V	I	0.120	Likely Benien
SCN1A	2	166908267	A	C	309	V	G	0.114	Likely Benien
SCN1A	2	166908267	A	G	309	V	A	0.105	Likely Benien
SCN1A	2	166908267	A	T	309	V	D	0.108	Likely Benien
SCN1A	2	166908265	A	C	310	F	V	0.061	Likely Benien
SCN1A	2	166908265	A	G	310	F	L	0.056	Likely Benien
SCN1A	2	166908265	A	T	310	F	I	0.063	Likely Benien
SCN1A	2	166908264	A	C	310	F	C	0.082	Likely Benien
SCN1A	2	166908264	A	G	310	F	S	0.029	Likely Benien
SCN1A	2	166908264	A	T	310	F	Y	0.078	Likely Benien
SCN1A	2	166908263	A	C	310	F	L	0.058	Likely Benien
SCN1A	2	166908263	A	T	310	F	L	0.058	Likely Benien
SCN1A	2	166908262	C	G	311	E	Q	0.168	Likely Benien
SCN1A	2	166908262	C	T	311	E	K	0.170	Likely Benien
SCN1A	2	166908261	T	A	311	E	V	0.144	Likely Benien
SCN1A	2	166908261	T	C	311	E	G	0.113	Likely Benien

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166166991	T	C	286	S	P	0.23	Likely Benign
SCN2A	2	166166991	T	G	286	S	A	0.164	Likely Benign
SCN2A	2	166166992	C	A	286	S	Y	0.201	Likely Benign
SCN2A	2	166166992	C	G	286	S	C	0.218	Likely Benign
SCN2A	2	166166992	C	T	286	S	F	0.194	Likely Benign
SCN2A	2	166166994	T	A	287	S	T	0.104	Likely Benign
SCN2A	2	166166994	T	C	287	S	P	0.268	Likely Benign
SCN2A	2	166166994	T	G	287	S	A	0.178	Likely Benign
SCN2A	2	166166995	A	C	287	S	W	0.222	Likely Benign
SCN2A	2	166166995	C	G	287	S	C	0.406	Likely Benign
SCN2A	2	166166995	C	T	287	S	F	0.268	Likely Benign
SCN2A	2	166166997	A	C	288	F	L	0.114	Likely Benign
SCN2A	2	166166997	T	C	288	F	L	0.06	Likely Benign
SCN2A	2	166166997	T	G	288	F	V	0.12	Likely Benign
SCN2A	2	166166998	A	C	288	F	V	0.098	Likely Benign
SCN2A	2	166166998	T	C	288	F	S	0.12	Likely Benign
SCN2A	2	166166998	T	G	288	F	C	0.167	Likely Benign
SCN2A	2	166166999	T	A	288	F	L	0.062	Likely Benign
SCN2A	2	166166999	T	G	288	F	L	0.062	Likely Benign
SCN2A	2	166167000	G	A	289	E	K	0.199	Likely Benign
SCN2A	2	166167000	G	C	289	E	Q	0.2	Likely Benign
SCN2A	2	166167001	A	C	289	E	A	0.154	Likely Benign
SCN2A	2	166167001	A	G	289	E	G	0.171	Likely Benign
SCN2A	2	166167001	A	T	289	E	V	0.162	Likely Benign
SCN2A	2	166167002	A	C	289	E	D	0.09	Likely Benign
SCN2A	2	166167002	A	T	289	E	D	0.09	Likely Benign
SCN2A	2	166167003	A	C	290	I	L	0.137	Likely Benign
SCN2A	2	166167003	A	G	290	I	V	0.144	Likely Benign
SCN2A	2	166167003	A	T	290	I	L	0.137	Likely Benign
SCN2A	2	166167004	T	A	290	I	K	0.174	Likely Benign
SCN2A	2	166167004	T	C	290	I	T	0.092	Likely Benign
SCN2A	2	166167004	T	G	290	I	R	0.174	Likely Benign
SCN2A	2	166167005	A	G	290	I	M	0.177	Likely Benign
SCN2A	2	166167006	A	C	291	N	H	0.217	Likely Benign
SCN2A	2	166167006	A	G	291	N	D	0.17	Likely Benign
SCN2A	2	166167006	A	T	291	N	Y	0.227	Likely Benign
SCN2A	2	166167007	A	C	291	N	T	0.165	Likely Benign
SCN2A	2	166167007	A	G	291	N	S	0.185	Likely Benign
SCN2A	2	166167007	A	T	291	N	I	0.292	Likely Benign
SCN2A	2	166167008	T	A	291	N	K	0.205	Likely Benign
SCN2A	2	166167008	T	G	291	N	K	0.207	Likely Benign
SCN2A	2	166167009	A	C	292	I	L	0.088	Likely Benign
SCN2A	2	166167009	A	G	292	I	V	0.201	Likely Benign
SCN2A	2	166167009	A	T	292	I	F	0.204	Likely Benign
SCN2A	2	166167010	T	A	292	N	N	0.212	Likely Benign
SCN2A	2	166167010	T	C	292	I	T	0.119	Likely Benign
SCN2A	2	166167010	T	G	292	I	S	0.192	Likely Benign
SCN2A	2	166167011	C	G	292	I	M	0.237	Likely Benign
SCN2A	2	166167012	A	C	293	T	P	0.19	Likely Benign
SCN2A	2	166167012	A	G	293	T	A	0.157	Likely Benign
SCN2A	2	166167012	A	T	293	T	S	0.161	Likely Benign
SCN2A	2	166167013	C	A	293	T	N	0.176	Likely Benign
SCN2A	2	166167013	C	G	293	T	S	0.154	Likely Benign
SCN2A	2	166167013	C	T	293	T	I	0.167	Likely Benign
SCN2A	2	166167015	T	A	294	S	T	0.175	Likely Benign
SCN2A	2	166167015	T	C	294	S	P	0.137	Likely Benign
SCN2A	2	166167015	T	G	294	S	A	0.163	Likely Benign
SCN2A	2	166167016	C	A	294	S	Y	0.175	Likely Benign
SCN2A	2	166167016	C	G	294	S	C	0.192	Likely Benign
SCN2A	2	166167016	C	T	294	S	F	0.196	Likely Benign
SCN2A	2	166167018	T	A	295	F	I	0.138	Likely Benign
SCN2A	2	166167018	T	C	295	F	L	0.117	Likely Benign
SCN2A	2	166167018	T	G	295	F	V	0.122	Likely Benign
SCN2A	2	166167019	T	A	295	F	Y	0.08	Likely Benign
SCN2A	2	166167019	T	C	295	F	S	0.102	Likely Benign
SCN2A	2	166167019	T	G	295	F	C	0.139	Likely Benign
SCN2A	2	166167020	C	A	295	F	L	0.117	Likely Benign
SCN2A	2	166167020	C	G	295	F	L	0.117	Likely Benign
SCN2A	2	166167021	T	A	296	F	I	0.168	Likely Benign
SCN2A	2	166167021	T	C	296	F	L	0.116	Likely Benign
SCN2A	2	166167021	T	G	296	F	V	0.139	Likely Benign
SCN2A	2	166167022	T	A	296	F	Y	0.141	Likely Benign
SCN2A	2	166167022	T	C	296	F	S	0.199	Likely Benign
SCN2A	2	166167022	T	G	296	F	C	0.257	Likely Benign
SCN2A	2	166167023	T	A	296	F	L	0.116	Likely Benign
SCN2A	2	166167023	T	G	296	F	L	0.115	Likely Benign
SCN2A	2	166167024	A	C	297	N	H	0.337	Likely Benign
SCN2A	2	166167024	A	G	297	N	D	0.229	Likely Benign
SCN2A	2	166167024	A	T	297	N	Y	0.259	Likely Benign
SCN2A	2	166167025	A	C	297	N	T	0.249	Likely Benign
SCN2A	2	166167025	A	G	297	N	S	0.272	Likely Benign
SCN2A	2	166167025	A	T	297	N	I	0.376	Likely Benign
SCN2A	2	166167026	C	A	297	N	K	0.317	Likely Benign
SCN2A	2	166167026	C	G	297	N	K	0.312	Likely Benign
SCN2A	2	166167027	A	C	298	N	H	0.145	Likely Benign
SCN2A	2	166167027	A	G	298	N	D	0.11	Likely Benign
SCN2A	2	166167027	A	T	298	N	Y	0.17	Likely Benign
SCN2A	2	166167028	A	C	298	N	T	0.085	Likely Benign
SCN2A	2	166167028	A	G	298	N	S	0.078	Likely Benign
SCN2A	2	166167028	A	T	298	N	I	0.15	Likely Benign
SCN2A	2	166167029	T	A	298	N	K	0.135	Likely Benign
SCN2A	2	166167029	T	G	298	N	K	0.134	Likely Benign
SCN2A	2	166167030	T	A	299	S	T	0.047	Likely Benign
SCN2A	2	166167030	T	C	299	S	P	0.109	Likely Benign
SCN2A	2	166167030	T	G	299	S	A	0.135	Likely Benign
SCN2A	2	166167031	C	T	299	S	L	0.14	Likely Benign
SCN2A	2	166167033	T	A	300	L	M	0.155	Likely Benign
SCN2A	2	166167033	T	G	300	L	V	0.137	Likely Benign
SCN2A	2	166167034	T	C	300	L	S	0.156	Likely Benign
SCN2A	2	166167034	T	G	300	L	W	0.21	Likely Benign
SCN2A	2	166167035	G	T	300	L	F	0.11	Likely Benign
SCN2A	2	166167035	G	T	300	L	F	0.11	Likely Benign
SCN2A	2	166167036	G	A	301	D	N	0.14	Likely Benign
SCN2A	2	166167036	G	C	301	D	H	0.234	Likely Benign
SCN2A	2	166167036	G	T	301	D	Y	0.234	Likely Benign
SCN2A	2	166167037	A	C	301	D	A	0.21	Likely Benign
SCN2A	2	166167037	A	G	301	D	G	0.166	Likely Benign
SCN2A	2	166167037	A	T	301	D	V	0.213	Likely Benign
SCN2A	2	166167038	T	A	301	D	E	0.122	Likely Benign
SCN2A	2	166167038	T	G	301	D	E	0.122	Likely Benign
SCN2A	2	166167039	G	A	302	G	R	0.17	Likely Benign
SCN2A	2	166167039	G	C	302	G	R	0.171	Likely Benign
SCN2A	2	166167039	G	T	302	G	W	0.132	Likely Benign
SCN2A	2	166167040	A	C	302	G	E	0.117	Likely Benign
SCN2A	2	166167040	G	C	302	G	A	0.142	Likely Benign
SCN2A	2	166167040	G	T	302	G	V	0.123	Likely Benign
SCN2A	2	166167042	A	C	303	N	H	0.217	Likely Benign
SCN2A	2	166167042	A	G	303	N	D	0.218	Likely Benign
SCN2A	2	166167042	A	T	303	N	Y	0.339	Likely Benign
SCN2A	2	166167043	A	C	303	N	T	0.228	Likely Benign
SCN2A	2	166167043	A	G	303	N	S	0.214	Likely Benign
SCN2A	2	166167043	A	T	303	N	I	0.293	Likely Benign
SCN2A	2	166167044	T	A	303	N	K	0.266	Likely Benign
SCN2A	2	166167044	T	G	303	N	K	0.26	Likely Benign
SCN2A	2	166167045	G	A	304	G	S	0.172	Likely Benign
SCN2A	2	166167045	G	C	304	G	R	0.19	Likely Benign
SCN2A	2	166167045	G	T	304	G	C	0.212	Likely Benign
SCN2A	2	166167046	G	A	304	G	D	0.179	Likely Benign
SCN2A	2	166167046	G	C	304	G	A	0.188	Likely Benign
SCN2A	2	166167046	G	T	304	G	V	0.273	Likely Benign
SCN2A	2	166167048	A	C	305	T	P	0.203	Likely Benign
SCN2A	2	166167048	A	G	305	T	A	0.239	Likely Benign
SCN2A	2	166167048	A	T	305	T	S	0.133	Likely Benign
SCN2A	2	166167049	C	A	305	T	N	0.141	Likely Benign
SCN2A	2	166167049	C	G	305	T	S	0.122	Likely Benign
SCN2A	2	166167049	C	T	305	T	I	0.193	Likely Benign
SCN2A	2	166167051	A	C	306	T	P	0.199	Likely Benign
SCN2A	2	166167051	A	G	306	T	A	0.151	Likely Benign
SCN2A	2	166167051	A	T	306	T	S	0.165	Likely Benign
SCN2A	2	166167052	C	A	306	T	N	0.18	Likely Benign
SCN2A	2	166167052	C	G	306	T	S	0.163	Likely Benign
SCN2A	2	166167052	C	T	306	T	I	0.155	Likely Benign
SCN2A	2	166167054	T	A	307	F	I	0.071	Likely Benign
SCN2A	2	166167054	T	C	307	F	L	0.079	Likely Benign
SCN2A	2	166167054	T	G	307	F	V	0.074	Likely Benign
SCN2A	2	166167055	T	A	307	F	Y	0.235	Likely Benign
SCN2A	2	166167055	T	C	307	F	S	0.073	Likely Benign
SCN2A	2	166167055	T	G	307	F	C	0.101	Likely Benign
SCN2A	2	166167056	C	A	307	F	L	0.077	Likely Benign
SCN2A	2	166167056	C	G	307	F	L	0.08	Likely Benign
SCN2A	2	166167057	A	C	308	N	H	0.319	Likely Benign
SCN2A	2	166167057	A	G	308	N	D	0.193	Likely Benign
SCN2A	2	166167057	A	T	308	N	Y	0.311	Likely Benign
SCN2A	2	166167058	A	C	308	N	T	0.212	Likely Benign
SCN2A	2	166167058	A	G	308	N	S	0.19	Likely Benign
SCN2A	2	166167058	A	T	308	N	I	0.372	Likely Benign
SCN2A	2	166167059	T	A	308	N	K	0.29	Likely Benign
SCN2A	2	166167059	T	C	308	N	K	0.283	Likely Benign
SCN2A	2	166167060	A	G	309	R	G	0.139	Likely Benign
SCN2A	2	166167060	A	T	309	R	W	0.355	Likely Benign
SCN2A	2	166167061	G	A	309	R	K	0.141	Likely Benign
SCN2A	2	166167061	G	C	309	R	T	0.087	Likely Benign
SCN2A	2	166167061	G	T	309	R	M	0.145	Likely Benign
SCN2A	2	166167062	G	C	309	R	S	0.117	Likely Benign
SCN2A	2	166167062	G	T	309	R	S	0.117	Likely Benign
SCN2A	2	166167063	A	C	310	T	P	0.322	Likely Benign
SCN2A	2	166167063	A	G	310	T	A	0.195	Likely Benign
SCN2A	2	166167063	A	T	310	T	S	0.18	Likely Benign
SCN2A	2	166167064	C	A	310	T	K	0.239	Likely Benign
SCN2A	2	166167064	C	G	310	T	R	0.334	Likely Benign
SCN2A	2	166167064	C	T	310	T	I	0.24	Likely Benign
SCN2A	2	166167066	G	A	311	V	M	0.107	Likely Benign
SCN2A	2	166167066	G	C	311	V	L	0.076	Likely Benign
SCN2A	2	166167066	G	T	311	V	L	0.076	Likely Benign
SCN2A	2	166167067	T	A	311	V	E	0.091	Likely Benign
SCN2A	2	166167067	T	C	311	V	A	0.087	Likely Benign
SCN2A	2	166167067	T	G	311	V	G	0.125	Likely Benign
SCN2A	2	166167069	A	C	312	S	R	0.24	Likely Benign
SCN2A	2	166167069	A	G	312

			REF_N	ALT_	Amino	AA_R	AA_A		
GENE	CHR	DNA_LOC	T	NT	Acid	EF	LT	SCN Index	SCN Index Prediction
SCN1A	2	166908261	T	G	311	E	A	0.137	Likely Benign
SCN1A	2	166908260	C	A	311	E	D	0.176	Likely Benign
SCN1A	2	166908260	C	G	311	E	D	0.168	Likely Benign
SCN1A	2	166908259	A	C	312	F	V	0.631	Likely Benign
SCN1A	2	166908259	A	G	312	F	L	0.496	Likely Benign
SCN1A	2	166908259	A	T	312	F	I	0.722	Likely Benign
SCN1A	2	166908258	A	C	312	F	C	0.905	Likely Pathoeenic
SCN1A	2	166908258	A	G	312	F	S	0.815	Likely Pathoeenic
SCN1A	2	166908258	A	T	312	F	Y	0.793	Likely Pathoeenic
SCN1A	2	166908257	A	C	312	F	L	0.474	Likely Benign
SCN1A	2	166908257	A	T	312	F	L	0.495	Likely Benign
SCN1A	2	166908256	C	A	313	D	Y	0.785	Likely Pathoeenic
SCN1A	2	166908256	C	G	313	D	H	0.857	Likely Pathoeenic
SCN1A	2	166908256	C	T	313	D	N	0.127	Likely Benign
SCN1A	2	166908255	T	A	313	D	V	0.743	Likely Benign
SCN1A	2	166908255	T	C	313	D	G	0.480	Likely Benign
SCN1A	2	166908255	T	G	313	D	A	0.586	Likely Benign
SCN1A	2	166908254	G	C	313	D	E	0.195	Likely Benign
SCN1A	2	166908254	G	T	313	D	E	0.194	Likely Benign
SCN1A	2	166908253	A	C	314	W	G	0.964	Likely Pathoeenic
SCN1A	2	166908253	A	G	314	W	R	0.819	Likely Pathoeenic
SCN1A	2	166908253	A	T	314	W	R	0.818	Likely Pathoeenic
SCN1A	2	166908252	C	A	314	W	L	0.808	Likely Pathoeenic
SCN1A	2	166908252	C	G	314	W	S	0.920	Likely Pathoeenic
SCN1A	2	166908251	C	A	314	W	C	0.894	Likely Pathoeenic
SCN1A	2	166908251	C	G	314	W	C	0.893	Likely Pathoeenic
SCN1A	2	166908250	T	C	315	K	E	0.083	Likely Benign
SCN1A	2	166908250	T	G	315	K	Q	0.271	Likely Benign
SCN1A	2	166908249	T	A	315	K	M	0.723	Likely Benign
SCN1A	2	166908249	T	C	315	K	R	0.234	Likely Benign
SCN1A	2	166908249	T	G	315	K	T	0.129	Likely Benign
SCN1A	2	166908248	C	A	315	K	N	0.202	Likely Benign
SCN1A	2	166908248	C	G	315	K	N	0.200	Likely Benign
SCN1A	2	166908247	A	C	316	S	A	0.063	Likely Benign
SCN1A	2	166908247	A	G	316	S	P	0.260	Likely Benign
SCN1A	2	166908247	A	T	316	S	T	0.183	Likely Benign
SCN1A	2	166908246	G	A	316	S	L	0.171	Likely Benign
SCN1A	2	166908244	A	C	317	Y	D	0.957	Likely Pathoeenic
SCN1A	2	166908244	A	G	317	Y	H	0.578	Likely Benign
SCN1A	2	166908244	A	T	317	Y	N	0.940	Likely Pathoeenic
SCN1A	2	166908243	T	A	317	Y	F	0.388	Likely Benign
SCN1A	2	166908243	T	C	317	Y	C	0.779	Likely Benign
SCN1A	2	166908243	T	G	317	Y	S	0.882	Likely Pathoeenic
SCN1A	2	166908241	T	A	318	I	F	0.792	Likely Pathoeenic
SCN1A	2	166908241	T	C	318	I	V	0.164	Likely Benign
SCN1A	2	166908241	T	G	318	I	L	0.211	Likely Benign
SCN1A	2	166908240	C	A	318	I	S	0.411	Likely Benign
SCN1A	2	166908240	A	G	318	I	T	0.359	Likely Benign
SCN1A	2	166908240	A	T	318	I	N	0.722	Likely Benign
SCN1A	2	166908239	A	C	318	I	M	0.374	Likely Benign
SCN1A	2	166908238	G	C	319	Q	E	0.032	Likely Benign
SCN1A	2	166908238	G	T	319	Q	K	0.053	Likely Benign
SCN1A	2	166908237	T	A	319	Q	L	0.062	Likely Benign
SCN1A	2	166908237	T	C	319	Q	R	0.082	Likely Benign
SCN1A	2	166908237	T	G	319	Q	P	0.097	Likely Benign
SCN1A	2	166908236	A	A	319	Q	H	0.108	Likely Benign
SCN1A	2	166908236	T	G	319	Q	H	0.103	Likely Benign
SCN1A	2	166908235	C	A	320	D	Y	0.786	Likely Pathoeenic
SCN1A	2	166908235	C	G	320	D	H	0.869	Likely Pathoeenic
SCN1A	2	166908235	C	T	320	D	N	0.304	Likely Benign
SCN1A	2	166908234	T	A	320	D	V	0.919	Likely Pathoeenic
SCN1A	2	166908234	T	C	320	D	G	0.886	Likely Pathoeenic
SCN1A	2	166908234	T	G	320	D	A	0.899	Likely Pathoeenic
SCN1A	2	166908233	A	C	320	D	E	0.344	Likely Benign
SCN1A	2	166908233	A	T	320	D	E	0.340	Likely Benign
SCN1A	2	166908232	A	C	321	S	A	0.148	Likely Benign
SCN1A	2	166908232	A	G	321	S	P	0.102	Likely Benign
SCN1A	2	166908232	A	T	321	S	T	0.152	Likely Benign
SCN1A	2	166908231	G	A	321	S	L	0.173	Likely Benign
SCN1A	2	166908229	T	C	322	R	G	0.156	Likely Benign
SCN1A	2	166905458	T	A	322	R	S	0.057	Likely Benign
SCN1A	2	166905458	T	G	322	R	S	0.058	Likely Benign
SCN1A	2	166905457	A	C	323	Y	D	0.329	Likely Benign
SCN1A	2	166905457	A	G	323	Y	H	0.125	Likely Benign
SCN1A	2	166905457	A	T	323	Y	N	0.049	Likely Benign
SCN1A	2	166905456	T	A	323	Y	F	0.447	Likely Benign
SCN1A	2	166905456	T	C	323	Y	C	0.821	Likely Pathoeenic
SCN1A	2	166905456	T	G	323	Y	S	0.482	Likely Benign
SCN1A	2	166905454	G	A	324	H	Y	0.065	Likely Benign
SCN1A	2	166905454	G	C	324	H	D	0.378	Likely Benign
SCN1A	2	166905454	G	T	324	H	N	0.170	Likely Benign
SCN1A	2	166905453	T	A	324	H	L	0.186	Likely Benign
SCN1A	2	166905453	T	C	324	H	R	0.373	Likely Benign
SCN1A	2	166905453	T	G	324	H	P	0.608	Likely Benign
SCN1A	2	166905452	A	C	324	H	Q	0.137	Likely Benign
SCN1A	2	166905452	A	T	324	H	Q	0.137	Likely Benign
SCN1A	2	166905451	A	C	325	Y	D	0.967	Likely Pathoeenic
SCN1A	2	166905451	A	G	325	Y	H	0.897	Likely Pathoeenic
SCN1A	2	166905451	A	T	325	Y	N	0.941	Likely Pathoeenic
SCN1A	2	166905450	T	A	325	Y	F	0.638	Likely Benign
SCN1A	2	166905450	T	C	325	Y	C	0.935	Likely Pathoeenic
SCN1A	2	166905450	T	G	325	Y	S	0.963	Likely Pathoeenic
SCN1A	2	166905448	A	C	326	F	V	0.291	Likely Benign
SCN1A	2	166905448	A	G	326	F	L	0.353	Likely Benign
SCN1A	2	166905448	A	T	326	F	I	0.344	Likely Benign
SCN1A	2	166905447	A	C	326	F	C	0.917	Likely Pathoeenic
SCN1A	2	166905447	A	G	326	F	S	0.733	Likely Benign
SCN1A	2	166905447	A	T	326	F	Y	0.144	Likely Benign
SCN1A	2	166905446	G	C	326	F	L	0.293	Likely Benign
SCN1A	2	166905446	G	T	326	F	L	0.309	Likely Benign
SCN1A	2	166905445	G	C	327	L	V	0.193	Likely Benign
SCN1A	2	166905445	G	T	327	L	M	0.475	Likely Benign
SCN1A	2	166905444	A	C	327	L	R	0.899	Likely Pathoeenic
SCN1A	2	166905444	A	G	327	L	P	0.931	Likely Pathoeenic
SCN1A	2	166905444	A	T	327	L	Q	0.930	Likely Pathoeenic
SCN1A	2	166905442	C	G	328	E	Q	0.478	Likely Benign
SCN1A	2	166905442	C	T	328	E	K	0.764	Likely Benign
SCN1A	2	166905441	T	A	328	E	V	0.895	Likely Pathoeenic
SCN1A	2	166905441	T	C	328	E	G	0.882	Likely Pathoeenic
SCN1A	2	166905441	T	G	328	E	A	0.874	Likely Pathoeenic
SCN1A	2	166905440	C	A	328	E	D	0.209	Likely Benign
SCN1A	2	166905440	C	G	328	E	D	0.209	Likely Benign
SCN1A	2	166905439	C	A	329	G	C	0.985	Likely Pathoeenic
SCN1A	2	166905439	C	G	329	G	R	0.969	Likely Pathoeenic
SCN1A	2	166905439	C	T	329	G	S	0.962	Likely Pathoeenic
SCN1A	2	166905438	C	A	329	G	V	0.969	Likely Pathoeenic
SCN1A	2	166905438	C	G	329	G	A	0.913	Likely Pathoeenic
SCN1A	2	166905438	C	T	329	G	D	0.899	Likely Pathoeenic
SCN1A	2	166905436	A	C	330	F	V	0.109	Likely Benign
SCN1A	2	166905436	A	G	330	F	L	0.112	Likely Benign
SCN1A	2	166905436	A	T	330	F	I	0.144	Likely Benign
SCN1A	2	166905435	A	C	330	F	C	0.232	Likely Benign
SCN1A	2	166905435	A	G	330	F	S	0.052	Likely Benign
SCN1A	2	166905435	A	T	330	F	Y	0.173	Likely Benign
SCN1A	2	166905434	A	C	330	F	L	0.123	Likely Benign
SCN1A	2	166905434	A	T	330	F	L	0.120	Likely Benign
SCN1A	2	166905433	A	C	331	L	V	0.201	Likely Benign
SCN1A	2	166905433	A	T	331	L	I	0.199	Likely Benign
SCN1A	2	166905432	A	G	331	L	S	0.123	Likely Benign
SCN1A	2	166905431	T	A	331	L	F	0.346	Likely Benign
SCN1A	2	166905431	T	G	331	L	F	0.365	Likely Benign
SCN1A	2	166905430	C	A	332	D	Y	0.958	Likely Pathoeenic
SCN1A	2	166905430	C	G	332	D	H	0.961	Likely Pathoeenic
SCN1A	2	166905430	C	T	332	D	N	0.888	Likely Pathoeenic
SCN1A	2	166905429	T	A	332	D	V	0.971	Likely Pathoeenic
SCN1A	2	166905429	T	C	332	D	G	0.943	Likely Pathoeenic
SCN1A	2	166905429	T	G	332	D	A	0.946	Likely Pathoeenic
SCN1A	2	166905428	A	C	332	D	E	0.561	Likely Benign
SCN1A	2	166905428	A	T	332	D	E	0.571	Likely Benign
SCN1A	2	166905427	C	A	333	A	S	0.579	Likely Benign
SCN1A	2	166905427	C	G	333	A	P	0.256	Likely Benign
SCN1A	2	166905427	C	T	333	A	T	0.719	Likely Benign
SCN1A	2	166905426	G	A	333	A	V	0.511	Likely Benign
SCN1A	2	166905426	G	C	333	A	G	0.843	Likely Pathoeenic
SCN1A	2	166905426	G	T	333	A	E	0.767	Likely Benign
SCN1A	2	166905424	G	C	334	L	V	0.714	Likely Benign
SCN1A	2	166905424	G	T	334	L	I	0.776	Likely Benign
SCN1A	2	166905423	A	C	334	L	R	0.911	Likely Pathoeenic
SCN1A	2	166905423	A	G	334	L	P	0.861	Likely Pathoeenic
SCN1A	2	166905423	A	T	334	L	Q	0.882	Likely Pathoeenic
SCN1A	2	166905421	G	C	335	L	V	0.749	Likely Benign
SCN1A	2	166905421	G	T	335	L	I	0.552	Likely Benign
SCN1A	2	166905420	A	C	335	L	R	0.972	Likely Pathoeenic
SCN1A	2	166905420	A	G	335	L	P	0.913	Likely Pathoeenic
SCN1A	2	166905420	A	T	335	L	Q	0.961	Likely Pathoeenic
SCN1A	2	166905418	A	C	336	C	G	0.978	Likely Pathoeenic
SCN1A	2	166905418	A	G	336	C	R	0.987	Likely Pathoeenic
SCN1A	2	166905418	A	T	336	C	S	0.977	Likely Pathoeenic
SCN1A	2	166905417	C	A	336	C	F	0.986	Likely Pathoeenic
SCN1A	2	166905417	C	G	336	C	S	0.978	Likely Pathoeenic
SCN1A	2	166905417	C	T	336	C	Y	0.991	Likely Pathoeenic
SCN1A	2	166905416	A	C	336	C	W	0.989	Likely Pathoeenic
SCN1A	2	166905415	C	G	337	G	R	0.980	Likely Pathoeenic
SCN1A	2	166905415	C	T	337	G	R	0.980	Likely Pathoeenic
SCN1A	2	166905414	C	A	337	G	V	0.984	Likely Pathoeenic
SCN1A	2	166905414	C	G	337	G	A	0.958	Likely Pathoeenic
SCN1A	2	166905414	C	T	337	G	E	0.986	Likely Pathoeenic
SCN1A	2	166905412	T	A	338	N	Y	0.958	Likely Pathoeenic
SCN1A	2	166905412	T	C	338	N	D	0.904	Likely Pathoeenic
SCN1A	2	166905412	T	G	338	N	H	0.969	Likely Pathoeenic
SCN1A	2	166905411	T	A	338	N	I	0.967	Likely Pathoeenic
SCN1A	2	166905411	T	C	338	N	S	0.859	Likely Pathoeenic
SCN1A	2	166905411	T	G	338	N	T	0.895	Likely Pathoeenic
SCN1A	2	166905410	A	C	338	N	K	0.931	Likely Pathoeenic
SCN1A	2	166905410	A	T	338	N	K	0.935	Likely Pathoeenic
SCN1A	2	166905409	T	A	339	S	C	0.931	Likely Pathoeenic
SCN1A	2	166905409	T	C	339	S	G	0.216	Likely Benign
SCN1A	2	166905409	T	G	339	S	R	0.879	Likely Pathoeenic
SCN1A	2	166905408	C	A	339	S	I	0.784	Likely Pathoeenic
SCN1A	2	166905408	C	T	339	S	T	0.399	Likely Benign
SCN1A	2	166905408	C	G	339	S	R	0.661	Likely Benign
SCN1A	2	166905407	G	C	339	S	R	0.850	Likely Pathoeenic
SCN1A	2	166905407	G	T	339	S	R	0.852	Likely Pathoeenic
SCN1A	2	166905406	A	C	340	S	A	0.861	Likely Pathoeenic
SCN1A	2	166905406	A	G	340	S	P	0.888	Likely Pathoeenic
SCN1A	2	166905406	A	T	340	S	T	0.508	Likely Benign
SCN1A	2	166905405	G	A	340	S	F	0.961	Likely Pathoeenic

			REF_	ALT_	Amino	AA_R	AA_A		
GENE	CHR	DNA_LOC	NT	NT	Acid	EF	LT	SCN Index	SCN Index Prediction
SCN2A	2	166167072	A	T	313	I	L	0.12	Likely Benign
SCN2A	2	166167073	T	A	313	I	K	0.149	Likely Benign
SCN2A	2	166167073	T	C	313	I	T	0.035	Likely Benign
SCN2A	2	166167073	T	G	313	I	R	0.15	Likely Benign
SCN2A	2	166167074	A	G	313	I	M	0.118	Likely Benign
SCN2A	2	166167075	T	A	314	F	I	0.23	Likely Benign
SCN2A	2	166167075	T	C	314	F	L	0.192	Likely Benign
SCN2A	2	166167075	T	G	314	F	V	0.24	Likely Benign
SCN2A	2	166167076	T	A	314	F	Y	0.245	Likely Benign
SCN2A	2	166167076	T	C	314	F	S	0.255	Likely Benign
SCN2A	2	166167076	T	G	314	F	C	0.307	Likely Benign
SCN2A	2	166167077	A	G	314	F	L	0.185	Likely Benign
SCN2A	2	166167077	T	G	314	F	L	0.185	Likely Benign
SCN2A	2	166167078	A	C	315	N	H	0.486	Likely Benign
SCN2A	2	166167078	A	G	315	N	D	0.095	Likely Benign
SCN2A	2	166167078	A	T	315	N	Y	0.637	Likely Benign
SCN2A	2	166167079	A	C	315	N	T	0.231	Likely Benign
SCN2A	2	166167079	A	G	315	N	S	0.168	Likely Benign
SCN2A	2	166167079	A	T	315	N	I	0.365	Likely Benign
SCN2A	2	166167080	C	A	315	N	K	0.231	Likely Benign
SCN2A	2	166167080	C	G	315	N	K	0.227	Likely Benign
SCN2A	2	166167081	T	A	316	W	R	0.314	Likely Benign
SCN2A	2	166167081	T	C	316	W	R	0.293	Likely Benign
SCN2A	2	166167081	T	G	316	W	G	0.53	Likely Benign
SCN2A	2	166167082	G	C	316	W	S	0.334	Likely Benign
SCN2A	2	166167082	G	T	316	W	L	0.259	Likely Benign
SCN2A	2	166167083	G	C	316	W	C	0.253	Likely Benign
SCN2A	2	166167083	G	T	316	W	C	0.253	Likely Benign
SCN2A	2	166167084	G	A	317	D	N	0.121	Likely Benign
SCN2A	2	166167084	G	C	317	D	H	0.139	Likely Benign
SCN2A	2	166167084	G	T	317	D	Y	0.182	Likely Benign
SCN2A	2	166167085	A	C	317	D	A	0.142	Likely Benign
SCN2A	2	166167085	A	G	317	D	G	0.174	Likely Benign
SCN2A	2	166167085	A	T	317	D	V	0.171	Likely Benign
SCN2A	2	166167086	T	A	317	D	E	0.064	Likely Benign
SCN2A	2	166167086	T	G	317	D	E	0.064	Likely Benign
SCN2A	2	166167087	G	A	318	E	K	0.192	Likely Benign
SCN2A	2	166167087	G	C	318	E	Q	0.186	Likely Benign
SCN2A	2	166167088	A	C	318	E	A	0.113	Likely Benign
SCN2A	2	166167088	A	G	318	E	G	0.205	Likely Benign
SCN2A	2	166167088	A	T	318	E	V	0.222	Likely Benign
SCN2A	2	166167089	A	C	318	E	D	0.165	Likely Benign
SCN2A	2	166167089	A	T	318	E	D	0.165	Likely Benign
SCN2A	2	166167090	T	A	319	Y	N	0.614	Likely Benign
SCN2A	2	166167090	T	C	319	Y	H	0.255	Likely Benign
SCN2A	2	166167090	T	G	319	Y	D	0.615	Likely Benign
SCN2A	2	166167091	A	C	319	Y	S	0.446	Likely Benign
SCN2A	2	166167091	A	G	319	Y	C	0.396	Likely Benign
SCN2A	2	166167091	A	T	319	Y	F	0.189	Likely Benign
SCN2A	2	166167093	A	C	320	I	L	0.181	Likely Benign
SCN2A	2	166167093	A	G	320	I	V	0.149	Likely Benign
SCN2A	2	166167093	A	T	320	I	F	0.467	Likely Benign
SCN2A	2	166167094	T	A	320	I	N	0.281	Likely Benign
SCN2A	2	166167094	T	C	320	I	T	0.217	Likely Benign
SCN2A	2	166167094	T	G	320	I	S	0.253	Likely Benign
SCN2A	2	166167095	A	G	320	I	M	0.265	Likely Benign
SCN2A	2	166167096	G	A	321	E	K	0.139	Likely Benign
SCN2A	2	166167096	G	C	321	E	Q	0.172	Likely Benign
SCN2A	2	166167097	A	C	321	E	A	0.175	Likely Benign
SCN2A	2	166167097	A	G	321	E	G	0.177	Likely Benign
SCN2A	2	166167097	A	T	321	E	V	0.218	Likely Benign
SCN2A	2	166167098	G	C	321	E	D	0.159	Likely Benign
SCN2A	2	166167098	G	T	321	E	D	0.158	Likely Benign
SCN2A	2	166167099	G	A	322	D	N	0.088	Likely Benign
SCN2A	2	166167099	G	C	322	D	H	0.319	Likely Benign
SCN2A	2	166167099	G	T	322	D	Y	0.396	Likely Benign
SCN2A	2	166167100	A	C	322	D	A	0.432	Likely Benign
SCN2A	2	166167100	A	G	322	D	G	0.406	Likely Benign
SCN2A	2	166167100	A	T	322	D	V	0.502	Likely Benign
SCN2A	2	166167101	T	A	322	D	E	0.174	Likely Benign
SCN2A	2	166167101	T	G	322	D	E	0.174	Likely Benign
SCN2A	2	166167102	A	C	323	K	Q	0.2	Likely Benign
SCN2A	2	166167102	A	G	323	K	E	0.089	Likely Benign
SCN2A	2	166167103	A	C	323	K	T	0.181	Likely Benign
SCN2A	2	166167103	A	G	323	K	R	0.169	Likely Benign
SCN2A	2	166167103	A	T	323	K	I	0.288	Likely Benign
SCN2A	2	166167104	A	C	323	K	N	0.223	Likely Benign
SCN2A	2	166167104	A	T	323	K	N	0.232	Likely Benign
SCN2A	2	166168535	G	A	324	S	N	0.18	Likely Benign
SCN2A	2	166168535	G	C	324	S	T	0.14	Likely Benign
SCN2A	2	166168535	G	T	324	S	I	0.255	Likely Benign
SCN2A	2	166168536	T	A	324	S	R	0.2	Likely Benign
SCN2A	2	166168536	T	G	324	S	R	0.202	Likely Benign
SCN2A	2	166168537	C	A	325	H	N	0.023	Likely Benign
SCN2A	2	166168537	C	G	325	H	D	0.107	Likely Benign
SCN2A	2	166168537	C	T	325	H	Y	0.066	Likely Benign
SCN2A	2	166168538	A	C	325	H	P	0.145	Likely Benign
SCN2A	2	166168538	A	G	325	H	R	0.121	Likely Benign
SCN2A	2	166168538	A	T	325	H	L	0.116	Likely Benign
SCN2A	2	166168539	C	A	325	H	Q	0.118	Likely Benign
SCN2A	2	166168539	C	G	325	H	D	0.12	Likely Benign
SCN2A	2	166168540	T	A	326	F	I	0.206	Likely Benign
SCN2A	2	166168540	T	C	326	F	L	0.22	Likely Benign
SCN2A	2	166168540	T	G	326	F	V	0.32	Likely Benign
SCN2A	2	166168541	T	A	326	F	Y	0.26	Likely Benign
SCN2A	2	166168541	T	C	326	F	S	0.444	Likely Benign
SCN2A	2	166168541	T	G	326	F	C	0.61	Likely Benign
SCN2A	2	166168542	T	A	326	F	L	0.238	Likely Benign
SCN2A	2	166168542	T	G	326	F	L	0.234	Likely Benign
SCN2A	2	166168543	T	A	327	Y	N	0.757	Likely Benign
SCN2A	2	166168543	T	C	327	Y	H	0.516	Likely Benign
SCN2A	2	166168543	T	G	327	Y	D	0.876	Likely Pathogenic
SCN2A	2	166168544	A	C	327	Y	S	0.516	Likely Benign
SCN2A	2	166168544	A	G	327	Y	C	0.594	Likely Benign
SCN2A	2	166168544	A	T	327	Y	F	0.371	Likely Benign
SCN2A	2	166168546	T	A	328	F	I	0.179	Likely Benign
SCN2A	2	166168546	T	C	328	F	L	0.172	Likely Benign
SCN2A	2	166168546	T	G	328	F	V	0.178	Likely Benign
SCN2A	2	166168547	T	A	328	F	Y	0.153	Likely Benign
SCN2A	2	166168547	T	C	328	F	S	0.218	Likely Benign
SCN2A	2	166168547	T	G	328	F	C	0.259	Likely Benign
SCN2A	2	166168548	T	A	328	F	L	0.174	Likely Benign
SCN2A	2	166168548	T	G	328	F	L	0.174	Likely Benign
SCN2A	2	166168549	T	A	329	L	V	0.197	Likely Benign
SCN2A	2	166168549	T	G	329	L	V	0.18	Likely Benign
SCN2A	2	166168550	T	C	329	L	S	0.21	Likely Benign
SCN2A	2	166168551	A	C	329	L	F	0.381	Likely Benign
SCN2A	2	166168551	A	T	329	L	F	0.383	Likely Benign
SCN2A	2	166168552	G	A	330	E	K	0.238	Likely Benign
SCN2A	2	166168552	G	C	330	E	Q	0.289	Likely Benign
SCN2A	2	166168553	A	C	330	E	A	0.309	Likely Benign
SCN2A	2	166168553	A	G	330	E	G	0.272	Likely Benign
SCN2A	2	166168553	A	T	330	E	V	0.394	Likely Benign
SCN2A	2	166168554	G	C	330	E	D	0.141	Likely Benign
SCN2A	2	166168554	G	T	330	E	D	0.141	Likely Benign
SCN2A	2	166168555	G	A	331	G	R	0.481	Likely Benign
SCN2A	2	166168555	G	C	331	G	R	0.481	Likely Benign
SCN2A	2	166168555	G	T	331	G	W	0.761	Likely Benign
SCN2A	2	166168556	G	A	331	G	E	0.247	Likely Benign
SCN2A	2	166168556	G	C	331	G	A	0.24	Likely Benign
SCN2A	2	166168556	G	T	331	G	V	0.492	Likely Benign
SCN2A	2	166168558	C	A	332	Q	K	0.114	Likely Benign
SCN2A	2	166168558	C	G	332	Q	E	0.136	Likely Benign
SCN2A	2	166168559	C	A	332	Q	P	0.164	Likely Benign
SCN2A	2	166168559	C	G	332	Q	R	0.151	Likely Benign
SCN2A	2	166168559	C	T	332	Q	L	0.175	Likely Benign
SCN2A	2	166168560	A	C	332	Q	H	0.2	Likely Benign
SCN2A	2	166168560	A	T	332	Q	H	0.2	Likely Benign
SCN2A	2	166168561	A	C	333	N	H	0.198	Likely Benign
SCN2A	2	166168561	A	G	333	N	D	0.101	Likely Benign
SCN2A	2	166168561	A	T	333	N	Y	0.229	Likely Benign
SCN2A	2	166168562	A	C	333	N	T	0.097	Likely Benign
SCN2A	2	166168562	A	G	333	N	S	0.082	Likely Benign
SCN2A	2	166168562	A	T	333	N	I	0.169	Likely Benign
SCN2A	2	166168563	T	A	333	N	K	0.06	Likely Benign
SCN2A	2	166168563	T	G	333	N	K	0.063	Likely Benign
SCN2A	2	166168564	G	A	334	D	N	0.537	Likely Benign
SCN2A	2	166168564	G	C	334	D	H	0.878	Likely Pathogenic
SCN2A	2	166168564	G	T	334	D	Y	0.755	Likely Benign
SCN2A	2	166168565	A	C	334	D	A	0.897	Likely Pathogenic
SCN2A	2	166168565	A	G	334	D	G	0.863	Likely Pathogenic
SCN2A	2	166168565	A	T	334	D	V	0.917	Likely Pathogenic
SCN2A	2	166168566	T	A	334	D	V	0.276	Likely Benign
SCN2A	2	166168566	T	G	334	D	E	0.273	Likely Benign
SCN2A	2	166168567	G	A	335	A	T	0.234	Likely Benign
SCN2A	2	166168567	G	C	335	A	P	0.118	Likely Benign
SCN2A	2	166168567	G	T	335	A	S	0.254	Likely Benign
SCN2A	2	166168568	C	A	335	A	D	0.528	Likely Benign
SCN2A	2	166168568	C	G	335	A	G	0.349	Likely Benign
SCN2A	2	166168568	C	T	335	A	V	0.255	Likely Benign
SCN2A	2	166168570	C	A	336	L	M	0.64	Likely Benign
SCN2A	2	166168570	C	G	336	L	V	0.33	Likely Benign
SCN2A	2	166168571	T	A	336	L	Q	0.717	Likely Benign
SCN2A	2	166168571	T	C	336	L	P	0.671	Likely Benign
SCN2A	2	166168571	T	G	336	L	R	0.697	Likely Benign
SCN2A	2	166168573	C	A	337	L	I	0.294	Likely Benign
SCN2A	2	166168573	C	G	337	L	V	0.483	Likely Benign
SCN2A	2	166168573	C	T	337	L	F	0.59	Likely Benign
SCN2A	2	166168574	T	A	337	L	H	0.945	Likely Pathogenic
SCN2A	2	166168574	T	C	337	L	P	0.812	Likely Pathogenic
SCN2A	2

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166905405	G	C	340	S	C	0.975	Likely Pathoenic
SCN1A	2	166905405	G	T	340	S	Y	0.944	Likely Pathoenic
SCN1A	2	166905403	C	A	341	D	Y	0.948	Likely Pathoenic
SCN1A	2	166905403	C	G	341	D	H	0.890	Likely Pathoenic
SCN1A	2	166905403	C	T	341	D	N	0.812	Likely Pathoenic
SCN1A	2	166905402	T	A	341	D	V	0.943	Likely Pathoenic
SCN1A	2	166905402	T	C	341	D	G	0.633	Likely Benign
SCN1A	2	166905402	T	G	341	D	A	0.873	Likely Pathoenic
SCN1A	2	166905401	A	C	341	D	E	0.781	Likely Benign
SCN1A	2	166905401	A	T	341	D	E	0.781	Likely Benign
SCN1A	2	166905400	C	A	342	A	S	0.361	Likely Benign
SCN1A	2	166905400	C	G	342	A	P	0.905	Likely Pathoenic
SCN1A	2	166905400	C	T	342	A	T	0.784	Likely Pathoenic
SCN1A	2	166905399	G	A	342	A	V	0.951	Likely Pathoenic
SCN1A	2	166905399	G	C	342	A	G	0.753	Likely Benign
SCN1A	2	166905399	G	T	342	A	E	0.959	Likely Pathoenic
SCN1A	2	166905397	C	A	343	G	C	0.976	Likely Pathoenic
SCN1A	2	166905397	C	G	343	G	R	0.921	Likely Pathoenic
SCN1A	2	166905397	C	T	343	G	S	0.926	Likely Pathoenic
SCN1A	2	166905396	C	A	343	G	V	0.973	Likely Pathoenic
SCN1A	2	166905396	C	G	343	G	A	0.956	Likely Pathoenic
SCN1A	2	166905396	C	T	343	G	D	0.944	Likely Pathoenic
SCN1A	2	166904277	G	C	344	Q	E	0.356	Likely Benign
SCN1A	2	166904277	G	T	344	Q	K	0.198	Likely Benign
SCN1A	2	166904276	T	A	344	Q	L	0.704	Likely Benign
SCN1A	2	166904276	T	C	344	Q	R	0.451	Likely Benign
SCN1A	2	166904276	T	G	344	Q	P	0.831	Likely Pathoenic
SCN1A	2	166904275	A	C	344	Q	H	0.373	Likely Benign
SCN1A	2	166904275	T	G	344	Q	H	0.370	Likely Benign
SCN1A	2	166904274	A	C	345	C	G	0.993	Likely Pathoenic
SCN1A	2	166904274	A	G	345	C	R	0.994	Likely Pathoenic
SCN1A	2	166904274	A	T	345	C	S	0.991	Likely Pathoenic
SCN1A	2	166904273	C	A	345	C	F	0.993	Likely Pathoenic
SCN1A	2	166904273	C	G	345	C	S	0.991	Likely Pathoenic
SCN1A	2	166904273	C	T	345	C	Y	0.992	Likely Pathoenic
SCN1A	2	166904272	A	C	345	C	W	0.994	Likely Pathoenic
SCN1A	2	166904271	G	A	346	P	S	0.948	Likely Pathoenic
SCN1A	2	166904271	G	C	346	P	A	0.960	Likely Pathoenic
SCN1A	2	166904271	G	T	346	P	T	0.966	Likely Pathoenic
SCN1A	2	166904270	G	A	346	P	L	0.923	Likely Pathoenic
SCN1A	2	166904270	G	C	346	P	R	0.964	Likely Pathoenic
SCN1A	2	166904270	G	T	346	P	Q	0.944	Likely Pathoenic
SCN1A	2	166904268	C	G	347	E	Q	0.644	Likely Benign
SCN1A	2	166904268	T	347	E	K	0.377	Likely Benign
SCN1A	2	166904267	T	A	347	E	V	0.877	Likely Pathoenic
SCN1A	2	166904267	T	C	347	E	G	0.813	Likely Pathoenic
SCN1A	2	166904267	T	G	347	E	A	0.773	Likely Benign
SCN1A	2	166904266	C	A	347	E	D	0.476	Likely Benign
SCN1A	2	166904266	C	G	347	E	D	0.463	Likely Benign
SCN1A	2	166904265	G	A	348	G	R	0.960	Likely Pathoenic
SCN1A	2	166904265	C	T	348	G	R	0.965	Likely Pathoenic
SCN1A	2	166904264	C	A	348	G	V	0.962	Likely Pathoenic
SCN1A	2	166904264	C	G	348	G	A	0.973	Likely Pathoenic
SCN1A	2	166904264	C	T	348	G	E	0.784	Likely Pathoenic
SCN1A	2	166904262	A	C	349	Y	D	0.975	Likely Pathoenic
SCN1A	2	166904262	A	G	349	Y	H	0.945	Likely Pathoenic
SCN1A	2	166904262	A	T	349	Y	N	0.959	Likely Pathoenic
SCN1A	2	166904261	T	A	349	Y	F	0.275	Likely Benign
SCN1A	2	166904261	T	C	349	Y	C	0.976	Likely Pathoenic
SCN1A	2	166904261	T	G	349	Y	S	0.787	Likely Pathoenic
SCN1A	2	166904259	T	A	350	M	L	0.145	Likely Benign
SCN1A	2	166904259	T	C	350	M	V	0.061	Likely Benign
SCN1A	2	166904259	T	G	350	M	L	0.145	Likely Benign
SCN1A	2	166904258	A	C	350	M	R	0.112	Likely Benign
SCN1A	2	166904258	A	G	350	M	T	0.038	Likely Benign
SCN1A	2	166904258	A	T	350	M	K	0.098	Likely Benign
SCN1A	2	166904257	C	A	350	M	I	0.049	Likely Benign
SCN1A	2	166904257	C	G	350	M	I	0.050	Likely Benign
SCN1A	2	166904257	C	T	350	M	I	0.049	Likely Benign
SCN1A	2	166904256	A	C	351	C	G	0.995	Likely Pathoenic
SCN1A	2	166904256	A	G	351	C	R	0.997	Likely Pathoenic
SCN1A	2	166904256	A	T	351	C	S	0.996	Likely Pathoenic
SCN1A	2	166904255	C	A	351	C	F	0.997	Likely Pathoenic
SCN1A	2	166904255	C	G	351	C	S	0.997	Likely Pathoenic
SCN1A	2	166904255	C	T	351	C	Y	0.997	Likely Pathoenic
SCN1A	2	166904254	A	C	351	C	W	0.996	Likely Pathoenic
SCN1A	2	166904253	C	A	352	V	L	0.116	Likely Benign
SCN1A	2	166904253	C	G	352	V	L	0.112	Likely Benign
SCN1A	2	166904253	C	T	352	V	M	0.249	Likely Benign
SCN1A	2	166904252	A	C	352	V	G	0.791	Likely Pathoenic
SCN1A	2	166904252	A	G	352	V	A	0.559	Likely Benign
SCN1A	2	166904252	A	T	352	V	E	0.747	Likely Benign
SCN1A	2	166904250	T	C	353	K	E	0.961	Likely Pathoenic
SCN1A	2	166904250	T	G	353	K	Q	0.864	Likely Pathoenic
SCN1A	2	166904249	A	C	353	K	I	0.980	Likely Pathoenic
SCN1A	2	166904249	T	C	353	K	R	0.929	Likely Pathoenic
SCN1A	2	166904249	T	G	353	K	T	0.963	Likely Pathoenic
SCN1A	2	166904248	A	C	353	K	N	0.966	Likely Pathoenic
SCN1A	2	166904248	T	G	353	K	N	0.966	Likely Pathoenic
SCN1A	2	166904247	C	A	354	A	S	0.723	Likely Benign
SCN1A	2	166904247	C	G	354	A	P	0.888	Likely Pathoenic
SCN1A	2	166904247	C	T	354	A	T	0.327	Likely Benign
SCN1A	2	166904246	G	A	354	A	V	0.733	Likely Benign
SCN1A	2	166904246	G	C	354	A	G	0.591	Likely Benign
SCN1A	2	166904246	G	T	354	A	D	0.950	Likely Pathoenic
SCN1A	2	166904244	C	A	355	G	C	0.976	Likely Pathoenic
SCN1A	2	166904244	C	G	355	G	R	0.985	Likely Pathoenic
SCN1A	2	166904244	T	355	G	S	0.937	Likely Pathoenic
SCN1A	2	166904243	C	A	355	G	V	0.987	Likely Pathoenic
SCN1A	2	166904243	C	G	355	G	A	0.981	Likely Pathoenic
SCN1A	2	166904243	T	355	G	D	0.978	Likely Pathoenic
SCN1A	2	166904241	T	C	356	R	G	0.881	Likely Pathoenic
SCN1A	2	166904240	C	A	356	R	I	0.788	Likely Pathoenic
SCN1A	2	166904240	C	G	356	R	T	0.751	Likely Benign
SCN1A	2	166904240	C	T	356	R	K	0.396	Likely Benign
SCN1A	2	166904239	T	A	356	R	S	0.821	Likely Pathoenic
SCN1A	2	166904239	T	G	356	R	S	0.821	Likely Pathoenic
SCN1A	2	166904238	T	A	357	N	Y	0.994	Likely Pathoenic
SCN1A	2	166904238	T	C	357	N	D	0.980	Likely Pathoenic
SCN1A	2	166904238	T	G	357	N	H	0.985	Likely Pathoenic
SCN1A	2	166904237	T	A	357	N	I	0.991	Likely Pathoenic
SCN1A	2	166904237	T	C	357	N	S	0.979	Likely Pathoenic
SCN1A	2	166904237	T	G	357	N	T	0.983	Likely Pathoenic
SCN1A	2	166904236	A	C	357	N	K	0.987	Likely Pathoenic
SCN1A	2	166904236	A	T	357	N	K	0.987	Likely Pathoenic
SCN1A	2	166904235	G	A	358	P	S	0.988	Likely Pathoenic
SCN1A	2	166904235	G	C	358	P	A	0.989	Likely Pathoenic
SCN1A	2	166904235	G	T	358	P	T	0.994	Likely Pathoenic
SCN1A	2	166904234	G	A	358	P	L	0.987	Likely Pathoenic
SCN1A	2	166904234	G	C	358	P	R	0.990	Likely Pathoenic
SCN1A	2	166904234	G	T	358	P	H	0.994	Likely Pathoenic
SCN1A	2	166904232	T	A	359	N	Y	0.985	Likely Pathoenic
SCN1A	2	166904232	T	C	359	N	D	0.762	Likely Benign
SCN1A	2	166904232	T	G	359	N	H	0.981	Likely Pathoenic
SCN1A	2	166904231	T	A	359	N	I	0.989	Likely Pathoenic
SCN1A	2	166904231	T	C	359	N	S	0.983	Likely Pathoenic
SCN1A	2	166904231	T	G	359	N	T	0.984	Likely Pathoenic
SCN1A	2	166904230	A	C	359	N	K	0.967	Likely Pathoenic
SCN1A	2	166904230	A	T	359	N	K	0.967	Likely Pathoenic
SCN1A	2	166904229	A	C	360	Y	D	0.975	Likely Pathoenic
SCN1A	2	166904229	A	G	360	Y	H	0.856	Likely Pathoenic
SCN1A	2	166904229	A	T	360	Y	N	0.966	Likely Pathoenic
SCN1A	2	166904228	T	A	360	Y	F	0.691	Likely Benign
SCN1A	2	166904228	T	C	360	Y	C	0.992	Likely Pathoenic
SCN1A	2	166904228	T	G	360	Y	S	0.978	Likely Pathoenic
SCN1A	2	166904226	C	A	361	G	C	0.990	Likely Pathoenic
SCN1A	2	166904226	C	G	361	G	R	0.975	Likely Pathoenic
SCN1A	2	166904226	C	T	361	G	S	0.976	Likely Pathoenic
SCN1A	2	166904225	A	C	361	G	V	0.983	Likely Pathoenic
SCN1A	2	166904225	C	G	361	G	A	0.984	Likely Pathoenic
SCN1A	2	166904225	C	T	361	G	D	0.966	Likely Pathoenic
SCN1A	2	166904223	A	C	362	Y	D	0.984	Likely Pathoenic
SCN1A	2	166904223	A	G	362	Y	H	0.983	Likely Pathoenic
SCN1A	2	166904223	A	T	362	Y	N	0.988	Likely Pathoenic
SCN1A	2	166904222	T	A	362	Y	F	0.638	Likely Benign
SCN1A	2	166904222	T	C	362	Y	C	0.987	Likely Pathoenic
SCN1A	2	166904222	T	G	362	Y	S	0.972	Likely Pathoenic
SCN1A	2	166904220	T	A	363	T	S	0.990	Likely Pathoenic
SCN1A	2	166904220	T	C	363	T	A	0.986	Likely Pathoenic
SCN1A	2	166904220	T	G	363	T	P	0.995	Likely Pathoenic
SCN1A	2	166904219	G	A	363	T	I	0.981	Likely Pathoenic
SCN1A	2	166904219	G	C	363	T	R	0.991	Likely Pathoenic
SCN1A	2	166904219	G	T	363	T	K	0.989	Likely Pathoenic
SCN1A	2	166904217	T	A	364	S	C	0.990	Likely Pathoenic
SCN1A	2	166904217	T	C	364	S	G	0.981	Likely Pathoenic
SCN1A	2	166904217	T	G	364	S	R	0.978	Likely Pathoenic
SCN1A	2	166904216	C	A	364	S	I	0.993	Likely Pathoenic
SCN1A	2	166904216	C	G	364	S	T	0.976	Likely Pathoenic
SCN1A	2	166904216	C	T	364	S	N	0.933	Likely Pathoenic
SCN1A	2	166904215	G	C	364	S	R	0.942	Likely Pathoenic
SCN1A	2	166904215	G	T	364	S	R	0.943	Likely Pathoenic
SCN1A	2	166904214	A	C	365	F	V	0.997	Likely Pathoenic
SCN1A	2	166904214	A	G	365	F	L	0.994	Likely Pathoenic
SCN1A	2	166904214	A	T	365	F	I	0.997	Likely Pathoenic
SCN1A	2	166904213	A	C	365	F	C	0.996	Likely Pathoenic
SCN1A	2	166904213	A	G	365	F	S	0.997	Likely Pathoenic
SCN1A	2	166904213	A	T	365	F	Y	0.972	Likely Pathoenic
SCN1A	2	166904212	A	C	365	F	L	0.993	Likely Pathoenic
SCN1A	2	166904212	A	T	365	F	L	0.993	Likely Pathoenic
SCN1A	2	166904211	C	A	366	D	Y	0.992	Likely Pathoenic
SCN1A	2	166904211	C	G	366	D	H	0.989	Likely Pathoenic
SCN1A	2	166904211	C	T	366	D	N	0.980	Likely Pathoenic
SCN1A	2	166904210	T	A	366	D	V	0.992	Likely Pathoenic
SCN1A	2	166904210	T	C	366	D	G	0.970	Likely Pathoenic
SCN1A	2	166904210	T	G	366	D	A	0.987	Likely Pathoenic
SCN1A	2	166904209	A	C	366	D	E	0.987	Likely Pathoenic
SCN1A	2	166904209	A	T	366	D	E	0.987	Likely Pathoenic
SCN1A	2	166904208	T	A	367	T	S	0.232	Likely Benign
SCN1A	2	166904208	T	C	367	T	A	0.959	Likely Pathoenic
SCN1A	2	166904208	T	G	367	T	P	0.968	Likely Pathoenic
SCN1A	2	166904207	G	A	367	T	I	0.975	Likely Pathoenic
SCN1A	2	166904207	G	C	367	T	S	0.307	Likely Benign
SCN1A	2	166904207	G	T	367	T	N	0.571	Likely Benign
SCN1A	2	166904205	A	C	368	F	V	0.975	Likely Pathoenic
SCN1A	2	166904205	A	G	368	F	L	0.973	Likely Pathoenic
SCN1A	2	166904205	A	T	368	F	I	0.972	Likely Pathoenic
SCN1A	2	166904204	A	C	368	F	C	0.995	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166168583	A	C	340	N	T	0.74	Likely Benign
SCN2A	2	166168583	A	G	340	N	S	0.547	Likely Benign
SCN2A	2	166168583	A	T	340	N	I	0.952	Likely Pathogenic
SCN2A	2	166168584	C	A	340	N	K	0.88	Likely Pathogenic
SCN2A	2	166168584	C	G	340	N	K	0.882	Likely Pathogenic
SCN2A	2	166168585	A	C	341	S	R	0.498	Likely Benign
SCN2A	2	166168585	A	G	341	S	G	0.152	Likely Benign
SCN2A	2	166168585	A	T	341	S	C	0.796	Likely Pathogenic
SCN2A	2	166168586	A	A	341	S	N	0.341	Likely Benign
SCN2A	2	166168586	G	C	341	S	T	0.263	Likely Benign
SCN2A	2	166168586	G	T	341	S	I	0.383	Likely Benign
SCN2A	2	166168587	T	A	341	S	R	0.493	Likely Benign
SCN2A	2	166168587	C	G	341	S	R	0.485	Likely Benign
SCN2A	2	166168588	T	A	342	S	T	0.225	Likely Benign
SCN2A	2	166168588	T	G	342	S	P	0.542	Likely Benign
SCN2A	2	166168588	T	G	342	S	A	0.73	Likely Benign
SCN2A	2	166168589	C	T	342	S	L	0.784	Likely Pathogenic
SCN2A	2	166168591	A	A	343	D	N	0.222	Likely Benign
SCN2A	2	166168591	G	C	343	D	H	0.479	Likely Benign
SCN2A	2	166168591	G	T	343	D	Y	0.615	Likely Benign
SCN2A	2	166168592	A	C	343	D	A	0.368	Likely Benign
SCN2A	2	166168592	A	G	343	D	G	0.187	Likely Benign
SCN2A	2	166168592	A	T	343	D	V	0.616	Likely Benign
SCN2A	2	166168593	T	A	343	D	E	0.409	Likely Benign
SCN2A	2	166168593	T	G	343	D	E	0.4	Likely Benign
SCN2A	2	166168594	G	A	344	A	T	0.354	Likely Benign
SCN2A	2	166168594	G	C	344	A	P	0.541	Likely Benign
SCN2A	2	166168594	G	T	344	A	S	0.185	Likely Benign
SCN2A	2	166168595	C	A	344	A	E	0.759	Likely Benign
SCN2A	2	166168595	C	G	344	A	G	0.312	Likely Benign
SCN2A	2	166168595	C	T	344	A	V	0.573	Likely Benign
SCN2A	2	166168597	G	A	345	G	S	0.619	Likely Benign
SCN2A	2	166168597	G	C	345	G	R	0.667	Likely Benign
SCN2A	2	166168597	G	T	345	G	C	0.878	Likely Pathogenic
SCN2A	2	166170131	C	A	346	Q	K	0.14	Likely Benign
SCN2A	2	166170131	C	G	346	Q	E	0.216	Likely Benign
SCN2A	2	166170131	C	T	346	Q	P	0.574	Likely Benign
SCN2A	2	166170132	A	G	346	Q	R	0.204	Likely Benign
SCN2A	2	166170132	A	T	346	Q	L	0.301	Likely Benign
SCN2A	2	166170133	G	A	346	Q	H	0.172	Likely Benign
SCN2A	2	166170133	G	T	346	Q	H	0.172	Likely Benign
SCN2A	2	166170134	T	A	347	C	S	0.98	Likely Pathogenic
SCN2A	2	166170134	T	C	347	C	R	0.988	Likely Pathogenic
SCN2A	2	166170134	T	G	347	C	G	0.986	Likely Pathogenic
SCN2A	2	166170135	G	A	347	C	Y	0.984	Likely Pathogenic
SCN2A	2	166170135	G	C	347	C	S	0.986	Likely Pathogenic
SCN2A	2	166170135	G	T	347	C	F	0.987	Likely Pathogenic
SCN2A	2	166170136	T	G	347	C	W	0.986	Likely Pathogenic
SCN2A	2	166170137	C	A	348	P	T	0.906	Likely Pathogenic
SCN2A	2	166170137	C	G	348	P	A	0.911	Likely Pathogenic
SCN2A	2	166170137	C	T	348	P	S	0.815	Likely Pathogenic
SCN2A	2	166170138	C	A	348	P	H	0.97	Likely Pathogenic
SCN2A	2	166170138	C	G	348	P	R	0.819	Likely Pathogenic
SCN2A	2	166170138	C	T	348	P	L	0.627	Likely Benign
SCN2A	2	166170140	G	A	349	E	K	0.274	Likely Benign
SCN2A	2	166170140	G	C	349	E	Q	0.82	Likely Pathogenic
SCN2A	2	166170141	A	C	349	E	A	0.873	Likely Pathogenic
SCN2A	2	166170141	A	G	349	E	G	0.863	Likely Pathogenic
SCN2A	2	166170141	A	T	349	E	V	0.904	Likely Pathogenic
SCN2A	2	166170142	A	C	349	E	D	0.339	Likely Benign
SCN2A	2	166170142	A	T	349	E	D	0.337	Likely Benign
SCN2A	2	166170143	G	A	350	G	R	0.787	Likely Pathogenic
SCN2A	2	166170143	G	C	350	G	R	0.764	Likely Benign
SCN2A	2	166170144	G	A	350	G	E	0.441	Likely Benign
SCN2A	2	166170144	G	C	350	G	A	0.748	Likely Benign
SCN2A	2	166170144	G	T	350	G	V	0.797	Likely Pathogenic
SCN2A	2	166170146	T	A	351	Y	N	0.907	Likely Pathogenic
SCN2A	2	166170146	T	C	351	Y	H	0.867	Likely Pathogenic
SCN2A	2	166170146	T	G	351	Y	D	0.907	Likely Pathogenic
SCN2A	2	166170147	A	C	351	Y	S	0.535	Likely Benign
SCN2A	2	166170147	A	G	351	Y	C	0.929	Likely Pathogenic
SCN2A	2	166170147	A	T	351	Y	F	0.307	Likely Benign
SCN2A	2	166170149	A	C	352	I	L	0.187	Likely Benign
SCN2A	2	166170149	A	G	352	I	V	0.083	Likely Benign
SCN2A	2	166170149	A	T	352	I	F	0.257	Likely Benign
SCN2A	2	166170150	T	A	352	I	N	0.247	Likely Benign
SCN2A	2	166170150	T	C	352	I	T	0.077	Likely Benign
SCN2A	2	166170150	T	G	352	I	S	0.19	Likely Benign
SCN2A	2	166170151	G	T	352	I	M	0.196	Likely Benign
SCN2A	2	166170152	T	A	353	C	S	0.986	Likely Pathogenic
SCN2A	2	166170152	T	C	353	C	R	0.989	Likely Pathogenic
SCN2A	2	166170152	T	G	353	C	G	0.985	Likely Pathogenic
SCN2A	2	166170153	G	A	353	C	Y	0.99	Likely Pathogenic
SCN2A	2	166170153	G	C	353	C	S	0.989	Likely Pathogenic
SCN2A	2	166170153	G	T	353	C	F	0.993	Likely Pathogenic
SCN2A	2	166170154	T	G	353	C	W	0.981	Likely Pathogenic
SCN2A	2	166170155	G	A	354	V	M	0.106	Likely Benign
SCN2A	2	166170155	G	C	354	V	L	0.091	Likely Benign
SCN2A	2	166170155	G	T	354	V	L	0.092	Likely Benign
SCN2A	2	166170156	T	A	354	V	E	0.528	Likely Benign
SCN2A	2	166170156	T	C	354	V	A	0.281	Likely Benign
SCN2A	2	166170156	T	G	354	V	G	0.484	Likely Benign
SCN2A	2	166170158	A	C	355	K	Q	0.661	Likely Benign
SCN2A	2	166170158	A	G	355	K	E	0.897	Likely Pathogenic
SCN2A	2	166170159	A	C	355	K	T	0.88	Likely Pathogenic
SCN2A	2	166170159	A	G	355	K	R	0.792	Likely Pathogenic
SCN2A	2	166170159	A	T	355	K	M	0.957	Likely Pathogenic
SCN2A	2	166170160	C	A	355	K	N	0.9	Likely Pathogenic
SCN2A	2	166170160	G	T	355	K	N	0.898	Likely Pathogenic
SCN2A	2	166170161	G	A	356	A	T	0.253	Likely Benign
SCN2A	2	166170161	G	C	356	A	P	0.874	Likely Pathogenic
SCN2A	2	166170161	G	T	356	A	S	0.62	Likely Benign
SCN2A	2	166170162	C	A	356	A	D	0.73	Likely Benign
SCN2A	2	166170162	C	G	356	A	G	0.44	Likely Benign
SCN2A	2	166170162	C	T	356	A	V	0.498	Likely Benign
SCN2A	2	166170164	G	A	357	G	S	0.7	Likely Benign
SCN2A	2	166170164	G	C	357	G	R	0.957	Likely Pathogenic
SCN2A	2	166170164	G	T	357	G	C	0.902	Likely Pathogenic
SCN2A	2	166170165	G	A	357	G	D	0.857	Likely Pathogenic
SCN2A	2	166170165	G	C	357	G	A	0.948	Likely Pathogenic
SCN2A	2	166170165	G	T	357	G	V	0.971	Likely Pathogenic
SCN2A	2	166170167	A	G	358	R	G	0.359	Likely Benign
SCN2A	2	166170168	G	A	358	R	K	0.279	Likely Benign
SCN2A	2	166170168	G	C	358	R	T	0.311	Likely Benign
SCN2A	2	166170168	G	T	358	R	I	0.346	Likely Benign
SCN2A	2	166170169	A	C	358	R	S	0.477	Likely Benign
SCN2A	2	166170169	A	T	358	R	S	0.478	Likely Benign
SCN2A	2	166170170	A	C	359	N	H	0.963	Likely Pathogenic
SCN2A	2	166170170	A	G	359	N	D	0.932	Likely Pathogenic
SCN2A	2	166170170	A	T	359	N	Y	0.989	Likely Pathogenic
SCN2A	2	166170171	A	C	359	N	T	0.965	Likely Pathogenic
SCN2A	2	166170171	A	G	359	N	S	0.933	Likely Pathogenic
SCN2A	2	166170171	A	T	359	N	I	0.987	Likely Pathogenic
SCN2A	2	166170172	C	A	359	N	K	0.934	Likely Pathogenic
SCN2A	2	166170172	C	G	359	N	K	0.934	Likely Pathogenic
SCN2A	2	166170172	C	T	359	N	N	0.99	Likely Pathogenic
SCN2A	2	166170173	A	C	360	P	A	0.979	Likely Pathogenic
SCN2A	2	166170173	C	T	360	P	S	0.974	Likely Pathogenic
SCN2A	2	166170174	A	C	360	P	H	0.987	Likely Pathogenic
SCN2A	2	166170174	C	G	360	P	R	0.961	Likely Pathogenic
SCN2A	2	166170174	C	T	360	P	L	0.924	Likely Pathogenic
SCN2A	2	166170176	A	C	361	N	H	0.948	Likely Pathogenic
SCN2A	2	166170176	A	G	361	N	D	0.513	Likely Benign
SCN2A	2	166170176	A	T	361	N	Y	0.975	Likely Pathogenic
SCN2A	2	166170177	A	C	361	N	T	0.955	Likely Pathogenic
SCN2A	2	166170177	A	G	361	N	S	0.949	Likely Pathogenic
SCN2A	2	166170177	A	T	361	N	I	0.957	Likely Pathogenic
SCN2A	2	166170178	C	A	361	N	K	0.82	Likely Pathogenic
SCN2A	2	166170178	C	G	361	N	K	0.808	Likely Pathogenic
SCN2A	2	166170179	T	A	362	Y	N	0.936	Likely Pathogenic
SCN2A	2	166170179	T	C	362	Y	H	0.62	Likely Benign
SCN2A	2	166170179	T	G	362	Y	D	0.961	Likely Pathogenic
SCN2A	2	166170180	A	C	362	Y	S	0.945	Likely Pathogenic
SCN2A	2	166170180	A	G	362	Y	C	0.978	Likely Pathogenic
SCN2A	2	166170180	A	T	362	Y	F	0.548	Likely Benign
SCN2A	2	166170182	G	A	363	G	S	0.89	Likely Pathogenic
SCN2A	2	166170182	G	C	363	G	R	0.864	Likely Pathogenic
SCN2A	2	166170182	G	T	363	G	C	0.952	Likely Pathogenic
SCN2A	2	166170183	G	A	363	G	D	0.754	Likely Pathogenic
SCN2A	2	166170183	G	C	363	G	A	0.929	Likely Pathogenic
SCN2A	2	166170183	G	T	363	G	V	0.974	Likely Pathogenic
SCN2A	2	166170185	T	A	364	Y	N	0.916	Likely Pathogenic
SCN2A	2	166170185	T	C	364	Y	H	0.789	Likely Pathogenic
SCN2A	2	166170185	T	G	364	Y	D	0.89	Likely Pathogenic
SCN2A	2	166170186	A	C	364	Y	S	0.87	Likely Pathogenic
SCN2A	2	166170186	A	G	364	Y	C	0.906	Likely Pathogenic
SCN2A	2	166170186	A	T	364	Y	F	0.41	Likely Benign
SCN2A	2	166170188	A	C	365	T	P	0.981	Likely Pathogenic
SCN2A	2	166170188	A	G	365	T	A	0.898	Likely Pathogenic
SCN2A	2	166170188	A	T	365	T	S	0.902	Likely Pathogenic
SCN2A	2	166170189	C	A	365	T	K	0.977	Likely Pathogenic
SCN2A	2	166170189	C	G	365	T	R	0.974	Likely Pathogenic
SCN2A	2	166170189	C	T	365	T	M	0.962	Likely P

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166904204	A	G	368	F	S	0.993	Likely Pathoenic
SCN1A	2	166904204	A	T	368	F	Y	0.993	Likely Pathoenic
SCN1A	2	166904203	G	C	368	F	L	0.906	Likely Pathoenic
SCN1A	2	166904203	G	T	368	F	L	0.908	Likely Pathoenic
SCN1A	2	166904202	T	A	369	S	C	0.878	Likely Pathoenic
SCN1A	2	166904202	T	C	369	S	G	0.093	Likely Benign
SCN1A	2	166904202	T	G	369	S	R	0.947	Likely Pathoenic
SCN1A	2	166904201	A	G	369	S	I	0.840	Likely Pathoenic
SCN1A	2	166904201	C	G	369	S	T	0.798	Likely Pathoenic
SCN1A	2	166904201	C	T	369	S	N	0.809	Likely Pathoenic
SCN1A	2	166904200	A	C	369	S	R	0.897	Likely Pathoenic
SCN1A	2	166904200	A	T	369	S	R	0.899	Likely Pathoenic
SCN1A	2	166904199	A	C	370	W	G	0.986	Likely Pathoenic
SCN1A	2	166904199	A	G	370	W	R	0.978	Likely Pathoenic
SCN1A	2	166904199	A	T	370	W	R	0.978	Likely Pathoenic
SCN1A	2	166904198	C	A	370	W	L	0.976	Likely Pathoenic
SCN1A	2	166904198	C	G	370	W	S	0.979	Likely Pathoenic
SCN1A	2	166904197	C	A	370	W	C	0.993	Likely Pathoenic
SCN1A	2	166904197	C	G	370	W	C	0.993	Likely Pathoenic
SCN1A	2	166904196	C	A	371	A	S	0.970	Likely Pathoenic
SCN1A	2	166904196	C	G	371	A	P	0.995	Likely Pathoenic
SCN1A	2	166904196	C	T	371	A	T	0.983	Likely Pathoenic
SCN1A	2	166904195	G	A	371	A	V	0.995	Likely Pathoenic
SCN1A	2	166904195	G	C	371	A	G	0.984	Likely Pathoenic
SCN1A	2	166904195	G	T	371	A	D	0.994	Likely Pathoenic
SCN1A	2	166904193	A	C	372	F	V	0.975	Likely Pathoenic
SCN1A	2	166904193	A	G	372	F	L	0.812	Likely Pathoenic
SCN1A	2	166904193	A	T	372	F	I	0.975	Likely Pathoenic
SCN1A	2	166904192	A	C	372	F	C	0.989	Likely Pathoenic
SCN1A	2	166904192	A	G	372	F	S	0.983	Likely Pathoenic
SCN1A	2	166904192	A	T	372	F	Y	0.967	Likely Pathoenic
SCN1A	2	166904191	A	C	372	F	L	0.870	Likely Pathoenic
SCN1A	2	166904191	A	T	372	F	L	0.870	Likely Pathoenic
SCN1A	2	166904190	A	C	373	L	V	0.966	Likely Pathoenic
SCN1A	2	166904190	A	T	373	L	M	0.956	Likely Pathoenic
SCN1A	2	166904189	A	C	373	L	W	0.990	Likely Pathoenic
SCN1A	2	166904189	A	G	373	L	S	0.988	Likely Pathoenic
SCN1A	2	166904188	C	A	373	L	F	0.962	Likely Pathoenic
SCN1A	2	166904188	C	G	373	L	F	0.961	Likely Pathoenic
SCN1A	2	166904187	A	C	374	S	A	0.228	Likely Benign
SCN1A	2	166904187	A	G	374	S	P	0.968	Likely Pathoenic
SCN1A	2	166904187	A	T	374	S	T	0.298	Likely Benign
SCN1A	2	166904186	G	A	374	S	F	0.958	Likely Pathoenic
SCN1A	2	166904186	G	C	374	S	C	0.826	Likely Pathoenic
SCN1A	2	166904186	G	T	374	S	Y	0.960	Likely Pathoenic
SCN1A	2	166904184	A	C	375	L	V	0.905	Likely Pathoenic
SCN1A	2	166904184	A	T	375	L	M	0.949	Likely Pathoenic
SCN1A	2	166904183	A	C	375	L	W	0.989	Likely Pathoenic
SCN1A	2	166904183	A	G	375	L	S	0.966	Likely Pathoenic
SCN1A	2	166904182	A	C	375	L	F	0.982	Likely Pathoenic
SCN1A	2	166904182	C	G	375	L	F	0.979	Likely Pathoenic
SCN1A	2	166904181	A	C	376	F	V	0.987	Likely Pathoenic
SCN1A	2	166904181	A	G	376	F	L	0.969	Likely Pathoenic
SCN1A	2	166904181	A	T	376	F	I	0.982	Likely Pathoenic
SCN1A	2	166904180	A	C	376	F	C	0.991	Likely Pathoenic
SCN1A	2	166904180	A	G	376	F	S	0.991	Likely Pathoenic
SCN1A	2	166904180	A	T	376	F	Y	0.978	Likely Pathoenic
SCN1A	2	166904179	A	C	376	F	L	0.967	Likely Pathoenic
SCN1A	2	166904179	A	T	376	F	L	0.967	Likely Pathoenic
SCN1A	2	166904178	G	C	377	R	G	0.980	Likely Pathoenic
SCN1A	2	166904177	C	A	377	R	L	0.951	Likely Pathoenic
SCN1A	2	166904177	C	G	377	R	P	0.986	Likely Pathoenic
SCN1A	2	166904177	C	T	377	R	Q	0.878	Likely Pathoenic
SCN1A	2	166904175	G	C	378	L	V	0.843	Likely Pathoenic
SCN1A	2	166904175	G	T	378	L	I	0.886	Likely Pathoenic
SCN1A	2	166904174	A	C	378	L	R	0.988	Likely Pathoenic
SCN1A	2	166904174	A	G	378	L	P	0.990	Likely Pathoenic
SCN1A	2	166904174	A	T	378	L	Q	0.989	Likely Pathoenic
SCN1A	2	166904172	T	A	379	M	L	0.630	Likely Benign
SCN1A	2	166904172	T	C	379	M	V	0.690	Likely Benign
SCN1A	2	166904172	T	G	379	M	L	0.633	Likely Benign
SCN1A	2	166904171	A	C	379	M	R	0.978	Likely Pathoenic
SCN1A	2	166904171	A	G	379	M	T	0.896	Likely Pathoenic
SCN1A	2	166904171	A	T	379	M	K	0.977	Likely Pathoenic
SCN1A	2	166904170	C	A	379	M	I	0.668	Likely Benign
SCN1A	2	166904170	C	G	379	M	I	0.662	Likely Benign
SCN1A	2	166904170	C	T	379	M	I	0.668	Likely Benign
SCN1A	2	166904169	T	A	380	T	S	0.973	Likely Pathoenic
SCN1A	2	166904169	T	C	380	T	A	0.973	Likely Pathoenic
SCN1A	2	166904169	T	G	380	T	P	0.995	Likely Pathoenic
SCN1A	2	166904168	G	A	380	T	I	0.995	Likely Pathoenic
SCN1A	2	166904168	G	C	380	T	S	0.971	Likely Pathoenic
SCN1A	2	166904168	G	T	380	T	N	0.992	Likely Pathoenic
SCN1A	2	166904166	G	C	381	Q	E	0.983	Likely Pathoenic
SCN1A	2	166904166	G	T	381	Q	K	0.929	Likely Pathoenic
SCN1A	2	166904165	T	A	381	Q	L	0.903	Likely Pathoenic
SCN1A	2	166904165	T	C	381	Q	R	0.967	Likely Pathoenic
SCN1A	2	166904165	T	G	381	Q	P	0.987	Likely Pathoenic
SCN1A	2	166904164	C	A	381	Q	H	0.987	Likely Pathoenic
SCN1A	2	166904164	C	G	381	Q	H	0.987	Likely Pathoenic
SCN1A	2	166904163	A	C	382	D	Y	0.990	Likely Pathoenic
SCN1A	2	166904163	A	G	382	D	H	0.990	Likely Pathoenic
SCN1A	2	166904163	C	T	382	D	N	0.983	Likely Pathoenic
SCN1A	2	166904162	A	C	382	D	V	0.987	Likely Pathoenic
SCN1A	2	166904162	T	C	382	D	G	0.990	Likely Pathoenic
SCN1A	2	166904162	T	G	382	D	A	0.981	Likely Pathoenic
SCN1A	2	166904161	G	C	382	D	E	0.829	Likely Pathoenic
SCN1A	2	166904161	G	T	382	D	E	0.834	Likely Pathoenic
SCN1A	2	166904160	A	C	383	F	V	0.729	Likely Benign
SCN1A	2	166904160	A	G	383	F	L	0.663	Likely Benign
SCN1A	2	166904160	A	T	383	F	I	0.707	Likely Benign
SCN1A	2	166904159	A	C	383	F	C	0.560	Likely Benign
SCN1A	2	166904159	A	G	383	F	S	0.354	Likely Benign
SCN1A	2	166904159	A	T	383	F	Y	0.184	Likely Benign
SCN1A	2	166904158	G	C	383	F	L	0.612	Likely Benign
SCN1A	2	166904158	G	T	383	F	L	0.612	Likely Benign
SCN1A	2	166904157	A	C	384	W	G	0.994	Likely Pathoenic
SCN1A	2	166904157	A	G	384	W	R	0.994	Likely Pathoenic
SCN1A	2	166904157	A	T	384	W	R	0.994	Likely Pathoenic
SCN1A	2	166904156	C	A	384	W	L	0.986	Likely Pathoenic
SCN1A	2	166904156	C	G	384	W	S	0.992	Likely Pathoenic
SCN1A	2	166904155	C	A	384	W	C	0.993	Likely Pathoenic
SCN1A	2	166904155	C	G	384	W	C	0.993	Likely Pathoenic
SCN1A	2	166904154	G	A	385	E	Q	0.935	Likely Pathoenic
SCN1A	2	166904154	C	T	385	E	K	0.980	Likely Pathoenic
SCN1A	2	166904153	T	A	385	E	V	0.937	Likely Pathoenic
SCN1A	2	166904153	T	C	385	E	G	0.960	Likely Pathoenic
SCN1A	2	166904153	T	G	385	E	A	0.964	Likely Pathoenic
SCN1A	2	166904152	T	A	385	E	D	0.971	Likely Pathoenic
SCN1A	2	166904152	T	G	385	E	D	0.971	Likely Pathoenic
SCN1A	2	166904151	T	A	386	N	Y	0.975	Likely Pathoenic
SCN1A	2	166904151	T	C	386	N	D	0.277	Likely Benign
SCN1A	2	166904151	T	G	386	N	H	0.977	Likely Pathoenic
SCN1A	2	166904150	T	A	386	N	I	0.976	Likely Pathoenic
SCN1A	2	166904150	T	C	386	N	S	0.753	Likely Benign
SCN1A	2	166904150	T	G	386	N	T	0.853	Likely Pathoenic
SCN1A	2	166904149	A	C	386	N	K	0.898	Likely Pathoenic
SCN1A	2	166904149	A	T	386	N	K	0.898	Likely Pathoenic
SCN1A	2	166904148	G	A	387	L	F	0.961	Likely Pathoenic
SCN1A	2	166904148	G	C	387	L	V	0.829	Likely Pathoenic
SCN1A	2	166904148	G	T	387	L	I	0.775	Likely Benign
SCN1A	2	166904147	A	C	387	L	R	0.983	Likely Pathoenic
SCN1A	2	166904147	A	G	387	L	P	0.986	Likely Pathoenic
SCN1A	2	166904147	A	T	387	L	H	0.984	Likely Pathoenic
SCN1A	2	166904145	A	C	388	Y	D	0.990	Likely Pathoenic
SCN1A	2	166904145	A	G	388	Y	H	0.984	Likely Pathoenic
SCN1A	2	166904145	A	T	388	Y	N	0.992	Likely Pathoenic
SCN1A	2	166904144	T	A	388	Y	F	0.956	Likely Pathoenic
SCN1A	2	166904144	T	C	388	Y	C	0.992	Likely Pathoenic
SCN1A	2	166904144	T	G	388	Y	S	0.981	Likely Pathoenic
SCN1A	2	166904142	G	C	389	Q	E	0.865	Likely Pathoenic
SCN1A	2	166904142	G	T	389	Q	K	0.877	Likely Pathoenic
SCN1A	2	166904141	T	A	389	Q	L	0.839	Likely Pathoenic
SCN1A	2	166904141	T	C	389	Q	R	0.697	Likely Benign
SCN1A	2	166904141	T	G	389	Q	P	0.891	Likely Pathoenic
SCN1A	2	166904140	T	A	389	Q	H	0.518	Likely Benign
SCN1A	2	166904140	T	G	389	Q	H	0.534	Likely Benign
SCN1A	2	166904139	G	C	390	L	V	0.533	Likely Benign
SCN1A	2	166904139	G	T	390	L	M	0.287	Likely Benign
SCN1A	2	166904138	A	C	390	L	R	0.583	Likely Benign
SCN1A	2	166904138	A	G	390	L	P	0.780	Likely Benign
SCN1A	2	166904138	A	T	390	L	Q	0.110	Likely Benign
SCN1A	2	166904485	G	A	391	T	I	0.964	Likely Pathoenic
SCN1A	2	166904485	G	C	391	T	R	0.992	Likely Pathoenic
SCN1A	2	166904485	G	T	391	T	K	0.987	Likely Pathoenic
SCN1A	2	166904483	A	C	392	L	V	0.939	Likely Pathoenic
SCN1A	2	166904483	A	T	392	L	I	0.912	Likely Pathoenic
SCN1A	2	166904482	A	G	392	L	S	0.970	Likely Pathoenic
SCN1A	2	166904481	T	A	392	L	F	0.965	Likely Pathoenic
SCN1A	2	166904481	T	G	392	L	F	0.965	Likely Pathoenic
SCN1A	2	166904480	G	A	393	R	C	0.992	Likely Pathoenic
SCN1A	2	166904480	G	C	393	R	G	0.987	Likely Pathoenic
SCN1A	2	166904480	G	T	393	R	S	0.980	Likely Pathoenic
SCN1A	2	166904479	C	A	393	R	L	0.988	Likely Pathoenic
SCN1A	2	166904479	C	G	393	R	P	0.985	Likely Pathoenic
SCN1A	2	166904479	C	T	393	R	H	0.987	Likely Pathoenic
SCN1A	2	166904477	C	A	394	A	S	0.490	Likely Benign
SCN1A	2	166904477	C	G	394	A	P	0.984	Likely Pathoenic
SCN1A	2	166904477	C	T	394	A	T	0.749	Likely Benign
SCN1A	2	166904476	G	A	394	A	V	0.945	Likely Pathoenic
SCN1A	2	166904476	G	C	394	A	G	0.962	Likely Pathoenic
SCN1A	2	166904476	G	T	394	A	D	0.948	Likely Pathoenic
SCN1A	2	166904474	C	A	395	A	S	0.569	Likely Benign
SCN1A	2	166904474	C	G	395	A	P	0.956	Likely Pathoenic
SCN1A	2	166904474	C	T	395	A	T	0.872	Likely Pathoenic
SCN1A	2	166904473	G	A	395	A	V	0.784	Likely Pathoenic
SCN1A	2	166904473	G	C	395	A	G	0.942	Likely Pathoenic
SCN1A	2	166904473	G	T	395	A	D	0.957	Likely Pathoenic
SCN1A	2	166904471	C	A	396	G	W	0.995	Likely Pathoenic
SCN1A	2	166904471	C	G	396	G	R	0.988	Likely Pathoenic
SCN1A	2	166904471	C	T	396	G	E	0.988	Likely Pathoenic
SCN1A	2	166904470	C	A	396	G	V	0.992	Likely Pathoenic
SCN1A	2	166904470	C	G	396	G	A	0.985	Likely Pathoenic
SCN1A	2	166904470	C	T	396	G	E	0.987	Likely Pathoenic
SCN1A	2	166904468	T	C	397	K	E	0.969	Likely Pathoenic
SCN1A	2	166904468	T	G	397	K	Q	0.964	Likely Pathoenic
SCN1A	2	166904467	T	A	397	K	I	0.976	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166170200	A	C	369	T	P	0.859	Likely Pathogenic
SCN2A	2	166170200	A	G	369	T	A	0.813	Likely Pathogenic
SCN2A	2	166170200	A	T	369	T	S	0.171	Likely Benign
SCN2A	2	166170201	C	A	369	T	N	0.418	Likely Benign
SCN2A	2	166170201	C	G	369	T	R	0.152	Likely Benign
SCN2A	2	166170201	C	T	369	T	I	0.87	Likely Pathogenic
SCN2A	2	166170203	T	A	370	F	I	0.905	Likely Pathogenic
SCN2A	2	166170203	T	C	370	F	L	0.911	Likely Pathogenic
SCN2A	2	166170203	T	G	370	F	V	0.901	Likely Pathogenic
SCN2A	2	166170204	T	A	370	F	Y	0.989	Likely Pathogenic
SCN2A	2	166170204	T	C	370	F	S	0.988	Likely Pathogenic
SCN2A	2	166170204	T	G	370	F	C	0.992	Likely Pathogenic
SCN2A	2	166170205	T	A	370	F	L	0.93	Likely Pathogenic
SCN2A	2	166170205	T	G	370	F	L	0.93	Likely Pathogenic
SCN2A	2	166170206	A	C	371	S	R	0.777	Likely Pathogenic
SCN2A	2	166170206	A	G	371	S	G	0.09	Likely Benign
SCN2A	2	166170206	A	T	371	S	C	0.598	Likely Benign
SCN2A	2	166170207	G	A	371	S	N	0.385	Likely Benign
SCN2A	2	166170207	G	C	371	S	T	0.403	Likely Benign
SCN2A	2	166170207	G	T	371	S	I	0.494	Likely Benign
SCN2A	2	166170208	T	A	371	S	R	0.784	Likely Pathogenic
SCN2A	2	166170208	T	G	371	S	R	0.786	Likely Pathogenic
SCN2A	2	166170209	T	A	372	W	R	0.96	Likely Pathogenic
SCN2A	2	166170209	T	C	372	W	R	0.957	Likely Pathogenic
SCN2A	2	166170209	T	G	372	W	G	0.979	Likely Pathogenic
SCN2A	2	166170210	G	C	372	W	S	0.859	Likely Pathogenic
SCN2A	2	166170210	G	T	372	W	L	0.882	Likely Pathogenic
SCN2A	2	166170211	G	C	372	W	C	0.99	Likely Pathogenic
SCN2A	2	166170211	G	T	372	W	C	0.99	Likely Pathogenic
SCN2A	2	166170212	G	A	373	A	T	0.882	Likely Pathogenic
SCN2A	2	166170212	G	C	373	A	P	0.99	Likely Pathogenic
SCN2A	2	166170212	G	T	373	A	S	0.591	Likely Benign
SCN2A	2	166170213	C	A	373	A	D	0.989	Likely Pathogenic
SCN2A	2	166170213	C	G	373	A	G	0.924	Likely Pathogenic
SCN2A	2	166170213	C	T	373	A	V	0.991	Likely Pathogenic
SCN2A	2	166170215	T	A	374	F	I	0.946	Likely Pathogenic
SCN2A	2	166170215	T	C	374	F	L	0.597	Likely Benign
SCN2A	2	166170215	T	G	374	F	V	0.938	Likely Pathogenic
SCN2A	2	166170216	T	A	374	F	Y	0.828	Likely Pathogenic
SCN2A	2	166170216	T	C	374	F	S	0.966	Likely Pathogenic
SCN2A	2	166170216	T	G	374	F	C	0.976	Likely Pathogenic
SCN2A	2	166170217	T	A	374	F	L	0.599	Likely Benign
SCN2A	2	166170217	T	G	374	F	L	0.59	Likely Benign
SCN2A	2	166170218	T	A	375	L	M	0.796	Likely Pathogenic
SCN2A	2	166170218	T	G	375	L	V	0.794	Likely Pathogenic
SCN2A	2	166170219	T	C	375	L	S	0.962	Likely Pathogenic
SCN2A	2	166170219	T	G	375	L	W	0.964	Likely Pathogenic
SCN2A	2	166170220	G	C	375	L	F	0.76	Likely Benign
SCN2A	2	166170220	G	T	375	L	F	0.764	Likely Benign
SCN2A	2	166170221	T	A	376	S	T	0.174	Likely Benign
SCN2A	2	166170221	T	C	376	S	P	0.835	Likely Pathogenic
SCN2A	2	166170221	T	G	376	S	A	0.147	Likely Benign
SCN2A	2	166170222	C	A	376	S	Y	0.83	Likely Pathogenic
SCN2A	2	166170222	C	G	376	S	C	0.636	Likely Benign
SCN2A	2	166170222	C	T	376	S	F	0.861	Likely Pathogenic
SCN2A	2	166170224	A	G	377	L	L	0.656	Likely Benign
SCN2A	2	166170224	T	G	377	L	V	0.575	Likely Benign
SCN2A	2	166170225	T	C	377	L	S	0.648	Likely Benign
SCN2A	2	166170226	A	C	377	L	L	0.962	Likely Pathogenic
SCN2A	2	166170226	A	T	377	L	F	0.962	Likely Pathogenic
SCN2A	2	166170227	T	A	378	F	I	0.991	Likely Pathogenic
SCN2A	2	166170227	T	C	378	F	L	0.972	Likely Pathogenic
SCN2A	2	166170227	T	G	378	F	V	0.995	Likely Pathogenic
SCN2A	2	166170228	T	A	378	F	Y	0.965	Likely Pathogenic
SCN2A	2	166170228	T	C	378	F	S	0.996	Likely Pathogenic
SCN2A	2	166170228	T	G	378	F	C	0.996	Likely Pathogenic
SCN2A	2	166170229	T	A	378	F	L	0.945	Likely Pathogenic
SCN2A	2	166170229	T	G	378	F	L	0.946	Likely Pathogenic
SCN2A	2	166170230	C	A	379	R	S	0.808	Likely Pathogenic
SCN2A	2	166170230	C	G	379	R	G	0.853	Likely Pathogenic
SCN2A	2	166170230	C	T	379	R	C	0.817	Likely Pathogenic
SCN2A	2	166170231	G	A	379	R	H	0.898	Likely Pathogenic
SCN2A	2	166170231	G	C	379	R	P	0.964	Likely Pathogenic
SCN2A	2	166170231	G	T	379	R	L	0.709	Likely Benign
SCN2A	2	166170233	C	A	380	L	I	0.466	Likely Benign
SCN2A	2	166170233	C	G	380	L	V	0.468	Likely Benign
SCN2A	2	166170233	C	T	380	L	F	0.643	Likely Benign
SCN2A	2	166170234	T	A	380	L	H	0.962	Likely Pathogenic
SCN2A	2	166170234	T	C	380	L	P	0.966	Likely Pathogenic
SCN2A	2	166170234	T	G	380	L	R	0.963	Likely Pathogenic
SCN2A	2	166170236	A	C	381	M	L	0.838	Likely Pathogenic
SCN2A	2	166170236	A	G	381	M	V	0.862	Likely Pathogenic
SCN2A	2	166170236	A	T	381	M	L	0.838	Likely Pathogenic
SCN2A	2	166170237	T	A	381	M	K	0.989	Likely Pathogenic
SCN2A	2	166170237	T	C	381	M	T	0.97	Likely Pathogenic
SCN2A	2	166170237	T	G	381	M	R	0.989	Likely Pathogenic
SCN2A	2	166170238	G	A	381	M	I	0.754	Likely Benign
SCN2A	2	166170238	G	C	381	M	T	0.753	Likely Benign
SCN2A	2	166170238	G	T	381	M	I	0.751	Likely Benign
SCN2A	2	166170239	A	C	382	T	P	0.994	Likely Pathogenic
SCN2A	2	166170239	A	G	382	T	A	0.961	Likely Pathogenic
SCN2A	2	166170239	A	T	382	T	S	0.91	Likely Pathogenic
SCN2A	2	166170240	C	A	382	T	N	0.98	Likely Pathogenic
SCN2A	2	166170240	C	G	382	T	S	0.859	Likely Pathogenic
SCN2A	2	166170240	C	T	382	T	I	0.987	Likely Pathogenic
SCN2A	2	166170242	C	A	383	Q	K	0.696	Likely Benign
SCN2A	2	166170242	C	G	383	Q	E	0.964	Likely Pathogenic
SCN2A	2	166170242	C	T	383	Q	P	0.974	Likely Pathogenic
SCN2A	2	166170243	A	G	383	Q	R	0.937	Likely Pathogenic
SCN2A	2	166170243	A	T	383	Q	L	0.77	Likely Benign
SCN2A	2	166170244	A	C	383	Q	H	0.965	Likely Pathogenic
SCN2A	2	166170244	A	T	383	Q	H	0.965	Likely Pathogenic
SCN2A	2	166170245	G	A	384	D	N	0.91	Likely Pathogenic
SCN2A	2	166170245	G	C	384	D	H	0.976	Likely Pathogenic
SCN2A	2	166170245	G	T	384	D	Y	0.972	Likely Pathogenic
SCN2A	2	166170246	A	C	384	D	A	0.961	Likely Pathogenic
SCN2A	2	166170246	A	G	384	D	G	0.975	Likely Pathogenic
SCN2A	2	166170246	A	T	384	D	V	0.982	Likely Pathogenic
SCN2A	2	166170247	C	A	384	D	E	0.698	Likely Benign
SCN2A	2	166170247	C	G	384	D	E	0.693	Likely Benign
SCN2A	2	166170248	T	A	385	F	I	0.633	Likely Benign
SCN2A	2	166170248	T	C	385	F	L	0.448	Likely Benign
SCN2A	2	166170248	T	G	385	F	V	0.72	Likely Benign
SCN2A	2	166170249	T	A	385	F	Y	0.296	Likely Benign
SCN2A	2	166170249	T	C	385	F	S	0.321	Likely Benign
SCN2A	2	166170249	T	G	385	F	C	0.386	Likely Benign
SCN2A	2	166170250	A	C	385	F	L	0.431	Likely Benign
SCN2A	2	166170250	C	G	385	F	L	0.424	Likely Benign
SCN2A	2	166170251	T	A	386	W	R	0.99	Likely Pathogenic
SCN2A	2	166170251	T	C	386	W	R	0.99	Likely Pathogenic
SCN2A	2	166170251	T	G	386	W	G	0.991	Likely Pathogenic
SCN2A	2	166170252	G	C	386	W	S	0.978	Likely Pathogenic
SCN2A	2	166170252	G	T	386	W	L	0.976	Likely Pathogenic
SCN2A	2	166170253	G	C	386	W	C	0.989	Likely Pathogenic
SCN2A	2	166170253	G	T	386	W	C	0.989	Likely Pathogenic
SCN2A	2	166170254	A	C	387	E	K	0.926	Likely Pathogenic
SCN2A	2	166170254	G	C	387	E	Q	0.585	Likely Benign
SCN2A	2	166170255	A	C	387	E	A	0.911	Likely Pathogenic
SCN2A	2	166170255	A	G	387	E	G	0.867	Likely Pathogenic
SCN2A	2	166170255	A	T	387	E	V	0.88	Likely Pathogenic
SCN2A	2	166170256	A	C	387	E	D	0.823	Likely Pathogenic
SCN2A	2	166170256	A	T	387	E	D	0.823	Likely Pathogenic
SCN2A	2	166170257	C	T	388	N	H	0.954	Likely Pathogenic
SCN2A	2	166170257	A	G	388	N	D	0.247	Likely Benign
SCN2A	2	166170257	A	T	388	N	Y	0.97	Likely Pathogenic
SCN2A	2	166170258	A	C	388	N	T	0.789	Likely Pathogenic
SCN2A	2	166170258	A	G	388	N	S	0.544	Likely Benign
SCN2A	2	166170258	A	T	388	N	I	0.968	Likely Pathogenic
SCN2A	2	166170259	A	C	388	N	K	0.772	Likely Benign
SCN2A	2	166170259	C	G	388	N	K	0.728	Likely Benign
SCN2A	2	166170260	C	A	389	L	I	0.439	Likely Benign
SCN2A	2	166170260	C	G	389	L	V	0.433	Likely Benign
SCN2A	2	166170260	C	T	389	L	F	0.782	Likely Benign
SCN2A	2	166170261	T	A	389	L	H	0.975	Likely Pathogenic
SCN2A	2	166170261	T	C	389	L	P	0.958	Likely Pathogenic
SCN2A	2	166170261	T	G	389	L	R	0.973	Likely Pathogenic
SCN2A	2	166170263	T	A	390	Y	N	0.98	Likely Pathogenic
SCN2A	2	166170263	T	C	390	Y	H	0.966	Likely Pathogenic
SCN2A	2	166170263	T	G	390	Y	D	0.982	Likely Pathogenic
SCN2A	2	166170264	A	C	390	Y	S	0.928	Likely Pathogenic
SCN2A	2	166170264	A	G	390	Y	C	0.976	Likely Pathogenic
SCN2A	2	166170264	A	T	390	Y	F	0.524	Likely Benign
SCN2A	2	166170266	C	A	391	Q	K	0.705	Likely Benign
SCN2A	2	166170266	C	G	391	Q	E	0.603	Likely Benign
SCN2A	2	166170266	C	T	391	Q	P	0.743	Likely Benign
SCN2A	2	166170267	A	G	391	Q	R	0.453	Likely Benign
SCN2A	2	166170267	A	T	391	Q	L	0.644	Likely Benign
SCN2A	2	166170268	A	C	391	Q	H	0.568	Likely Benign
SCN2A	2	166170268	A	T	391	Q	H	0.568	Likely Benign
SCN2A	2	166170269	C	A	392	L	M	0.473	Likely Benign
SCN2A	2	166170269	C	G	392	L	V	0.47	Likely Benign

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166903467	T	C	397	K	R	0.972	Likely Pathoaenic
SCN1A	2	166903467	T	G	397	K	T	0.970	Likely Pathoaenic
SCN1A	2	166903466	T	A	397	K	N	0.958	Likely Pathoaenic
SCN1A	2	166903466	T	G	397	K	N	0.957	Likely Pathoaenic
SCN1A	2	166903465	T	A	398	T	S	0.625	Likely Benign
SCN1A	2	166903465	T	C	398	T	A	0.619	Likely Benign
SCN1A	2	166903465	T	G	398	T	P	0.833	Likely Pathoaenic
SCN1A	2	166903464	G	A	398	T	M	0.950	Likely Pathoaenic
SCN1A	2	166903464	G	C	398	T	R	0.940	Likely Pathoaenic
SCN1A	2	166903464	G	T	398	T	K	0.958	Likely Pathoaenic
SCN1A	2	166903462	A	C	399	Y	D	0.980	Likely Pathoaenic
SCN1A	2	166903462	A	G	399	Y	H	0.920	Likely Pathoaenic
SCN1A	2	166903462	A	T	399	Y	N	0.971	Likely Pathoaenic
SCN1A	2	166903461	T	A	399	Y	F	0.974	Likely Pathoaenic
SCN1A	2	166903461	T	C	399	Y	C	0.988	Likely Pathoaenic
SCN1A	2	166903461	T	G	399	Y	S	0.972	Likely Pathoaenic
SCN1A	2	166903459	T	A	400	M	L	0.896	Likely Pathoaenic
SCN1A	2	166903459	T	C	400	M	V	0.845	Likely Pathoaenic
SCN1A	2	166903459	T	G	400	M	L	0.891	Likely Pathoaenic
SCN1A	2	166903458	A	C	400	M	R	0.982	Likely Pathoaenic
SCN1A	2	166903458	A	G	400	M	T	0.978	Likely Pathoaenic
SCN1A	2	166903458	A	T	400	M	K	0.978	Likely Pathoaenic
SCN1A	2	166903457	C	A	400	M	I	0.959	Likely Pathoaenic
SCN1A	2	166903457	C	G	400	M	I	0.957	Likely Pathoaenic
SCN1A	2	166903457	C	T	400	M	I	0.958	Likely Pathoaenic
SCN1A	2	166903456	T	A	401	I	L	0.786	Likely Pathoaenic
SCN1A	2	166903456	T	C	401	I	V	0.790	Likely Pathoaenic
SCN1A	2	166903456	T	G	401	I	L	0.786	Likely Pathoaenic
SCN1A	2	166903455	A	C	401	I	R	0.995	Likely Pathoaenic
SCN1A	2	166903455	A	G	401	I	T	0.991	Likely Pathoaenic
SCN1A	2	166903455	A	T	401	I	K	0.994	Likely Pathoaenic
SCN1A	2	166903454	T	C	401	I	M	0.982	Likely Pathoaenic
SCN1A	2	166903453	A	C	402	F	V	0.993	Likely Pathoaenic
SCN1A	2	166903453	A	G	402	F	L	0.985	Likely Pathoaenic
SCN1A	2	166903453	A	T	402	F	I	0.988	Likely Pathoaenic
SCN1A	2	166903452	A	C	402	F	C	0.995	Likely Pathoaenic
SCN1A	2	166903452	A	G	402	F	S	0.995	Likely Pathoaenic
SCN1A	2	166903452	A	T	402	F	Y	0.954	Likely Pathoaenic
SCN1A	2	166903451	A	C	402	F	L	0.982	Likely Pathoaenic
SCN1A	2	166903451	A	T	402	F	L	0.982	Likely Pathoaenic
SCN1A	2	166903450	A	C	403	F	V	0.993	Likely Pathoaenic
SCN1A	2	166903450	A	G	403	F	L	0.990	Likely Pathoaenic
SCN1A	2	166903450	A	T	403	F	I	0.995	Likely Pathoaenic
SCN1A	2	166903449	A	C	403	F	C	0.996	Likely Pathoaenic
SCN1A	2	166903449	A	G	403	F	S	0.995	Likely Pathoaenic
SCN1A	2	166903449	A	T	403	F	Y	0.980	Likely Pathoaenic
SCN1A	2	166903448	A	C	403	F	L	0.990	Likely Pathoaenic
SCN1A	2	166903448	A	T	403	F	L	0.990	Likely Pathoaenic
SCN1A	2	166903447	C	A	404	V	L	0.976	Likely Pathoaenic
SCN1A	2	166903447	C	G	404	V	L	0.976	Likely Pathoaenic
SCN1A	2	166903447	C	T	404	V	I	0.827	Likely Pathoaenic
SCN1A	2	166903446	A	C	404	V	G	0.993	Likely Pathoaenic
SCN1A	2	166903446	A	G	404	V	A	0.978	Likely Pathoaenic
SCN1A	2	166903446	A	T	404	V	E	0.978	Likely Pathoaenic
SCN1A	2	166903444	A	C	405	L	V	0.502	Likely Benign
SCN1A	2	166903444	A	T	405	L	M	0.926	Likely Pathoaenic
SCN1A	2	166903443	A	C	405	L	W	0.989	Likely Pathoaenic
SCN1A	2	166903443	A	G	405	L	S	0.955	Likely Pathoaenic
SCN1A	2	166903442	C	A	405	L	F	0.906	Likely Pathoaenic
SCN1A	2	166903442	C	G	405	L	F	0.901	Likely Pathoaenic
SCN1A	2	166903441	C	A	406	V	F	0.950	Likely Pathoaenic
SCN1A	2	166903441	C	G	406	V	L	0.966	Likely Pathoaenic
SCN1A	2	166903441	C	T	406	V	I	0.911	Likely Pathoaenic
SCN1A	2	166903440	A	C	406	V	G	0.985	Likely Pathoaenic
SCN1A	2	166903440	A	G	406	V	A	0.976	Likely Pathoaenic
SCN1A	2	166903440	A	T	406	V	D	0.991	Likely Pathoaenic
SCN1A	2	166903438	T	A	407	I	F	0.985	Likely Pathoaenic
SCN1A	2	166903438	T	C	407	I	V	0.961	Likely Pathoaenic
SCN1A	2	166903438	T	G	407	I	L	0.975	Likely Pathoaenic
SCN1A	2	166903437	A	C	407	I	S	0.991	Likely Pathoaenic
SCN1A	2	166903437	A	G	407	I	T	0.990	Likely Pathoaenic
SCN1A	2	166903437	A	T	407	I	N	0.994	Likely Pathoaenic
SCN1A	2	166903436	A	C	407	I	M	0.986	Likely Pathoaenic
SCN1A	2	166903435	A	C	408	F	V	0.964	Likely Pathoaenic
SCN1A	2	166903435	A	G	408	F	L	0.959	Likely Pathoaenic
SCN1A	2	166903435	A	T	408	F	I	0.954	Likely Pathoaenic
SCN1A	2	166903434	A	C	408	F	C	0.990	Likely Pathoaenic
SCN1A	2	166903434	A	G	408	F	S	0.987	Likely Pathoaenic
SCN1A	2	166903434	A	T	408	F	Y	0.985	Likely Pathoaenic
SCN1A	2	166903433	G	C	408	F	L	0.857	Likely Pathoaenic
SCN1A	2	166903433	G	T	408	F	L	0.859	Likely Pathoaenic
SCN1A	2	166903432	A	C	409	L	V	0.913	Likely Pathoaenic
SCN1A	2	166903432	A	T	409	L	M	0.981	Likely Pathoaenic
SCN1A	2	166903431	A	C	409	L	W	0.984	Likely Pathoaenic
SCN1A	2	166903431	A	G	409	L	S	0.989	Likely Pathoaenic
SCN1A	2	166903430	C	A	409	L	F	0.910	Likely Pathoaenic
SCN1A	2	166903430	C	G	409	L	F	0.900	Likely Pathoaenic
SCN1A	2	166903429	A	C	410	G	C	0.985	Likely Pathoaenic
SCN1A	2	166903429	C	G	410	G	R	0.996	Likely Pathoaenic
SCN1A	2	166903429	C	T	410	G	S	0.988	Likely Pathoaenic
SCN1A	2	166903428	A	C	410	G	V	0.982	Likely Pathoaenic
SCN1A	2	166903428	C	G	410	G	A	0.983	Likely Pathoaenic
SCN1A	2	166903428	C	T	410	G	D	0.994	Likely Pathoaenic
SCN1A	2	166903426	A	C	411	S	A	0.914	Likely Pathoaenic
SCN1A	2	166903426	A	G	411	S	P	0.971	Likely Pathoaenic
SCN1A	2	166903426	A	T	411	S	T	0.950	Likely Pathoaenic
SCN1A	2	166903425	G	A	411	S	L	0.992	Likely Pathoaenic
SCN1A	2	166903423	A	C	412	F	V	0.993	Likely Pathoaenic
SCN1A	2	166903423	A	G	412	F	L	0.986	Likely Pathoaenic
SCN1A	2	166903423	A	T	412	F	I	0.988	Likely Pathoaenic
SCN1A	2	166903422	A	C	412	F	C	0.996	Likely Pathoaenic
SCN1A	2	166903422	A	G	412	F	S	0.995	Likely Pathoaenic
SCN1A	2	166903422	A	T	412	F	Y	0.979	Likely Pathoaenic
SCN1A	2	166903421	G	C	412	F	L	0.982	Likely Pathoaenic
SCN1A	2	166903421	G	T	412	F	L	0.982	Likely Pathoaenic
SCN1A	2	166903420	A	C	413	Y	D	0.992	Likely Pathoaenic
SCN1A	2	166903420	A	G	413	Y	H	0.989	Likely Pathoaenic
SCN1A	2	166903420	A	T	413	Y	N	0.992	Likely Pathoaenic
SCN1A	2	166903419	T	A	413	Y	F	0.936	Likely Pathoaenic
SCN1A	2	166903419	T	C	413	Y	C	0.990	Likely Pathoaenic
SCN1A	2	166903419	T	G	413	Y	S	0.987	Likely Pathoaenic
SCN1A	2	166903417	G	C	414	L	V	0.921	Likely Pathoaenic
SCN1A	2	166903417	G	T	414	L	I	0.967	Likely Pathoaenic
SCN1A	2	166903416	A	C	414	R	P	0.995	Likely Pathoaenic
SCN1A	2	166903416	A	G	414	L	P	0.995	Likely Pathoaenic
SCN1A	2	166903416	A	T	414	L	Q	0.995	Likely Pathoaenic
SCN1A	2	166903414	T	A	415	L	L	0.601	Likely Benign
SCN1A	2	166903414	T	C	415	I	V	0.282	Likely Benign
SCN1A	2	166903414	T	G	415	I	L	0.601	Likely Benign
SCN1A	2	166903413	A	C	415	I	R	0.983	Likely Pathoaenic
SCN1A	2	166903413	A	G	415	I	T	0.972	Likely Pathoaenic
SCN1A	2	166903413	A	T	415	I	K	0.989	Likely Pathoaenic
SCN1A	2	166903412	T	C	415	I	M	0.905	Likely Pathoaenic
SCN1A	2	166903411	T	A	416	N	Y	0.996	Likely Pathoaenic
SCN1A	2	166903411	T	C	416	N	D	0.995	Likely Pathoaenic
SCN1A	2	166903411	T	G	416	N	H	0.996	Likely Pathoaenic
SCN1A	2	166903410	T	A	416	N	I	0.997	Likely Pathoaenic
SCN1A	2	166903410	T	C	416	N	S	0.988	Likely Pathoaenic
SCN1A	2	166903410	T	G	416	N	T	0.994	Likely Pathoaenic
SCN1A	2	166903409	A	C	416	N	K	0.995	Likely Pathoaenic
SCN1A	2	166903409	A	T	416	N	K	0.995	Likely Pathoaenic
SCN1A	2	166903408	A	C	417	L	V	0.990	Likely Pathoaenic
SCN1A	2	166903408	A	T	417	L	M	0.990	Likely Pathoaenic
SCN1A	2	166903407	A	C	417	L	W	0.996	Likely Pathoaenic
SCN1A	2	166903407	A	G	417	L	S	0.997	Likely Pathoaenic
SCN1A	2	166903406	C	A	417	F	L	0.995	Likely Pathoaenic
SCN1A	2	166903406	C	G	417	L	F	0.995	Likely Pathoaenic
SCN1A	2	166903405	T	A	418	I	F	0.955	Likely Pathoaenic
SCN1A	2	166903405	T	C	418	I	V	0.949	Likely Pathoaenic
SCN1A	2	166903405	T	G	418	I	L	0.953	Likely Pathoaenic
SCN1A	2	166903404	A	C	418	I	S	0.992	Likely Pathoaenic
SCN1A	2	166903404	A	G	418	I	T	0.971	Likely Pathoaenic
SCN1A	2	166903404	A	T	418	I	N	0.990	Likely Pathoaenic
SCN1A	2	166903403	G	C	418	I	M	0.971	Likely Pathoaenic
SCN1A	2	166903402	G	C	419	L	V	0.897	Likely Pathoaenic
SCN1A	2	166903402	G	T	419	L	M	0.984	Likely Pathoaenic
SCN1A	2	166903401	A	C	419	L	R	0.995	Likely Pathoaenic
SCN1A	2	166903401	A	G	419	L	P	0.994	Likely Pathoaenic
SCN1A	2	166903401	A	T	419	L	Q	0.995	Likely Pathoaenic
SCN1A	2	166903399	C	A	420	A	S	0.992	Likely Pathoaenic
SCN1A	2	166903399	C	G	420	A	P	0.996	Likely Pathoaenic
SCN1A	2	166903399	C	T	420	A	T	0.996	Likely Pathoaenic
SCN1A	2	166903398	G	A	420	A	V	0.985	Likely Pathoaenic
SCN1A	2	166903398	G	C	420	A	G	0.969	Likely Pathoaenic
SCN1A	2	166903398	G	T	420	A	D	0.996	Likely Pathoaenic
SCN1A	2	166903396	C	A	421	V	L	0.979	Likely Pathoaenic
SCN1A	2	166903396	C	G	421	V	L	0.979	Likely Pathoaenic
SCN1A	2	166903396	C	T	421	V	M	0.996	Likely Pathoaenic
SCN1A	2	166903395	A	C	421	V	G	0.995	Likely Pathoaenic
SCN1A	2	166903395	A	G	421	V	A	0.994	Likely Pathoaenic
SCN1A	2	166903395	A	T	421	V	E	0.995	Likely Pathoaenic
SCN1A	2	166903393	C	A	422	V	L	0.971	Likely Pathoaenic
SCN1A	2	166903393	C	G	422	V	L	0.970	Likely Pathoaenic
SCN1A	2	166903393	C	T	422	V	M	0.987	Likely Pathoaenic
SCN1A	2	166903392	A	C	422	V	G	0.994	Likely Pathoaenic
SCN1A	2	166903392	A	G	422	V	A	0.991	Likely Pathoaenic
SCN1A	2	166903392	A	T	422	V	E	0.991	Likely Pathoaenic
SCN1A	2	166903390	C	A	423	A	S	0.971	Likely Pathoaenic
SCN1A	2	166903390	C	G	423	A	P	0.971	Likely Pathoaenic
SCN1A	2	166903390	C	T	423	A	T	0.819	Likely Pathoaenic
SCN1A	2	166903389	G	A	423	V	V	0.973	Likely Pathoaenic
SCN1A	2	166903389	G	C	423	A	G	0.974	Likely Pathoaenic
SCN1A	2	166903389	G	T	423	A	D	0.975	Likely Pathoaenic
SCN1A	2	166903387	T	A	424	M	L	0.934	Likely Pathoaenic
SCN1A	2	166903387	T	C	424	M	V	0.967	Likely Pathoaenic
SCN1A	2	166903387	T	G	424	M	L	0.936	Likely Pathoaenic
SCN1A	2	166903386	A	C	424	M	R	0.968	Likely Pathoaenic
SCN1A	2	166903386	A	G	424	M	T	0.966	Likely Pathoaenic
SCN1A	2	166903386	A	T	424	M	K	0.960	Likely Pathoaenic
SCN1A	2	166903385	C	A	424	M	I	0.967	Likely Pathoaenic
SCN1A	2	166903385	C	G	424	M	I	0.967	Likely Pathoaenic
SCN1A	2	166903385	C	T	424	M	I	0.967	Likely Pathoaenic
SCN1A	2	166903384	C	A	425	A	S	0.890	Likely Pathoaenic
SCN1A	2	166903384	C	G	425	A	P	0.963	Likely Pathoaenic
SCN1A	2	166903384	C	T	425	A	T	0.965	Likely Pathoaenic
SCN1A	2	166903383	G	A	425	A	V	0.973	Likely Pathoaenic
SCN1A	2	166903383	G	C	425	A	G	0.978	Likely Pathoaenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166170424	G	A	397	A	T	0.458	Likely Benign
SCN2A	2	166170424	G	C	397	A	P	0.728	Likely Benign
SCN2A	2	166170424	G	T	397	A	S	0.343	Likely Benign
SCN2A	2	166170425	C	A	397	A	D	0.759	Likely Benign
SCN2A	2	166170425	C	G	397	A	G	0.751	Likely Benign
SCN2A	2	166170425	C	T	397	A	V	0.499	Likely Benign
SCN2A	2	166170427	G	A	398	G	R	0.977	Likely Pathogenic
SCN2A	2	166170427	G	C	398	G	R	0.978	Likely Pathogenic
SCN2A	2	166170427	G	T	398	G	W	0.992	Likely Pathogenic
SCN2A	2	166170428	G	A	398	G	E	0.965	Likely Pathogenic
SCN2A	2	166170428	G	C	398	G	A	0.951	Likely Pathogenic
SCN2A	2	166170428	G	T	398	G	V	0.98	Likely Pathogenic
SCN2A	2	166170430	A	C	399	K	Q	0.87	Likely Pathogenic
SCN2A	2	166170430	A	G	399	K	E	0.894	Likely Pathogenic
SCN2A	2	166170431	A	C	399	K	T	0.917	Likely Pathogenic
SCN2A	2	166170431	A	G	399	K	R	0.823	Likely Pathogenic
SCN2A	2	166170431	A	T	399	K	I	0.957	Likely Pathogenic
SCN2A	2	166170432	A	C	399	K	N	0.89	Likely Pathogenic
SCN2A	2	166170432	A	T	399	K	N	0.891	Likely Pathogenic
SCN2A	2	166170433	A	C	400	T	P	0.619	Likely Benign
SCN2A	2	166170433	A	G	400	T	A	0.456	Likely Benign
SCN2A	2	166170433	A	T	400	T	S	0.454	Likely Benign
SCN2A	2	166170434	C	A	400	T	K	0.766	Likely Benign
SCN2A	2	166170434	C	G	400	T	R	0.712	Likely Benign
SCN2A	2	166170434	C	T	400	T	M	0.67	Likely Benign
SCN2A	2	166170436	T	A	401	Y	N	0.957	Likely Pathogenic
SCN2A	2	166170436	T	C	401	Y	H	0.704	Likely Benign
SCN2A	2	166170436	T	G	401	Y	D	0.966	Likely Pathogenic
SCN2A	2	166170437	A	C	401	Y	S	0.938	Likely Pathogenic
SCN2A	2	166170437	A	G	401	Y	C	0.981	Likely Pathogenic
SCN2A	2	166170437	A	T	401	Y	F	0.912	Likely Pathogenic
SCN2A	2	166170439	A	C	402	M	L	0.751	Likely Benign
SCN2A	2	166170439	A	G	402	M	V	0.731	Likely Benign
SCN2A	2	166170439	A	T	402	M	L	0.751	Likely Benign
SCN2A	2	166170440	T	A	402	M	K	0.956	Likely Pathogenic
SCN2A	2	166170440	T	C	402	M	T	0.943	Likely Pathogenic
SCN2A	2	166170440	T	G	402	M	R	0.967	Likely Pathogenic
SCN2A	2	166170441	G	A	402	M	I	0.822	Likely Pathogenic
SCN2A	2	166170441	G	C	402	M	I	0.812	Likely Pathogenic
SCN2A	2	166170441	G	T	402	M	I	0.824	Likely Pathogenic
SCN2A	2	166170442	A	C	403	I	L	0.609	Likely Benign
SCN2A	2	166170442	A	G	403	I	V	0.591	Likely Benign
SCN2A	2	166170442	A	T	403	I	L	0.61	Likely Benign
SCN2A	2	166170443	T	A	403	I	K	0.993	Likely Pathogenic
SCN2A	2	166170443	T	C	403	I	T	0.985	Likely Pathogenic
SCN2A	2	166170443	T	G	403	I	R	0.994	Likely Pathogenic
SCN2A	2	166170444	A	G	403	I	M	0.961	Likely Pathogenic
SCN2A	2	166170445	T	A	404	F	I	0.986	Likely Pathogenic
SCN2A	2	166170445	T	C	404	F	L	0.975	Likely Pathogenic
SCN2A	2	166170445	T	G	404	F	V	0.988	Likely Pathogenic
SCN2A	2	166170446	T	A	404	F	Y	0.805	Likely Pathogenic
SCN2A	2	166170446	T	C	404	F	S	0.989	Likely Pathogenic
SCN2A	2	166170446	T	G	404	F	C	0.993	Likely Pathogenic
SCN2A	2	166170447	T	A	404	F	L	0.955	Likely Pathogenic
SCN2A	2	166170447	T	G	404	F	L	0.958	Likely Pathogenic
SCN2A	2	166170448	A	C	405	F	I	0.989	Likely Pathogenic
SCN2A	2	166170448	T	C	405	F	L	0.98	Likely Pathogenic
SCN2A	2	166170448	T	G	405	F	V	0.986	Likely Pathogenic
SCN2A	2	166170449	T	A	405	F	Y	0.947	Likely Pathogenic
SCN2A	2	166170449	T	C	405	F	S	0.994	Likely Pathogenic
SCN2A	2	166170449	T	G	405	F	C	0.993	Likely Pathogenic
SCN2A	2	166170450	T	A	405	F	L	0.979	Likely Pathogenic
SCN2A	2	166170450	T	G	405	F	L	0.979	Likely Pathogenic
SCN2A	2	166170451	G	A	406	V	M	0.721	Likely Benign
SCN2A	2	166170451	G	C	406	V	L	0.684	Likely Benign
SCN2A	2	166170451	G	T	406	V	L	0.685	Likely Benign
SCN2A	2	166170452	T	A	406	V	E	0.991	Likely Pathogenic
SCN2A	2	166170452	T	C	406	V	A	0.952	Likely Pathogenic
SCN2A	2	166170452	T	G	406	V	G	0.983	Likely Pathogenic
SCN2A	2	166170454	C	A	407	L	M	0.639	Likely Benign
SCN2A	2	166170454	C	G	407	L	V	0.273	Likely Benign
SCN2A	2	166170454	C	T	407	L	F	0.97	Likely Pathogenic
SCN2A	2	166170455	T	C	407	L	P	0.948	Likely Pathogenic
SCN2A	2	166170455	T	G	407	L	R	0.975	Likely Pathogenic
SCN2A	2	166170457	G	A	408	V	I	0.548	Likely Benign
SCN2A	2	166170457	G	C	408	V	L	0.773	Likely Benign
SCN2A	2	166170457	G	T	408	V	F	0.806	Likely Pathogenic
SCN2A	2	166170458	T	A	408	V	D	0.987	Likely Pathogenic
SCN2A	2	166170458	T	C	408	V	A	0.966	Likely Pathogenic
SCN2A	2	166170458	T	G	408	V	G	0.969	Likely Pathogenic
SCN2A	2	166170460	A	C	409	I	L	0.85	Likely Pathogenic
SCN2A	2	166170460	A	G	409	I	V	0.727	Likely Benign
SCN2A	2	166170460	A	T	409	I	F	0.968	Likely Pathogenic
SCN2A	2	166170461	T	A	409	I	N	0.991	Likely Pathogenic
SCN2A	2	166170461	T	C	409	I	T	0.98	Likely Pathogenic
SCN2A	2	166170461	T	G	409	I	S	0.984	Likely Pathogenic
SCN2A	2	166170462	T	G	409	I	M	0.957	Likely Pathogenic
SCN2A	2	166170463	T	A	410	F	I	0.838	Likely Pathogenic
SCN2A	2	166170463	T	C	410	F	L	0.919	Likely Pathogenic
SCN2A	2	166170463	T	G	410	F	V	0.941	Likely Pathogenic
SCN2A	2	166170464	A	C	410	F	V	0.966	Likely Pathogenic
SCN2A	2	166170464	T	C	410	F	S	0.967	Likely Pathogenic
SCN2A	2	166170464	T	G	410	F	C	0.981	Likely Pathogenic
SCN2A	2	166170465	A	C	410	F	L	0.704	Likely Benign
SCN2A	2	166170465	C	G	410	F	L	0.705	Likely Benign
SCN2A	2	166170466	T	A	411	L	M	0.966	Likely Pathogenic
SCN2A	2	166170466	T	G	411	L	V	0.768	Likely Benign
SCN2A	2	166170467	T	A	411	L	S	0.98	Likely Pathogenic
SCN2A	2	166170467	T	G	411	L	W	0.974	Likely Pathogenic
SCN2A	2	166170468	G	C	411	L	F	0.54	Likely Benign
SCN2A	2	166170468	G	T	411	L	F	0.54	Likely Benign
SCN2A	2	166170469	G	A	412	G	S	0.969	Likely Pathogenic
SCN2A	2	166170469	G	C	412	G	R	0.994	Likely Pathogenic
SCN2A	2	166170469	G	T	412	G	C	0.94	Likely Pathogenic
SCN2A	2	166170470	G	A	412	G	D	0.985	Likely Pathogenic
SCN2A	2	166170470	G	C	412	G	A	0.945	Likely Pathogenic
SCN2A	2	166170470	G	T	412	G	V	0.935	Likely Pathogenic
SCN2A	2	166170472	T	A	413	S	T	0.894	Likely Pathogenic
SCN2A	2	166170472	T	C	413	S	P	0.95	Likely Pathogenic
SCN2A	2	166170472	T	G	413	S	A	0.75	Likely Benign
SCN2A	2	166170473	C	T	413	S	L	0.985	Likely Pathogenic
SCN2A	2	166170475	T	A	414	F	I	0.978	Likely Pathogenic
SCN2A	2	166170475	T	C	414	F	L	0.963	Likely Pathogenic
SCN2A	2	166170475	T	G	414	F	V	0.983	Likely Pathogenic
SCN2A	2	166170476	T	A	414	F	Y	0.927	Likely Pathogenic
SCN2A	2	166170476	T	C	414	F	S	0.992	Likely Pathogenic
SCN2A	2	166170476	T	G	414	F	C	0.993	Likely Pathogenic
SCN2A	2	166170477	C	A	414	F	L	0.925	Likely Pathogenic
SCN2A	2	166170477	C	G	414	F	L	0.924	Likely Pathogenic
SCN2A	2	166170478	T	A	415	Y	N	0.986	Likely Pathogenic
SCN2A	2	166170478	T	C	415	Y	H	0.982	Likely Pathogenic
SCN2A	2	166170478	T	G	415	Y	D	0.987	Likely Pathogenic
SCN2A	2	166170479	A	C	415	Y	S	0.986	Likely Pathogenic
SCN2A	2	166170479	A	G	415	Y	C	0.982	Likely Pathogenic
SCN2A	2	166170479	A	T	415	Y	F	0.744	Likely Benign
SCN2A	2	166170481	C	A	416	L	I	0.744	Likely Benign
SCN2A	2	166170481	C	G	416	L	V	0.783	Likely Pathogenic
SCN2A	2	166170482	T	A	416	L	Q	0.98	Likely Pathogenic
SCN2A	2	166170482	T	C	416	L	P	0.989	Likely Pathogenic
SCN2A	2	166170482	T	G	416	L	R	0.989	Likely Pathogenic
SCN2A	2	166170484	A	C	417	I	L	0.279	Likely Benign
SCN2A	2	166170484	A	G	417	I	V	0.271	Likely Benign
SCN2A	2	166170484	A	T	417	I	L	0.301	Likely Benign
SCN2A	2	166170485	T	A	417	I	K	0.978	Likely Pathogenic
SCN2A	2	166170485	T	C	417	I	T	0.789	Likely Pathogenic
SCN2A	2	166170485	T	G	417	I	R	0.962	Likely Pathogenic
SCN2A	2	166170486	A	G	417	I	M	0.642	Likely Benign
SCN2A	2	166170487	A	C	418	N	H	0.995	Likely Pathogenic
SCN2A	2	166170487	A	G	418	N	D	0.992	Likely Pathogenic
SCN2A	2	166170487	A	T	418	N	Y	0.995	Likely Pathogenic
SCN2A	2	166170488	A	C	418	N	T	0.992	Likely Pathogenic
SCN2A	2	166170488	A	G	418	N	S	0.92	Likely Pathogenic
SCN2A	2	166170488	A	T	418	N	I	0.995	Likely Pathogenic
SCN2A	2	166170489	T	A	418	N	K	0.992	Likely Pathogenic
SCN2A	2	166170489	T	G	418	N	K	0.992	Likely Pathogenic
SCN2A	2	166170490	T	A	419	L	M	0.981	Likely Pathogenic
SCN2A	2	166170490	T	G	419	L	V	0.981	Likely Pathogenic
SCN2A	2	166170491	C	A	419	L	S	0.993	Likely Pathogenic
SCN2A	2	166170491	T	G	419	L	W	0.99	Likely Pathogenic
SCN2A	2	166170492	G	C	419	L	Y	0.982	Likely Pathogenic
SCN2A	2	166170492	G	T	419	L	F	0.982	Likely Pathogenic
SCN2A	2	166170493	A	C	420	I	L	0.732	Likely Benign
SCN2A	2	166170493	A	G	420	I	V	0.667	Likely Benign
SCN2A	2	166170493	A	T	420	I	F	0.688	Likely Benign
SCN2A	2	166170494	T	A	420	I	N	0.975	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166903383	G	T	425	A	D	0.974	Likely Pathoenic
SCN1A	2	166903381	A	C	426	Y	D	0.979	Likely Pathoenic
SCN1A	2	166903381	A	G	426	Y	H	0.978	Likely Pathoenic
SCN1A	2	166903381	A	T	426	Y	N	0.978	Likely Pathoenic
SCN1A	2	166903380	T	A	426	Y	F	0.972	Likely Pathoenic
SCN1A	2	166903380	T	C	426	Y	C	0.973	Likely Pathoenic
SCN1A	2	166903380	T	G	426	Y	S	0.972	Likely Pathoenic
SCN1A	2	166903378	G	A	427	E	Q	0.876	Likely Pathoenic
SCN1A	2	166903378	C	T	427	E	K	0.934	Likely Pathoenic
SCN1A	2	166903377	T	A	427	E	V	0.959	Likely Pathoenic
SCN1A	2	166903377	T	C	427	E	G	0.940	Likely Pathoenic
SCN1A	2	166903377	T	G	427	E	A	0.720	Likely Benign
SCN1A	2	166903376	C	A	427	E	D	0.323	Likely Benign
SCN1A	2	166903376	C	G	427	E	D	0.324	Likely Benign
SCN1A	2	166903375	G	A	428	E	Q	0.978	Likely Pathoenic
SCN1A	2	166903375	C	T	428	E	K	0.976	Likely Pathoenic
SCN1A	2	166903374	T	A	428	E	V	0.978	Likely Pathoenic
SCN1A	2	166903374	T	C	428	E	G	0.978	Likely Pathoenic
SCN1A	2	166903374	T	G	428	E	A	0.974	Likely Pathoenic
SCN1A	2	166903373	T	A	428	E	D	0.977	Likely Pathoenic
SCN1A	2	166903373	T	G	428	E	D	0.977	Likely Pathoenic
SCN1A	2	166903372	G	C	429	Q	E	0.884	Likely Pathoenic
SCN1A	2	166903372	G	T	429	Q	K	0.962	Likely Pathoenic
SCN1A	2	166903371	T	A	429	Q	L	0.923	Likely Pathoenic
SCN1A	2	166903371	T	C	429	Q	R	0.943	Likely Pathoenic
SCN1A	2	166903371	T	G	429	Q	P	0.969	Likely Pathoenic
SCN1A	2	166903370	C	A	429	Q	H	0.961	Likely Pathoenic
SCN1A	2	166903370	C	G	429	Q	H	0.961	Likely Pathoenic
SCN1A	2	166903369	T	A	430	N	Y	0.963	Likely Pathoenic
SCN1A	2	166903369	T	C	430	N	D	0.956	Likely Pathoenic
SCN1A	2	166903369	T	G	430	N	H	0.866	Likely Pathoenic
SCN1A	2	166903368	T	A	430	N	I	0.967	Likely Pathoenic
SCN1A	2	166903368	T	C	430	N	S	0.840	Likely Pathoenic
SCN1A	2	166903368	T	G	430	N	T	0.962	Likely Pathoenic
SCN1A	2	166903367	A	C	430	N	K	0.873	Likely Pathoenic
SCN1A	2	166903367	A	T	430	N	K	0.873	Likely Pathoenic
SCN1A	2	166903366	G	C	431	Q	E	0.027	Likely Benign
SCN1A	2	166903366	G	T	431	Q	K	0.036	Likely Benign
SCN1A	2	166903365	T	A	431	Q	L	0.104	Likely Benign
SCN1A	2	166903365	T	C	431	Q	R	0.069	Likely Benign
SCN1A	2	166903365	T	G	431	Q	P	0.163	Likely Benign
SCN1A	2	166903364	C	A	431	Q	H	0.130	Likely Benign
SCN1A	2	166903364	C	G	431	Q	H	0.131	Likely Benign
SCN1A	2	166903363	A	G	432	A	S	0.010	Likely Benign
SCN1A	2	166903363	C	G	432	A	P	0.012	Likely Benign
SCN1A	2	166903363	C	T	432	A	T	0.006	Likely Benign
SCN1A	2	166903362	G	A	432	A	V	0.007	Likely Benign
SCN1A	2	166903362	G	C	432	A	G	0.011	Likely Benign
SCN1A	2	166903362	G	T	432	A	D	0.010	Likely Benign
SCN1A	2	166903360	T	A	433	T	S	0.005	Likely Benign
SCN1A	2	166903360	T	C	433	T	A	0.006	Likely Benign
SCN1A	2	166903360	T	G	433	T	P	0.011	Likely Benign
SCN1A	2	166903359	G	A	433	T	I	0.011	Likely Benign
SCN1A	2	166903359	G	C	433	T	S	0.005	Likely Benign
SCN1A	2	166903359	G	T	433	T	N	0.006	Likely Benign
SCN1A	2	166903357	A	C	434	L	V	0.003	Likely Benign
SCN1A	2	166903357	A	T	434	L	M	0.003	Likely Benign
SCN1A	2	166903356	A	C	434	L	W	0.004	Likely Benign
SCN1A	2	166903356	A	G	434	L	S	0.004	Likely Benign
SCN1A	2	166903355	C	A	434	L	F	0.004	Likely Benign
SCN1A	2	166903355	C	G	434	L	F	0.004	Likely Benign
SCN1A	2	166903354	C	G	435	E	Q	0.002	Likely Benign
SCN1A	2	166903354	T	A	435	K	N	0.004	Likely Benign
SCN1A	2	166903353	T	A	435	E	V	0.003	Likely Benign
SCN1A	2	166903353	T	C	435	E	G	0.006	Likely Benign
SCN1A	2	166903353	T	G	435	E	A	0.002	Likely Benign
SCN1A	2	166903352	T	A	435	E	D	0.002	Likely Benign
SCN1A	2	166903352	T	G	435	E	D	0.002	Likely Benign
SCN1A	2	166903351	C	G	436	E	Q	0.133	Likely Benign
SCN1A	2	166903351	C	T	436	E	K	0.077	Likely Benign
SCN1A	2	166903350	T	A	436	E	V	0.196	Likely Benign
SCN1A	2	166903350	T	C	436	E	G	0.171	Likely Benign
SCN1A	2	166903350	T	G	436	E	A	0.139	Likely Benign
SCN1A	2	166903349	T	A	436	E	D	0.118	Likely Benign
SCN1A	2	166903349	T	G	436	E	D	0.117	Likely Benign
SCN1A	2	166903348	C	A	437	A	S	0.006	Likely Benign
SCN1A	2	166903348	C	G	437	A	P	0.010	Likely Benign
SCN1A	2	166903348	C	T	437	A	T	0.003	Likely Benign
SCN1A	2	166903347	A	C	437	A	V	0.009	Likely Benign
SCN1A	2	166903347	G	C	437	A	G	0.009	Likely Benign
SCN1A	2	166903347	G	T	437	A	E	0.003	Likely Benign
SCN1A	2	166903345	C	G	438	E	Q	0.017	Likely Benign
SCN1A	2	166903345	C	T	438	E	K	0.018	Likely Benign
SCN1A	2	166903344	T	A	438	E	V	0.048	Likely Benign
SCN1A	2	166903344	T	C	438	E	G	0.078	Likely Benign
SCN1A	2	166903344	T	G	438	E	A	0.069	Likely Benign
SCN1A	2	166903343	T	A	438	E	D	0.066	Likely Benign
SCN1A	2	166903343	T	G	438	E	D	0.066	Likely Benign
SCN1A	2	166903342	G	C	439	Q	E	0.119	Likely Benign
SCN1A	2	166903342	G	T	439	Q	K	0.147	Likely Benign
SCN1A	2	166903341	A	G	439	Q	L	0.565	Likely Benign
SCN1A	2	166903341	T	C	439	Q	R	0.184	Likely Benign
SCN1A	2	166903341	T	G	439	Q	P	0.591	Likely Benign
SCN1A	2	166903340	C	A	439	Q	H	0.588	Likely Benign
SCN1A	2	166903340	C	G	439	Q	H	0.593	Likely Benign
SCN1A	2	166903339	T	C	440	K	E	0.012	Likely Benign
SCN1A	2	166903339	T	G	440	K	Q	0.012	Likely Benign
SCN1A	2	166903338	T	A	440	K	I	0.009	Likely Benign
SCN1A	2	166903338	T	C	440	K	R	0.006	Likely Benign
SCN1A	2	166903338	T	G	440	K	T	0.013	Likely Benign
SCN1A	2	166903337	T	A	440	K	N	0.013	Likely Benign
SCN1A	2	166903337	T	G	440	K	N	0.013	Likely Benign
SCN1A	2	166903336	C	G	441	E	Q	0.011	Likely Benign
SCN1A	2	166903336	C	T	441	E	K	0.006	Likely Benign
SCN1A	2	166903335	T	A	441	E	V	0.014	Likely Benign
SCN1A	2	166903335	T	C	441	E	G	0.010	Likely Benign
SCN1A	2	166903335	T	G	441	E	A	0.011	Likely Benign
SCN1A	2	166903334	C	A	441	E	D	0.012	Likely Benign
SCN1A	2	166903334	C	G	441	E	D	0.012	Likely Benign
SCN1A	2	166903333	C	A	442	A	S	0.004	Likely Benign
SCN1A	2	166903333	C	G	442	A	P	0.002	Likely Benign
SCN1A	2	166903333	C	T	442	A	T	0.005	Likely Benign
SCN1A	2	166903332	G	A	442	A	V	0.002	Likely Benign
SCN1A	2	166903332	G	C	442	A	G	0.005	Likely Benign
SCN1A	2	166903332	G	T	442	A	D	0.005	Likely Benign
SCN1A	2	166903330	C	G	443	E	Q	0.118	Likely Benign
SCN1A	2	166903330	C	T	443	E	K	0.062	Likely Benign
SCN1A	2	166903329	T	A	443	E	V	0.280	Likely Benign
SCN1A	2	166903329	T	C	443	E	G	0.210	Likely Benign
SCN1A	2	166903329	T	G	443	E	A	0.203	Likely Benign
SCN1A	2	166903328	T	A	443	E	D	0.077	Likely Benign
SCN1A	2	166903328	T	G	443	E	D	0.078	Likely Benign
SCN1A	2	166903327	A	C	444	F	V	0.182	Likely Benign
SCN1A	2	166903327	A	G	444	F	L	0.052	Likely Benign
SCN1A	2	166903327	A	T	444	F	I	0.139	Likely Benign
SCN1A	2	166903326	A	C	444	F	C	0.206	Likely Benign
SCN1A	2	166903326	A	G	444	F	S	0.194	Likely Benign
SCN1A	2	166903326	A	T	444	F	Y	0.054	Likely Benign
SCN1A	2	166903325	A	C	444	F	L	0.052	Likely Benign
SCN1A	2	166903325	A	T	444	F	L	0.052	Likely Benign
SCN1A	2	166903324	G	C	445	Q	E	0.009	Likely Benign
SCN1A	2	166903324	G	T	445	Q	K	0.003	Likely Benign
SCN1A	2	166903323	T	A	445	Q	L	0.005	Likely Benign
SCN1A	2	166903323	T	C	445	Q	R	0.003	Likely Benign
SCN1A	2	166903323	T	G	445	Q	P	0.009	Likely Benign
SCN1A	2	166903322	C	A	445	Q	H	0.010	Likely Benign
SCN1A	2	166903322	C	G	445	Q	H	0.010	Likely Benign
SCN1A	2	166903321	G	C	446	Q	E	0.002	Likely Benign
SCN1A	2	166903321	G	T	446	Q	K	0.002	Likely Benign
SCN1A	2	166903320	T	A	446	Q	L	0.002	Likely Benign
SCN1A	2	166903320	T	C	446	Q	R	0.002	Likely Benign
SCN1A	2	166903320	T	G	446	Q	P	0.006	Likely Benign
SCN1A	2	166903319	C	A	446	Q	H	0.004	Likely Benign
SCN1A	2	166903319	C	G	446	Q	H	0.004	Likely Benign
SCN1A	2	166903318	T	A	447	M	L	0.024	Likely Benign
SCN1A	2	166903318	T	C	447	M	V	0.093	Likely Benign
SCN1A	2	166903318	T	G	447	M	L	0.024	Likely Benign
SCN1A	2	166903317	A	C	447	M	R	0.124	Likely Benign
SCN1A	2	166903317	A	G	447	M	T	0.042	Likely Benign
SCN1A	2	166903317	A	T	447	M	K	0.050	Likely Benign
SCN1A	2	166903316	C	A	447	M	I	0.040	Likely Benign
SCN1A	2	166903316	C	G	447	M	I	0.039	Likely Benign
SCN1A	2	166903316	C	T	447	M	I	0.040	Likely Benign
SCN1A	2	166903315	T	A	448	I	F	0.016	Likely Benign
SCN1A	2	166903315	T	C	448	I	V	0.009	Likely Benign
SCN1A	2	166903315	T	G	448	I	L	0.001	Likely Benign
SCN1A	2	166903314	A	C	448	I	S	0.018	Likely Benign
SCN1A	2	166903314	A	G	448	I	T	0.017	Likely Benign
SCN1A	2	166903314	A	T	448	I	N	0.019	Likely Benign
SCN1A	2	166903313	A	C	448	I	M	0.002	Likely Benign
SCN1A	2	166903312	C	G	449	E	Q	0.007	Likely Benign
SCN1A	2	166903312	C	T	449	E	K	0.007	Likely Benign
SCN1A	2	166903311	T	A	449	E	V	0.007	Likely Benign
SCN1A	2	166903311	T	C	449	E	G	0.011	Likely Benign
SCN1A	2	166903311	T	G	449	E	A	0.005	Likely Benign
SCN1A	2	166903310	T	A	449	E	D	0.005	Likely Benign
SCN1A	2	166903310	T	G	449	E	D	0.005	Likely Benign
SCN1A	2	166903309	C	T	450	Q	E	0.002	Likely Benign
SCN1A	2	166903309	G	T	450	Q	K	0.005	Likely Benign
SCN1A	2	166903308	T	A	450	Q	L	0.004	Likely Benign
SCN1A	2	166903308	T	C	450	Q	R	0.003	Likely Benign
SCN1A	2	166903308	T	G	450	Q	P	0.008	Likely Benign
SCN1A	2	166903307	C	A	450	Q	H	0.004	Likely Benign
SCN1A	2	166903307	C	G	450	Q	H	0.004	Likely Benign
SCN1A	2	166903306	G	A	451	L	F	0.119	Likely Benign
SCN1A	2	166903306	G	C	451	L	V	0.180	Likely Benign
SCN1A	2	166903306	G	T	451	L	I	0.033	Likely Benign
SCN1A	2	166903305	A	C	451	L	R	0.266	Likely Benign
SCN1A	2	166903305	A	G	451	L	P	0.254	Likely Benign
SCN1A	2	166903305	A	T	451	L	H	0.289	Likely Benign
SCN1A	2	166903303	T	C	452	K	E	0.079	Likely Benign
SCN1A	2	166903303	T	G	452	K	Q	0.052	Likely Benign
SCN1A	2	166903302	T	A	452	K	I	0.243	Likely Benign
SCN1A	2	166903302	T	C	452	K	R	0.039	Likely Benign
SCN1A	2	166903302	T	G	452	K	T	0.073	Likely Benign
SCN1A	2	166903301	T	A	452	K	N	0.169	Likely Benign
SCN1A	2	166903301	T	G	452	K	N	0.169	Likely Benign

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166170509	C	T	425	A	V	0.807	Likely Pathogenic
SCN2A	2	166170511	A	C	426	M	L	0.85	Likely Pathogenic
SCN2A	2	166170511	A	G	426	M	V	0.932	Likely Pathogenic
SCN2A	2	166170511	A	T	426	M	L	0.857	Likely Pathogenic
SCN2A	2	166170512	T	A	426	M	K	0.88	Likely Pathogenic
SCN2A	2	166170512	T	C	426	M	T	0.928	Likely Pathogenic
SCN2A	2	166170512	T	G	426	M	R	0.951	Likely Pathogenic
SCN2A	2	166170513	G	A	426	M	I	0.864	Likely Pathogenic
SCN2A	2	166170513	G	C	426	M	I	0.859	Likely Pathogenic
SCN2A	2	166170513	G	T	426	M	I	0.856	Likely Pathogenic
SCN2A	2	166170514	G	A	427	A	T	0.707	Likely Benign
SCN2A	2	166170514	G	C	427	A	P	0.84	Likely Pathogenic
SCN2A	2	166170514	G	T	427	A	S	0.375	Likely Benign
SCN2A	2	166170515	C	A	427	A	D	0.926	Likely Pathogenic
SCN2A	2	166170515	C	G	427	A	G	0.886	Likely Pathogenic
SCN2A	2	166170515	C	T	427	A	V	0.891	Likely Pathogenic
SCN2A	2	166170517	T	A	428	Y	N	0.957	Likely Pathogenic
SCN2A	2	166170517	T	C	428	Y	H	0.937	Likely Pathogenic
SCN2A	2	166170517	T	G	428	Y	D	0.958	Likely Pathogenic
SCN2A	2	166170518	A	C	428	Y	S	0.936	Likely Pathogenic
SCN2A	2	166170518	A	G	428	Y	C	0.895	Likely Pathogenic
SCN2A	2	166170518	A	T	428	Y	F	0.821	Likely Pathogenic
SCN2A	2	166170520	G	A	429	E	K	0.736	Likely Benign
SCN2A	2	166170520	G	C	429	E	Q	0.613	Likely Benign
SCN2A	2	166170521	A	C	429	E	A	0.762	Likely Benign
SCN2A	2	166170521	A	G	429	E	G	0.935	Likely Pathogenic
SCN2A	2	166170521	A	T	429	E	V	0.955	Likely Pathogenic
SCN2A	2	166170522	G	C	429	E	D	0.379	Likely Benign
SCN2A	2	166170522	G	T	429	E	D	0.379	Likely Benign
SCN2A	2	166170523	G	A	430	E	K	0.861	Likely Pathogenic
SCN2A	2	166170523	G	C	430	E	Q	0.839	Likely Pathogenic
SCN2A	2	166170524	A	C	430	E	A	0.929	Likely Pathogenic
SCN2A	2	166170524	A	G	430	E	G	0.94	Likely Pathogenic
SCN2A	2	166170524	A	T	430	E	V	0.951	Likely Pathogenic
SCN2A	2	166170525	A	C	430	E	D	0.829	Likely Pathogenic
SCN2A	2	166170525	A	T	430	E	D	0.839	Likely Pathogenic
SCN2A	2	166170526	C	A	431	Q	K	0.793	Likely Pathogenic
SCN2A	2	166170526	C	G	431	Q	E	0.523	Likely Benign
SCN2A	2	166170527	A	C	431	Q	P	0.921	Likely Pathogenic
SCN2A	2	166170527	A	G	431	Q	R	0.719	Likely Benign
SCN2A	2	166170527	A	T	431	Q	L	0.622	Likely Benign
SCN2A	2	166170528	G	C	431	Q	H	0.706	Likely Benign
SCN2A	2	166170528	G	T	431	Q	H	0.711	Likely Benign
SCN2A	2	166170529	A	C	432	N	H	0.509	Likely Benign
SCN2A	2	166170529	A	G	432	N	D	0.815	Likely Pathogenic
SCN2A	2	166170529	A	T	432	N	Y	0.909	Likely Pathogenic
SCN2A	2	166170530	A	C	432	N	T	0.888	Likely Pathogenic
SCN2A	2	166170530	A	G	432	N	S	0.556	Likely Benign
SCN2A	2	166170530	A	T	432	N	I	0.933	Likely Pathogenic
SCN2A	2	166170531	T	A	432	N	K	0.54	Likely Benign
SCN2A	2	166170531	T	G	432	N	K	0.542	Likely Benign
SCN2A	2	166170532	C	A	433	Q	K	0.326	Likely Benign
SCN2A	2	166170532	C	G	433	Q	E	0.553	Likely Benign
SCN2A	2	166170533	A	C	433	Q	P	0.852	Likely Pathogenic
SCN2A	2	166170533	A	G	433	Q	R	0.672	Likely Benign
SCN2A	2	166170533	A	T	433	Q	L	0.81	Likely Pathogenic
SCN2A	2	166170534	G	C	433	Q	H	0.765	Likely Benign
SCN2A	2	166170534	G	T	433	Q	H	0.772	Likely Benign
SCN2A	2	166170535	G	A	434	A	T	0.377	Likely Benign
SCN2A	2	166170535	G	C	434	A	P	0.564	Likely Benign
SCN2A	2	166170535	G	T	434	A	S	0.498	Likely Benign
SCN2A	2	166170536	C	A	434	A	D	0.532	Likely Benign
SCN2A	2	166170536	C	G	434	A	G	0.497	Likely Benign
SCN2A	2	166170536	C	T	434	A	V	0.424	Likely Benign
SCN2A	2	166170538	A	C	435	T	P	0.756	Likely Benign
SCN2A	2	166170538	A	G	435	T	A	0.426	Likely Benign
SCN2A	2	166170538	A	T	435	T	S	0.526	Likely Benign
SCN2A	2	166170539	C	A	435	T	K	0.29	Likely Benign
SCN2A	2	166170539	C	G	435	T	R	0.363	Likely Benign
SCN2A	2	166170539	C	T	435	T	I	0.4	Likely Benign
SCN2A	2	166170541	T	A	436	L	M	0.158	Likely Benign
SCN2A	2	166170541	T	G	436	L	V	0.255	Likely Benign
SCN2A	2	166170542	T	C	436	L	S	0.411	Likely Benign
SCN2A	2	166170542	T	G	436	L	W	0.474	Likely Benign
SCN2A	2	166170543	G	A	436	L	F	0.25	Likely Benign
SCN2A	2	166170543	G	T	436	L	F	0.25	Likely Benign
SCN2A	2	166170544	G	A	437	E	K	0.268	Likely Benign
SCN2A	2	166170544	G	C	437	E	Q	0.224	Likely Benign
SCN2A	2	166170545	A	C	437	E	A	0.244	Likely Benign
SCN2A	2	166170545	A	G	437	E	G	0.727	Likely Benign
SCN2A	2	166170545	A	T	437	E	V	0.435	Likely Benign
SCN2A	2	166170546	C	T	437	E	D	0.272	Likely Benign
SCN2A	2	166170546	A	T	437	E	D	0.278	Likely Benign
SCN2A	2	166170547	G	A	438	E	K	0.353	Likely Benign
SCN2A	2	166170547	G	C	438	E	Q	0.565	Likely Benign
SCN2A	2	166170548	A	C	438	E	A	0.86	Likely Pathogenic
SCN2A	2	166170548	A	G	438	E	G	0.883	Likely Pathogenic
SCN2A	2	166170548	A	T	438	E	D	0.932	Likely Pathogenic
SCN2A	2	166170549	G	C	438	E	D	0.849	Likely Pathogenic
SCN2A	2	166170549	G	T	438	E	D	0.864	Likely Pathogenic
SCN2A	2	166170550	A	G	439	Q	E	0.329	Likely Benign
SCN2A	2	166170550	G	C	439	A	P	0.7	Likely Benign
SCN2A	2	166170550	G	T	439	A	S	0.485	Likely Benign
SCN2A	2	166170551	C	A	439	Q	H	0.524	Likely Benign
SCN2A	2	166170551	C	G	439	A	G	0.524	Likely Benign
SCN2A	2	166170551	C	T	439	A	V	0.571	Likely Benign
SCN2A	2	166170553	G	A	440	E	K	0.166	Likely Benign
SCN2A	2	166170553	G	C	440	E	Q	0.185	Likely Benign
SCN2A	2	166170554	A	C	440	E	A	0.365	Likely Benign
SCN2A	2	166170554	A	G	440	E	G	0.617	Likely Benign
SCN2A	2	166170554	A	T	440	E	V	0.484	Likely Benign
SCN2A	2	166170555	A	C	440	E	D	0.502	Likely Benign
SCN2A	2	166170555	A	T	440	E	D	0.505	Likely Benign
SCN2A	2	166170556	C	A	441	Q	K	0.273	Likely Benign
SCN2A	2	166170556	C	G	441	Q	E	0.177	Likely Benign
SCN2A	2	166170557	A	C	441	Q	P	0.645	Likely Benign
SCN2A	2	166170557	A	G	441	Q	R	0.349	Likely Benign
SCN2A	2	166170557	A	T	441	Q	L	0.688	Likely Benign
SCN2A	2	166170558	G	C	441	Q	H	0.762	Likely Benign
SCN2A	2	166170558	G	T	441	Q	H	0.759	Likely Benign
SCN2A	2	166170559	A	C	442	K	Q	0.823	Likely Pathogenic
SCN2A	2	166170559	A	G	442	K	E	0.721	Likely Benign
SCN2A	2	166170560	A	C	442	K	T	0.902	Likely Pathogenic
SCN2A	2	166170560	A	G	442	K	R	0.475	Likely Benign
SCN2A	2	166170560	A	T	442	K	M	0.891	Likely Pathogenic
SCN2A	2	166170561	G	C	442	K	N	0.951	Likely Pathogenic
SCN2A	2	166170561	G	T	442	K	N	0.951	Likely Pathogenic
SCN2A	2	166170562	G	A	443	E	K	0.496	Likely Benign
SCN2A	2	166170562	G	C	443	E	Q	0.686	Likely Benign
SCN2A	2	166170563	A	C	443	E	A	0.906	Likely Pathogenic
SCN2A	2	166170563	A	G	443	E	G	0.894	Likely Pathogenic
SCN2A	2	166170563	A	T	443	E	V	0.95	Likely Pathogenic
SCN2A	2	166170564	A	C	443	E	D	0.64	Likely Benign
SCN2A	2	166170564	A	T	443	E	D	0.644	Likely Benign
SCN2A	2	166170565	G	A	444	A	T	0.331	Likely Benign
SCN2A	2	166170565	G	C	444	A	P	0.276	Likely Benign
SCN2A	2	166170565	G	T	444	A	S	0.338	Likely Benign
SCN2A	2	166170566	C	A	444	A	D	0.33	Likely Benign
SCN2A	2	166170566	C	G	444	A	G	0.333	Likely Benign
SCN2A	2	166170566	C	T	444	A	V	0.288	Likely Benign
SCN2A	2	166170568	G	A	445	E	K	0.479	Likely Benign
SCN2A	2	166170568	G	C	445	E	Q	0.47	Likely Benign
SCN2A	2	166170569	A	C	445	E	A	0.835	Likely Pathogenic
SCN2A	2	166170569	A	G	445	E	G	0.837	Likely Pathogenic
SCN2A	2	166170569	A	T	445	E	V	0.923	Likely Pathogenic
SCN2A	2	166170570	G	A	445	E	D	0.559	Likely Benign
SCN2A	2	166170570	A	T	445	E	D	0.574	Likely Benign
SCN2A	2	166170571	T	A	446	F	I	0.664	Likely Benign
SCN2A	2	166170571	T	C	446	F	L	0.432	Likely Benign
SCN2A	2	166170571	T	G	446	F	V	0.92	Likely Pathogenic
SCN2A	2	166170572	T	A	446	F	Y	0.585	Likely Benign
SCN2A	2	166170572	T	C	446	F	S	0.915	Likely Pathogenic
SCN2A	2	166170572	T	G	446	F	C	0.93	Likely Pathogenic
SCN2A	2	166170573	T	A	446	F	L	0.234	Likely Benign
SCN2A	2	166170573	T	C	446	F	L	0.234	Likely Benign
SCN2A	2	166170574	C	A	447	Q	K	0.25	Likely Benign
SCN2A	2	166170574	C	G	447	Q	E	0.328	Likely Benign
SCN2A	2	166170575	A	C	447	Q	P	0.814	Likely Pathogenic
SCN2A	2	166170575	A	G	447	Q	R	0.307	Likely Benign
SCN2A	2	166170575	A	T	447	Q	L	0.67	Likely Benign
SCN2A	2	166170576	G	C	447	Q	H	0.683	Likely Benign
SCN2A	2	166170576	G	T	447	Q	H	0.69	Likely Benign
SCN2A	2	166170577	C	A	448	Q	K	0.21	Likely Benign
SCN2A	2	166170577	C	G	448	Q	E	0.17	Likely Benign
SCN2A	2	166170578	A	C	448	Q	P	0.472	Likely Benign
SCN2A	2	166170578	A	G	448	Q	R	0.204	Likely Benign
SCN2A	2	166170578	A	T	448	Q	L	0.178	Likely Benign
SCN2A	2	166170579	G	C	448	Q	H	0.366	Likely Benign
SCN2A	2	166170579	G	T	448	Q	H	0.364	Likely Benign
SCN2A	2	166170580	A	C	449	M	L	0.295	Likely Benign
SCN2A	2	166170580	A	G	449	M	V	0.548	Likely Benign
SCN2A	2	166170580	A	T	449	M	L	0.295	Likely Benign
SCN2A	2	166170581	T	A	449	M	K	0.536	Likely Benign
SCN2A	2	166170581	T	C	449	M	T	0.491	Likely Benign
SCN2A	2	166170581	T	G	449	M	R	0.715	Likely Benign
SCN2A	2	166170582	G	A	449	M	I	0.497	Likely Benign
SCN2A	2	166170582	G	C	449	M	I	0.483	Likely Benign
SCN2A	2	166170582	G	T	449	M	I	0.488	Likely Benign
SCN2A	2	166170583	C	A	450	L	I	0.246	Likely Benign
SCN2A	2	166170583	C	G	450	L	V	0.236	Likely Benign
SCN2A	2	166170583	C	T	450	L	F	0.414	Likely Benign
SCN2A	2	166170584	T	A	450	L	H

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166903300	T	C	453	K	E	0.046	Likely Benign
SCN1A	2	166903300	T	G	453	K	Q	0.062	Likely Benign
SCN1A	2	166903299	T	A	453	K	M	0.199	Likely Benign
SCN1A	2	166903299	T	C	453	K	R	0.025	Likely Benign
SCN1A	2	166903299	T	G	453	K	T	0.134	Likely Benign
SCN1A	2	166903298	C	A	453	K	N	0.051	Likely Benign
SCN1A	2	166903298	C	G	453	K	N	0.051	Likely Benign
SCN1A	2	166903297	G	C	454	Q	E	0.002	Likely Benign
SCN1A	2	166903297	G	T	454	Q	K	0.003	Likely Benign
SCN1A	2	166903296	T	A	454	Q	L	0.004	Likely Benign
SCN1A	2	166903296	T	C	454	Q	R	0.003	Likely Benign
SCN1A	2	166903296	T	G	454	Q	P	0.008	Likely Benign
SCN1A	2	166903295	T	A	454	Q	H	0.003	Likely Benign
SCN1A	2	166903295	T	G	454	Q	H	0.003	Likely Benign
SCN1A	2	166903294	G	C	455	Q	E	0.002	Likely Benign
SCN1A	2	166903294	G	T	455	Q	K	0.005	Likely Benign
SCN1A	2	166903293	T	A	455	Q	L	0.006	Likely Benign
SCN1A	2	166903293	T	C	455	Q	R	0.005	Likely Benign
SCN1A	2	166903293	T	G	455	Q	P	0.010	Likely Benign
SCN1A	2	166903292	C	A	455	Q	H	0.004	Likely Benign
SCN1A	2	166903292	C	G	455	Q	H	0.004	Likely Benign
SCN1A	2	166903291	C	G	456	E	Q	0.159	Likely Benign
SCN1A	2	166903291	C	T	456	E	K	0.541	Likely Benign
SCN1A	2	166903290	T	A	456	E	V	0.847	Likely Pathoeenic
SCN1A	2	166903290	T	C	456	E	G	0.803	Likely Pathoeenic
SCN1A	2	166903290	T	G	456	E	A	0.412	Likely Benign
SCN1A	2	166903289	C	A	456	E	D	0.245	Likely Benign
SCN1A	2	166903289	C	G	456	E	D	0.243	Likely Benign
SCN1A	2	166903288	C	A	457	A	S	0.024	Likely Benign
SCN1A	2	166903288	C	G	457	A	P	0.026	Likely Benign
SCN1A	2	166903288	C	T	457	A	T	0.017	Likely Benign
SCN1A	2	166903287	G	A	457	A	V	0.014	Likely Benign
SCN1A	2	166903287	G	C	457	A	G	0.019	Likely Benign
SCN1A	2	166903287	G	T	457	A	E	0.004	Likely Benign
SCN1A	2	166903285	C	A	458	A	S	0.003	Likely Benign
SCN1A	2	166903285	C	G	458	A	P	0.004	Likely Benign
SCN1A	2	166903285	C	T	458	A	T	0.004	Likely Benign
SCN1A	2	166903284	G	A	458	A	V	0.003	Likely Benign
SCN1A	2	166903284	G	C	458	A	G	0.003	Likely Benign
SCN1A	2	166903284	G	T	458	A	D	0.003	Likely Benign
SCN1A	2	166903282	G	C	459	Q	E	0.128	Likely Benign
SCN1A	2	166903282	G	T	459	Q	K	0.146	Likely Benign
SCN1A	2	166903281	T	A	459	Q	L	0.383	Likely Benign
SCN1A	2	166903281	T	C	459	Q	R	0.222	Likely Benign
SCN1A	2	166903281	T	G	459	Q	P	0.486	Likely Benign
SCN1A	2	166903280	C	A	459	Q	H	0.371	Likely Benign
SCN1A	2	166903280	C	G	459	Q	H	0.369	Likely Benign
SCN1A	2	166901836	T	A	460	Q	L	0.002	Likely Benign
SCN1A	2	166901836	T	C	460	Q	R	0.002	Likely Benign
SCN1A	2	166901836	T	G	460	Q	P	0.002	Likely Benign
SCN1A	2	166901835	C	A	460	Q	H	0.002	Likely Benign
SCN1A	2	166901835	C	G	460	Q	H	0.002	Likely Benign
SCN1A	2	166901834	A	C	461	A	S	0.029	Likely Benign
SCN1A	2	166901834	C	G	461	A	P	0.050	Likely Benign
SCN1A	2	166901834	C	T	461	A	T	0.026	Likely Benign
SCN1A	2	166901833	G	A	461	A	V	0.025	Likely Benign
SCN1A	2	166901833	G	C	461	A	G	0.041	Likely Benign
SCN1A	2	166901833	G	T	461	A	E	0.033	Likely Benign
SCN1A	2	166901831	C	A	462	A	S	0.003	Likely Benign
SCN1A	2	166901831	C	G	462	A	P	0.002	Likely Benign
SCN1A	2	166901831	C	T	462	A	T	0.002	Likely Benign
SCN1A	2	166901830	G	A	462	A	V	0.004	Likely Benign
SCN1A	2	166901830	G	C	462	A	G	0.003	Likely Benign
SCN1A	2	166901830	G	T	462	A	E	0.002	Likely Benign
SCN1A	2	166901828	T	A	463	T	S	0.002	Likely Benign
SCN1A	2	166901828	T	C	463	T	A	0.001	Likely Benign
SCN1A	2	166901828	T	G	463	T	P	0.002	Likely Benign
SCN1A	2	166901827	G	A	463	T	M	0.002	Likely Benign
SCN1A	2	166901827	G	C	463	T	R	0.002	Likely Benign
SCN1A	2	166901827	G	T	463	T	K	0.002	Likely Benign
SCN1A	2	166901825	C	A	464	A	S	0.002	Likely Benign
SCN1A	2	166901825	C	G	464	A	P	0.002	Likely Benign
SCN1A	2	166901825	C	T	464	A	T	0.004	Likely Benign
SCN1A	2	166901824	G	A	464	A	V	0.002	Likely Benign
SCN1A	2	166901824	G	C	464	A	G	0.003	Likely Benign
SCN1A	2	166901824	G	T	464	A	E	0.004	Likely Benign
SCN1A	2	166901822	T	A	465	T	S	0.002	Likely Benign
SCN1A	2	166901822	T	C	465	T	A	0.001	Likely Benign
SCN1A	2	166901822	T	G	465	T	P	0.002	Likely Benign
SCN1A	2	166901821	G	A	465	T	I	0.002	Likely Benign
SCN1A	2	166901821	G	C	465	T	S	0.002	Likely Benign
SCN1A	2	166901821	G	T	465	T	N	0.002	Likely Benign
SCN1A	2	166901819	C	A	466	A	S	0.021	Likely Benign
SCN1A	2	166901819	C	G	466	A	P	0.034	Likely Benign
SCN1A	2	166901819	C	T	466	A	T	0.023	Likely Benign
SCN1A	2	166901818	G	A	466	A	V	0.023	Likely Benign
SCN1A	2	166901818	G	C	466	A	G	0.049	Likely Benign
SCN1A	2	166901818	G	T	466	A	D	0.051	Likely Benign
SCN1A	2	166901816	A	C	467	S	A	0.073	Likely Benign
SCN1A	2	166901816	A	G	467	S	P	0.242	Likely Benign
SCN1A	2	166901816	A	T	467	S	T	0.157	Likely Benign
SCN1A	2	166901815	G	A	467	S	L	0.115	Likely Benign
SCN1A	2	166901813	C	G	468	E	Q	0.018	Likely Benign
SCN1A	2	166901813	C	T	468	E	K	0.019	Likely Benign
SCN1A	2	166901812	T	A	468	E	V	0.020	Likely Benign
SCN1A	2	166901812	T	C	468	E	G	0.016	Likely Benign
SCN1A	2	166901812	T	G	468	E	A	0.010	Likely Benign
SCN1A	2	166901811	A	G	468	E	D	0.009	Likely Benign
SCN1A	2	166901811	T	G	468	E	D	0.009	Likely Benign
SCN1A	2	166901810	G	A	469	H	Y	0.093	Likely Benign
SCN1A	2	166901810	G	C	469	H	D	0.035	Likely Benign
SCN1A	2	166901810	G	T	469	H	N	0.084	Likely Benign
SCN1A	2	166901809	T	A	469	H	L	0.090	Likely Benign
SCN1A	2	166901809	T	C	469	H	R	0.079	Likely Benign
SCN1A	2	166901809	T	G	469	H	P	0.097	Likely Benign
SCN1A	2	166901808	A	C	469	H	Q	0.042	Likely Benign
SCN1A	2	166901808	A	T	469	H	Q	0.042	Likely Benign
SCN1A	2	166901807	A	C	470	S	A	0.023	Likely Benign
SCN1A	2	166901807	A	G	470	S	P	0.055	Likely Benign
SCN1A	2	166901807	A	T	470	S	T	0.051	Likely Benign
SCN1A	2	166901806	G	A	470	S	F	0.067	Likely Benign
SCN1A	2	166901806	G	C	470	S	C	0.032	Likely Benign
SCN1A	2	166901806	G	T	470	S	Y	0.033	Likely Benign
SCN1A	2	166901804	C	T	471	R	G	0.025	Likely Benign
SCN1A	2	166901803	C	A	471	R	I	0.027	Likely Benign
SCN1A	2	166901803	C	G	471	R	T	0.022	Likely Benign
SCN1A	2	166901803	C	T	471	R	K	0.042	Likely Benign
SCN1A	2	166901802	T	A	471	R	S	0.039	Likely Benign
SCN1A	2	166901802	T	G	471	R	S	0.039	Likely Benign
SCN1A	2	166901801	G	A	472	E	Q	0.030	Likely Benign
SCN1A	2	166901801	C	T	472	E	K	0.047	Likely Benign
SCN1A	2	166901800	T	A	472	E	V	0.036	Likely Benign
SCN1A	2	166901800	C	T	472	E	G	0.027	Likely Benign
SCN1A	2	166901800	T	G	472	E	A	0.032	Likely Benign
SCN1A	2	166901799	C	A	472	E	D	0.019	Likely Benign
SCN1A	2	166901799	C	G	472	E	D	0.019	Likely Benign
SCN1A	2	166901798	G	A	473	P	S	0.002	Likely Benign
SCN1A	2	166901798	G	C	473	P	A	0.002	Likely Benign
SCN1A	2	166901798	G	T	473	P	T	0.002	Likely Benign
SCN1A	2	166901797	G	A	473	P	L	0.002	Likely Benign
SCN1A	2	166901797	G	C	473	P	R	0.002	Likely Benign
SCN1A	2	166901797	G	T	473	P	H	0.002	Likely Benign
SCN1A	2	166901795	T	A	474	S	C	0.049	Likely Benign
SCN1A	2	166901795	T	C	474	S	G	0.025	Likely Benign
SCN1A	2	166901795	T	G	474	S	R	0.029	Likely Benign
SCN1A	2	166901794	C	A	474	S	I	0.073	Likely Benign
SCN1A	2	166901794	C	G	474	S	T	0.039	Likely Benign
SCN1A	2	166901794	C	T	474	S	N	0.058	Likely Benign
SCN1A	2	166901793	A	C	474	S	R	0.028	Likely Benign
SCN1A	2	166901793	A	T	474	S	R	0.029	Likely Benign
SCN1A	2	166901792	C	A	475	A	S	0.002	Likely Benign
SCN1A	2	166901792	C	G	475	A	P	0.002	Likely Benign
SCN1A	2	166901792	C	T	475	A	T	0.002	Likely Benign
SCN1A	2	166901791	G	A	475	A	V	0.002	Likely Benign
SCN1A	2	166901791	G	C	475	A	G	0.001	Likely Benign
SCN1A	2	166901791	G	T	475	A	E	0.002	Likely Benign
SCN1A	2	166901789	C	A	476	A	S	0.007	Likely Benign
SCN1A	2	166901789	C	G	476	A	P	0.011	Likely Benign
SCN1A	2	166901789	C	T	476	A	T	0.017	Likely Benign
SCN1A	2	166901788	G	A	476	A	V	0.005	Likely Benign
SCN1A	2	166901788	G	C	476	A	G	0.006	Likely Benign
SCN1A	2	166901788	G	T	476	A	E	0.008	Likely Benign
SCN1A	2	166901786	C	A	477	G	C	0.053	Likely Benign
SCN1A	2	166901786	C	G	477	G	R	0.027	Likely Benign
SCN1A	2	166901786	C	T	477	G	S	0.022	Likely Benign
SCN1A	2	166901785	C	A	477	G	V	0.044	Likely Benign
SCN1A	2	166901785	C	G	477	G	A	0.022	Likely Benign
SCN1A	2	166901785	C	T	477	G	D	0.022	Likely Benign
SCN1A	2	166901783	T	A	478	R	W	0.002	Likely Benign
SCN1A	2	166901783	T	C	478	R	G	0.001	Likely Benign
SCN1A	2	166901782	C	A	478	R	M	0.002	Likely Benign
SCN1A	2	166901782	C	G	478	R	T	0.002	Likely Benign
SCN1A	2	166901782	C	T	478	R	K	0.002	Likely Benign
SCN1A	2	166901781	C	A	478	R	S	0.001	Likely Benign
SCN1A	2	166901781	C	G	478	R	S	0.001	Likely Benign
SCN1A	2	166901780	G	A	479	L	F	0.002	Likely Benign
SCN1A	2	166901780	G	C	479	L	V	0.002	Likely Benign
SCN1A	2	166901780	G	T	479	L	I	0.002	Likely Benign
SCN1A	2	166901779	A	C	479	L	R	0.003	Likely Benign
SCN1A	2	166901779	A	G	479	L	P	0.003	Likely Benign
SCN1A	2	166901779	A	T	479	L	H	0.003	Likely Benign
SCN1A	2	166901777	A	C	480	S	A	0.004	Likely Benign
SCN1A	2	166901777	A	G	480	S	P	0.003	Likely Benign
SCN1A	2	166901777	A	T	480	S	T	0.004	Likely Benign
SCN1A	2	166901776	G	A	480	S	L	0.002	Likely Benign
SCN1A	2	166901774	C	A	481	D	Y	0.002	Likely Benign
SCN1A	2	166901774	C	G	481	D	H	0.002	Likely Benign
SCN1A	2	166901774	C	T	481	D	N	0.002	Likely Benign
SCN1A	2	166901773	T	A	481	D	V	0.002	Likely Benign
SCN1A	2	166901773	T	C	481	D	G	0.002	Likely Benign
SCN1A	2	166901773	T	G	481	D	A	0.002	Likely Benign
SCN1A	2	166901772	G	C	481	D	E	0.001	Likely Benign
SCN1A	2	166901772	G	T	481	D	E	0.001	Likely Benign
SCN1A	2	166901771	T	A	482	S	C	0.133	Likely Benign
SCN1A	2	166901771	T	C	482	S	G	0.091	Likely Benign
SCN1A	2	166901771	T	G	482	S	R	0.118	Likely Benign
SCN1A	2	166901770	C	A	482	S	I	0.131	Likely Benign

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166170591	G	T	452	Q	H	0.244	Likely Benign
SCN2A	2	166170592	T	A	453	L	M	0.686	Likely Benign
SCN2A	2	166170592	T	G	453	L	V	0.608	Likely Benign
SCN2A	2	166170593	T	C	453	L	S	0.77	Likely Benign
SCN2A	2	166170593	T	G	453	L	W	0.824	Likely Pathogenic
SCN2A	2	166170594	G	C	453	L	F	0.839	Likely Pathogenic
SCN2A	2	166170594	G	T	453	L	F	0.838	Likely Pathogenic
SCN2A	2	166170595	A	C	454	K	Q	0.335	Likely Benign
SCN2A	2	166170595	A	G	454	K	E	0.401	Likely Benign
SCN2A	2	166170596	A	C	454	K	T	0.7	Likely Benign
SCN2A	2	166170596	A	G	454	K	R	0.266	Likely Benign
SCN2A	2	166170596	A	T	454	K	I	0.826	Likely Pathogenic
SCN2A	2	166170597	A	C	454	K	N	0.857	Likely Pathogenic
SCN2A	2	166170597	A	T	454	K	N	0.856	Likely Pathogenic
SCN2A	2	166170598	A	C	455	K	Q	0.532	Likely Benign
SCN2A	2	166170598	A	G	455	K	E	0.352	Likely Benign
SCN2A	2	166170599	A	C	455	K	T	0.644	Likely Benign
SCN2A	2	166170599	A	G	455	K	R	0.245	Likely Benign
SCN2A	2	166170599	A	T	455	K	M	0.779	Likely Benign
SCN2A	2	166170600	G	C	455	K	N	0.407	Likely Benign
SCN2A	2	166170600	G	T	455	K	N	0.409	Likely Benign
SCN2A	2	166170601	C	A	456	Q	K	0.325	Likely Benign
SCN2A	2	166170601	C	G	456	Q	E	0.124	Likely Benign
SCN2A	2	166170601	C	T	456	Q	P	0.802	Likely Pathogenic
SCN2A	2	166170602	A	G	456	Q	R	0.294	Likely Benign
SCN2A	2	166170602	A	T	456	Q	L	0.72	Likely Benign
SCN2A	2	166170603	A	C	456	Q	H	0.201	Likely Benign
SCN2A	2	166170603	A	T	456	Q	H	0.203	Likely Benign
SCN2A	2	166170604	C	A	457	Q	K	0.393	Likely Benign
SCN2A	2	166170604	C	G	457	Q	E	0.26	Likely Benign
SCN2A	2	166170605	A	C	457	Q	P	0.874	Likely Pathogenic
SCN2A	2	166170605	A	G	457	Q	R	0.649	Likely Benign
SCN2A	2	166170605	A	T	457	Q	L	0.791	Likely Pathogenic
SCN2A	2	166170606	A	C	457	Q	H	0.338	Likely Benign
SCN2A	2	166170606	A	T	457	Q	H	0.346	Likely Benign
SCN2A	2	166170607	G	A	458	E	K	0.848	Likely Pathogenic
SCN2A	2	166170607	G	C	458	E	Q	0.482	Likely Benign
SCN2A	2	166170608	A	C	458	E	A	0.551	Likely Benign
SCN2A	2	166170608	A	G	458	E	G	0.91	Likely Pathogenic
SCN2A	2	166170608	A	T	458	E	V	0.872	Likely Pathogenic
SCN2A	2	166170609	A	C	458	E	D	0.381	Likely Benign
SCN2A	2	166170609	A	T	458	E	D	0.385	Likely Benign
SCN2A	2	166170610	G	A	459	E	K	0.254	Likely Benign
SCN2A	2	166170610	G	C	459	E	Q	0.302	Likely Benign
SCN2A	2	166170611	A	C	459	E	A	0.217	Likely Benign
SCN2A	2	166170611	A	G	459	E	G	0.453	Likely Benign
SCN2A	2	166170611	A	T	459	E	V	0.383	Likely Benign
SCN2A	2	166170612	A	C	459	E	D	0.23	Likely Benign
SCN2A	2	166170612	A	T	459	E	D	0.229	Likely Benign
SCN2A	2	166170613	G	A	460	A	T	0.538	Likely Benign
SCN2A	2	166170613	G	C	460	A	P	0.496	Likely Benign
SCN2A	2	166170613	G	T	460	A	S	0.352	Likely Benign
SCN2A	2	166170614	G	A	460	A	D	0.39	Likely Benign
SCN2A	2	166170614	C	G	460	A	G	0.315	Likely Benign
SCN2A	2	166170614	C	T	460	A	V	0.229	Likely Benign
SCN2A	2	166170616	A	C	461	Q	K	0.236	Likely Benign
SCN2A	2	166170616	C	G	461	Q	E	0.14	Likely Benign
SCN2A	2	166170617	A	C	461	Q	P	0.436	Likely Benign
SCN2A	2	166170617	A	G	461	Q	R	0.362	Likely Benign
SCN2A	2	166170617	A	T	461	Q	L	0.413	Likely Benign
SCN2A	2	166171981	G	A	462	A	T	0.565	Likely Benign
SCN2A	2	166171981	G	C	462	A	P	0.688	Likely Benign
SCN2A	2	166171981	G	T	462	A	S	0.398	Likely Benign
SCN2A	2	166171982	C	A	462	A	E	0.233	Likely Benign
SCN2A	2	166171982	C	G	462	A	G	0.274	Likely Benign
SCN2A	2	166171982	C	T	462	A	V	0.275	Likely Benign
SCN2A	2	166171984	G	A	463	A	T	0.223	Likely Benign
SCN2A	2	166171984	G	C	463	A	P	0.238	Likely Benign
SCN2A	2	166171984	G	T	463	A	S	0.18	Likely Benign
SCN2A	2	166171985	C	A	463	A	E	0.204	Likely Benign
SCN2A	2	166171985	C	G	463	A	G	0.187	Likely Benign
SCN2A	2	166171985	C	T	463	A	V	0.144	Likely Benign
SCN2A	2	166171987	G	A	464	A	T	0.25	Likely Benign
SCN2A	2	166171987	G	C	464	A	P	0.338	Likely Benign
SCN2A	2	166171987	G	T	464	A	S	0.283	Likely Benign
SCN2A	2	166171988	C	A	464	A	D	0.218	Likely Benign
SCN2A	2	166171988	C	G	464	A	G	0.227	Likely Benign
SCN2A	2	166171988	C	T	464	A	V	0.24	Likely Benign
SCN2A	2	166171990	A	C	465	A	T	0.254	Likely Benign
SCN2A	2	166171990	G	C	465	A	P	0.458	Likely Benign
SCN2A	2	166171990	G	T	465	A	S	0.23	Likely Benign
SCN2A	2	166171991	A	C	465	A	E	0.289	Likely Benign
SCN2A	2	166171991	C	G	465	A	G	0.255	Likely Benign
SCN2A	2	166171991	C	T	465	A	V	0.223	Likely Benign
SCN2A	2	166171993	A	C	466	A	T	0.229	Likely Benign
SCN2A	2	166171993	G	C	466	A	P	0.622	Likely Benign
SCN2A	2	166171993	G	T	466	A	S	0.301	Likely Benign
SCN2A	2	166171994	A	C	466	A	D	0.34	Likely Benign
SCN2A	2	166171994	C	G	466	A	G	0.459	Likely Benign
SCN2A	2	166171994	C	T	466	A	V	0.272	Likely Benign
SCN2A	2	166171996	A	C	467	A	T	0.191	Likely Benign
SCN2A	2	166171996	G	C	467	A	P	0.315	Likely Benign
SCN2A	2	166171996	G	T	467	A	S	0.171	Likely Benign
SCN2A	2	166171997	A	C	467	A	E	0.178	Likely Benign
SCN2A	2	166171997	C	G	467	A	G	0.202	Likely Benign
SCN2A	2	166171997	C	T	467	A	V	0.18	Likely Benign
SCN2A	2	166171999	T	A	468	S	T	0.187	Likely Benign
SCN2A	2	166171999	T	C	468	S	P	0.183	Likely Benign
SCN2A	2	166171999	T	G	468	S	A	0.072	Likely Benign
SCN2A	2	166172000	C	A	468	S	Y	0.213	Likely Benign
SCN2A	2	166172000	C	G	468	S	C	0.219	Likely Benign
SCN2A	2	166172000	C	T	468	S	F	0.185	Likely Benign
SCN2A	2	166172002	G	A	469	A	T	0.15	Likely Benign
SCN2A	2	166172002	G	C	469	A	P	0.211	Likely Benign
SCN2A	2	166172002	G	T	469	A	S	0.131	Likely Benign
SCN2A	2	166172003	C	A	469	A	D	0.126	Likely Benign
SCN2A	2	166172003	C	G	469	A	G	0.165	Likely Benign
SCN2A	2	166172003	C	T	469	A	V	0.16	Likely Benign
SCN2A	2	166172005	G	A	470	E	K	0.178	Likely Benign
SCN2A	2	166172005	C	G	470	E	Q	0.173	Likely Benign
SCN2A	2	166172006	A	C	470	E	A	0.118	Likely Benign
SCN2A	2	166172006	A	G	470	E	G	0.193	Likely Benign
SCN2A	2	166172006	A	T	470	E	V	0.21	Likely Benign
SCN2A	2	166172007	A	C	470	E	D	0.161	Likely Benign
SCN2A	2	166172007	A	T	470	E	D	0.166	Likely Benign
SCN2A	2	166172008	T	A	471	S	T	0.294	Likely Benign
SCN2A	2	166172008	T	C	471	S	P	0.285	Likely Benign
SCN2A	2	166172008	T	G	471	S	A	0.219	Likely Benign
SCN2A	2	166172009	C	T	471	S	L	0.346	Likely Benign
SCN2A	2	166172011	G	A	472	R	G	0.24	Likely Benign
SCN2A	2	166172012	G	A	472	R	K	0.179	Likely Benign
SCN2A	2	166172012	G	C	472	R	T	0.182	Likely Benign
SCN2A	2	166172012	G	T	472	R	I	0.209	Likely Benign
SCN2A	2	166172013	A	C	472	R	S	0.229	Likely Benign
SCN2A	2	166172013	A	T	472	R	S	0.229	Likely Benign
SCN2A	2	166172014	G	A	473	D	N	0.16	Likely Benign
SCN2A	2	166172014	G	C	473	D	H	0.164	Likely Benign
SCN2A	2	166172014	G	T	473	D	Y	0.19	Likely Benign
SCN2A	2	166172015	A	C	473	D	A	0.133	Likely Benign
SCN2A	2	166172015	A	G	473	D	G	0.138	Likely Benign
SCN2A	2	166172015	A	T	473	D	V	0.168	Likely Benign
SCN2A	2	166172016	C	A	473	D	E	0.057	Likely Benign
SCN2A	2	166172016	C	G	473	D	E	0.057	Likely Benign
SCN2A	2	166172017	T	A	474	F	I	0.185	Likely Benign
SCN2A	2	166172017	T	C	474	F	L	0.161	Likely Benign
SCN2A	2	166172017	T	G	474	F	V	0.165	Likely Benign
SCN2A	2	166172018	T	A	474	F	Y	0.207	Likely Benign
SCN2A	2	166172018	T	C	474	F	S	0.161	Likely Benign
SCN2A	2	166172018	T	G	474	F	C	0.287	Likely Benign
SCN2A	2	166172019	C	A	474	F	L	0.159	Likely Benign
SCN2A	2	166172019	C	G	474	F	L	0.157	Likely Benign
SCN2A	2	166172020	A	C	475	S	R	0.203	Likely Benign
SCN2A	2	166172020	A	G	475	S	G	0.187	Likely Benign
SCN2A	2	166172020	A	T	475	S	C	0.319	Likely Benign
SCN2A	2	166172021	G	A	475	S	N	0.242	Likely Benign
SCN2A	2	166172021	G	C	475	S	T	0.216	Likely Benign
SCN2A	2	166172021	G	T	475	S	I	0.36	Likely Benign
SCN2A	2	166172022	T	A	475	S	R	0.242	Likely Benign
SCN2A	2	166172022	T	G	475	S	R	0.242	Likely Benign
SCN2A	2	166172023	G	A	476	G	S	0.234	Likely Benign
SCN2A	2	166172023	G	C	476	G	R	0.303	Likely Benign
SCN2A	2	166172023	G	T	476	G	C	0.552	Likely Benign
SCN2A	2	166172024	G	A	476	G	D	0.21	Likely Benign
SCN2A	2	166172024	G	C	476	G	A	0.167	Likely Benign
SCN2A	2	166172024	G	T	476	G	V	0.228	Likely Benign
SCN2A	2	166172026	G	A	477	A	T	0.15	Likely Benign
SCN2A	2	166172026	G	C	477	A	P	0.129	Likely Benign
SCN2A	2	166172026	G	T	477	A	S	0.105	Likely Benign
SCN2A	2	166172027	C	A	477	A	D	0.157	Likely Benign
SCN2A	2	166172027	C	G	477	A	G	0.121	Likely Benign
SCN2A	2	166172027	C	T	477	A	V	0.111	Likely Benign
SCN2A	2	166172029	G	A	478	G	S	0.116	Likely Benign
SCN2A	2	166172029	G	C	478	G	R	0.262	Likely Benign
SCN2A	2	166172029	G	T	478	G	C	0.312	Likely Benign
SCN2A	2	166172030	G	A	478	G	D	0.127	Likely Benign
SCN2A	2	166172030	G	C	478	G	A	0.162	Likely Benign
SCN2A	2	166172030	G	T	478	G	V	0.191	Likely Benign
SCN2A	2	166172032	A	G	479	G	R	0.247	Likely Benign
SCN2A	2	166172032	G	C	479	G	R	0.246	Likely Benign
SCN2A	2	166172032	G	T	479	G	W	0.57	Likely Benign
SCN2A	2	166172033	A	G	479	G	E	0.238	Likely Benign
SCN2A	2	166172033	G	C	479	G	A	0.188	Likely Benign
SCN2A	2	166172033	G	T	479	G	V	0.27	Likely Benign
SCN2A	2	166172035	A	C	480	I	L	0.087	Likely Benign
SCN2A	2	166172035	A	G	480	I	V	0.135	Likely Benign
SCN2A	2	166172035	A	T	480	I	L	0.087	Likely Benign
SCN2A	2	166172036	T	A	480	I	K	0.175	Likely Benign
SCN2A	2	166172036	T	C	480	I	T	0.122	Likely Benign
SC

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166901770	C	G	482	S	T	0.095	Likely Benien
SCN1A	2	166901770	C	T	482	S	N	0.069	Likely Benien
SCN1A	2	166901769	G	C	482	S	R	0.128	Likely Benien
SCN1A	2	166901769	G	T	482	S	R	0.128	Likely Benien
SCN1A	2	166901768	A	C	483	S	A	0.644	Likely Benien
SCN1A	2	166901768	A	G	483	S	P	0.855	Likely Pathoenic
SCN1A	2	166901768	A	T	483	S	T	0.636	Likely Benien
SCN1A	2	166901767	G	A	483	S	L	0.904	Likely Pathoenic
SCN1A	2	166901765	A	C	484	S	A	0.005	Likely Benien
SCN1A	2	166901765	A	G	484	S	P	0.006	Likely Benien
SCN1A	2	166901765	A	T	484	S	T	0.008	Likely Benien
SCN1A	2	166901764	G	A	484	S	F	0.005	Likely Benien
SCN1A	2	166901764	G	C	484	S	C	0.005	Likely Benien
SCN1A	2	166901764	G	T	484	S	Y	0.006	Likely Benien
SCN1A	2	166901762	C	G	485	E	Q	0.315	Likely Benien
SCN1A	2	166901762	C	T	485	E	K	0.366	Likely Benien
SCN1A	2	166901761	T	A	485	E	V	0.488	Likely Benien
SCN1A	2	166901761	T	C	485	E	G	0.122	Likely Benien
SCN1A	2	166901761	T	G	485	E	A	0.167	Likely Benien
SCN1A	2	166901760	T	A	485	E	D	0.119	Likely Benien
SCN1A	2	166901760	T	G	485	E	D	0.119	Likely Benien
SCN1A	2	166901759	C	A	486	A	S	0.093	Likely Benien
SCN1A	2	166901759	C	G	486	A	P	0.193	Likely Benien
SCN1A	2	166901759	C	T	486	A	T	0.092	Likely Benien
SCN1A	2	166901758	G	A	486	A	V	0.099	Likely Benien
SCN1A	2	166901758	G	C	486	A	G	0.118	Likely Benien
SCN1A	2	166901758	G	T	486	A	D	0.209	Likely Benien
SCN1A	2	166901756	A	C	487	S	A	0.773	Likely Benien
SCN1A	2	166901756	A	G	487	S	P	0.911	Likely Pathoenic
SCN1A	2	166901756	A	T	487	S	T	0.891	Likely Pathoenic
SCN1A	2	166901755	G	A	487	S	F	0.948	Likely Pathoenic
SCN1A	2	166901755	G	C	487	S	C	0.949	Likely Pathoenic
SCN1A	2	166901755	G	T	487	S	Y	0.914	Likely Pathoenic
SCN1A	2	166901753	T	C	488	K	E	0.226	Likely Benien
SCN1A	2	166901753	T	G	488	K	Q	0.237	Likely Benien
SCN1A	2	166901752	T	A	488	K	M	0.225	Likely Benien
SCN1A	2	166901752	T	C	488	K	R	0.098	Likely Benien
SCN1A	2	166901752	T	G	488	K	T	0.287	Likely Benien
SCN1A	2	166901751	C	A	488	K	N	0.180	Likely Benien
SCN1A	2	166901751	C	G	488	K	N	0.175	Likely Benien
SCN1A	2	166901750	A	C	489	L	V	0.003	Likely Benien
SCN1A	2	166901750	A	T	489	L	M	0.008	Likely Benien
SCN1A	2	166901749	A	C	489	L	W	0.010	Likely Benien
SCN1A	2	166901749	A	G	489	L	S	0.004	Likely Benien
SCN1A	2	166901748	C	A	489	L	F	0.003	Likely Benien
SCN1A	2	166901748	C	G	489	L	F	0.003	Likely Benien
SCN1A	2	166901747	A	C	490	S	C	0.865	Likely Pathoenic
SCN1A	2	166901747	T	C	490	S	G	0.654	Likely Benien
SCN1A	2	166901747	T	G	490	S	R	0.839	Likely Pathoenic
SCN1A	2	166901746	A	C	490	S	I	0.881	Likely Pathoenic
SCN1A	2	166901746	C	G	490	S	T	0.201	Likely Benien
SCN1A	2	166901746	C	T	490	S	N	0.655	Likely Benien
SCN1A	2	166901745	A	C	490	S	R	0.743	Likely Benien
SCN1A	2	166901745	A	T	490	S	R	0.743	Likely Benien
SCN1A	2	166901744	A	C	491	S	A	0.563	Likely Benien
SCN1A	2	166901744	A	G	491	S	P	0.545	Likely Benien
SCN1A	2	166901744	A	T	491	S	T	0.656	Likely Benien
SCN1A	2	166901743	G	A	491	S	F	0.936	Likely Pathoenic
SCN1A	2	166901743	G	C	491	S	C	0.923	Likely Pathoenic
SCN1A	2	166901743	G	T	491	S	Y	0.895	Likely Pathoenic
SCN1A	2	166901741	T	C	492	K	E	0.676	Likely Benien
SCN1A	2	166901741	T	G	492	K	Q	0.523	Likely Benien
SCN1A	2	166901740	A	C	492	K	M	0.920	Likely Pathoenic
SCN1A	2	166901740	T	C	492	K	R	0.445	Likely Benien
SCN1A	2	166901740	T	G	492	K	T	0.787	Likely Pathoenic
SCN1A	2	166901739	C	A	492	K	N	0.843	Likely Pathoenic
SCN1A	2	166901739	C	G	492	K	N	0.862	Likely Pathoenic
SCN1A	2	166901738	T	A	493	S	C	0.918	Likely Pathoenic
SCN1A	2	166901738	T	C	493	S	G	0.665	Likely Benien
SCN1A	2	166901738	T	G	493	S	R	0.863	Likely Pathoenic
SCN1A	2	166901737	C	A	493	S	I	0.915	Likely Pathoenic
SCN1A	2	166901737	C	G	493	S	T	0.399	Likely Benien
SCN1A	2	166901737	C	T	493	S	N	0.463	Likely Benien
SCN1A	2	166901736	A	C	493	S	R	0.641	Likely Benien
SCN1A	2	166901736	A	T	493	S	R	0.659	Likely Benien
SCN1A	2	166901735	C	A	494	A	S	0.310	Likely Benien
SCN1A	2	166901735	C	G	494	A	P	0.911	Likely Pathoenic
SCN1A	2	166901735	C	T	494	A	T	0.769	Likely Benien
SCN1A	2	166901734	A	C	494	A	V	0.839	Likely Pathoenic
SCN1A	2	166901734	G	C	494	A	G	0.863	Likely Pathoenic
SCN1A	2	166901734	G	T	494	A	D	0.838	Likely Pathoenic
SCN1A	2	166901732	C	A	495	K	E	0.508	Likely Benien
SCN1A	2	166901732	T	G	495	K	Q	0.697	Likely Benien
SCN1A	2	166901731	T	A	495	K	M	0.919	Likely Pathoenic
SCN1A	2	166901731	T	C	495	K	R	0.334	Likely Benien
SCN1A	2	166901731	T	G	495	K	T	0.758	Likely Benien
SCN1A	2	166901730	C	A	495	K	N	0.243	Likely Benien
SCN1A	2	166901730	C	G	495	K	N	0.236	Likely Benien
SCN1A	2	166901729	C	G	496	E	Q	0.923	Likely Pathoenic
SCN1A	2	166901729	C	T	496	E	K	0.693	Likely Benien
SCN1A	2	166901728	A	C	496	E	V	0.934	Likely Pathoenic
SCN1A	2	166901728	T	C	496	E	G	0.717	Likely Benien
SCN1A	2	166901728	T	G	496	E	A	0.844	Likely Pathoenic
SCN1A	2	166901727	A	C	496	E	D	0.144	Likely Benien
SCN1A	2	166901727	T	G	496	E	D	0.144	Likely Benien
SCN1A	2	166901726	T	C	497	R	G	0.583	Likely Benien
SCN1A	2	166901725	C	A	497	R	I	0.916	Likely Pathoenic
SCN1A	2	166901725	C	G	497	R	T	0.771	Likely Benien
SCN1A	2	166901725	C	T	497	R	K	0.679	Likely Benien
SCN1A	2	166901724	T	A	497	R	S	0.379	Likely Benien
SCN1A	2	166901724	T	G	497	R	S	0.379	Likely Benien
SCN1A	2	166901723	T	C	498	R	G	0.625	Likely Benien
SCN1A	2	166901722	C	A	498	R	I	0.865	Likely Pathoenic
SCN1A	2	166901722	C	G	498	R	T	0.652	Likely Benien
SCN1A	2	166901722	C	T	498	R	K	0.169	Likely Benien
SCN1A	2	166901721	T	A	498	R	S	0.427	Likely Benien
SCN1A	2	166901721	T	G	498	R	S	0.423	Likely Benien
SCN1A	2	166901720	T	A	499	N	Y	0.869	Likely Pathoenic
SCN1A	2	166901720	T	C	499	N	D	0.619	Likely Benien
SCN1A	2	166901720	T	G	499	N	H	0.523	Likely Benien
SCN1A	2	166901719	T	A	499	N	I	0.930	Likely Pathoenic
SCN1A	2	166901719	T	C	499	N	S	0.215	Likely Benien
SCN1A	2	166901719	T	G	499	N	T	0.623	Likely Benien
SCN1A	2	166901718	A	C	499	N	K	0.449	Likely Benien
SCN1A	2	166901718	A	T	499	N	K	0.453	Likely Benien
SCN1A	2	166901717	G	A	500	R	W	0.663	Likely Benien
SCN1A	2	166901717	G	C	500	R	G	0.616	Likely Benien
SCN1A	2	166901716	C	A	500	R	L	0.656	Likely Benien
SCN1A	2	166901716	C	G	500	R	P	0.668	Likely Benien
SCN1A	2	166901716	C	T	500	R	Q	0.401	Likely Benien
SCN1A	2	166901714	T	A	501	R	W	0.773	Likely Benien
SCN1A	2	166901714	T	C	501	R	G	0.478	Likely Benien
SCN1A	2	166901713	A	C	501	R	M	0.317	Likely Benien
SCN1A	2	166901713	C	G	501	R	T	0.224	Likely Benien
SCN1A	2	166901713	C	T	501	R	K	0.091	Likely Benien
SCN1A	2	166901712	C	A	501	R	S	0.310	Likely Benien
SCN1A	2	166901712	C	G	501	R	S	0.313	Likely Benien
SCN1A	2	166901711	T	C	502	K	E	0.347	Likely Benien
SCN1A	2	166901711	T	G	502	K	Q	0.358	Likely Benien
SCN1A	2	166901710	T	A	502	K	M	0.531	Likely Benien
SCN1A	2	166901710	T	C	502	K	R	0.086	Likely Benien
SCN1A	2	166901710	T	G	502	K	T	0.504	Likely Benien
SCN1A	2	166901709	C	A	502	K	N	0.567	Likely Benien
SCN1A	2	166901709	C	G	502	K	N	0.567	Likely Benien
SCN1A	2	166901708	T	C	503	K	E	0.473	Likely Benien
SCN1A	2	166901708	T	G	503	K	Q	0.358	Likely Benien
SCN1A	2	166901707	T	A	503	K	I	0.922	Likely Pathoenic
SCN1A	2	166901707	T	C	503	K	R	0.206	Likely Benien
SCN1A	2	166901707	T	G	503	K	T	0.842	Likely Pathoenic
SCN1A	2	166901706	T	A	503	K	N	0.370	Likely Benien
SCN1A	2	166901706	T	G	503	K	N	0.356	Likely Benien
SCN1A	2	166901705	C	A	504	R	G	0.300	Likely Benien
SCN1A	2	166901704	C	A	504	R	I	0.696	Likely Benien
SCN1A	2	166901704	C	G	504	R	T	0.283	Likely Benien
SCN1A	2	166901704	C	T	504	R	K	0.100	Likely Benien
SCN1A	2	166901703	T	A	504	R	S	0.299	Likely Benien
SCN1A	2	166901703	T	G	504	R	S	0.297	Likely Benien
SCN1A	2	166901702	T	C	505	K	E	0.210	Likely Benien
SCN1A	2	166901702	T	G	505	K	Q	0.127	Likely Benien
SCN1A	2	166901701	T	A	505	K	I	0.440	Likely Benien
SCN1A	2	166901701	T	C	505	K	R	0.084	Likely Benien
SCN1A	2	166901701	T	G	505	K	T	0.262	Likely Benien
SCN1A	2	166901700	T	A	505	K	N	0.092	Likely Benien
SCN1A	2	166901700	T	G	505	K	N	0.091	Likely Benien
SCN1A	2	166901699	C	A	506	Q	E	0.213	Likely Benien
SCN1A	2	166901699	G	T	506	Q	K	0.183	Likely Benien
SCN1A	2	166901698	T	A	506	Q	L	0.311	Likely Benien
SCN1A	2	166901698	T	C	506	Q	R	0.276	Likely Benien
SCN1A	2	166901698	T	G	506	Q	P	0.492	Likely Benien
SCN1A	2	166901697	C	A	506	Q	H	0.259	Likely Benien
SCN1A	2	166901697	C	G	506	Q	H	0.254	Likely Benien
SCN1A	2	166901696	T	C	507	K	E	0.081	Likely Benien
SCN1A	2	166901696	T	G	507	K	Q	0.174	Likely Benien
SCN1A	2	166901695	T	A	507	K	I	0.488	Likely Benien
SCN1A	2	166901695	T	C	507	K	R	0.088	Likely Benien
SCN1A	2	166901695	T	G	507	K	T	0.357	Likely Benien
SCN1A	2	166901694	T	A	507	K	N	0.302	Likely Benien
SCN1A	2	166901694	T	G	507	K	N	0.304	Likely Benien
SCN1A	2	166901693	C	G	508	E	Q	0.257	Likely Benien
SCN1A	2	166901693	C	T	508	E	K	0.082	Likely Benien
SCN1A	2	166901692	A	T	508	E	V	0.421	Likely Benien
SCN1A	2	166901692	T	C	508	E	G	0.177	Likely Benien
SCN1A	2	166901692	T	G	508	E	A	0.153	Likely Benien
SCN1A	2	166901691	C	A	508	E	D	0.291	Likely Benien
SCN1A	2	166901691	C	G	508	E	D	0.288	Likely Benien
SCN1A	2	166901690	G	C	509	Q	E	0.114	Likely Benien
SCN1A	2	166901690	G	T	509	Q	K	0.103	Likely Benien
SCN1A	2	166901689	T	A	509	Q	L	0.051	Likely Benien
SCN1A	2	166901689	T	C	509	Q	R	0.088	Likely Benien
SCN1A	2	166901689	T	G	509	Q	P	0.105	Likely Benien
SCN1A	2	166901688	C	A	509	Q	H	0.077	Likely Benien
SCN1A	2	166901688	C	G	509	Q	H	0.077	Likely Benien
SCN1A	2	166901687	A	C	510	S	A	0.206	Likely Benien
SCN1A	2	166901687	A	G	510	S	P	0.298	Likely Benien
SCN1A	2	166901687	A	T	510	S	T	0.147	Likely Benien
SCN1A	2	166901686	G	A	510	S	F	0.232	Likely Benien
SCN1A	2	166901686	G	C	510	S	C	0.131	Likely Benien

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166172041	G	T	482	V	F	0.123	Likely Benign
SCN2A	2	166172042	T	A	482	V	D	0.112	Likely Benign
SCN2A	2	166172042	T	C	482	V	A	0.107	Likely Benign
SCN2A	2	166172042	T	G	482	V	G	0.052	Likely Benign
SCN2A	2	166172044	A	T	483	F	Y	0.097	Likely Benign
SCN2A	2	166172044	T	C	483	F	L	0.035	Likely Benign
SCN2A	2	166172044	T	G	483	F	V	0.1	Likely Benign
SCN2A	2	166172045	T	A	483	F	Y	0.124	Likely Benign
SCN2A	2	166172045	T	C	483	F	S	0.088	Likely Benign
SCN2A	2	166172045	T	G	483	F	C	0.12	Likely Benign
SCN2A	2	166172046	T	A	483	F	L	0.039	Likely Benign
SCN2A	2	166172046	T	C	483	F	L	0.037	Likely Benign
SCN2A	2	166172047	T	A	484	S	T	0.196	Likely Benign
SCN2A	2	166172047	T	C	484	S	P	0.198	Likely Benign
SCN2A	2	166172047	T	G	484	S	A	0.187	Likely Benign
SCN2A	2	166172048	C	T	484	S	L	0.156	Likely Benign
SCN2A	2	166172050	G	A	485	E	K	0.223	Likely Benign
SCN2A	2	166172050	G	C	485	E	Q	0.224	Likely Benign
SCN2A	2	166172051	A	C	485	E	A	0.212	Likely Benign
SCN2A	2	166172051	A	G	485	E	G	0.235	Likely Benign
SCN2A	2	166172051	A	T	485	E	V	0.308	Likely Benign
SCN2A	2	166172052	G	C	485	E	D	0.17	Likely Benign
SCN2A	2	166172052	G	T	485	E	D	0.171	Likely Benign
SCN2A	2	166172053	A	C	486	S	R	0.324	Likely Benign
SCN2A	2	166172053	A	G	486	S	G	0.234	Likely Benign
SCN2A	2	166172053	A	T	486	S	C	0.307	Likely Benign
SCN2A	2	166172054	G	A	486	S	N	0.268	Likely Benign
SCN2A	2	166172054	G	C	486	S	T	0.21	Likely Benign
SCN2A	2	166172054	G	T	486	S	I	0.381	Likely Benign
SCN2A	2	166172055	T	A	486	S	R	0.292	Likely Benign
SCN2A	2	166172055	T	G	486	S	R	0.289	Likely Benign
SCN2A	2	166172056	T	A	487	S	T	0.664	Likely Benign
SCN2A	2	166172056	T	C	487	S	P	0.607	Likely Benign
SCN2A	2	166172056	T	G	487	S	A	0.69	Likely Benign
SCN2A	2	166172057	C	A	487	S	Y	0.819	Likely Pathogenic
SCN2A	2	166172057	C	G	487	S	C	0.794	Likely Pathogenic
SCN2A	2	166172057	C	T	487	S	F	0.818	Likely Pathogenic
SCN2A	2	166172059	T	A	488	S	T	0.616	Likely Benign
SCN2A	2	166172059	T	C	488	S	P	0.672	Likely Benign
SCN2A	2	166172059	T	G	488	S	A	0.488	Likely Benign
SCN2A	2	166172060	C	T	488	S	L	0.474	Likely Benign
SCN2A	2	166172062	G	A	489	V	I	0.1	Likely Benign
SCN2A	2	166172062	G	C	489	V	L	0.101	Likely Benign
SCN2A	2	166172062	G	T	489	V	L	0.101	Likely Benign
SCN2A	2	166172063	T	A	489	V	E	0.016	Likely Benign
SCN2A	2	166172063	T	C	489	V	A	0.075	Likely Benign
SCN2A	2	166172063	T	G	489	V	G	0.07	Likely Benign
SCN2A	2	166172065	G	A	490	A	T	0.16	Likely Benign
SCN2A	2	166172065	G	C	490	A	P	0.252	Likely Benign
SCN2A	2	166172065	G	T	490	A	S	0.164	Likely Benign
SCN2A	2	166172066	C	A	490	A	E	0.349	Likely Benign
SCN2A	2	166172066	C	G	490	A	G	0.234	Likely Benign
SCN2A	2	166172066	C	T	490	A	V	0.219	Likely Benign
SCN2A	2	166172068	T	A	491	S	T	0.755	Likely Benign
SCN2A	2	166172068	T	C	491	S	P	0.856	Likely Pathogenic
SCN2A	2	166172068	T	G	491	S	A	0.743	Likely Benign
SCN2A	2	166172069	C	A	491	S	Y	0.912	Likely Pathogenic
SCN2A	2	166172069	C	G	491	S	C	0.937	Likely Pathogenic
SCN2A	2	166172069	C	T	491	S	F	0.927	Likely Pathogenic
SCN2A	2	166172071	A	C	492	K	Q	0.492	Likely Benign
SCN2A	2	166172071	A	G	492	K	E	0.423	Likely Benign
SCN2A	2	166172072	A	C	492	K	T	0.577	Likely Benign
SCN2A	2	166172072	A	G	492	K	R	0.278	Likely Benign
SCN2A	2	166172072	A	T	492	K	M	0.482	Likely Benign
SCN2A	2	166172073	G	C	492	K	N	0.481	Likely Benign
SCN2A	2	166172073	G	T	492	K	N	0.484	Likely Benign
SCN2A	2	166172074	T	A	493	L	M	0.756	Likely Benign
SCN2A	2	166172074	T	G	493	L	V	0.652	Likely Benign
SCN2A	2	166172075	T	C	493	L	S	0.726	Likely Benign
SCN2A	2	166172075	T	G	493	L	W	0.86	Likely Pathogenic
SCN2A	2	166172076	G	C	493	L	F	0.573	Likely Benign
SCN2A	2	166172076	G	T	493	L	F	0.571	Likely Benign
SCN2A	2	166172077	A	C	494	S	R	0.863	Likely Pathogenic
SCN2A	2	166172077	A	G	494	S	G	0.79	Likely Pathogenic
SCN2A	2	166172077	A	T	494	S	C	0.873	Likely Pathogenic
SCN2A	2	166172078	G	A	494	S	N	0.808	Likely Pathogenic
SCN2A	2	166172078	G	C	494	S	T	0.469	Likely Benign
SCN2A	2	166172078	G	T	494	S	I	0.906	Likely Pathogenic
SCN2A	2	166172079	A	G	494	S	R	0.894	Likely Pathogenic
SCN2A	2	166172079	C	G	494	S	R	0.895	Likely Pathogenic
SCN2A	2	166172080	T	A	495	S	T	0.546	Likely Benign
SCN2A	2	166172080	T	C	495	S	P	0.564	Likely Benign
SCN2A	2	166172080	T	G	495	S	A	0.644	Likely Benign
SCN2A	2	166172081	C	A	495	S	Y	0.941	Likely Pathogenic
SCN2A	2	166172081	C	G	495	S	C	0.934	Likely Pathogenic
SCN2A	2	166172081	C	T	495	S	F	0.941	Likely Pathogenic
SCN2A	2	166172083	A	C	496	K	Q	0.679	Likely Benign
SCN2A	2	166172083	A	G	496	K	E	0.776	Likely Benign
SCN2A	2	166172084	A	C	496	K	T	0.829	Likely Pathogenic
SCN2A	2	166172084	A	G	496	K	R	0.553	Likely Benign
SCN2A	2	166172084	A	T	496	K	I	0.844	Likely Pathogenic
SCN2A	2	166172085	A	C	496	K	N	0.939	Likely Pathogenic
SCN2A	2	166172085	A	T	496	K	N	0.939	Likely Pathogenic
SCN2A	2	166172086	A	C	497	S	S	0.78	Likely Benign
SCN2A	2	166172086	A	G	497	S	G	0.635	Likely Benign
SCN2A	2	166172086	A	T	497	S	C	0.872	Likely Pathogenic
SCN2A	2	166172087	G	A	497	S	N	0.638	Likely Benign
SCN2A	2	166172087	G	C	497	S	T	0.588	Likely Benign
SCN2A	2	166172087	G	T	497	S	I	0.951	Likely Pathogenic
SCN2A	2	166172088	T	A	497	S	R	0.896	Likely Pathogenic
SCN2A	2	166172088	T	G	497	S	R	0.895	Likely Pathogenic
SCN2A	2	166172089	G	A	498	E	K	0.091	Likely Benign
SCN2A	2	166172089	G	C	498	E	Q	0.102	Likely Benign
SCN2A	2	166172089	G	T	498	E	A	0.013	Likely Benign
SCN2A	2	166172090	A	G	498	E	G	0.117	Likely Benign
SCN2A	2	166172090	A	T	498	E	V	0.112	Likely Benign
SCN2A	2	166172091	A	C	498	E	D	0.11	Likely Benign
SCN2A	2	166172091	A	T	498	E	D	0.112	Likely Benign
SCN2A	2	166172092	A	C	499	K	Q	0.847	Likely Pathogenic
SCN2A	2	166172092	A	G	499	K	E	0.717	Likely Benign
SCN2A	2	166172093	A	C	499	K	T	0.875	Likely Pathogenic
SCN2A	2	166172093	A	G	499	K	R	0.477	Likely Benign
SCN2A	2	166172093	A	T	499	K	I	0.895	Likely Pathogenic
SCN2A	2	166172094	C	A	499	K	N	0.822	Likely Pathogenic
SCN2A	2	166172094	A	T	499	K	N	0.825	Likely Pathogenic
SCN2A	2	166172095	G	A	500	E	K	0.723	Likely Benign
SCN2A	2	166172095	G	C	500	E	Q	0.726	Likely Benign
SCN2A	2	166172096	A	C	500	E	A	0.633	Likely Benign
SCN2A	2	166172096	A	G	500	E	G	0.644	Likely Benign
SCN2A	2	166172096	A	T	500	E	V	0.89	Likely Pathogenic
SCN2A	2	166172097	G	C	500	E	D	0.26	Likely Benign
SCN2A	2	166172097	G	T	500	E	D	0.261	Likely Benign
SCN2A	2	166172098	C	A	501	L	M	0.155	Likely Benign
SCN2A	2	166172098	C	G	501	L	V	0.154	Likely Benign
SCN2A	2	166172099	T	A	501	L	Q	0.161	Likely Benign
SCN2A	2	166172099	T	C	501	L	P	0.193	Likely Benign
SCN2A	2	166172099	T	G	501	L	R	0.021	Likely Benign
SCN2A	2	166172101	A	C	502	K	Q	0.195	Likely Benign
SCN2A	2	166172101	A	G	502	K	E	0.171	Likely Benign
SCN2A	2	166172102	A	C	502	K	T	0.233	Likely Benign
SCN2A	2	166172102	A	G	502	K	R	0.023	Likely Benign
SCN2A	2	166172102	A	T	502	K	I	0.406	Likely Benign
SCN2A	2	166172103	C	T	502	K	N	0.225	Likely Benign
SCN2A	2	166172103	A	T	502	K	N	0.231	Likely Benign
SCN2A	2	166172104	A	C	503	N	H	0.676	Likely Benign
SCN2A	2	166172104	A	G	503	N	D	0.554	Likely Benign
SCN2A	2	166172104	A	T	503	N	Y	0.81	Likely Pathogenic
SCN2A	2	166172105	A	C	503	N	T	0.632	Likely Benign
SCN2A	2	166172105	A	G	503	N	S	0.382	Likely Benign
SCN2A	2	166172105	A	T	503	N	I	0.781	Likely Benign
SCN2A	2	166172106	C	A	503	N	K	0.868	Likely Pathogenic
SCN2A	2	166172106	C	G	503	N	K	0.864	Likely Pathogenic
SCN2A	2	166172107	A	G	504	R	G	0.707	Likely Benign
SCN2A	2	166172108	G	A	504	R	K	0.137	Likely Benign
SCN2A	2	166172108	G	C	504	R	T	0.517	Likely Benign
SCN2A	2	166172108	G	T	504	R	I	0.524	Likely Benign
SCN2A	2	166172109	A	C	504	R	S	0.663	Likely Benign
SCN2A	2	166172109	A	T	504	R	S	0.666	Likely Benign
SCN2A	2	166172110	A	G	505	R	G	0.524	Likely Benign
SCN2A	2	166172111	G	A	505	R	K	0.088	Likely Benign
SCN2A	2	166172111	G	C	505	R	T	0.435	Likely Benign
SCN2A	2	166172111	G	T	505	R	I	0.665	Likely Benign
SCN2A	2	166172112	A	C	505	R	S	0.42	Likely Benign
SCN2A	2	166172112	A	T	505	R	S	0.427	Likely Benign
SCN2A	2	166172113	A	C	506	K	Q	0.405	Likely Benign
SCN2A	2	166172113	A	G	506	K	E	0.515	Likely Benign
SCN2A	2	166172114	A	C	506	K	T	0.6	Likely Benign
SCN2A	2	166172114	A	G	506	K	R	0.135	Likely Benign
SCN2A	2	166172114	A	T	506	K	M	0.612	Likely Benign
SCN2A	2	166172115	G	C	506	K	N	0.601	Likely Benign
SCN2A	2	166172115	G	T	506	K	N	0.598	Likely Benign
SCN2A	2	166172116	A	C	507	K	Q	0.182	Likely Benign
SCN2A	2	166172116	A	G	507	K	E	0.316	Likely Benign
SCN2A	2	166172117	A	C	507	K	T	0.413	Likely Benign
SCN2A	2	166172117	A	G	507	K	R	0.157	Likely Benign
SCN2A	2	166172117	A	T	507	K	I	0.551	Likely Benign
SCN2A	2	166172118	A	C	507	K	N	0.258	Likely Benign
SCN2A	2	166172118	A	T	507	K	N	0.258	Likely Benign
SCN2A	2	166172119	A	C	508	K	Q	0.124	Likely Benign
SCN2A	2	166172119	A	G	508	K	E	0.122	Likely Benign
SCN2A	2	166172120	A	C	508	K	T	0.19	Likely Benign
SCN2A	2	166172120	A	G	508	K	R	0.031	Likely Benign
SCN2A	2	166172120	A	T	508	K	M	0.288	Likely Benign
SCN2A	2	166172121	A	C	508	K	N	0.119	Likely Benign
SCN2A	2	166172121	G	T	508	K	N

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166901686	G	T	510	S	Y	0.241	Likely Benien
SCN1A	2	166901684	C	A	511	G	C	0.003	Likely Benien
SCN1A	2	166901684	C	G	511	G	R	0.002	Likely Benien
SCN1A	2	166901684	C	T	511	G	S	0.002	Likely Benien
SCN1A	2	166901683	C	A	511	G	V	0.003	Likely Benien
SCN1A	2	166901683	C	G	511	G	A	0.003	Likely Benien
SCN1A	2	166901683	C	T	511	G	D	0.002	Likely Benien
SCN1A	2	166901681	C	A	512	G	W	0.642	Likely Benien
SCN1A	2	166901681	C	G	512	G	R	0.171	Likely Benien
SCN1A	2	166901681	C	T	512	G	R	0.187	Likely Benien
SCN1A	2	166901680	C	A	512	G	V	0.233	Likely Benien
SCN1A	2	166901680	C	G	512	G	A	0.084	Likely Benien
SCN1A	2	166901680	C	T	512	G	E	0.054	Likely Benien
SCN1A	2	166901678	C	G	513	E	Q	0.406	Likely Benien
SCN1A	2	166901678	T	G	513	E	K	0.388	Likely Benien
SCN1A	2	166901677	T	A	513	E	V	0.775	Likely Benien
SCN1A	2	166901677	T	C	513	E	G	0.494	Likely Benien
SCN1A	2	166901677	T	G	513	E	A	0.629	Likely Benien
SCN1A	2	166901676	T	A	513	E	D	0.344	Likely Benien
SCN1A	2	166901676	T	G	513	E	D	0.344	Likely Benien
SCN1A	2	166901675	C	G	514	E	Q	0.297	Likely Benien
SCN1A	2	166901675	C	T	514	E	K	0.076	Likely Benien
SCN1A	2	166901674	T	A	514	E	V	0.465	Likely Benien
SCN1A	2	166901674	T	C	514	E	G	0.266	Likely Benien
SCN1A	2	166901674	T	G	514	E	A	0.426	Likely Benien
SCN1A	2	166901673	C	A	514	E	D	0.112	Likely Benien
SCN1A	2	166901673	C	G	514	E	D	0.107	Likely Benien
SCN1A	2	166901672	C	T	515	K	E	0.017	Likely Benien
SCN1A	2	166901672	T	G	515	K	Q	0.020	Likely Benien
SCN1A	2	166901671	T	A	515	K	I	0.057	Likely Benien
SCN1A	2	166901671	T	C	515	K	R	0.019	Likely Benien
SCN1A	2	166901671	T	G	515	K	T	0.055	Likely Benien
SCN1A	2	166901670	T	A	515	K	N	0.026	Likely Benien
SCN1A	2	166901670	T	G	515	K	N	0.026	Likely Benien
SCN1A	2	166901669	C	A	516	D	Y	0.333	Likely Benien
SCN1A	2	166901669	C	G	516	D	H	0.212	Likely Benien
SCN1A	2	166901669	C	T	516	D	N	0.116	Likely Benien
SCN1A	2	166901668	T	A	516	D	V	0.357	Likely Benien
SCN1A	2	166901668	T	C	516	D	G	0.047	Likely Benien
SCN1A	2	166901668	T	G	516	D	A	0.196	Likely Benien
SCN1A	2	166901667	A	C	516	D	E	0.094	Likely Benien
SCN1A	2	166901667	A	T	516	D	E	0.094	Likely Benien
SCN1A	2	166901666	G	T	517	E	Q	0.069	Likely Benien
SCN1A	2	166901666	C	T	517	E	K	0.085	Likely Benien
SCN1A	2	166901665	T	A	517	E	V	0.116	Likely Benien
SCN1A	2	166901665	T	C	517	E	G	0.086	Likely Benien
SCN1A	2	166901665	T	G	517	E	A	0.094	Likely Benien
SCN1A	2	166901664	C	A	517	E	D	0.027	Likely Benien
SCN1A	2	166901664	C	G	517	E	D	0.027	Likely Benien
SCN1A	2	166901663	A	G	518	D	Y	0.478	Likely Benien
SCN1A	2	166901663	C	G	518	D	H	0.423	Likely Benien
SCN1A	2	166901663	C	T	518	D	N	0.187	Likely Benien
SCN1A	2	166901662	A	G	518	D	V	0.483	Likely Benien
SCN1A	2	166901662	T	C	518	D	G	0.171	Likely Benien
SCN1A	2	166901662	T	G	518	D	A	0.164	Likely Benien
SCN1A	2	166901661	A	C	518	D	E	0.038	Likely Benien
SCN1A	2	166901661	A	T	518	D	E	0.038	Likely Benien
SCN1A	2	166901660	C	G	519	E	Q	0.112	Likely Benien
SCN1A	2	166901660	C	T	519	E	K	0.030	Likely Benien
SCN1A	2	166901659	T	A	519	E	V	0.129	Likely Benien
SCN1A	2	166901659	T	C	519	E	G	0.139	Likely Benien
SCN1A	2	166901659	T	G	519	E	A	0.120	Likely Benien
SCN1A	2	166901658	A	G	519	D	D	0.066	Likely Benien
SCN1A	2	166901658	T	G	519	E	D	0.066	Likely Benien
SCN1A	2	166901657	A	C	520	F	V	0.002	Likely Benien
SCN1A	2	166901657	A	G	520	F	L	0.002	Likely Benien
SCN1A	2	166901657	A	T	520	F	I	0.002	Likely Benien
SCN1A	2	166901656	A	C	520	F	C	0.004	Likely Benien
SCN1A	2	166901656	A	G	520	F	S	0.002	Likely Benien
SCN1A	2	166901656	A	T	520	F	Y	0.004	Likely Benien
SCN1A	2	166901655	G	C	520	F	L	0.002	Likely Benien
SCN1A	2	166901655	G	T	520	F	L	0.002	Likely Benien
SCN1A	2	166901654	G	C	521	Q	E	0.035	Likely Benien
SCN1A	2	166901654	G	T	521	Q	K	0.035	Likely Benien
SCN1A	2	166901653	T	A	521	Q	L	0.029	Likely Benien
SCN1A	2	166901653	T	C	521	Q	R	0.021	Likely Benien
SCN1A	2	166901653	T	G	521	Q	P	0.007	Likely Benien
SCN1A	2	166901652	T	A	521	Q	H	0.016	Likely Benien
SCN1A	2	166901652	T	G	521	Q	H	0.016	Likely Benien
SCN1A	2	166901651	T	C	522	K	E	0.371	Likely Benien
SCN1A	2	166901651	T	G	522	K	Q	0.143	Likely Benien
SCN1A	2	166901650	A	G	522	K	I	0.700	Likely Benien
SCN1A	2	166901650	T	C	522	K	R	0.200	Likely Benien
SCN1A	2	166901650	T	G	522	K	T	0.421	Likely Benien
SCN1A	2	166901649	A	G	522	K	N	0.528	Likely Benien
SCN1A	2	166901649	T	G	522	K	N	0.532	Likely Benien
SCN1A	2	166901648	A	C	523	S	A	0.549	Likely Benien
SCN1A	2	166901648	A	G	523	S	P	0.693	Likely Benien
SCN1A	2	166901648	A	T	523	S	T	0.732	Likely Benien
SCN1A	2	166901647	G	A	523	S	F	0.855	Likely Pathoaenic
SCN1A	2	166901647	G	C	523	S	C	0.789	Likely Pathoaenic
SCN1A	2	166901647	G	T	523	S	Y	0.894	Likely Pathoaenic
SCN1A	2	166901645	C	G	524	E	Q	0.352	Likely Benien
SCN1A	2	166901645	C	T	524	E	K	0.562	Likely Benien
SCN1A	2	166901644	T	A	524	E	V	0.537	Likely Benien
SCN1A	2	166901644	T	C	524	E	G	0.264	Likely Benien
SCN1A	2	166901644	T	G	524	E	A	0.154	Likely Benien
SCN1A	2	166901643	A	C	524	E	D	0.117	Likely Benien
SCN1A	2	166901643	T	G	524	E	D	0.113	Likely Benien
SCN1A	2	166901642	A	C	525	S	A	0.008	Likely Benien
SCN1A	2	166901642	A	G	525	S	P	0.004	Likely Benien
SCN1A	2	166901642	A	T	525	S	T	0.006	Likely Benien
SCN1A	2	166901641	G	A	525	S	F	0.014	Likely Benien
SCN1A	2	166901641	G	C	525	S	C	0.008	Likely Benien
SCN1A	2	166901641	G	T	525	S	Y	0.009	Likely Benien
SCN1A	2	166901639	C	G	526	E	Q	0.267	Likely Benien
SCN1A	2	166901639	C	T	526	E	K	0.396	Likely Benien
SCN1A	2	166901638	T	A	526	E	V	0.465	Likely Benien
SCN1A	2	166901638	T	C	526	E	G	0.482	Likely Benien
SCN1A	2	166901638	T	G	526	E	A	0.357	Likely Benien
SCN1A	2	166901637	C	A	526	E	D	0.093	Likely Benien
SCN1A	2	166901637	C	G	526	E	D	0.092	Likely Benien
SCN1A	2	166901636	C	A	527	D	Y	0.376	Likely Benien
SCN1A	2	166901636	C	G	527	D	H	0.457	Likely Benien
SCN1A	2	166901636	C	T	527	D	N	0.147	Likely Benien
SCN1A	2	166901635	T	A	527	D	V	0.494	Likely Benien
SCN1A	2	166901635	T	C	527	D	G	0.231	Likely Benien
SCN1A	2	166901635	T	G	527	D	A	0.330	Likely Benien
SCN1A	2	166901634	G	C	527	D	E	0.084	Likely Benien
SCN1A	2	166901634	G	T	527	D	E	0.084	Likely Benien
SCN1A	2	166901633	T	A	528	S	C	0.008	Likely Benien
SCN1A	2	166901633	T	C	528	S	G	0.002	Likely Benien
SCN1A	2	166901633	T	G	528	S	R	0.007	Likely Benien
SCN1A	2	166901632	C	A	528	S	I	0.010	Likely Benien
SCN1A	2	166901632	C	G	528	S	T	0.003	Likely Benien
SCN1A	2	166901632	C	T	528	S	N	0.005	Likely Benien
SCN1A	2	166901631	G	C	528	S	R	0.007	Likely Benien
SCN1A	2	166901631	G	T	528	S	R	0.007	Likely Benien
SCN1A	2	166901630	T	A	529	I	F	0.024	Likely Benien
SCN1A	2	166901630	T	C	529	I	V	0.017	Likely Benien
SCN1A	2	166901630	T	G	529	I	L	0.023	Likely Benien
SCN1A	2	166901629	A	C	529	I	S	0.017	Likely Benien
SCN1A	2	166901629	A	G	529	I	T	0.043	Likely Benien
SCN1A	2	166901629	A	T	529	I	N	0.059	Likely Benien
SCN1A	2	166901628	G	C	529	I	M	0.028	Likely Benien
SCN1A	2	166901627	T	A	530	R	W	0.408	Likely Benien
SCN1A	2	166901627	T	C	530	R	G	0.354	Likely Benien
SCN1A	2	166901626	C	A	530	R	M	0.681	Likely Benien
SCN1A	2	166901626	C	G	530	R	T	0.417	Likely Benien
SCN1A	2	166901626	C	T	530	R	K	0.064	Likely Benien
SCN1A	2	166901625	C	A	530	R	S	0.231	Likely Benien
SCN1A	2	166901625	C	G	530	R	S	0.227	Likely Benien
SCN1A	2	166901624	T	A	531	R	W	0.824	Likely Pathoaenic
SCN1A	2	166901624	T	C	531	R	G	0.524	Likely Benien
SCN1A	2	166901623	C	A	531	R	M	0.805	Likely Pathoaenic
SCN1A	2	166901623	C	G	531	R	T	0.498	Likely Benien
SCN1A	2	166901623	C	T	531	R	K	0.097	Likely Benien
SCN1A	2	166901622	C	A	531	R	S	0.433	Likely Benien
SCN1A	2	166901622	C	G	531	R	S	0.410	Likely Benien
SCN1A	2	166901621	T	C	532	K	E	0.267	Likely Benien
SCN1A	2	166901621	T	G	532	K	Q	0.318	Likely Benien
SCN1A	2	166901620	A	G	532	K	I	0.562	Likely Benien
SCN1A	2	166901620	T	C	532	K	R	0.231	Likely Benien
SCN1A	2	166901620	T	G	532	K	T	0.188	Likely Benien
SCN1A	2	166901619	A	G	532	K	N	0.274	Likely Benien
SCN1A	2	166901619	T	G	532	K	N	0.275	Likely Benien
SCN1A	2	166901618	C	A	533	G	C	0.434	Likely Benien
SCN1A	2	166901618	C	G	533	G	R	0.092	Likely Benien
SCN1A	2	166901618	C	T	533	G	S	0.057	Likely Benien
SCN1A	2	166901617	C	A	533	G	V	0.269	Likely Benien
SCN1A	2	166901617	C	G	533	G	A	0.098	Likely Benien
SCN1A	2	166901617	C	T	533	G	D	0.219	Likely Benien
SCN1A	2	166901615	A	C	534	F	V	0.205	Likely Benien
SCN1A	2	166901615	A	G	534	F	L	0.106	Likely Benien
SCN1A	2	166901615	A	T	534	F	I	0.376	Likely Benien
SCN1A	2	166901614	A	C	534	F	C	0.285	Likely Benien
SCN1A	2	166901614	A	G	534	F	S	0.260	Likely Benien
SCN1A	2	166901614	A	T	534	F	Y	0.362	Likely Benien
SCN1A	2	166901613	A	C	534	F	L	0.110	Likely Benien
SCN1A	2	166901613	A	T	534	F	L	0.110	Likely Benien
SCN1A	2	166901612	G	A	535	R	C	0.058	Likely Benien
SCN1A	2	166901612	G	C	535	R	G	0.028	Likely Benien
SCN1A	2	166901612	G	T	535	R	S	0.033	Likely Benien
SCN1A	2	166901611	A	C	535	R	L	0.018	Likely Benien
SCN1A	2	166901611	C	G	535	R	P	0.028	Likely Benien
SCN1A	2	166901611	C	T	535	R	H	0.015	Likely Benien
SCN1A	2	166901609	A	C	536	F	V	0.326	Likely Benien
SCN1A	2	166901609	A	G	536	F	L	0.089	Likely Benien
SCN1A	2	166901609	A	T	536	F	I	0.286	Likely Benien
SCN1A	2	166901608	A	C	536	F	C	0.656	Likely Benien
SCN1A	2	166901608	A	G	536	F	S	0.412	Likely Benien
SCN1A	2	166901608	A	T	536	F	Y	0.311	Likely Benien
SCN1A	2	166901607	G	T	536	F	L	0.093	Likely Benien
SCN1A	2	166901607	G	T	536	F	L	0.093	Likely Benien
SCN1A	2	166901606	A	C	537	S	A	0.021	Likely Benien
SCN1A	2	166901606	A	G	537	S	P	0.029	Likely Benien
SCN1A	2	166901606	A	T	537	S	T	0.026	Likely Benien

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166172127	G	C	510	Q	H	0.275	Likely Benign
SCN2A	2	166172127	G	T	510	Q	H	0.276	Likely Benign
SCN2A	2	166172128	A	C	511	K	Q	0.196	Likely Benign
SCN2A	2	166172128	A	G	511	K	E	0.157	Likely Benign
SCN2A	2	166172129	A	T	511	K	I	0.304	Likely Benign
SCN2A	2	166172129	A	G	511	K	R	0.081	Likely Benign
SCN2A	2	166172129	A	T	511	K	I	0.386	Likely Benign
SCN2A	2	166172130	A	C	511	K	N	0.372	Likely Benign
SCN2A	2	166172130	A	T	511	K	N	0.372	Likely Benign
SCN2A	2	166172131	G	A	512	E	K	0.091	Likely Benign
SCN2A	2	166172131	G	C	512	E	Q	0.308	Likely Benign
SCN2A	2	166172132	A	C	512	E	A	0.133	Likely Benign
SCN2A	2	166172132	A	G	512	E	G	0.325	Likely Benign
SCN2A	2	166172132	A	T	512	E	V	0.375	Likely Benign
SCN2A	2	166172133	A	C	512	E	D	0.266	Likely Benign
SCN2A	2	166172133	A	T	512	E	D	0.26	Likely Benign
SCN2A	2	166172134	C	A	513	Q	K	0.095	Likely Benign
SCN2A	2	166172134	C	G	513	Q	E	0.091	Likely Benign
SCN2A	2	166172135	A	C	513	Q	P	0.107	Likely Benign
SCN2A	2	166172135	A	G	513	Q	R	0.095	Likely Benign
SCN2A	2	166172135	A	T	513	Q	L	0.053	Likely Benign
SCN2A	2	166172136	G	C	513	Q	H	0.069	Likely Benign
SCN2A	2	166172136	G	T	513	Q	H	0.069	Likely Benign
SCN2A	2	166172137	T	A	514	S	T	0.156	Likely Benign
SCN2A	2	166172137	T	C	514	S	P	0.264	Likely Benign
SCN2A	2	166172137	T	G	514	S	A	0.191	Likely Benign
SCN2A	2	166172138	C	A	514	S	Y	0.216	Likely Benign
SCN2A	2	166172138	C	G	514	S	C	0.106	Likely Benign
SCN2A	2	166172138	C	T	514	S	F	0.201	Likely Benign
SCN2A	2	166172140	G	A	515	G	R	0.089	Likely Benign
SCN2A	2	166172140	G	C	515	G	R	0.088	Likely Benign
SCN2A	2	166172141	G	A	515	G	E	0.048	Likely Benign
SCN2A	2	166172141	G	C	515	G	A	0.105	Likely Benign
SCN2A	2	166172141	G	T	515	G	V	0.118	Likely Benign
SCN2A	2	166172143	G	A	516	E	K	0.094	Likely Benign
SCN2A	2	166172143	G	C	516	E	Q	0.098	Likely Benign
SCN2A	2	166172144	A	C	516	E	A	0.087	Likely Benign
SCN2A	2	166172144	A	G	516	E	G	0.028	Likely Benign
SCN2A	2	166172144	A	T	516	E	V	0.134	Likely Benign
SCN2A	2	166172145	A	C	516	E	D	0.074	Likely Benign
SCN2A	2	166172145	A	T	516	E	D	0.076	Likely Benign
SCN2A	2	166172146	G	A	517	E	K	0.139	Likely Benign
SCN2A	2	166172146	G	C	517	E	Q	0.109	Likely Benign
SCN2A	2	166172147	A	C	517	E	A	0.251	Likely Benign
SCN2A	2	166172147	A	G	517	E	G	0.094	Likely Benign
SCN2A	2	166172147	A	T	517	E	V	0.268	Likely Benign
SCN2A	2	166172148	A	C	517	E	D	0.162	Likely Benign
SCN2A	2	166172148	A	T	517	E	D	0.164	Likely Benign
SCN2A	2	166172149	G	A	518	E	K	0.136	Likely Benign
SCN2A	2	166172149	G	C	518	E	Q	0.336	Likely Benign
SCN2A	2	166172150	A	C	518	E	A	0.328	Likely Benign
SCN2A	2	166172150	A	G	518	E	G	0.353	Likely Benign
SCN2A	2	166172150	A	T	518	E	V	0.202	Likely Benign
SCN2A	2	166172151	G	C	518	E	D	0.149	Likely Benign
SCN2A	2	166172151	G	T	518	E	D	0.144	Likely Benign
SCN2A	2	166172152	A	C	519	K	Q	0.096	Likely Benign
SCN2A	2	166172152	A	G	519	K	E	0.079	Likely Benign
SCN2A	2	166172153	A	C	519	K	T	0.255	Likely Benign
SCN2A	2	166172153	A	G	519	K	R	0.093	Likely Benign
SCN2A	2	166172153	A	T	519	K	I	0.294	Likely Benign
SCN2A	2	166172154	A	C	519	K	N	0.24	Likely Benign
SCN2A	2	166172154	A	T	519	K	N	0.239	Likely Benign
SCN2A	2	166172155	A	C	520	N	H	0.114	Likely Benign
SCN2A	2	166172155	A	G	520	N	D	0.043	Likely Benign
SCN2A	2	166172155	A	T	520	N	Y	0.118	Likely Benign
SCN2A	2	166172156	A	C	520	N	T	0.1	Likely Benign
SCN2A	2	166172156	A	G	520	N	S	0.046	Likely Benign
SCN2A	2	166172156	A	T	520	N	I	0.107	Likely Benign
SCN2A	2	166172157	T	A	520	N	K	0.089	Likely Benign
SCN2A	2	166172157	T	G	520	N	K	0.086	Likely Benign
SCN2A	2	166172158	G	A	521	D	N	0.223	Likely Benign
SCN2A	2	166172158	G	T	521	D	H	0.281	Likely Benign
SCN2A	2	166172158	G	T	521	D	Y	0.3	Likely Benign
SCN2A	2	166172159	A	C	521	D	A	0.271	Likely Benign
SCN2A	2	166172159	A	G	521	D	G	0.132	Likely Benign
SCN2A	2	166172159	A	T	521	D	V	0.472	Likely Benign
SCN2A	2	166172160	C	A	521	D	E	0.049	Likely Benign
SCN2A	2	166172160	C	G	521	D	E	0.049	Likely Benign
SCN2A	2	166172161	A	C	522	R	G	0.103	Likely Benign
SCN2A	2	166172162	G	A	522	R	K	0.017	Likely Benign
SCN2A	2	166172162	G	C	522	R	T	0.093	Likely Benign
SCN2A	2	166172162	G	T	522	R	I	0.11	Likely Benign
SCN2A	2	166172163	A	C	522	R	S	0.074	Likely Benign
SCN2A	2	166172163	A	T	522	R	S	0.074	Likely Benign
SCN2A	2	166172164	G	A	523	V	I	0.104	Likely Benign
SCN2A	2	166172164	G	C	523	V	L	0.057	Likely Benign
SCN2A	2	166172164	G	T	523	V	F	0.036	Likely Benign
SCN2A	2	166172165	A	G	523	V	D	0.144	Likely Benign
SCN2A	2	166172165	T	C	523	V	A	0.117	Likely Benign
SCN2A	2	166172165	T	G	523	V	G	0.151	Likely Benign
SCN2A	2	166172167	C	G	524	R	G	0.105	Likely Benign
SCN2A	2	166172168	G	A	524	R	Q	0.059	Likely Benign
SCN2A	2	166172168	G	C	524	R	P	0.019	Likely Benign
SCN2A	2	166172168	G	T	524	R	L	0.076	Likely Benign
SCN2A	2	166172170	A	C	525	K	Q	0.202	Likely Benign
SCN2A	2	166172170	A	G	525	K	E	0.298	Likely Benign
SCN2A	2	166172171	A	C	525	K	T	0.471	Likely Benign
SCN2A	2	166172171	A	T	525	K	R	0.187	Likely Benign
SCN2A	2	166172171	A	T	525	K	I	0.588	Likely Benign
SCN2A	2	166172172	A	C	525	K	N	0.454	Likely Benign
SCN2A	2	166172172	A	T	525	K	N	0.454	Likely Benign
SCN2A	2	166172173	T	A	526	S	T	0.437	Likely Benign
SCN2A	2	166172173	T	C	526	S	P	0.486	Likely Benign
SCN2A	2	166172173	T	G	526	S	A	0.435	Likely Benign
SCN2A	2	166172174	C	G	526	S	W	0.417	Likely Benign
SCN2A	2	166172174	C	T	526	S	L	0.294	Likely Benign
SCN2A	2	166172176	A	C	527	E	K	0.334	Likely Benign
SCN2A	2	166172176	A	G	527	E	Q	0.268	Likely Benign
SCN2A	2	166172177	A	C	527	E	A	0.117	Likely Benign
SCN2A	2	166172177	A	G	527	E	G	0.208	Likely Benign
SCN2A	2	166172177	A	T	527	E	V	0.405	Likely Benign
SCN2A	2	166172178	A	C	527	E	D	0.118	Likely Benign
SCN2A	2	166172178	A	T	527	E	D	0.111	Likely Benign
SCN2A	2	166172179	A	G	528	S	T	0.557	Likely Benign
SCN2A	2	166172179	T	C	528	S	P	0.554	Likely Benign
SCN2A	2	166172179	T	G	528	S	A	0.535	Likely Benign
SCN2A	2	166172180	C	A	528	S	Y	0.58	Likely Benign
SCN2A	2	166172180	C	G	528	S	C	0.653	Likely Benign
SCN2A	2	166172180	C	T	528	S	F	0.676	Likely Benign
SCN2A	2	166172182	A	G	529	E	K	0.413	Likely Benign
SCN2A	2	166172182	G	C	529	E	Q	0.308	Likely Benign
SCN2A	2	166172183	A	C	529	E	A	0.499	Likely Benign
SCN2A	2	166172183	A	G	529	E	G	0.582	Likely Benign
SCN2A	2	166172183	A	T	529	E	V	0.605	Likely Benign
SCN2A	2	166172184	A	C	529	E	D	0.091	Likely Benign
SCN2A	2	166172184	A	T	529	E	D	0.092	Likely Benign
SCN2A	2	166172185	G	A	530	D	N	0.383	Likely Benign
SCN2A	2	166172185	G	C	530	D	H	0.461	Likely Benign
SCN2A	2	166172185	G	T	530	D	Y	0.298	Likely Benign
SCN2A	2	166172186	A	C	530	D	A	0.434	Likely Benign
SCN2A	2	166172186	A	G	530	D	G	0.41	Likely Benign
SCN2A	2	166172186	A	T	530	D	V	0.527	Likely Benign
SCN2A	2	166172187	A	T	530	D	E	0.095	Likely Benign
SCN2A	2	166172187	C	G	530	D	E	0.092	Likely Benign
SCN2A	2	166172188	A	C	531	S	R	0.418	Likely Benign
SCN2A	2	166172188	A	G	531	S	G	0.101	Likely Benign
SCN2A	2	166172188	A	T	531	S	C	0.416	Likely Benign
SCN2A	2	166172189	G	A	531	S	N	0.289	Likely Benign
SCN2A	2	166172189	G	C	531	S	T	0.219	Likely Benign
SCN2A	2	166172189	G	T	531	S	I	0.34	Likely Benign
SCN2A	2	166172190	C	A	531	S	R	0.379	Likely Benign
SCN2A	2	166172190	C	G	531	S	R	0.374	Likely Benign
SCN2A	2	166172191	A	C	532	I	L	0.121	Likely Benign
SCN2A	2	166172191	A	G	532	I	V	0.082	Likely Benign
SCN2A	2	166172191	A	T	532	I	L	0.121	Likely Benign
SCN2A	2	166172192	T	A	532	I	K	0.302	Likely Benign
SCN2A	2	166172192	T	C	532	I	T	0.273	Likely Benign
SCN2A	2	166172192	T	G	532	I	R	0.359	Likely Benign
SCN2A	2	166172193	A	G	532	I	M	0.157	Likely Benign
SCN2A	2	166172194	A	G	533	R	G	0.286	Likely Benign
SCN2A	2	166172195	G	A	533	R	K	0.049	Likely Benign
SCN2A	2	166172195	G	C	533	R	T	0.256	Likely Benign
SCN2A	2	166172195	G	T	533	R	T	0.304	Likely Benign
SCN2A	2	166172196	A	C	533	R	S	0.337	Likely Benign
SCN2A	2	166172196	A	T	533	R	S	0.375	Likely Benign
SCN2A	2	166172197	A	G	534	R	G	0.406	Likely Benign
SCN2A	2	166172198	G	A	534	R	K	0.113	Likely Benign
SCN2A	2	166172198	G	C	534	R	T	0.602	Likely Benign
SCN2A	2	166172198	G	T	534	R	I	0.769	Likely Benign
SCN2A	2	166172199	A	C	534	R	S	0.584	Likely Benign
SCN2A	2	166172199	A	T	534	R	S	0.584	Likely Benign
SCN2A	2	166172200	A	C	535	K	Q	0.223	Likely Benign
SCN2A	2	166172200	A	G	535	K	E	0.206	Likely Benign
SCN2A	2	166172201	A	C	535	R	T	0.13	Likely Benign
SCN2A	2	166172201	A	G	535	K	R	0.192	Likely Benign
SCN2A	2	166172201	A	T	535	K	I	0.325	Likely Benign
SCN2A	2	166172202	A	C	535	K	N	0.272	Likely Benign
SCN2A	2	166172202	A	T	535	K	N	0.292	Likely Benign
SCN2A	2	166172203	G	A	536	G	S	0.059	Likely Benign
SCN2A	2	166172203	G	C	536	G	R	0.098	Likely Benign
SCN2A	2	166172203	G	T	536	G	C	0.244	Likely Benign
SCN2A	2	166172204	G	A	536	G	D	0.147	Likely Benign
SCN2A	2	166172204	G	C	536	G	A	0.077	Likely Benign
SCN2A	2	166172204	G	T	536	G	V	0.161	Likely Benign
SCN2A	2	166172206	T	A	537	F	I	0.34	Likely Benign
SCN2A	2	166172206	T	C	537	F	L	0.111	Likely Benign
SCN2A	2	166172206	T	G	537	F	V	0.332	Likely Benign
SCN2A	2	166172207	T	A	537	F	Y	0.421	Likely Benign
SCN2A	2	166172207	T	C	537	F	S	0.282	Likely

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166901605	G	A	537	S	F	0.107	Likely Benien
SCN1A	2	166901605	G	C	537	S	C	0.054	Likely Benien
SCN1A	2	166901605	G	T	537	S	Y	0.112	Likely Benien
SCN1A	2	166901603	T	A	538	I	F	0.187	Likely Benien
SCN1A	2	166901603	T	C	538	I	V	0.078	Likely Benien
SCN1A	2	166901603	T	G	538	I	L	0.110	Likely Benien
SCN1A	2	166901602	A	C	538	I	S	0.261	Likely Benien
SCN1A	2	166901602	A	G	538	I	T	0.170	Likely Benien
SCN1A	2	166901602	A	T	538	I	N	0.326	Likely Benien
SCN1A	2	166901601	A	C	538	I	M	0.167	Likely Benien
SCN1A	2	166901600	C	G	539	E	Q	0.052	Likely Benien
SCN1A	2	166901600	C	T	539	E	K	0.050	Likely Benien
SCN1A	2	166901599	T	A	539	E	V	0.076	Likely Benien
SCN1A	2	166901599	T	C	539	E	G	0.054	Likely Benien
SCN1A	2	166901599	T	G	539	E	A	0.032	Likely Benien
SCN1A	2	166901598	T	A	539	E	D	0.017	Likely Benien
SCN1A	2	166901598	T	G	539	E	D	0.017	Likely Benien
SCN1A	2	166901597	C	A	540	G	W	0.912	Likely Pathoeenic
SCN1A	2	166901597	C	G	540	G	R	0.731	Likely Benien
SCN1A	2	166901597	C	T	540	G	R	0.730	Likely Benien
SCN1A	2	166901596	C	A	540	G	V	0.745	Likely Benien
SCN1A	2	166901596	C	G	540	G	A	0.143	Likely Benien
SCN1A	2	166901596	C	T	540	G	E	0.494	Likely Benien
SCN1A	2	166901594	T	A	541	N	Y	0.037	Likely Benien
SCN1A	2	166901594	T	C	541	N	D	0.030	Likely Benien
SCN1A	2	166901594	T	G	541	N	H	0.016	Likely Benien
SCN1A	2	166901593	T	A	541	N	I	0.041	Likely Benien
SCN1A	2	166901593	T	C	541	N	S	0.014	Likely Benien
SCN1A	2	166901593	T	G	541	N	T	0.020	Likely Benien
SCN1A	2	166901592	G	C	541	N	K	0.018	Likely Benien
SCN1A	2	166901592	G	T	541	N	K	0.018	Likely Benien
SCN1A	2	166901591	G	C	542	R	G	0.142	Likely Benien
SCN1A	2	166901590	C	A	542	R	L	0.205	Likely Benien
SCN1A	2	166901590	C	G	542	R	P	0.232	Likely Benien
SCN1A	2	166901590	C	T	542	R	Q	0.107	Likely Benien
SCN1A	2	166901588	A	C	543	L	V	0.185	Likely Benien
SCN1A	2	166901588	A	T	543	L	M	0.181	Likely Benien
SCN1A	2	166901587	A	C	543	L	W	0.337	Likely Benien
SCN1A	2	166901587	A	G	543	L	S	0.332	Likely Benien
SCN1A	2	166901586	C	A	543	L	F	0.229	Likely Benien
SCN1A	2	166901586	C	G	543	L	F	0.227	Likely Benien
SCN1A	2	166901585	T	A	544	T	S	0.089	Likely Benien
SCN1A	2	166901585	T	C	544	T	A	0.082	Likely Benien
SCN1A	2	166901585	T	G	544	T	P	0.191	Likely Benien
SCN1A	2	166901584	G	A	544	T	I	0.259	Likely Benien
SCN1A	2	166901584	G	C	544	T	R	0.110	Likely Benien
SCN1A	2	166901584	G	T	544	T	K	0.114	Likely Benien
SCN1A	2	166901582	A	C	545	Y	D	0.178	Likely Benien
SCN1A	2	166901582	A	G	545	Y	H	0.094	Likely Benien
SCN1A	2	166901582	A	T	545	Y	N	0.177	Likely Benien
SCN1A	2	166901581	T	A	545	Y	F	0.153	Likely Benien
SCN1A	2	166901581	T	C	545	Y	S	0.181	Likely Benien
SCN1A	2	166901581	T	G	545	Y	S	0.107	Likely Benien
SCN1A	2	166901579	C	G	546	E	Q	0.472	Likely Benien
SCN1A	2	166901579	C	T	546	E	K	0.496	Likely Benien
SCN1A	2	166901578	A	C	546	E	V	0.734	Likely Benien
SCN1A	2	166901578	T	C	546	E	G	0.268	Likely Benien
SCN1A	2	166901578	T	G	546	E	A	0.485	Likely Benien
SCN1A	2	166901577	A	C	546	E	D	0.146	Likely Benien
SCN1A	2	166901577	T	G	546	E	D	0.140	Likely Benien
SCN1A	2	166901576	T	C	547	K	E	0.214	Likely Benien
SCN1A	2	166901576	T	G	547	K	Q	0.206	Likely Benien
SCN1A	2	166901575	A	C	547	M	L	0.215	Likely Benien
SCN1A	2	166901575	T	C	547	K	R	0.068	Likely Benien
SCN1A	2	166901575	T	G	547	K	T	0.210	Likely Benien
SCN1A	2	166901574	A	C	547	N	D	0.103	Likely Benien
SCN1A	2	166901574	C	G	547	K	N	0.103	Likely Benien
SCN1A	2	166901573	T	A	548	R	W	0.390	Likely Benien
SCN1A	2	166901573	T	C	548	R	G	0.105	Likely Benien
SCN1A	2	166901572	C	A	548	R	M	0.267	Likely Benien
SCN1A	2	166901572	C	G	548	R	T	0.131	Likely Benien
SCN1A	2	166901572	C	T	548	R	K	0.038	Likely Benien
SCN1A	2	166901571	C	A	548	R	S	0.108	Likely Benien
SCN1A	2	166901571	C	G	548	R	S	0.105	Likely Benien
SCN1A	2	166901570	A	C	549	Y	D	0.117	Likely Benien
SCN1A	2	166901570	A	G	549	Y	H	0.105	Likely Benien
SCN1A	2	166901570	A	T	549	Y	N	0.115	Likely Benien
SCN1A	2	166901569	T	A	549	Y	F	0.032	Likely Benien
SCN1A	2	166901569	T	C	549	Y	C	0.065	Likely Benien
SCN1A	2	166901569	T	G	549	Y	S	0.077	Likely Benien
SCN1A	2	166901567	A	C	550	S	A	0.111	Likely Benien
SCN1A	2	166901567	A	G	550	S	P	0.132	Likely Benien
SCN1A	2	166901567	A	T	550	S	T	0.028	Likely Benien
SCN1A	2	166901566	G	A	550	S	F	0.200	Likely Benien
SCN1A	2	166901566	G	C	550	S	C	0.070	Likely Benien
SCN1A	2	166901566	G	T	550	S	Y	0.172	Likely Benien
SCN1A	2	166901564	A	C	551	S	A	0.068	Likely Benien
SCN1A	2	166901564	A	G	551	S	P	0.085	Likely Benien
SCN1A	2	166901564	A	T	551	S	T	0.025	Likely Benien
SCN1A	2	166901563	G	A	551	S	F	0.097	Likely Benien
SCN1A	2	166901563	G	C	551	S	C	0.085	Likely Benien
SCN1A	2	166901563	G	T	551	S	Y	0.113	Likely Benien
SCN1A	2	166901561	G	A	552	P	S	0.297	Likely Benien
SCN1A	2	166901561	G	C	552	P	A	0.316	Likely Benien
SCN1A	2	166901561	G	T	552	P	T	0.338	Likely Benien
SCN1A	2	166901560	G	A	552	P	L	0.658	Likely Benien
SCN1A	2	166901560	G	C	552	P	R	0.672	Likely Benien
SCN1A	2	166901560	G	T	552	P	Q	0.592	Likely Benien
SCN1A	2	166901558	G	A	553	H	Y	0.209	Likely Benien
SCN1A	2	166901558	G	C	553	H	D	0.214	Likely Benien
SCN1A	2	166901558	G	T	553	H	N	0.083	Likely Benien
SCN1A	2	166901557	T	A	553	H	L	0.349	Likely Benien
SCN1A	2	166901557	T	C	553	H	R	0.092	Likely Benien
SCN1A	2	166901557	T	G	553	H	P	0.136	Likely Benien
SCN1A	2	166901556	G	C	553	H	Q	0.158	Likely Benien
SCN1A	2	166901556	G	T	553	H	Q	0.156	Likely Benien
SCN1A	2	166901555	G	C	554	Q	E	0.877	Likely Pathoeenic
SCN1A	2	166901555	G	T	554	Q	K	0.802	Likely Pathoeenic
SCN1A	2	166901554	T	A	554	Q	L	0.794	Likely Pathoeenic
SCN1A	2	166901554	T	C	554	Q	R	0.637	Likely Benien
SCN1A	2	166901554	T	G	554	Q	P	0.788	Likely Pathoeenic
SCN1A	2	166901553	C	A	554	Q	H	0.741	Likely Benien
SCN1A	2	166901553	C	G	554	Q	H	0.704	Likely Benien
SCN1A	2	166901558	A	G	555	S	F	0.925	Likely Pathoeenic
SCN1A	2	166901558	G	C	555	S	C	0.925	Likely Pathoeenic
SCN1A	2	166901558	G	T	555	S	Y	0.927	Likely Pathoeenic
SCN1A	2	166901556	A	C	556	L	V	0.364	Likely Benien
SCN1A	2	166901556	A	T	556	L	M	0.138	Likely Benien
SCN1A	2	166901555	A	C	556	L	W	0.707	Likely Benien
SCN1A	2	166901555	A	G	556	L	S	0.274	Likely Benien
SCN1A	2	166901554	C	A	556	L	F	0.267	Likely Benien
SCN1A	2	166901554	C	G	556	L	F	0.269	Likely Benien
SCN1A	2	166901553	A	C	557	L	V	0.652	Likely Benien
SCN1A	2	166901553	A	T	557	L	M	0.595	Likely Benien
SCN1A	2	166901552	A	C	557	L	W	0.929	Likely Pathoeenic
SCN1A	2	166901552	A	G	557	L	S	0.809	Likely Pathoeenic
SCN1A	2	166901551	C	A	557	L	F	0.761	Likely Benien
SCN1A	2	166901551	C	G	557	L	F	0.758	Likely Benien
SCN1A	2	166901550	T	A	558	S	C	0.791	Likely Pathoeenic
SCN1A	2	166901550	T	C	558	S	G	0.462	Likely Benien
SCN1A	2	166901550	T	G	558	S	R	0.637	Likely Benien
SCN1A	2	166901549	C	A	558	S	I	0.875	Likely Pathoeenic
SCN1A	2	166901549	C	G	558	S	T	0.392	Likely Benien
SCN1A	2	166901549	C	T	558	S	N	0.423	Likely Benien
SCN1A	2	166901548	G	C	558	S	R	0.586	Likely Benien
SCN1A	2	166901548	G	T	558	S	R	0.586	Likely Benien
SCN1A	2	166901547	T	A	559	I	F	0.112	Likely Benien
SCN1A	2	166901547	T	C	559	I	V	0.136	Likely Benien
SCN1A	2	166901547	T	G	559	I	L	0.108	Likely Benien
SCN1A	2	166901546	A	C	559	I	S	0.365	Likely Benien
SCN1A	2	166901546	A	G	559	I	T	0.529	Likely Benien
SCN1A	2	166901546	A	T	559	I	N	0.707	Likely Benien
SCN1A	2	166901545	G	C	559	I	M	0.227	Likely Benien
SCN1A	2	166901544	G	A	560	R	C	0.716	Likely Benien
SCN1A	2	166901544	G	C	560	R	G	0.428	Likely Benien
SCN1A	2	166901544	G	T	560	R	S	0.143	Likely Benien
SCN1A	2	166901543	C	A	560	R	L	0.325	Likely Benien
SCN1A	2	166901543	C	G	560	R	P	0.128	Likely Benien
SCN1A	2	166901543	C	T	560	R	H	0.177	Likely Benien
SCN1A	2	166901541	C	A	561	G	C	0.894	Likely Pathoeenic
SCN1A	2	166901541	C	G	561	G	R	0.903	Likely Pathoeenic
SCN1A	2	166901541	C	T	561	G	S	0.496	Likely Benien
SCN1A	2	166901540	C	A	561	G	V	0.943	Likely Pathoeenic
SCN1A	2	166901540	C	G	561	G	A	0.837	Likely Pathoeenic
SCN1A	2	166901540	C	T	561	G	D	0.872	Likely Pathoeenic
SCN1A	2	166901538	A	C	562	S	A	0.283	Likely Benien
SCN1A	2	166901538	A	G	562	S	P	0.182	Likely Benien
SCN1A	2	166901538	A	T	562	S	T	0.318	Likely Benien
SCN1A	2	166901537	G	A	562	S	F	0.805	Likely Pathoeenic
SCN1A	2	166901537	G	C	562	S	C	0.857	Likely Pathoeenic
SCN1A	2	166901537	G	T	562	S	Y	0.739	Likely Benien
SCN1A	2	166901535	G	C	563	L	V	0.121	Likely Benien
SCN1A	2	166901535	G	T	563	L	I	0.209	Likely Benien
SCN1A	2	166901534	A	C	563	L	R	0.408	Likely Benien
SCN1A	2	166901534	A	G	563	L	P	0.150	Likely Benien
SCN1A	2	166901534	A	T	563	L	Q	0.398	Likely Benien
SCN1A	2	166901532	A	C	564	F	V	0.440	Likely Benien
SCN1A	2	166901532	A	G	564	F	L	0.101	Likely Benien
SCN1A	2	166901532	A	T	564	F	I	0.389	Likely Benien
SCN1A	2	166901531	A	C	564	F	C	0.783	Likely Pathoeenic
SCN1A	2	166901531	A	G	564	F	S	0.226	Likely Benien
SCN1A	2	166901531	A	T	564	F	Y	0.297	Likely Benien
SCN1A	2	166901530	A	C	564	F	L	0.104	Likely Benien
SCN1A	2	166901530	A	T	564	F	L	0.104	Likely Benien
SCN1A	2	166901529	A	C	565	S	A	0.243	Likely Benien
SCN1A	2	166901529	A	G	565	S	P	0.200	Likely Benien
SCN1A	2	166901529	A	T	565	S	T	0.125	Likely Benien
SCN1A	2	166901528	G	A	565	S	L	0.170	Likely Benien
SCN1A	2	166901526	G	A	566	P	S	0.106	Likely Benien
SCN1A	2	166901526	G	C	566	P	A	0.097	Likely Benien
SCN1A	2	166901526	G	T	566	P	T	0.099	Likely Benien
SCN1A	2	166901525	G	A	566	P	L	0.351	Likely Benien
SCN1A	2	166901525	G	C	566	P	R	0.124	Likely Benien
SCN1A	2	166901525	G	T	566	P	Q	0.303	Likely Benien
SCN1A	2	166901523	T	A	567	R	W	0.930	Likely Pathoeenic
SCN1A	2	166901523	T	C	567	R	G	0.918	Likely Pathoeenic
SCN1A	2	166901522	C	A	567	R	M	0.952	Likely Pathoeenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166172210	G	T	538	R	L	0.198	Likely Benign
SCN2A	2	166172212	A	T	539	F	I	0.327	Likely Benign
SCN2A	2	166172212	T	C	539	F	L	0.142	Likely Benign
SCN2A	2	166172212	T	G	539	F	V	0.35	Likely Benign
SCN2A	2	166172213	T	A	539	F	Y	0.424	Likely Benign
SCN2A	2	166172213	T	C	539	F	S	0.391	Likely Benign
SCN2A	2	166172213	T	G	539	F	C	0.605	Likely Benign
SCN2A	2	166172214	T	A	539	F	L	0.166	Likely Benign
SCN2A	2	166172214	T	G	539	F	L	0.153	Likely Benign
SCN2A	2	166172215	T	A	540	S	T	0.2	Likely Benign
SCN2A	2	166172215	T	C	540	S	P	0.273	Likely Benign
SCN2A	2	166172215	T	G	540	S	A	0.282	Likely Benign
SCN2A	2	166172216	C	A	540	S	Y	0.655	Likely Benign
SCN2A	2	166172216	C	G	540	S	C	0.597	Likely Benign
SCN2A	2	166172216	C	T	540	S	F	0.714	Likely Benign
SCN2A	2	166172218	T	A	541	L	M	0.176	Likely Benign
SCN2A	2	166172218	T	G	541	L	V	0.097	Likely Benign
SCN2A	2	166172219	T	A	541	L	S	0.203	Likely Benign
SCN2A	2	166172219	T	G	541	L	W	0.346	Likely Benign
SCN2A	2	166172220	G	C	541	L	F	0.257	Likely Benign
SCN2A	2	166172220	G	T	541	L	F	0.256	Likely Benign
SCN2A	2	166172221	G	A	542	E	K	0.376	Likely Benign
SCN2A	2	166172221	G	C	542	E	Q	0.411	Likely Benign
SCN2A	2	166172222	A	G	542	E	G	0.333	Likely Benign
SCN2A	2	166172222	A	G	542	E	G	0.504	Likely Benign
SCN2A	2	166172222	A	T	542	E	V	0.618	Likely Benign
SCN2A	2	166172223	A	C	542	E	D	0.175	Likely Benign
SCN2A	2	166172223	A	T	542	E	D	0.175	Likely Benign
SCN2A	2	166172224	G	A	543	G	R	0.453	Likely Benign
SCN2A	2	166172224	G	C	543	G	R	0.455	Likely Benign
SCN2A	2	166172225	G	A	543	G	E	0.384	Likely Benign
SCN2A	2	166172225	G	C	543	G	A	0.216	Likely Benign
SCN2A	2	166172225	G	T	543	G	V	0.633	Likely Benign
SCN2A	2	166172227	A	C	544	S	R	0.123	Likely Benign
SCN2A	2	166172227	A	G	544	S	G	0.187	Likely Benign
SCN2A	2	166172227	A	T	544	S	C	0.291	Likely Benign
SCN2A	2	166172228	G	A	544	S	N	0.063	Likely Benign
SCN2A	2	166172228	G	C	544	S	T	0.133	Likely Benign
SCN2A	2	166172228	G	T	544	S	I	0.195	Likely Benign
SCN2A	2	166172229	A	C	544	S	R	0.258	Likely Benign
SCN2A	2	166172229	T	G	544	S	R	0.234	Likely Benign
SCN2A	2	166172230	A	G	545	R	G	0.14	Likely Benign
SCN2A	2	166172230	A	T	545	R	W	0.277	Likely Benign
SCN2A	2	166172231	A	G	545	R	K	0.084	Likely Benign
SCN2A	2	166172231	G	C	545	R	T	0.161	Likely Benign
SCN2A	2	166172231	G	T	545	R	M	0.108	Likely Benign
SCN2A	2	166172232	G	C	545	R	S	0.121	Likely Benign
SCN2A	2	166172232	G	T	545	R	S	0.121	Likely Benign
SCN2A	2	166172233	C	A	546	L	M	0.18	Likely Benign
SCN2A	2	166172233	C	G	546	L	V	0.173	Likely Benign
SCN2A	2	166172234	T	A	546	L	Q	0.208	Likely Benign
SCN2A	2	166172234	T	C	546	L	P	0.315	Likely Benign
SCN2A	2	166172234	T	G	546	L	R	0.095	Likely Benign
SCN2A	2	166172236	A	C	547	T	P	0.142	Likely Benign
SCN2A	2	166172236	A	G	547	T	A	0.069	Likely Benign
SCN2A	2	166172236	A	T	547	T	S	0.078	Likely Benign
SCN2A	2	166172237	C	A	547	T	K	0.083	Likely Benign
SCN2A	2	166172237	C	G	547	T	R	0.076	Likely Benign
SCN2A	2	166172237	C	T	547	T	I	0.124	Likely Benign
SCN2A	2	166172239	T	A	548	Y	N	0.13	Likely Benign
SCN2A	2	166172239	T	C	548	Y	H	0.086	Likely Benign
SCN2A	2	166172239	T	G	548	Y	D	0.14	Likely Benign
SCN2A	2	166172240	A	C	548	Y	S	0.079	Likely Benign
SCN2A	2	166172240	A	G	548	Y	C	0.137	Likely Benign
SCN2A	2	166172240	A	T	548	Y	F	0.166	Likely Benign
SCN2A	2	166172242	G	A	549	E	K	0.157	Likely Benign
SCN2A	2	166172242	G	C	549	E	Q	0.153	Likely Benign
SCN2A	2	166172243	A	C	549	E	A	0.166	Likely Benign
SCN2A	2	166172243	A	G	549	E	G	0.087	Likely Benign
SCN2A	2	166172243	A	T	549	E	V	0.182	Likely Benign
SCN2A	2	166172244	A	C	549	E	D	0.08	Likely Benign
SCN2A	2	166172244	A	T	549	E	D	0.08	Likely Benign
SCN2A	2	166172245	A	C	550	K	Q	0.18	Likely Benign
SCN2A	2	166172245	A	G	550	K	E	0.171	Likely Benign
SCN2A	2	166172246	A	C	550	K	T	0.193	Likely Benign
SCN2A	2	166172246	A	G	550	K	R	0.063	Likely Benign
SCN2A	2	166172246	A	T	550	K	M	0.199	Likely Benign
SCN2A	2	166172247	G	C	550	K	N	0.104	Likely Benign
SCN2A	2	166172247	G	T	550	K	N	0.104	Likely Benign
SCN2A	2	166172248	A	G	551	R	G	0.104	Likely Benign
SCN2A	2	166172249	G	A	551	R	K	0.04	Likely Benign
SCN2A	2	166172249	G	C	551	R	T	0.127	Likely Benign
SCN2A	2	166172249	G	T	551	R	I	0.198	Likely Benign
SCN2A	2	166172250	A	C	551	R	S	0.135	Likely Benign
SCN2A	2	166172250	A	T	551	R	S	0.136	Likely Benign
SCN2A	2	166172251	T	A	552	F	I	0.114	Likely Benign
SCN2A	2	166172251	T	C	552	F	L	0.06	Likely Benign
SCN2A	2	166172251	T	G	552	F	V	0.104	Likely Benign
SCN2A	2	166172252	T	A	552	F	Y	0.096	Likely Benign
SCN2A	2	166172252	T	C	552	F	S	0.076	Likely Benign
SCN2A	2	166172252	T	G	552	F	C	0.071	Likely Benign
SCN2A	2	166172253	T	A	552	F	L	0.064	Likely Benign
SCN2A	2	166172253	T	G	552	F	L	0.064	Likely Benign
SCN2A	2	166172254	A	G	553	S	L	0.252	Likely Benign
SCN2A	2	166172254	T	C	553	S	P	0.676	Likely Benign
SCN2A	2	166172254	T	G	553	S	A	0.552	Likely Benign
SCN2A	2	166172255	C	A	553	S	Y	0.712	Likely Benign
SCN2A	2	166172255	C	G	553	S	C	0.463	Likely Benign
SCN2A	2	166172255	C	T	553	S	F	0.834	Likely Pathogenic
SCN2A	2	166172257	T	A	554	S	T	0.196	Likely Benign
SCN2A	2	166172257	T	C	554	S	P	0.63	Likely Benign
SCN2A	2	166172257	T	G	554	S	A	0.446	Likely Benign
SCN2A	2	166172258	C	A	554	S	Y	0.653	Likely Benign
SCN2A	2	166172258	C	G	554	S	C	0.512	Likely Benign
SCN2A	2	166172258	C	T	554	S	F	0.479	Likely Benign
SCN2A	2	166172260	C	A	555	P	T	0.409	Likely Benign
SCN2A	2	166172260	C	G	555	P	A	0.524	Likely Benign
SCN2A	2	166172260	C	T	555	P	S	0.463	Likely Benign
SCN2A	2	166172261	C	A	555	P	Q	0.786	Likely Pathogenic
SCN2A	2	166172261	C	G	555	P	R	0.778	Likely Benign
SCN2A	2	166172261	C	T	555	P	L	0.684	Likely Benign
SCN2A	2	166172263	C	A	556	H	N	0.049	Likely Benign
SCN2A	2	166172263	C	G	556	H	D	0.136	Likely Benign
SCN2A	2	166172263	T	C	556	H	Y	0.13	Likely Benign
SCN2A	2	166172264	A	C	556	H	Y	0.071	Likely Benign
SCN2A	2	166172264	A	G	556	H	R	0.086	Likely Benign
SCN2A	2	166172264	A	T	556	H	L	0.144	Likely Benign
SCN2A	2	166172265	C	A	556	H	Q	0.132	Likely Benign
SCN2A	2	166172265	C	G	556	H	Q	0.126	Likely Benign
SCN2A	2	166172266	C	A	557	Q	K	0.366	Likely Benign
SCN2A	2	166172266	C	G	557	Q	E	0.347	Likely Benign
SCN2A	2	166172267	A	C	557	Q	P	0.39	Likely Benign
SCN2A	2	166172267	A	G	557	Q	R	0.301	Likely Benign
SCN2A	2	166172267	A	T	557	Q	L	0.45	Likely Benign
SCN2A	2	166179666	T	A	558	S	T	0.294	Likely Benign
SCN2A	2	166179666	T	C	558	S	P	0.236	Likely Benign
SCN2A	2	166179666	T	G	558	S	A	0.247	Likely Benign
SCN2A	2	166179667	C	A	558	S	Y	0.351	Likely Benign
SCN2A	2	166179667	C	G	558	S	C	0.341	Likely Benign
SCN2A	2	166179667	C	T	558	S	F	0.283	Likely Benign
SCN2A	2	166179669	T	A	559	L	I	0.251	Likely Benign
SCN2A	2	166179669	T	G	559	L	V	0.233	Likely Benign
SCN2A	2	166179670	T	C	559	L	S	0.262	Likely Benign
SCN2A	2	166179671	A	C	559	L	F	0.223	Likely Benign
SCN2A	2	166179671	A	T	559	L	F	0.223	Likely Benign
SCN2A	2	166179672	A	G	560	L	M	0.489	Likely Benign
SCN2A	2	166179672	C	G	560	L	V	0.519	Likely Benign
SCN2A	2	166179673	T	A	560	L	Q	0.643	Likely Benign
SCN2A	2	166179673	T	C	560	L	P	0.641	Likely Benign
SCN2A	2	166179673	T	G	560	L	R	0.536	Likely Benign
SCN2A	2	166179675	A	C	561	S	R	0.341	Likely Benign
SCN2A	2	166179675	A	G	561	S	G	0.295	Likely Benign
SCN2A	2	166179675	A	T	561	S	C	0.504	Likely Benign
SCN2A	2	166179676	G	A	561	S	N	0.309	Likely Benign
SCN2A	2	166179676	G	C	561	S	T	0.23	Likely Benign
SCN2A	2	166179676	G	T	561	S	I	0.467	Likely Benign
SCN2A	2	166179677	C	A	561	S	R	0.301	Likely Benign
SCN2A	2	166179677	C	G	561	S	R	0.293	Likely Benign
SCN2A	2	166179678	A	C	562	L	L	0.148	Likely Benign
SCN2A	2	166179678	A	G	562	L	V	0.174	Likely Benign
SCN2A	2	166179678	A	T	562	L	F	0.122	Likely Benign
SCN2A	2	166179679	T	A	562	I	N	0.38	Likely Benign
SCN2A	2	166179679	T	C	562	I	T	0.302	Likely Benign
SCN2A	2	166179679	T	G	562	I	S	0.291	Likely Benign
SCN2A	2	166179680	C	G	562	I	M	0.236	Likely Benign
SCN2A	2	166179681	C	A	563	R	S	0.162	Likely Benign
SCN2A	2	166179681	C	G	563	R	G	0.279	Likely Benign
SCN2A	2	166179681	C	T	563	R	C	0.325	Likely Benign
SCN2A	2	166179682	G	A	563	R	H	0.121	Likely Benign
SCN2A	2	166179682	G	C	563	R	P	0.1	Likely Benign
SCN2A	2	166179682	G	T	563	R	L	0.209	Likely Benign
SCN2A	2	166179684	G	A	564	G	S	0.683	Likely Benign
SCN2A	2	166179684	G	C	564	G	R	0.878	Likely Pathogenic
SCN2A	2	166179684	G	T	564	G	C	0.877	Likely Pathogenic
SCN2A	2	166179685	G	A	564	G	D	0.722	Likely Benign
SCN2A	2	166179685	G	C	564	G	A	0.888	Likely Pathogenic
SCN2A	2	166179685	G	T	564	G	V	0.901	Likely Pathogenic
SCN2A	2	166179687	A	C	565	S	T	0.358	Likely Benign
SCN2A	2	166179687	T	C	565	S	P	0.216	Likely Benign
SCN2A	2	166179687	T	G	565	S	A	0.256	Likely Benign
SCN2A	2	166179688	A	G	565	S	Y	0.68	Likely Benign
SCN2A	2	166179688	C	G	565	S	C	0.581	Likely Benign
SCN2A	2	166179688	C	T	565	S	F	0.673	Likely Benign
SCN2A	2	166179690	A	C	566	L	I	0.223	Likely Benign
SCN2A	2	166179690	C	G	566	L	V	0.12	Likely Benign
SCN2A	2	166179690	C	T	566	L	F	0.141	Likely Benign
SCN2A	2	166179691	A	C

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166900522	C	G	567	R	T	0.951	Likely Pathoenic
SCN1A	2	166900522	C	T	567	R	K	0.904	Likely Pathoenic
SCN1A	2	166900521	C	A	567	R	S	0.845	Likely Pathoenic
SCN1A	2	166900521	C	G	567	R	S	0.843	Likely Pathoenic
SCN1A	2	166900520	G	C	568	R	G	0.889	Likely Pathoenic
SCN1A	2	166900519	C	A	568	R	L	0.945	Likely Pathoenic
SCN1A	2	166900519	C	G	568	R	P	0.899	Likely Pathoenic
SCN1A	2	166900519	C	T	568	R	Q	0.927	Likely Pathoenic
SCN1A	2	166900517	T	A	569	N	Y	0.278	Likely Benign
SCN1A	2	166900517	T	C	569	N	D	0.097	Likely Benign
SCN1A	2	166900517	T	G	569	N	H	0.260	Likely Benign
SCN1A	2	166900516	A	G	569	N	I	0.173	Likely Benign
SCN1A	2	166900516	T	C	569	N	S	0.062	Likely Benign
SCN1A	2	166900516	T	G	569	N	T	0.130	Likely Benign
SCN1A	2	166900515	A	C	569	N	K	0.242	Likely Benign
SCN1A	2	166900515	A	T	569	N	K	0.245	Likely Benign
SCN1A	2	166900514	T	A	570	S	C	0.978	Likely Pathoenic
SCN1A	2	166900514	T	C	570	S	G	0.972	Likely Pathoenic
SCN1A	2	166900514	T	G	570	S	R	0.966	Likely Pathoenic
SCN1A	2	166900513	C	A	570	S	I	0.980	Likely Pathoenic
SCN1A	2	166900513	C	G	570	S	T	0.977	Likely Pathoenic
SCN1A	2	166900513	C	T	570	S	N	0.979	Likely Pathoenic
SCN1A	2	166900512	G	C	570	S	R	0.969	Likely Pathoenic
SCN1A	2	166900512	G	T	570	S	R	0.969	Likely Pathoenic
SCN1A	2	166900511	T	C	571	R	G	0.538	Likely Benign
SCN1A	2	166900510	C	A	571	R	I	0.806	Likely Pathoenic
SCN1A	2	166900510	C	G	571	R	T	0.706	Likely Benign
SCN1A	2	166900510	C	T	571	R	K	0.108	Likely Benign
SCN1A	2	166900509	T	A	571	R	S	0.623	Likely Benign
SCN1A	2	166900509	T	G	571	R	S	0.610	Likely Benign
SCN1A	2	166900508	T	A	572	T	S	0.098	Likely Benign
SCN1A	2	166900508	T	C	572	T	A	0.051	Likely Benign
SCN1A	2	166900508	T	G	572	T	P	0.253	Likely Benign
SCN1A	2	166900507	G	A	572	T	I	0.330	Likely Benign
SCN1A	2	166900507	G	C	572	T	R	0.253	Likely Benign
SCN1A	2	166900507	G	T	572	T	K	0.264	Likely Benign
SCN1A	2	166900505	A	T	573	S	C	0.938	Likely Pathoenic
SCN1A	2	166900505	T	C	573	S	G	0.936	Likely Pathoenic
SCN1A	2	166900505	T	G	573	S	R	0.935	Likely Pathoenic
SCN1A	2	166900504	A	T	573	S	I	0.940	Likely Pathoenic
SCN1A	2	166900504	C	G	573	S	T	0.935	Likely Pathoenic
SCN1A	2	166900504	C	T	573	S	N	0.938	Likely Pathoenic
SCN1A	2	166900503	G	T	573	S	R	0.948	Likely Pathoenic
SCN1A	2	166900503	G	A	573	S	R	0.948	Likely Pathoenic
SCN1A	2	166900502	G	A	574	L	F	0.216	Likely Benign
SCN1A	2	166900502	G	C	574	L	V	0.090	Likely Benign
SCN1A	2	166900502	T	C	574	L	I	0.034	Likely Benign
SCN1A	2	166900501	A	C	574	L	R	0.474	Likely Benign
SCN1A	2	166900501	A	G	574	L	P	0.683	Likely Benign
SCN1A	2	166900501	A	T	574	L	H	0.489	Likely Benign
SCN1A	2	166900499	A	C	575	F	V	0.922	Likely Pathoenic
SCN1A	2	166900499	A	G	575	F	L	0.890	Likely Pathoenic
SCN1A	2	166900499	A	T	575	F	I	0.922	Likely Pathoenic
SCN1A	2	166900498	A	C	575	F	C	0.951	Likely Pathoenic
SCN1A	2	166900498	A	G	575	F	S	0.962	Likely Pathoenic
SCN1A	2	166900498	A	T	575	F	Y	0.956	Likely Pathoenic
SCN1A	2	166900497	G	C	575	F	L	0.966	Likely Pathoenic
SCN1A	2	166900497	G	T	575	F	L	0.967	Likely Pathoenic
SCN1A	2	166900496	T	A	576	S	C	0.927	Likely Pathoenic
SCN1A	2	166900496	T	C	576	S	G	0.858	Likely Pathoenic
SCN1A	2	166900496	T	G	576	S	R	0.900	Likely Pathoenic
SCN1A	2	166900495	C	A	576	S	I	0.950	Likely Pathoenic
SCN1A	2	166900495	C	G	576	S	T	0.270	Likely Benign
SCN1A	2	166900495	C	T	576	S	N	0.487	Likely Benign
SCN1A	2	166900494	G	C	576	S	R	0.838	Likely Pathoenic
SCN1A	2	166900494	G	T	576	S	R	0.839	Likely Pathoenic
SCN1A	2	166900493	A	C	577	F	V	0.374	Likely Benign
SCN1A	2	166900493	A	G	577	F	L	0.475	Likely Benign
SCN1A	2	166900493	A	T	577	F	I	0.345	Likely Benign
SCN1A	2	166900492	A	C	577	F	C	0.823	Likely Pathoenic
SCN1A	2	166900492	A	G	577	F	S	0.432	Likely Benign
SCN1A	2	166900492	A	T	577	F	Y	0.461	Likely Benign
SCN1A	2	166900491	A	C	577	F	L	0.388	Likely Benign
SCN1A	2	166900491	A	T	577	F	L	0.387	Likely Benign
SCN1A	2	166900490	T	C	578	R	G	0.873	Likely Pathoenic
SCN1A	2	166900489	C	A	578	R	I	0.952	Likely Pathoenic
SCN1A	2	166900489	C	G	578	R	T	0.955	Likely Pathoenic
SCN1A	2	166900489	C	T	578	R	K	0.371	Likely Benign
SCN1A	2	166900488	A	G	578	R	S	0.934	Likely Pathoenic
SCN1A	2	166900488	T	G	578	R	S	0.934	Likely Pathoenic
SCN1A	2	166900487	C	A	579	G	W	0.749	Likely Benign
SCN1A	2	166900487	G	A	579	G	R	0.210	Likely Benign
SCN1A	2	166900487	C	T	579	G	R	0.225	Likely Benign
SCN1A	2	166900486	C	A	579	G	V	0.545	Likely Benign
SCN1A	2	166900486	C	G	579	G	A	0.273	Likely Benign
SCN1A	2	166900486	C	T	579	G	E	0.372	Likely Benign
SCN1A	2	166900484	G	C	580	R	G	0.837	Likely Pathoenic
SCN1A	2	166900483	A	G	580	R	L	0.895	Likely Pathoenic
SCN1A	2	166900483	C	G	580	R	P	0.560	Likely Benign
SCN1A	2	166900483	C	T	580	R	Q	0.562	Likely Benign
SCN1A	2	166900481	A	G	581	A	S	0.111	Likely Benign
SCN1A	2	166900481	C	G	581	A	P	0.234	Likely Benign
SCN1A	2	166900481	C	T	581	A	V	0.112	Likely Benign
SCN1A	2	166900480	G	A	581	A	V	0.181	Likely Benign
SCN1A	2	166900480	G	C	581	A	G	0.072	Likely Benign
SCN1A	2	166900480	G	T	581	A	E	0.247	Likely Benign
SCN1A	2	166900478	T	C	582	K	E	0.305	Likely Benign
SCN1A	2	166900478	T	G	582	K	Q	0.249	Likely Benign
SCN1A	2	166900477	T	A	582	K	M	0.571	Likely Benign
SCN1A	2	166900477	T	C	582	K	R	0.042	Likely Benign
SCN1A	2	166900477	T	G	582	K	T	0.344	Likely Benign
SCN1A	2	166900476	C	A	582	K	N	0.283	Likely Benign
SCN1A	2	166900476	C	G	582	K	N	0.281	Likely Benign
SCN1A	2	166900475	C	A	583	D	Y	0.744	Likely Benign
SCN1A	2	166900475	C	G	583	D	H	0.570	Likely Benign
SCN1A	2	166900475	C	T	583	D	N	0.505	Likely Benign
SCN1A	2	166900474	T	A	583	D	V	0.859	Likely Pathoenic
SCN1A	2	166900474	T	C	583	D	G	0.765	Likely Benign
SCN1A	2	166900474	T	G	583	D	A	0.540	Likely Benign
SCN1A	2	166900473	A	C	583	D	E	0.284	Likely Benign
SCN1A	2	166900473	A	T	583	D	E	0.284	Likely Benign
SCN1A	2	166900472	C	A	584	V	L	0.091	Likely Benign
SCN1A	2	166900472	C	G	584	V	L	0.089	Likely Benign
SCN1A	2	166900472	C	T	584	V	M	0.110	Likely Benign
SCN1A	2	166900471	A	C	584	V	G	0.161	Likely Benign
SCN1A	2	166900471	A	G	584	V	A	0.123	Likely Benign
SCN1A	2	166900471	A	T	584	V	E	0.280	Likely Benign
SCN1A	2	166900469	C	G	585	G	R	0.883	Likely Pathoenic
SCN1A	2	166900469	C	T	585	G	R	0.883	Likely Pathoenic
SCN1A	2	166900468	G	A	585	G	V	0.665	Likely Benign
SCN1A	2	166900468	C	G	585	G	A	0.423	Likely Benign
SCN1A	2	166900468	C	T	585	G	E	0.527	Likely Benign
SCN1A	2	166900466	C	A	586	S	A	0.838	Likely Pathoenic
SCN1A	2	166900466	A	G	586	S	P	0.757	Likely Benign
SCN1A	2	166900466	A	T	586	S	T	0.864	Likely Pathoenic
SCN1A	2	166900465	G	A	586	S	F	0.922	Likely Pathoenic
SCN1A	2	166900465	G	C	586	S	C	0.954	Likely Pathoenic
SCN1A	2	166900465	G	T	586	S	Y	0.953	Likely Pathoenic
SCN1A	2	166900463	C	G	587	E	Q	0.541	Likely Benign
SCN1A	2	166900463	C	T	587	E	K	0.536	Likely Benign
SCN1A	2	166900462	T	A	587	E	V	0.836	Likely Pathoenic
SCN1A	2	166900462	T	C	587	E	G	0.823	Likely Pathoenic
SCN1A	2	166900462	T	G	587	E	A	0.795	Likely Pathoenic
SCN1A	2	166900461	C	A	587	E	D	0.155	Likely Benign
SCN1A	2	166900461	C	G	587	E	D	0.152	Likely Benign
SCN1A	2	166900460	T	A	588	N	Y	0.627	Likely Benign
SCN1A	2	166900460	T	C	588	N	D	0.396	Likely Benign
SCN1A	2	166900460	T	G	588	N	H	0.335	Likely Benign
SCN1A	2	166900459	A	T	588	N	I	0.571	Likely Benign
SCN1A	2	166900459	T	C	588	N	S	0.174	Likely Benign
SCN1A	2	166900459	T	G	588	N	T	0.075	Likely Benign
SCN1A	2	166900458	C	G	588	K	K	0.519	Likely Benign
SCN1A	2	166900458	G	T	588	N	K	0.506	Likely Benign
SCN1A	2	166900457	C	A	589	D	Y	0.843	Likely Pathoenic
SCN1A	2	166900457	C	G	589	D	H	0.839	Likely Pathoenic
SCN1A	2	166900457	C	T	589	D	N	0.272	Likely Benign
SCN1A	2	166900456	T	A	589	D	V	0.732	Likely Benign
SCN1A	2	166900456	T	C	589	D	G	0.465	Likely Benign
SCN1A	2	166900456	T	G	589	D	A	0.755	Likely Benign
SCN1A	2	166900455	G	C	589	D	E	0.076	Likely Benign
SCN1A	2	166900455	G	T	589	D	E	0.076	Likely Benign
SCN1A	2	166900454	A	C	590	F	V	0.641	Likely Benign
SCN1A	2	166900454	A	G	590	F	L	0.582	Likely Benign
SCN1A	2	166900454	A	T	590	F	I	0.675	Likely Benign
SCN1A	2	166900453	A	C	590	F	C	0.889	Likely Pathoenic
SCN1A	2	166900453	A	G	590	F	S	0.796	Likely Pathoenic
SCN1A	2	166900453	A	T	590	F	Y	0.203	Likely Benign
SCN1A	2	166900452	C	G	590	F	L	0.599	Likely Benign
SCN1A	2	166900452	G	T	590	F	L	0.597	Likely Benign
SCN1A	2	166900451	C	A	591	A	S	0.976	Likely Pathoenic
SCN1A	2	166900451	G	T	591	A	P	0.972	Likely Pathoenic
SCN1A	2	166900451	C	T	591	A	T	0.964	Likely Pathoenic
SCN1A	2	166900450	G	A	591	A	V	0.978	Likely Pathoenic
SCN1A	2	166900450	G	C	591	A	G	0.961	Likely Pathoenic
SCN1A	2	166900450	G	T	591	A	E	0.980	Likely Pathoenic
SCN1A	2	166900448	C	A	592	D	Y	0.974	Likely Pathoenic
SCN1A	2	166900448	C	G	592	D	H	0.975	Likely Pathoenic
SCN1A	2	166900448	C	T	592	D	N	0.973	Likely Pathoenic
SCN1A	2	166900447	T	A	592	D	V	0.979	Likely Pathoenic
SCN1A	2	166900447	T	C	592	D	G	0.976	Likely Pathoenic
SCN1A	2	166900447	T	G	592	D	A	0.971	Likely Pathoenic
SCN1A	2	166900446	A	C	592	D	E	0.947	Likely Pathoenic
SCN1A	2	166900446	A	T	592	D	E	0.947	Likely Pathoenic
SCN1A	2	166900445	C	A	593	D	Y	0.966	Likely Pathoenic
SCN1A	2	166900445	C	G	593	D	H	0.969	Likely Pathoenic
SCN1A	2	166900445	C	T	593	D	N	0.962	Likely Pathoenic
SCN1A	2	166900444	T	A	593	D	V	0.980	Likely Pathoenic
SCN1A	2	166900444	T	C	593	D	G	0.978	Likely Pathoenic
SCN1A	2	166900444	T	G	593	D	A	0.975	Likely Pathoenic
SCN1A	2	166900443	A	C	593	D	E	0.921	Likely Pathoenic
SCN1A	2	166900443	A	T	593	D	E	0.926	Likely Pathoenic
SCN1A	2	166900442	C	G	594	E	Q	0.950	Likely Pathoenic
SCN1A	2	166900442	C	T	594	E	K	0.959	Likely Pathoenic
SCN1A	2	166900441	T	A	594	E	V	0.960	Likely Pathoenic
SCN1A	2	166900441	T	C	594	E	G	0.950	Likely Pathoenic
SCN1A	2	166900441	T	G	594	E	A	0.934	Likely Pathoenic
SCN1A	2	166900440	C	A	594	E	D	0.840	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166179696	T	A	568	S	T	0.204	Likely Benign
SCN2A	2	166179696	T	C	568	S	P	0.223	Likely Benign
SCN2A	2	166179696	T	G	568	S	A	0.258	Likely Benign
SCN2A	2	166179697	C	A	568	S	Y	0.308	Likely Benign
SCN2A	2	166179697	C	G	568	S	C	0.260	Likely Benign
SCN2A	2	166179697	C	T	568	S	F	0.108	Likely Benign
SCN2A	2	166179699	C	A	569	P	T	0.12	Likely Benign
SCN2A	2	166179699	C	G	569	P	A	0.082	Likely Benign
SCN2A	2	166179699	C	T	569	P	S	0.1	Likely Benign
SCN2A	2	166179700	C	A	569	P	Q	0.287	Likely Benign
SCN2A	2	166179700	C	G	569	P	R	0.176	Likely Benign
SCN2A	2	166179700	C	T	569	P	L	0.278	Likely Benign
SCN2A	2	166179702	A	G	570	R	G	0.733	Likely Benign
SCN2A	2	166179703	G	A	570	R	K	0.572	Likely Benign
SCN2A	2	166179703	G	C	570	R	T	0.738	Likely Benign
SCN2A	2	166179703	G	T	570	R	I	0.851	Likely Pathogenic
SCN2A	2	166179704	A	C	570	R	S	0.847	Likely Pathogenic
SCN2A	2	166179704	A	T	570	R	S	0.846	Likely Pathogenic
SCN2A	2	166179705	C	A	571	R	S	0.602	Likely Benign
SCN2A	2	166179705	C	G	571	R	G	0.617	Likely Benign
SCN2A	2	166179705	C	T	571	R	C	0.709	Likely Benign
SCN2A	2	166179706	G	A	571	R	H	0.401	Likely Benign
SCN2A	2	166179706	G	C	571	R	P	0.691	Likely Benign
SCN2A	2	166179706	G	T	571	R	L	0.858	Likely Pathogenic
SCN2A	2	166179708	A	C	572	N	H	0.291	Likely Benign
SCN2A	2	166179708	A	G	572	N	D	0.095	Likely Benign
SCN2A	2	166179708	A	T	572	N	Y	0.468	Likely Benign
SCN2A	2	166179709	A	C	572	N	T	0.155	Likely Benign
SCN2A	2	166179709	A	G	572	N	S	0.065	Likely Benign
SCN2A	2	166179709	A	T	572	N	I	0.348	Likely Benign
SCN2A	2	166179710	C	A	572	N	K	0.224	Likely Benign
SCN2A	2	166179710	C	G	572	N	K	0.223	Likely Benign
SCN2A	2	166179711	A	C	573	S	R	0.892	Likely Pathogenic
SCN2A	2	166179711	A	G	573	S	G	0.897	Likely Pathogenic
SCN2A	2	166179711	A	T	573	S	C	0.955	Likely Pathogenic
SCN2A	2	166179712	G	A	573	S	N	0.907	Likely Pathogenic
SCN2A	2	166179712	G	C	573	S	T	0.876	Likely Pathogenic
SCN2A	2	166179712	G	T	573	S	I	0.949	Likely Pathogenic
SCN2A	2	166179713	T	A	573	S	R	0.922	Likely Pathogenic
SCN2A	2	166179713	T	G	573	S	R	0.916	Likely Pathogenic
SCN2A	2	166179714	A	G	574	R	G	0.62	Likely Benign
SCN2A	2	166179714	A	T	574	R	W	0.703	Likely Benign
SCN2A	2	166179715	G	A	574	R	K	0.075	Likely Benign
SCN2A	2	166179715	G	C	574	R	T	0.494	Likely Benign
SCN2A	2	166179715	G	T	574	R	M	0.575	Likely Benign
SCN2A	2	166179716	G	C	574	R	S	0.462	Likely Benign
SCN2A	2	166179716	G	T	574	R	S	0.462	Likely Benign
SCN2A	2	166179717	G	A	575	A	T	0.032	Likely Benign
SCN2A	2	166179717	G	C	575	A	P	0.144	Likely Benign
SCN2A	2	166179717	G	T	575	A	S	0.082	Likely Benign
SCN2A	2	166179718	C	A	575	A	E	0.155	Likely Benign
SCN2A	2	166179718	C	G	575	A	G	0.076	Likely Benign
SCN2A	2	166179718	C	T	575	A	V	0.097	Likely Benign
SCN2A	2	166179720	A	C	576	S	R	0.902	Likely Pathogenic
SCN2A	2	166179720	A	G	576	S	G	0.859	Likely Pathogenic
SCN2A	2	166179720	A	T	576	S	C	0.897	Likely Pathogenic
SCN2A	2	166179721	G	A	576	S	N	0.799	Likely Pathogenic
SCN2A	2	166179721	G	C	576	S	T	0.832	Likely Pathogenic
SCN2A	2	166179721	G	T	576	S	I	0.916	Likely Pathogenic
SCN2A	2	166179722	C	A	576	S	R	0.899	Likely Pathogenic
SCN2A	2	166179722	C	G	576	S	R	0.899	Likely Pathogenic
SCN2A	2	166179723	C	A	577	L	I	0.034	Likely Benign
SCN2A	2	166179723	C	G	577	L	V	0.09	Likely Benign
SCN2A	2	166179723	C	T	577	L	F	0.205	Likely Benign
SCN2A	2	166179724	T	A	577	L	H	0.629	Likely Benign
SCN2A	2	166179724	T	G	577	L	P	0.768	Likely Benign
SCN2A	2	166179724	T	G	577	L	R	0.684	Likely Benign
SCN2A	2	166179726	T	A	578	F	I	0.936	Likely Pathogenic
SCN2A	2	166179726	T	C	578	F	L	0.795	Likely Pathogenic
SCN2A	2	166179726	T	G	578	F	V	0.957	Likely Pathogenic
SCN2A	2	166179727	T	A	578	F	Y	0.948	Likely Pathogenic
SCN2A	2	166179727	T	C	578	F	S	0.928	Likely Pathogenic
SCN2A	2	166179727	T	G	578	F	C	0.887	Likely Pathogenic
SCN2A	2	166179728	C	A	578	F	L	0.828	Likely Pathogenic
SCN2A	2	166179728	C	G	578	F	L	0.818	Likely Pathogenic
SCN2A	2	166179729	A	C	579	S	R	0.848	Likely Pathogenic
SCN2A	2	166179729	A	G	579	S	G	0.845	Likely Pathogenic
SCN2A	2	166179729	A	T	579	S	C	0.888	Likely Pathogenic
SCN2A	2	166179730	G	A	579	S	N	0.266	Likely Benign
SCN2A	2	166179730	G	C	579	S	T	0.159	Likely Benign
SCN2A	2	166179730	G	T	579	S	I	0.875	Likely Pathogenic
SCN2A	2	166179731	A	T	579	S	R	0.798	Likely Pathogenic
SCN2A	2	166179731	C	G	579	S	R	0.791	Likely Pathogenic
SCN2A	2	166179732	T	A	580	F	I	0.57	Likely Benign
SCN2A	2	166179732	T	C	580	F	L	0.599	Likely Benign
SCN2A	2	166179732	T	G	580	F	V	0.554	Likely Benign
SCN2A	2	166179733	T	A	580	F	Y	0.517	Likely Benign
SCN2A	2	166179733	T	C	580	F	S	0.644	Likely Benign
SCN2A	2	166179733	T	G	580	F	C	0.834	Likely Pathogenic
SCN2A	2	166179734	C	A	580	F	L	0.495	Likely Benign
SCN2A	2	166179734	C	G	580	F	L	0.486	Likely Benign
SCN2A	2	166179735	A	G	581	R	G	0.746	Likely Benign
SCN2A	2	166179736	G	A	581	R	K	0.2	Likely Benign
SCN2A	2	166179736	G	C	581	R	T	0.747	Likely Benign
SCN2A	2	166179736	G	T	581	R	I	0.78	Likely Benign
SCN2A	2	166179737	A	C	581	R	S	0.879	Likely Pathogenic
SCN2A	2	166179737	A	T	581	R	S	0.882	Likely Pathogenic
SCN2A	2	166179738	G	A	582	G	S	0.309	Likely Benign
SCN2A	2	166179738	G	C	582	G	R	0.235	Likely Benign
SCN2A	2	166179738	G	T	582	G	C	0.614	Likely Benign
SCN2A	2	166179739	G	A	582	G	D	0.143	Likely Benign
SCN2A	2	166179739	G	C	582	G	A	0.2	Likely Benign
SCN2A	2	166179739	G	T	582	G	V	0.428	Likely Benign
SCN2A	2	166179741	C	G	583	R	G	0.5	Likely Benign
SCN2A	2	166179742	G	A	583	R	Q	0.418	Likely Benign
SCN2A	2	166179742	G	C	583	R	P	0.327	Likely Benign
SCN2A	2	166179742	G	T	583	R	L	0.563	Likely Benign
SCN2A	2	166179744	G	A	584	A	T	0.087	Likely Benign
SCN2A	2	166179744	G	C	584	A	P	0.193	Likely Benign
SCN2A	2	166179744	G	T	584	A	S	0.095	Likely Benign
SCN2A	2	166179745	C	A	584	A	E	0.156	Likely Benign
SCN2A	2	166179745	C	G	584	A	G	0.048	Likely Benign
SCN2A	2	166179745	C	T	584	A	V	0.149	Likely Benign
SCN2A	2	166179747	A	C	585	K	Q	0.258	Likely Benign
SCN2A	2	166179747	A	G	585	K	E	0.24	Likely Benign
SCN2A	2	166179748	A	C	585	K	T	0.286	Likely Benign
SCN2A	2	166179748	A	G	585	K	R	0.042	Likely Benign
SCN2A	2	166179748	A	T	585	K	M	0.31	Likely Benign
SCN2A	2	166179749	G	C	585	K	N	0.308	Likely Benign
SCN2A	2	166179749	G	T	585	K	N	0.331	Likely Benign
SCN2A	2	166179750	G	A	586	D	N	0.695	Likely Benign
SCN2A	2	166179750	G	C	586	D	H	0.604	Likely Benign
SCN2A	2	166179750	G	T	586	D	Y	0.642	Likely Benign
SCN2A	2	166179751	A	C	586	D	A	0.793	Likely Pathogenic
SCN2A	2	166179751	A	G	586	D	G	0.803	Likely Pathogenic
SCN2A	2	166179751	A	T	586	D	V	0.881	Likely Pathogenic
SCN2A	2	166179752	C	A	586	D	E	0.32	Likely Benign
SCN2A	2	166179752	C	G	586	D	E	0.294	Likely Benign
SCN2A	2	166179753	A	C	587	I	L	0.054	Likely Benign
SCN2A	2	166179753	A	G	587	I	V	0.024	Likely Benign
SCN2A	2	166179753	A	T	587	I	F	0.096	Likely Benign
SCN2A	2	166179754	T	A	587	I	N	0.14	Likely Benign
SCN2A	2	166179754	T	C	587	I	T	0.1	Likely Benign
SCN2A	2	166179754	T	G	587	I	S	0.124	Likely Benign
SCN2A	2	166179755	T	G	587	I	M	0.075	Likely Benign
SCN2A	2	166179756	A	C	588	G	S	0.261	Likely Benign
SCN2A	2	166179756	G	C	588	G	R	0.553	Likely Benign
SCN2A	2	166179756	G	T	588	G	C	0.272	Likely Benign
SCN2A	2	166179757	A	C	588	G	D	0.329	Likely Benign
SCN2A	2	166179757	G	T	588	G	A	0.352	Likely Benign
SCN2A	2	166179757	G	T	588	G	V	0.367	Likely Benign
SCN2A	2	166179759	T	A	589	S	T	0.738	Likely Benign
SCN2A	2	166179759	T	C	589	S	P	0.796	Likely Pathogenic
SCN2A	2	166179759	T	G	589	S	A	0.797	Likely Pathogenic
SCN2A	2	166179760	C	A	589	S	Y	0.813	Likely Pathogenic
SCN2A	2	166179760	C	G	589	S	C	0.814	Likely Pathogenic
SCN2A	2	166179760	C	T	589	S	F	0.611	Likely Benign
SCN2A	2	166179762	G	A	590	E	K	0.526	Likely Benign
SCN2A	2	166179762	G	C	590	E	Q	0.417	Likely Benign
SCN2A	2	166179763	A	C	590	E	A	0.673	Likely Benign
SCN2A	2	166179763	A	G	590	E	G	0.86	Likely Pathogenic
SCN2A	2	166179763	A	T	590	E	V	0.869	Likely Pathogenic
SCN2A	2	166179764	G	C	590	E	D	0.267	Likely Benign
SCN2A	2	166179764	G	T	590	E	D	0.266	Likely Benign
SCN2A	2	166179765	A	C	591	N	H	0.488	Likely Benign
SCN2A	2	166179765	A	G	591	N	D	0.492	Likely Benign
SCN2A	2	166179765	A	T	591	N	Y	0.743	Likely Benign
SCN2A	2	166179766	G	C	591	N	T	0.103	Likely Benign
SCN2A	2	166179766	G	G	591	N	S	0.443	Likely Benign
SCN2A	2	166179766	A	T	591	N	I	0.777	Likely Benign
SCN2A	2	166179767	T	A	591	N	K	0.628	Likely Benign
SCN2A	2	166179767	T	G	591	N	K	0.624	Likely Benign
SCN2A	2	166179768	G	A	592	D	N	0.312	Likely Benign
SCN2A	2	166179768	G	C	592	D	H	0.642	Likely Benign
SCN2A	2	166179768	G	T	592	D	Y	0.585	Likely Benign
SCN2A	2	166179769	A	C	592	D	A	0.85	Likely Pathogenic
SCN2A	2	166179769	A	G	592	D	G	0.768	Likely Benign
SCN2A	2	166179769	A	T	592	D	V	0.867	Likely Pathogenic
SCN2A	2	166179770	C	A	592	D	E	0.08	Likely Benign
SCN2A	2	166179770	C	G	592	D	E	0.081	Likely Benign
SCN2A	2	166

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166900440	C	G	594	E	D	0.850	Likely Pathoenic
SCN1A	2	166900439	G	A	595	H	Y	0.310	Likely Benien
SCN1A	2	166900439	G	C	595	H	D	0.378	Likely Benien
SCN1A	2	166900439	G	T	595	H	N	0.106	Likely Benien
SCN1A	2	166900438	T	A	595	H	L	0.326	Likely Benien
SCN1A	2	166900438	T	C	595	H	R	0.182	Likely Benien
SCN1A	2	166900438	T	G	595	H	P	0.372	Likely Benien
SCN1A	2	166900437	G	C	595	H	Q	0.217	Likely Benien
SCN1A	2	166900437	G	T	595	H	Q	0.217	Likely Benien
SCN1A	2	166900436	T	A	596	S	C	0.922	Likely Pathoenic
SCN1A	2	166900436	T	C	596	S	G	0.747	Likely Benien
SCN1A	2	166900436	T	G	596	S	R	0.901	Likely Pathoenic
SCN1A	2	166900435	C	A	596	S	I	0.946	Likely Pathoenic
SCN1A	2	166900435	C	G	596	S	T	0.909	Likely Pathoenic
SCN1A	2	166900435	C	T	596	S	N	0.931	Likely Pathoenic
SCN1A	2	166900434	G	C	596	S	R	0.932	Likely Pathoenic
SCN1A	2	166900434	G	T	596	S	R	0.932	Likely Pathoenic
SCN1A	2	166900433	T	A	597	T	S	0.376	Likely Benien
SCN1A	2	166900433	T	C	597	T	A	0.377	Likely Benien
SCN1A	2	166900433	T	G	597	T	P	0.564	Likely Benien
SCN1A	2	166900432	G	A	597	T	I	0.103	Likely Benien
SCN1A	2	166900432	G	C	597	T	S	0.346	Likely Benien
SCN1A	2	166900432	G	T	597	T	N	0.308	Likely Benien
SCN1A	2	166900430	A	C	598	F	V	0.118	Likely Benien
SCN1A	2	166900430	A	G	598	F	L	0.160	Likely Benien
SCN1A	2	166900430	A	T	598	F	I	0.345	Likely Benien
SCN1A	2	166900429	A	C	598	F	C	0.492	Likely Benien
SCN1A	2	166900429	A	G	598	F	S	0.278	Likely Benien
SCN1A	2	166900429	A	T	598	F	Y	0.276	Likely Benien
SCN1A	2	166900428	A	C	598	F	L	0.137	Likely Benien
SCN1A	2	166900428	A	T	598	F	L	0.138	Likely Benien
SCN1A	2	166900427	C	G	599	E	Q	0.335	Likely Benien
SCN1A	2	166900427	C	T	599	E	K	0.377	Likely Benien
SCN1A	2	166900426	T	A	599	E	V	0.553	Likely Benien
SCN1A	2	166900426	T	C	599	E	G	0.084	Likely Benien
SCN1A	2	166900426	T	G	599	E	A	0.304	Likely Benien
SCN1A	2	166900425	C	A	599	E	D	0.150	Likely Benien
SCN1A	2	166900425	C	G	599	E	D	0.150	Likely Benien
SCN1A	2	166900424	C	A	600	D	Y	0.431	Likely Benien
SCN1A	2	166900424	C	G	600	D	H	0.597	Likely Benien
SCN1A	2	166900424	C	T	600	D	N	0.486	Likely Benien
SCN1A	2	166900423	T	A	600	D	V	0.766	Likely Benien
SCN1A	2	166900423	T	C	600	D	G	0.161	Likely Benien
SCN1A	2	166900423	T	G	600	D	A	0.367	Likely Benien
SCN1A	2	166900422	A	C	600	D	E	0.123	Likely Benien
SCN1A	2	166900422	A	T	600	D	E	0.123	Likely Benien
SCN1A	2	166900421	A	G	601	N	Y	0.303	Likely Benien
SCN1A	2	166900421	T	C	601	N	D	0.161	Likely Benien
SCN1A	2	166900421	T	G	601	N	H	0.279	Likely Benien
SCN1A	2	166900420	T	A	601	N	I	0.419	Likely Benien
SCN1A	2	166900420	T	C	601	N	S	0.047	Likely Benien
SCN1A	2	166900420	T	G	601	N	T	0.111	Likely Benien
SCN1A	2	166900419	C	A	601	N	K	0.288	Likely Benien
SCN1A	2	166900419	C	T	601	N	K	0.287	Likely Benien
SCN1A	2	166900418	C	G	602	E	Q	0.614	Likely Benien
SCN1A	2	166900418	C	T	602	E	K	0.459	Likely Benien
SCN1A	2	166900417	T	A	602	E	V	0.759	Likely Benien
SCN1A	2	166900417	T	C	602	E	G	0.265	Likely Benien
SCN1A	2	166900417	T	G	602	E	A	0.596	Likely Benien
SCN1A	2	166900416	C	A	602	E	D	0.111	Likely Benien
SCN1A	2	166900416	C	G	602	E	D	0.111	Likely Benien
SCN1A	2	166900415	T	A	603	S	C	0.719	Likely Benien
SCN1A	2	166900415	T	C	603	S	G	0.174	Likely Benien
SCN1A	2	166900415	T	G	603	S	R	0.659	Likely Benien
SCN1A	2	166900414	C	A	603	S	I	0.635	Likely Benien
SCN1A	2	166900414	C	G	603	S	T	0.620	Likely Benien
SCN1A	2	166900414	C	T	603	S	N	0.428	Likely Benien
SCN1A	2	166900413	G	C	603	S	R	0.623	Likely Benien
SCN1A	2	166900413	G	T	603	S	R	0.620	Likely Benien
SCN1A	2	166900412	G	A	604	R	C	0.723	Likely Benien
SCN1A	2	166900412	G	C	604	R	G	0.642	Likely Benien
SCN1A	2	166900412	G	T	604	R	S	0.655	Likely Benien
SCN1A	2	166900411	C	A	604	R	L	0.666	Likely Benien
SCN1A	2	166900411	C	G	604	R	P	0.609	Likely Benien
SCN1A	2	166900411	C	T	604	R	H	0.205	Likely Benien
SCN1A	2	166900409	T	C	605	R	G	0.547	Likely Benien
SCN1A	2	166900408	C	A	605	R	I	0.857	Likely Pathoenic
SCN1A	2	166900408	C	G	605	R	T	0.751	Likely Benien
SCN1A	2	166900408	C	T	605	R	K	0.550	Likely Benien
SCN1A	2	166900407	T	A	605	R	S	0.531	Likely Benien
SCN1A	2	166900407	T	G	605	R	S	0.528	Likely Benien
SCN1A	2	166900406	A	C	606	D	Y	0.638	Likely Benien
SCN1A	2	166900406	C	G	606	D	H	0.645	Likely Benien
SCN1A	2	166900406	C	T	606	D	N	0.284	Likely Benien
SCN1A	2	166900405	A	C	606	D	V	0.569	Likely Benien
SCN1A	2	166900405	T	C	606	D	G	0.026	Likely Benien
SCN1A	2	166900405	T	G	606	D	A	0.288	Likely Benien
SCN1A	2	166900404	A	C	606	D	E	0.267	Likely Benien
SCN1A	2	166900404	A	T	606	D	E	0.267	Likely Benien
SCN1A	2	166900403	A	C	607	S	A	0.564	Likely Benien
SCN1A	2	166900403	A	G	607	S	P	0.834	Likely Pathoenic
SCN1A	2	166900403	A	T	607	S	T	0.869	Likely Pathoenic
SCN1A	2	166900402	G	A	607	S	F	0.908	Likely Pathoenic
SCN1A	2	166900402	G	C	607	S	C	0.921	Likely Pathoenic
SCN1A	2	166900402	G	T	607	S	Y	0.909	Likely Pathoenic
SCN1A	2	166900400	A	C	608	L	V	0.417	Likely Benien
SCN1A	2	166900400	A	T	608	L	M	0.315	Likely Benien
SCN1A	2	166900399	A	T	608	L	W	0.719	Likely Benien
SCN1A	2	166900399	A	G	608	L	S	0.707	Likely Benien
SCN1A	2	166900398	C	A	608	L	F	0.360	Likely Benien
SCN1A	2	166900398	C	G	608	L	F	0.361	Likely Benien
SCN1A	2	166900397	A	C	609	F	V	0.379	Likely Benien
SCN1A	2	166900397	A	G	609	F	L	0.126	Likely Benien
SCN1A	2	166900397	A	T	609	F	I	0.249	Likely Benien
SCN1A	2	166900396	A	C	609	F	C	0.752	Likely Benien
SCN1A	2	166900396	A	G	609	F	S	0.348	Likely Benien
SCN1A	2	166900396	A	T	609	F	Y	0.524	Likely Benien
SCN1A	2	166900395	A	C	609	F	L	0.112	Likely Benien
SCN1A	2	166900395	A	T	609	F	L	0.116	Likely Benien
SCN1A	2	166900394	C	A	610	V	L	0.109	Likely Benien
SCN1A	2	166900394	C	G	610	V	L	0.108	Likely Benien
SCN1A	2	166900394	C	T	610	V	M	0.651	Likely Benien
SCN1A	2	166900393	A	C	610	V	G	0.708	Likely Benien
SCN1A	2	166900393	A	G	610	V	A	0.480	Likely Benien
SCN1A	2	166900393	A	T	610	V	E	0.665	Likely Benien
SCN1A	2	166900391	G	A	611	P	S	0.976	Likely Pathoenic
SCN1A	2	166900391	G	C	611	P	A	0.949	Likely Pathoenic
SCN1A	2	166900391	G	T	611	P	T	0.963	Likely Pathoenic
SCN1A	2	166900390	G	A	611	P	L	0.968	Likely Pathoenic
SCN1A	2	166900390	G	C	611	P	R	0.953	Likely Pathoenic
SCN1A	2	166900390	G	T	611	P	H	0.961	Likely Pathoenic
SCN1A	2	166900388	G	C	612	R	G	0.090	Likely Benien
SCN1A	2	166900387	A	G	612	R	L	0.113	Likely Benien
SCN1A	2	166900387	C	G	612	R	P	0.116	Likely Benien
SCN1A	2	166900387	C	T	612	R	Q	0.094	Likely Benien
SCN1A	2	166900385	C	G	613	R	G	0.323	Likely Benien
SCN1A	2	166900384	C	A	613	R	L	0.287	Likely Benien
SCN1A	2	166900384	C	G	613	R	P	0.158	Likely Benien
SCN1A	2	166900384	C	T	613	R	Q	0.270	Likely Benien
SCN1A	2	166900382	G	A	614	H	Y	0.094	Likely Benien
SCN1A	2	166900382	G	C	614	H	D	0.417	Likely Benien
SCN1A	2	166900382	G	T	614	H	N	0.248	Likely Benien
SCN1A	2	166900381	T	A	614	H	L	0.120	Likely Benien
SCN1A	2	166900381	T	C	614	H	R	0.102	Likely Benien
SCN1A	2	166900381	T	G	614	H	P	0.086	Likely Benien
SCN1A	2	166900380	G	C	614	H	Q	0.142	Likely Benien
SCN1A	2	166900380	G	T	614	H	Q	0.142	Likely Benien
SCN1A	2	166900379	C	G	615	G	R	0.242	Likely Benien
SCN1A	2	166900379	C	T	615	G	R	0.240	Likely Benien
SCN1A	2	166900378	C	A	615	G	V	0.689	Likely Benien
SCN1A	2	166900378	C	G	615	G	A	0.712	Likely Benien
SCN1A	2	166900378	C	T	615	G	E	0.759	Likely Benien
SCN1A	2	166900376	C	G	616	E	Q	0.435	Likely Benien
SCN1A	2	166900376	C	T	616	E	K	0.452	Likely Benien
SCN1A	2	166900375	T	A	616	E	V	0.735	Likely Benien
SCN1A	2	166900375	T	C	616	E	G	0.266	Likely Benien
SCN1A	2	166900375	T	G	616	E	A	0.218	Likely Benien
SCN1A	2	166900374	C	A	616	E	D	0.288	Likely Benien
SCN1A	2	166900374	C	G	616	E	D	0.288	Likely Benien
SCN1A	2	166900373	T	C	617	R	G	0.923	Likely Pathoenic
SCN1A	2	166900373	T	G	617	R	I	0.936	Likely Pathoenic
SCN1A	2	166900372	C	A	617	R	T	0.880	Likely Pathoenic
SCN1A	2	166900372	C	T	617	R	K	0.840	Likely Pathoenic
SCN1A	2	166900371	T	A	617	R	S	0.834	Likely Pathoenic
SCN1A	2	166900371	T	G	617	R	S	0.834	Likely Pathoenic
SCN1A	2	166900370	G	A	618	R	C	0.901	Likely Pathoenic
SCN1A	2	166900370	G	C	618	R	G	0.465	Likely Benien
SCN1A	2	166900370	G	T	618	R	S	0.366	Likely Benien
SCN1A	2	166900369	C	A	618	R	L	0.437	Likely Benien
SCN1A	2	166900369	C	G	618	R	P	0.832	Likely Pathoenic
SCN1A	2	166900369	C	T	618	R	H	0.589	Likely Benien
SCN1A	2	166900367	T	A	619	N	Y	0.196	Likely Benien
SCN1A	2	166900367	T	C	619	N	D	0.142	Likely Benien
SCN1A	2	166900367	T	G	619	N	H	0.088	Likely Benien
SCN1A	2	166900366	T	A	619	N	I	0.351	Likely Benien
SCN1A	2	166900366	T	C	619	N	S	0.042	Likely Benien
SCN1A	2	166900366	T	G	619	N	T	0.108	Likely Benien
SCN1A	2	166900365	G	C	619	K	D	0.203	Likely Benien
SCN1A	2	166900365	G	T	619	N	K	0.203	Likely Benien
SCN1A	2	166900364	T	A	620	S	C	0.905	Likely Pathoenic
SCN1A	2	166900364	T	C	620	S	G	0.827	Likely Pathoenic
SCN1A	2	166900364	T	G	620	S	R	0.837	Likely Pathoenic
SCN1A	2	166900363	C	A	620	S	I	0.946	Likely Pathoenic
SCN1A	2	166900363	C	G	620	S	T	0.854	Likely Pathoenic
SCN1A	2	166900363	C	T	620	S	N	0.913	Likely Pathoenic
SCN1A	2	166900362	G	C	620	S	R	0.690	Likely Benien
SCN1A	2	166900362	G	T	620	S	R	0.693	Likely Benien
SCN1A	2	166900361	T	A	621	N	Y	0.463	Likely Benien
SCN1A	2	166900361	T	C	621	N	D	0.350	Likely Benien
SCN1A	2	166900361	T	G	621	N	H	0.349	Likely Benien
SCN1A	2	166900360	T	A	621	N	I	0.327	Likely Benien
SCN1A	2	166900360	T	C	621	N	S	0.144	Likely Benien
SCN1A	2	166900360	T	G	621	N	T	0.108	Likely Benien
SCN1A	2	166900359	G	C	621	N	K	0.308	Likely Benien
SCN1A	2	166900359	G	T	621	N	K	0.329	Likely Benien
SCN1A	2	166900358	G	C	622	L	V	0.030	Likely Benien
SCN1A	2	166900358	G	T	622	L	M	0.095	Likely Benien

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166179778	A	C	595	D	A	0.949	Likely Pathogenic
SCN2A	2	166179778	A	G	595	D	G	0.941	Likely Pathogenic
SCN2A	2	166179778	A	T	595	D	V	0.95	Likely Pathogenic
SCN2A	2	166179779	T	A	595	D	E	0.932	Likely Pathogenic
SCN2A	2	166179779	T	G	595	D	E	0.931	Likely Pathogenic
SCN2A	2	166179780	G	A	596	D	N	0.826	Likely Pathogenic
SCN2A	2	166179780	G	C	596	D	H	0.849	Likely Pathogenic
SCN2A	2	166179780	G	T	596	D	Y	0.835	Likely Pathogenic
SCN2A	2	166179781	A	C	596	D	A	0.962	Likely Pathogenic
SCN2A	2	166179781	A	G	596	D	G	0.956	Likely Pathogenic
SCN2A	2	166179781	A	T	596	D	V	0.965	Likely Pathogenic
SCN2A	2	166179782	T	A	596	D	E	0.931	Likely Pathogenic
SCN2A	2	166179782	T	G	596	D	E	0.932	Likely Pathogenic
SCN2A	2	166179783	G	A	597	E	K	0.904	Likely Pathogenic
SCN2A	2	166179783	G	C	597	E	Q	0.868	Likely Pathogenic
SCN2A	2	166179784	A	C	597	E	A	0.907	Likely Pathogenic
SCN2A	2	166179784	A	G	597	E	G	0.915	Likely Pathogenic
SCN2A	2	166179784	A	T	597	E	V	0.953	Likely Pathogenic
SCN2A	2	166179785	G	C	597	E	D	0.723	Likely Benign
SCN2A	2	166179785	G	T	597	E	D	0.71	Likely Benign
SCN2A	2	166179786	C	A	598	H	N	0.112	Likely Benign
SCN2A	2	166179786	C	G	598	H	D	0.359	Likely Benign
SCN2A	2	166179786	C	T	598	H	Y	0.292	Likely Benign
SCN2A	2	166179787	A	C	598	H	P	0.535	Likely Benign
SCN2A	2	166179787	A	G	598	H	R	0.167	Likely Benign
SCN2A	2	166179787	A	T	598	H	L	0.514	Likely Benign
SCN2A	2	166179788	C	A	598	H	Q	0.295	Likely Benign
SCN2A	2	166179788	C	G	598	H	Q	0.273	Likely Benign
SCN2A	2	166179789	A	C	599	S	R	0.909	Likely Pathogenic
SCN2A	2	166179789	A	G	599	S	G	0.792	Likely Pathogenic
SCN2A	2	166179789	A	T	599	S	C	0.913	Likely Pathogenic
SCN2A	2	166179790	G	A	599	S	N	0.79	Likely Pathogenic
SCN2A	2	166179790	G	C	599	S	T	0.786	Likely Pathogenic
SCN2A	2	166179790	G	T	599	S	I	0.882	Likely Pathogenic
SCN2A	2	166179791	C	A	599	S	R	0.763	Likely Benign
SCN2A	2	166179791	C	G	599	S	R	0.778	Likely Benign
SCN2A	2	166179792	A	C	600	T	P	0.583	Likely Benign
SCN2A	2	166179792	A	G	600	T	A	0.501	Likely Benign
SCN2A	2	166179792	A	T	600	T	S	0.402	Likely Benign
SCN2A	2	166179793	C	A	600	T	N	0.248	Likely Benign
SCN2A	2	166179793	C	G	600	T	S	0.303	Likely Benign
SCN2A	2	166179793	C	T	600	T	I	0.092	Likely Benign
SCN2A	2	166179795	T	A	601	F	I	0.302	Likely Benign
SCN2A	2	166179795	T	G	601	F	L	0.131	Likely Benign
SCN2A	2	166179795	T	G	601	F	V	0.102	Likely Benign
SCN2A	2	166179796	T	A	601	F	Y	0.338	Likely Benign
SCN2A	2	166179796	T	C	601	F	S	0.482	Likely Benign
SCN2A	2	166179796	T	G	601	F	C	0.483	Likely Benign
SCN2A	2	166179797	T	A	601	F	L	0.144	Likely Benign
SCN2A	2	166179797	T	G	601	F	L	0.138	Likely Benign
SCN2A	2	166179798	G	A	602	E	K	0.301	Likely Benign
SCN2A	2	166179798	G	C	602	E	Q	0.25	Likely Benign
SCN2A	2	166179798	G	T	602	E	D	0.259	Likely Benign
SCN2A	2	166179799	A	G	602	E	G	0.114	Likely Benign
SCN2A	2	166179799	A	T	602	E	V	0.549	Likely Benign
SCN2A	2	166179800	G	T	602	E	D	0.151	Likely Benign
SCN2A	2	166179800	G	T	602	E	D	0.151	Likely Benign
SCN2A	2	166179801	G	A	603	D	N	0.351	Likely Benign
SCN2A	2	166179801	G	C	603	D	H	0.352	Likely Benign
SCN2A	2	166179801	G	T	603	D	Y	0.277	Likely Benign
SCN2A	2	166179802	A	C	603	D	A	0.456	Likely Benign
SCN2A	2	166179802	A	G	603	D	G	0.38	Likely Benign
SCN2A	2	166179802	A	T	603	D	V	0.852	Likely Pathogenic
SCN2A	2	166179803	C	A	603	D	E	0.073	Likely Benign
SCN2A	2	166179803	C	G	603	D	E	0.073	Likely Benign
SCN2A	2	166179804	A	C	604	N	H	0.251	Likely Benign
SCN2A	2	166179804	A	G	604	N	D	0.221	Likely Benign
SCN2A	2	166179804	A	T	604	N	Y	0.252	Likely Benign
SCN2A	2	166179805	A	C	604	N	T	0.11	Likely Benign
SCN2A	2	166179805	A	G	604	N	S	0.045	Likely Benign
SCN2A	2	166179805	A	T	604	N	I	0.481	Likely Benign
SCN2A	2	166179806	T	A	604	N	K	0.188	Likely Benign
SCN2A	2	166179806	T	G	604	N	K	0.196	Likely Benign
SCN2A	2	166179807	G	A	605	D	H	0.125	Likely Benign
SCN2A	2	166179807	G	C	605	D	D	0.137	Likely Benign
SCN2A	2	166179807	G	T	605	D	Y	0.175	Likely Benign
SCN2A	2	166179808	A	C	605	D	A	0.128	Likely Benign
SCN2A	2	166179808	A	G	605	D	G	0.105	Likely Benign
SCN2A	2	166179808	A	T	605	D	V	0.167	Likely Benign
SCN2A	2	166179809	C	A	605	D	E	0.016	Likely Benign
SCN2A	2	166179809	C	G	605	D	E	0.016	Likely Benign
SCN2A	2	166179810	C	A	606	S	R	0.824	Likely Pathogenic
SCN2A	2	166179810	A	G	606	S	G	0.196	Likely Benign
SCN2A	2	166179810	A	T	606	S	C	0.843	Likely Pathogenic
SCN2A	2	166179811	G	A	606	S	N	0.353	Likely Benign
SCN2A	2	166179811	G	C	606	S	T	0.665	Likely Benign
SCN2A	2	166179811	G	T	606	S	I	0.679	Likely Benign
SCN2A	2	166179812	A	C	606	S	R	0.752	Likely Benign
SCN2A	2	166179812	C	G	606	S	R	0.707	Likely Benign
SCN2A	2	166179813	C	G	607	R	G	0.568	Likely Benign
SCN2A	2	166179814	A	C	607	R	Q	0.392	Likely Benign
SCN2A	2	166179814	G	C	607	R	P	0.469	Likely Benign
SCN2A	2	166179814	G	T	607	R	L	0.506	Likely Benign
SCN2A	2	166179816	A	C	608	E	G	0.76	Likely Benign
SCN2A	2	166179817	G	A	608	R	K	0.672	Likely Benign
SCN2A	2	166179817	G	C	608	R	T	0.794	Likely Pathogenic
SCN2A	2	166179817	G	T	608	R	I	0.873	Likely Pathogenic
SCN2A	2	166179818	A	C	608	R	S	0.653	Likely Benign
SCN2A	2	166179818	A	T	608	R	S	0.653	Likely Benign
SCN2A	2	166179819	G	A	609	D	N	0.204	Likely Benign
SCN2A	2	166179819	G	C	609	D	H	0.29	Likely Benign
SCN2A	2	166179819	G	T	609	D	Y	0.348	Likely Benign
SCN2A	2	166179820	A	C	609	D	A	0.184	Likely Benign
SCN2A	2	166179820	A	G	609	D	G	0.026	Likely Benign
SCN2A	2	166179820	A	T	609	D	V	0.676	Likely Benign
SCN2A	2	166179821	C	A	609	D	E	0.177	Likely Benign
SCN2A	2	166179821	C	G	609	D	E	0.176	Likely Benign
SCN2A	2	166179822	T	A	610	S	T	0.767	Likely Benign
SCN2A	2	166179822	T	C	610	S	P	0.824	Likely Pathogenic
SCN2A	2	166179822	T	G	610	S	A	0.539	Likely Benign
SCN2A	2	166179823	C	A	610	S	C	0.901	Likely Pathogenic
SCN2A	2	166179823	C	G	610	S	C	0.902	Likely Pathogenic
SCN2A	2	166179823	C	T	610	S	F	0.902	Likely Pathogenic
SCN2A	2	166179825	A	C	611	L	M	0.333	Likely Benign
SCN2A	2	166179825	C	G	611	L	V	0.595	Likely Benign
SCN2A	2	166179826	T	A	611	L	Q	0.817	Likely Pathogenic
SCN2A	2	166179826	T	C	611	L	P	0.848	Likely Pathogenic
SCN2A	2	166179826	T	G	611	L	R	0.813	Likely Pathogenic
SCN2A	2	166179828	T	A	612	F	I	0.544	Likely Benign
SCN2A	2	166179828	T	C	612	F	L	0.163	Likely Benign
SCN2A	2	166179828	T	G	612	F	V	0.509	Likely Benign
SCN2A	2	166179829	T	A	612	F	Y	0.725	Likely Benign
SCN2A	2	166179829	T	C	612	F	S	0.589	Likely Benign
SCN2A	2	166179829	T	G	612	F	C	0.811	Likely Pathogenic
SCN2A	2	166179830	C	A	612	F	L	0.13	Likely Benign
SCN2A	2	166179830	C	G	612	F	L	0.128	Likely Benign
SCN2A	2	166179831	G	A	613	R	L	0.398	Likely Benign
SCN2A	2	166179831	G	C	613	V	L	0.085	Likely Benign
SCN2A	2	166179831	G	T	613	V	F	0.085	Likely Benign
SCN2A	2	166179832	T	A	613	V	E	0.791	Likely Pathogenic
SCN2A	2	166179832	T	C	613	V	A	0.561	Likely Benign
SCN2A	2	166179832	T	G	613	V	G	0.793	Likely Pathogenic
SCN2A	2	166179834	A	C	614	H	P	0.817	Likely Pathogenic
SCN2A	2	166179834	C	G	614	P	A	0.731	Likely Benign
SCN2A	2	166179834	C	T	614	P	S	0.859	Likely Pathogenic
SCN2A	2	166179835	C	A	614	P	Q	0.77	Likely Benign
SCN2A	2	166179835	C	G	614	P	R	0.762	Likely Benign
SCN2A	2	166179835	C	T	614	P	L	0.735	Likely Benign
SCN2A	2	166179837	A	C	615	H	N	0.08	Likely Benign
SCN2A	2	166179837	C	G	615	H	D	0.137	Likely Benign
SCN2A	2	166179837	C	T	615	H	Y	0.084	Likely Benign
SCN2A	2	166179838	A	C	615	H	P	0.145	Likely Benign
SCN2A	2	166179838	A	G	615	H	R	0.065	Likely Benign
SCN2A	2	166179838	A	T	615	H	L	0.164	Likely Benign
SCN2A	2	166179839	C	A	615	H	Q	0.09	Likely Benign
SCN2A	2	166179839	C	G	615	H	Q	0.09	Likely Benign
SCN2A	2	166179840	A	G	616	R	G	0.475	Likely Benign
SCN2A	2	166179841	G	A	616	R	K	0.265	Likely Benign
SCN2A	2	166179841	G	C	616	R	T	0.316	Likely Benign
SCN2A	2	166179841	G	T	616	R	I	0.265	Likely Benign
SCN2A	2	166179842	A	C	616	R	S	0.166	Likely Benign
SCN2A	2	166179842	A	T	616	R	S	0.166	Likely Benign
SCN2A	2	166179843	C	A	617	H	N	0.105	Likely Benign
SCN2A	2	166179843	C	G	617	H	D	0.142	Likely Benign
SCN2A	2	166179843	C	T	617	H	Y	0.075	Likely Benign
SCN2A	2	166179844	A	C	617	H	P	0.072	Likely Benign
SCN2A	2	166179844	A	G	617	H	R	0.086	Likely Benign
SCN2A	2	166179844	A	T	617	H	L	0.06	Likely Benign
SCN2A	2	166179845	T	A	617	H	Q	0.139	Likely Benign
SCN2A	2	166179845	T	G	617	H	Q	0.139	Likely Benign
SCN2A	2	166179846	G	A	618	G	R	0.115	Likely Benign
SCN2A	2	166179846	G	C	618	G	R	0.115	Likely Benign
SCN2A	2	166179846	G	A	618	G	E	0.248	Likely Benign
SCN2A	2	166179847	G	A	618	G	A	0.21	Likely Benign
SCN2A	2	166179847	G	T	618	G	V	0.2	Likely Benign
SCN2A	2	166179849	G	A	619	E	K	0.327	Likely Benign
SCN2A	2	166179849	G	C	619	E	Q	0.263	Likely Benign
SCN2A	2	166179850	A	C	619	E	A	0.187	Likely Benign
SCN2A	2	166179850	A	G	619	E	G	0.395	Likely Benign
SCN2A	2	166179850	A	T	619	E	V	0.766	Likely Benign
SCN2A	2	166179851	A	C	619	E	D	0.327	Likely Benign
SCN2A	2	166179851	A	T	619	E	D	0.331	Likely Benign
SCN2A	2	166179852	C	G	620	R	G	0.849	Likely Pathogenic
SCN2A	2	166179852	C	T	620	R	W	0.721	Likely Benign
SCN2A	2	166

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166900357	A	C	622	L	R	0.124	Likely Benign
SCN1A	2	166900357	A	G	622	L	P	0.127	Likely Benign
SCN1A	2	166900357	A	T	622	L	Q	0.061	Likely Benign
SCN1A	2	166900355	T	A	623	S	C	0.773	Likely Benign
SCN1A	2	166900355	T	C	623	S	G	0.246	Likely Benign
SCN1A	2	166900355	T	G	623	S	R	0.716	Likely Benign
SCN1A	2	166900354	C	A	623	S	I	0.859	Likely Pathoeenic
SCN1A	2	166900354	C	G	623	S	T	0.790	Likely Pathoeenic
SCN1A	2	166900354	C	T	623	S	N	0.798	Likely Pathoeenic
SCN1A	2	166900353	A	C	623	S	R	0.594	Likely Benign
SCN1A	2	166900353	A	T	623	S	R	0.593	Likely Benign
SCN1A	2	166900352	G	C	624	Q	E	0.259	Likely Benign
SCN1A	2	166900352	G	T	624	Q	K	0.182	Likely Benign
SCN1A	2	166900351	T	A	624	Q	L	0.282	Likely Benign
SCN1A	2	166900351	T	C	624	Q	R	0.265	Likely Benign
SCN1A	2	166900351	T	G	624	Q	P	0.185	Likely Benign
SCN1A	2	166900350	C	A	624	Q	H	0.134	Likely Benign
SCN1A	2	166900350	C	G	624	Q	H	0.134	Likely Benign
SCN1A	2	166900349	T	A	625	T	S	0.082	Likely Benign
SCN1A	2	166900349	T	C	625	T	A	0.032	Likely Benign
SCN1A	2	166900349	T	G	625	T	P	0.087	Likely Benign
SCN1A	2	166900348	G	A	625	T	I	0.108	Likely Benign
SCN1A	2	166900348	G	C	625	T	S	0.086	Likely Benign
SCN1A	2	166900348	G	T	625	T	N	0.104	Likely Benign
SCN1A	2	166900346	T	A	626	S	C	0.946	Likely Pathoeenic
SCN1A	2	166900346	T	C	626	S	G	0.842	Likely Pathoeenic
SCN1A	2	166900346	T	G	626	S	R	0.949	Likely Pathoeenic
SCN1A	2	166900345	C	A	626	S	I	0.948	Likely Pathoeenic
SCN1A	2	166900345	C	G	626	S	T	0.947	Likely Pathoeenic
SCN1A	2	166900345	C	T	626	S	N	0.896	Likely Pathoeenic
SCN1A	2	166900344	A	C	626	S	R	0.921	Likely Pathoeenic
SCN1A	2	166900344	A	T	626	S	R	0.918	Likely Pathoeenic
SCN1A	2	166900343	T	A	627	R	W	0.212	Likely Benign
SCN1A	2	166900343	T	C	627	R	G	0.146	Likely Benign
SCN1A	2	166900342	C	A	627	R	M	0.107	Likely Benign
SCN1A	2	166900342	C	G	627	R	T	0.188	Likely Benign
SCN1A	2	166900342	C	T	627	R	K	0.077	Likely Benign
SCN1A	2	166900341	C	A	627	R	S	0.134	Likely Benign
SCN1A	2	166900341	C	G	627	R	S	0.123	Likely Benign
SCN1A	2	166900340	A	C	628	S	A	0.111	Likely Benign
SCN1A	2	166900340	A	G	628	S	P	0.337	Likely Benign
SCN1A	2	166900340	A	T	628	S	T	0.130	Likely Benign
SCN1A	2	166900339	G	A	628	S	L	0.167	Likely Benign
SCN1A	2	166900337	A	C	629	S	A	0.209	Likely Benign
SCN1A	2	166900337	A	G	629	S	P	0.197	Likely Benign
SCN1A	2	166900337	A	T	629	S	T	0.269	Likely Benign
SCN1A	2	166900336	G	A	629	S	F	0.818	Likely Pathoeenic
SCN1A	2	166900336	G	C	629	S	C	0.767	Likely Benign
SCN1A	2	166900336	G	T	629	S	Y	0.796	Likely Pathoeenic
SCN1A	2	166900334	A	C	630	R	W	0.346	Likely Benign
SCN1A	2	166900334	G	C	630	R	G	0.182	Likely Benign
SCN1A	2	166900333	C	A	630	R	L	0.302	Likely Benign
SCN1A	2	166900333	C	G	630	R	P	0.129	Likely Benign
SCN1A	2	166900333	C	T	630	R	Q	0.119	Likely Benign
SCN1A	2	166900331	T	A	631	M	L	0.049	Likely Benign
SCN1A	2	166900331	T	C	631	M	V	0.022	Likely Benign
SCN1A	2	166900331	T	G	631	M	L	0.049	Likely Benign
SCN1A	2	166900330	A	C	631	M	R	0.051	Likely Benign
SCN1A	2	166900330	A	G	631	M	T	0.038	Likely Benign
SCN1A	2	166900330	A	T	631	M	K	0.090	Likely Benign
SCN1A	2	166900329	C	A	631	M	I	0.028	Likely Benign
SCN1A	2	166900329	C	G	631	M	I	0.028	Likely Benign
SCN1A	2	166900329	C	T	631	M	I	0.028	Likely Benign
SCN1A	2	166900328	G	C	632	L	V	0.080	Likely Benign
SCN1A	2	166900328	G	T	632	L	M	0.091	Likely Benign
SCN1A	2	166900327	A	C	632	L	R	0.146	Likely Benign
SCN1A	2	166900327	A	G	632	L	P	0.156	Likely Benign
SCN1A	2	166900327	A	T	632	L	Q	0.106	Likely Benign
SCN1A	2	166900325	C	A	633	A	S	0.139	Likely Benign
SCN1A	2	166900325	C	G	633	A	P	0.030	Likely Benign
SCN1A	2	166900325	C	T	633	A	T	0.075	Likely Benign
SCN1A	2	166900324	G	A	633	A	V	0.165	Likely Benign
SCN1A	2	166900324	G	C	633	A	G	0.175	Likely Benign
SCN1A	2	166900324	G	T	633	A	E	0.224	Likely Benign
SCN1A	2	166900322	C	A	634	V	L	0.078	Likely Benign
SCN1A	2	166900322	C	G	634	V	L	0.077	Likely Benign
SCN1A	2	166900322	C	T	634	V	M	0.062	Likely Benign
SCN1A	2	166900321	A	C	634	V	G	0.087	Likely Benign
SCN1A	2	166900321	A	G	634	V	A	0.084	Likely Benign
SCN1A	2	166900321	A	T	634	V	E	0.159	Likely Benign
SCN1A	2	166900319	A	C	635	F	V	0.088	Likely Benign
SCN1A	2	166900319	A	G	635	F	L	0.011	Likely Benign
SCN1A	2	166900319	A	T	635	F	I	0.073	Likely Benign
SCN1A	2	166900318	A	C	635	F	C	0.081	Likely Benign
SCN1A	2	166900318	A	G	635	F	S	0.074	Likely Benign
SCN1A	2	166900318	A	T	635	F	Y	0.054	Likely Benign
SCN1A	2	166900317	A	C	635	F	L	0.012	Likely Benign
SCN1A	2	166900317	A	T	635	F	L	0.011	Likely Benign
SCN1A	2	166900316	G	A	636	P	S	0.134	Likely Benign
SCN1A	2	166900316	G	C	636	P	A	0.120	Likely Benign
SCN1A	2	166900316	G	T	636	P	L	0.176	Likely Benign
SCN1A	2	166900315	G	A	636	P	L	0.152	Likely Benign
SCN1A	2	166900315	G	C	636	P	R	0.167	Likely Benign
SCN1A	2	166900315	G	T	636	P	Q	0.277	Likely Benign
SCN1A	2	166900313	C	A	637	A	S	0.089	Likely Benign
SCN1A	2	166900313	C	G	637	A	P	0.107	Likely Benign
SCN1A	2	166900313	C	T	637	A	T	0.097	Likely Benign
SCN1A	2	166900312	G	A	637	A	V	0.047	Likely Benign
SCN1A	2	166900312	G	C	637	A	G	0.149	Likely Benign
SCN1A	2	166900312	G	T	637	A	E	0.156	Likely Benign
SCN1A	2	166900310	T	A	638	N	Y	0.627	Likely Benign
SCN1A	2	166900310	T	C	638	N	D	0.295	Likely Benign
SCN1A	2	166900310	T	G	638	N	H	0.196	Likely Benign
SCN1A	2	166900309	A	C	638	N	I	0.581	Likely Benign
SCN1A	2	166900309	T	C	638	N	S	0.184	Likely Benign
SCN1A	2	166900309	T	G	638	N	T	0.254	Likely Benign
SCN1A	2	166900308	A	C	638	N	K	0.374	Likely Benign
SCN1A	2	166900308	A	T	638	N	K	0.382	Likely Benign
SCN1A	2	166900307	C	A	639	G	W	0.952	Likely Pathoeenic
SCN1A	2	166900307	C	G	639	G	R	0.941	Likely Pathoeenic
SCN1A	2	166900307	C	T	639	G	R	0.941	Likely Pathoeenic
SCN1A	2	166900306	C	A	639	G	V	0.843	Likely Pathoeenic
SCN1A	2	166900306	C	G	639	G	A	0.898	Likely Pathoeenic
SCN1A	2	166900306	C	T	639	G	E	0.938	Likely Pathoeenic
SCN1A	2	166900304	T	C	640	K	E	0.394	Likely Benign
SCN1A	2	166900304	T	G	640	K	Q	0.599	Likely Benign
SCN1A	2	166900303	A	G	640	K	M	0.680	Likely Benign
SCN1A	2	166900303	T	C	640	K	R	0.225	Likely Benign
SCN1A	2	166900303	T	G	640	K	T	0.686	Likely Benign
SCN1A	2	166900302	A	C	640	K	N	0.656	Likely Benign
SCN1A	2	166900302	C	G	640	K	N	0.621	Likely Benign
SCN1A	2	166900301	T	A	641	M	L	0.078	Likely Benign
SCN1A	2	166900301	T	C	641	M	V	0.231	Likely Benign
SCN1A	2	166900301	T	G	641	M	L	0.077	Likely Benign
SCN1A	2	166900300	A	C	641	M	R	0.101	Likely Benign
SCN1A	2	166900300	A	G	641	M	T	0.340	Likely Benign
SCN1A	2	166900300	A	T	641	M	K	0.117	Likely Benign
SCN1A	2	166900299	C	A	641	M	I	0.342	Likely Benign
SCN1A	2	166900299	C	G	641	M	I	0.342	Likely Benign
SCN1A	2	166900299	C	T	641	M	I	0.342	Likely Benign
SCN1A	2	166900298	G	A	642	H	Y	0.371	Likely Benign
SCN1A	2	166900298	G	C	642	H	D	0.335	Likely Benign
SCN1A	2	166900298	G	T	642	H	N	0.103	Likely Benign
SCN1A	2	166900297	T	A	642	H	L	0.303	Likely Benign
SCN1A	2	166900297	T	C	642	H	R	0.138	Likely Benign
SCN1A	2	166900297	T	G	642	H	P	0.517	Likely Benign
SCN1A	2	166900296	G	C	642	H	Q	0.302	Likely Benign
SCN1A	2	166900296	G	T	642	H	Q	0.304	Likely Benign
SCN1A	2	166900295	T	A	643	S	C	0.226	Likely Benign
SCN1A	2	166900295	T	C	643	S	G	0.343	Likely Benign
SCN1A	2	166900295	T	G	643	S	R	0.680	Likely Benign
SCN1A	2	166900294	C	A	643	S	I	0.289	Likely Benign
SCN1A	2	166900294	C	G	643	S	T	0.363	Likely Benign
SCN1A	2	166900294	C	T	643	S	N	0.428	Likely Benign
SCN1A	2	166900293	G	C	643	S	R	0.657	Likely Benign
SCN1A	2	166900293	G	T	643	S	R	0.655	Likely Benign
SCN1A	2	166900292	T	A	644	T	S	0.085	Likely Benign
SCN1A	2	166900292	T	C	644	T	A	0.072	Likely Benign
SCN1A	2	166900292	T	G	644	T	P	0.333	Likely Benign
SCN1A	2	166900291	G	A	644	T	I	0.395	Likely Benign
SCN1A	2	166900291	G	C	644	T	S	0.085	Likely Benign
SCN1A	2	166900291	G	T	644	T	N	0.293	Likely Benign
SCN1A	2	166900289	C	A	645	V	L	0.247	Likely Benign
SCN1A	2	166900289	C	G	645	V	L	0.248	Likely Benign
SCN1A	2	166900289	T	C	645	V	M	0.234	Likely Benign
SCN1A	2	166900288	A	C	645	V	G	0.788	Likely Pathoeenic
SCN1A	2	166900288	A	G	645	V	A	0.427	Likely Benign
SCN1A	2	166900288	A	T	645	V	E	0.702	Likely Benign
SCN1A	2	166900286	C	A	646	D	Y	0.853	Likely Pathoeenic
SCN1A	2	166900286	C	G	646	D	H	0.866	Likely Pathoeenic
SCN1A	2	166900286	C	T	646	D	N	0.449	Likely Benign
SCN1A	2	166900285	T	A	646	D	V	0.876	Likely Pathoeenic
SCN1A	2	166900285	T	C	646	D	G	0.666	Likely Benign
SCN1A	2	166900285	T	G	646	D	A	0.590	Likely Benign
SCN1A	2	166900284	A	C	646	D	E	0.226	Likely Benign
SCN1A	2	166900284	A	T	646	D	E	0.225	Likely Benign
SCN1A	2	166900283	A	C	647	C	G	0.389	Likely Benign
SCN1A	2	166900283	A	G	647	C	R	0.531	Likely Benign
SCN1A	2	166900283	A	T	647	C	S	0.215	Likely Benign
SCN1A	2	166900282	C	A	647	C	F	0.730	Likely Benign
SCN1A	2	166900282	C	G	647	C	S	0.253	Likely Benign
SCN1A	2	166900282	C	T	647	C	Y	0.712	Likely Benign
SCN1A	2	166900281	G	C	647	C	W	0.796	Likely Pathoeenic
SCN1A	2	166900280	T	A	648	N	Y	0.935	Likely Pathoeenic
SCN1A	2	166900280	T	C	648	N	D	0.868	Likely Pathoeenic
SCN1A	2	166900280	T	G	648	N	H	0.891	Likely Pathoeenic
SCN1A	2	166900279	T	A	648	N	I	0.877	Likely Pathoeenic
SCN1A	2	166900279	T	C	648	N	S	0.816	Likely Pathoeenic
SCN1A	2	166900279	T	G	648	N	T	0.844	Likely Pathoeenic
SCN1A	2	166900278	A	C	648	N	K	0.728	Likely Benign
SCN1A	2	166900278	A	T	648	N	K	0.720	Likely Benign
SCN1A	2	166900277	C	A	649	G	C	0.976	Likely Pathoeenic
SCN1A	2	166900277	C	G	649	G	R	0.961	Likely Pathoeenic
SCN1A	2	166900277	C	T	649	G	S	0.976	Likely Pathoeenic
SCN1A	2	166900276	C	A	649	G	V	0.975	Likely Pathoeenic
SCN1A	2	166900276	C	G	649	G	A	0.972	Likely Pathoeenic
SCN1A	2	166900276	C	T	649	G	D	0.976	Likely Pathoeenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166179859	A	G	622	H	R	0.071	Likely Benign
SCN2A	2	166179859	A	T	622	H	L	0.093	Likely Benign
SCN2A	2	166179860	C	A	622	H	Q	0.071	Likely Benign
SCN2A	2	166179860	C	G	622	H	Q	0.071	Likely Benign
SCN2A	2	166179861	A	C	623	S	R	0.754	Likely Benign
SCN2A	2	166179861	A	G	623	S	G	0.669	Likely Benign
SCN2A	2	166179861	A	T	623	S	C	0.87	Likely Pathogenic
SCN2A	2	166179862	G	A	623	S	N	0.703	Likely Benign
SCN2A	2	166179862	G	C	623	S	T	0.574	Likely Benign
SCN2A	2	166179862	G	T	623	S	I	0.729	Likely Benign
SCN2A	2	166179863	C	A	623	S	R	0.659	Likely Benign
SCN2A	2	166179863	C	G	623	S	R	0.674	Likely Benign
SCN2A	2	166179864	A	C	624	N	H	0.279	Likely Benign
SCN2A	2	166179864	A	G	624	N	D	0.291	Likely Benign
SCN2A	2	166179864	A	T	624	N	Y	0.373	Likely Benign
SCN2A	2	166179865	A	C	624	N	T	0.09	Likely Benign
SCN2A	2	166179865	A	G	624	N	S	0.128	Likely Benign
SCN2A	2	166179865	A	T	624	N	I	0.272	Likely Benign
SCN2A	2	166179866	T	A	624	N	K	0.228	Likely Benign
SCN2A	2	166179866	T	G	624	N	K	0.225	Likely Benign
SCN2A	2	166179867	G	A	625	V	I	0.034	Likely Benign
SCN2A	2	166179867	G	C	625	V	L	0.054	Likely Benign
SCN2A	2	166179867	G	T	625	V	F	0.099	Likely Benign
SCN2A	2	166179868	T	A	625	V	D	0.128	Likely Benign
SCN2A	2	166179868	T	C	625	V	A	0.097	Likely Benign
SCN2A	2	166179868	T	G	625	V	G	0.108	Likely Benign
SCN2A	2	166179870	A	C	626	S	R	0.931	Likely Pathogenic
SCN2A	2	166179870	A	G	626	S	G	0.477	Likely Benign
SCN2A	2	166179870	A	T	626	S	C	0.925	Likely Pathogenic
SCN2A	2	166179871	G	A	626	S	N	0.852	Likely Pathogenic
SCN2A	2	166179871	G	C	626	S	T	0.886	Likely Pathogenic
SCN2A	2	166179871	G	T	626	S	I	0.942	Likely Pathogenic
SCN2A	2	166179872	C	A	626	S	R	0.886	Likely Pathogenic
SCN2A	2	166179872	C	G	626	S	R	0.889	Likely Pathogenic
SCN2A	2	166179873	C	A	627	Q	K	0.23	Likely Benign
SCN2A	2	166179873	C	G	627	Q	E	0.296	Likely Benign
SCN2A	2	166179873	C	T	627	Q	P	0.397	Likely Benign
SCN2A	2	166179874	A	G	627	Q	R	0.46	Likely Benign
SCN2A	2	166179874	A	T	627	Q	L	0.541	Likely Benign
SCN2A	2	166179875	G	C	627	Q	H	0.177	Likely Benign
SCN2A	2	166179875	G	T	627	Q	H	0.176	Likely Benign
SCN2A	2	166179876	G	A	628	A	T	0.057	Likely Benign
SCN2A	2	166179876	G	C	628	A	P	0.096	Likely Benign
SCN2A	2	166179876	G	T	628	A	S	0.108	Likely Benign
SCN2A	2	166179877	C	A	628	A	D	0.184	Likely Benign
SCN2A	2	166179877	C	G	628	A	G	0.089	Likely Benign
SCN2A	2	166179877	C	T	628	A	V	0.086	Likely Benign
SCN2A	2	166179879	A	C	629	S	K	0.847	Likely Pathogenic
SCN2A	2	166179879	A	G	629	S	G	0.442	Likely Benign
SCN2A	2	166179879	A	T	629	S	C	0.694	Likely Benign
SCN2A	2	166179880	G	A	629	S	N	0.525	Likely Benign
SCN2A	2	166179880	G	C	629	S	T	0.504	Likely Benign
SCN2A	2	166179880	G	T	629	S	I	0.726	Likely Benign
SCN2A	2	166179881	C	A	629	S	R	0.862	Likely Pathogenic
SCN2A	2	166179881	C	G	629	S	R	0.842	Likely Pathogenic
SCN2A	2	166179882	A	C	630	R	S	0.11	Likely Benign
SCN2A	2	166179882	A	G	630	R	G	0.113	Likely Benign
SCN2A	2	166179882	C	T	630	R	C	0.162	Likely Benign
SCN2A	2	166179883	A	C	630	R	H	0.074	Likely Benign
SCN2A	2	166179883	G	C	630	R	P	0.087	Likely Benign
SCN2A	2	166179883	G	T	630	R	L	0.078	Likely Benign
SCN2A	2	166179885	G	A	631	A	T	0.058	Likely Benign
SCN2A	2	166179885	G	C	631	A	P	0.096	Likely Benign
SCN2A	2	166179885	G	T	631	A	S	0.018	Likely Benign
SCN2A	2	166179886	C	A	631	A	D	0.082	Likely Benign
SCN2A	2	166179886	C	G	631	A	G	0.038	Likely Benign
SCN2A	2	166179886	C	T	631	A	V	0.056	Likely Benign
SCN2A	2	166179888	T	A	632	S	T	0.208	Likely Benign
SCN2A	2	166179888	T	C	632	S	P	0.182	Likely Benign
SCN2A	2	166179888	T	G	632	S	A	0.171	Likely Benign
SCN2A	2	166179889	C	A	632	S	Y	0.388	Likely Benign
SCN2A	2	166179889	C	G	632	S	C	0.387	Likely Benign
SCN2A	2	166179889	C	T	632	S	F	0.385	Likely Benign
SCN2A	2	166179891	A	G	633	R	G	0.15	Likely Benign
SCN2A	2	166179891	A	T	633	R	W	0.229	Likely Benign
SCN2A	2	166179892	G	A	633	R	K	0.093	Likely Benign
SCN2A	2	166179892	G	C	633	R	T	0.198	Likely Benign
SCN2A	2	166179892	G	T	633	R	M	0.113	Likely Benign
SCN2A	2	166179893	C	A	633	R	S	0.173	Likely Benign
SCN2A	2	166179893	G	T	633	R	S	0.172	Likely Benign
SCN2A	2	166179894	G	A	634	V	M	0.068	Likely Benign
SCN2A	2	166179894	G	C	634	V	L	0.084	Likely Benign
SCN2A	2	166179894	G	T	634	V	L	0.084	Likely Benign
SCN2A	2	166179895	T	A	634	V	E	0.145	Likely Benign
SCN2A	2	166179895	T	C	634	V	A	0.111	Likely Benign
SCN2A	2	166179895	T	G	634	V	G	0.122	Likely Benign
SCN2A	2	166179897	C	A	635	L	I	0.127	Likely Benign
SCN2A	2	166179897	C	G	635	L	V	0.078	Likely Benign
SCN2A	2	166179897	C	T	635	L	F	0.085	Likely Benign
SCN2A	2	166179898	T	A	635	L	H	0.125	Likely Benign
SCN2A	2	166179898	T	C	635	L	P	0.167	Likely Benign
SCN2A	2	166179898	T	G	635	L	R	0.172	Likely Benign
SCN2A	2	166179900	C	A	636	P	T	0.178	Likely Benign
SCN2A	2	166179900	C	G	636	P	A	0.17	Likely Benign
SCN2A	2	166179900	C	T	636	P	S	0.385	Likely Benign
SCN2A	2	166179901	C	A	636	P	H	0.502	Likely Benign
SCN2A	2	166179901	C	G	636	P	R	0.6	Likely Benign
SCN2A	2	166179901	T	C	636	P	L	0.308	Likely Benign
SCN2A	2	166179903	A	C	637	I	L	0.034	Likely Benign
SCN2A	2	166179903	A	G	637	I	V	0.017	Likely Benign
SCN2A	2	166179903	A	T	637	I	F	0.081	Likely Benign
SCN2A	2	166179904	T	A	637	I	N	0.061	Likely Benign
SCN2A	2	166179904	T	C	637	I	T	0.058	Likely Benign
SCN2A	2	166179904	T	G	637	I	S	0.043	Likely Benign
SCN2A	2	166179905	C	G	637	I	M	0.031	Likely Benign
SCN2A	2	166179906	C	A	638	L	M	0.224	Likely Benign
SCN2A	2	166179906	C	G	638	L	V	0.209	Likely Benign
SCN2A	2	166179907	T	A	638	L	Q	0.296	Likely Benign
SCN2A	2	166179907	T	C	638	L	P	0.358	Likely Benign
SCN2A	2	166179907	T	G	638	L	R	0.218	Likely Benign
SCN2A	2	166179909	C	A	639	P	T	0.181	Likely Benign
SCN2A	2	166179909	C	G	639	P	A	0.124	Likely Benign
SCN2A	2	166179909	C	T	639	P	S	0.124	Likely Benign
SCN2A	2	166179910	A	G	639	P	H	0.271	Likely Benign
SCN2A	2	166179910	C	G	639	P	R	0.148	Likely Benign
SCN2A	2	166179910	C	T	639	P	L	0.143	Likely Benign
SCN2A	2	166179912	A	C	640	M	L	0.05	Likely Benign
SCN2A	2	166179912	A	G	640	M	V	0.019	Likely Benign
SCN2A	2	166179912	A	T	640	M	L	0.05	Likely Benign
SCN2A	2	166179913	T	A	640	M	K	0.06	Likely Benign
SCN2A	2	166179913	T	C	640	M	T	0.06	Likely Benign
SCN2A	2	166179913	T	G	640	M	R	0.071	Likely Benign
SCN2A	2	166179914	G	A	640	M	I	0.053	Likely Benign
SCN2A	2	166179914	G	C	640	M	I	0.053	Likely Benign
SCN2A	2	166179914	G	T	640	M	I	0.053	Likely Benign
SCN2A	2	166179915	A	C	641	N	H	0.159	Likely Benign
SCN2A	2	166179915	A	G	641	N	D	0.25	Likely Benign
SCN2A	2	166179915	A	T	641	N	Y	0.318	Likely Benign
SCN2A	2	166179916	A	C	641	N	T	0.208	Likely Benign
SCN2A	2	166179916	A	G	641	N	S	0.187	Likely Benign
SCN2A	2	166179916	A	T	641	N	I	0.319	Likely Benign
SCN2A	2	166179917	T	A	641	N	K	0.298	Likely Benign
SCN2A	2	166179917	T	G	641	N	K	0.3	Likely Benign
SCN2A	2	166179918	G	A	642	G	R	0.56	Likely Benign
SCN2A	2	166179918	G	C	642	G	R	0.561	Likely Benign
SCN2A	2	166179918	G	T	642	G	W	0.738	Likely Benign
SCN2A	2	166179919	G	A	642	G	E	0.656	Likely Benign
SCN2A	2	166179919	G	C	642	G	A	0.586	Likely Benign
SCN2A	2	166179919	G	T	642	G	V	0.447	Likely Benign
SCN2A	2	166179921	A	C	643	K	Q	0.574	Likely Benign
SCN2A	2	166179921	A	G	643	K	E	0.442	Likely Benign
SCN2A	2	166179921	A	T	643	K	I	0.516	Likely Benign
SCN2A	2	166179922	A	G	643	K	R	0.248	Likely Benign
SCN2A	2	166179922	A	T	643	K	M	0.496	Likely Benign
SCN2A	2	166179923	G	A	643	K	N	0.375	Likely Benign
SCN2A	2	166179923	G	T	643	K	N	0.376	Likely Benign
SCN2A	2	166179924	A	C	644	M	L	0.096	Likely Benign
SCN2A	2	166179924	A	G	644	M	V	0.216	Likely Benign
SCN2A	2	166179924	A	T	644	M	L	0.096	Likely Benign
SCN2A	2	166179925	T	A	644	M	K	0.122	Likely Benign
SCN2A	2	166179925	T	C	644	M	T	0.234	Likely Benign
SCN2A	2	166179925	T	G	644	M	R	0.096	Likely Benign
SCN2A	2	166179926	G	A	644	M	I	0.212	Likely Benign
SCN2A	2	166179926	G	C	644	M	I	0.207	Likely Benign
SCN2A	2	166179926	G	T	644	M	I	0.207	Likely Benign
SCN2A	2	166179927	C	A	645	H	N	0.081	Likely Benign
SCN2A	2	166179927	C	G	645	H	D	0.204	Likely Benign
SCN2A	2	166179927	C	T	645	H	Y	0.195	Likely Benign
SCN2A	2	166179928	A	C	645	H	P	0.327	Likely Benign
SCN2A	2	166179928	A	G	645	H	R	0.165	Likely Benign
SCN2A	2	166179928	A	T	645	H	L	0.333	Likely Benign
SCN2A	2	166179929	T	A	645	H	Q	0.263	Likely Benign
SCN2A	2	166179929	T	G	645	H	Q	0.263	Likely Benign
SCN2A	2	166179930	A	C	646	S	R	0.328	Likely Benign
SCN2A	2	166179930	A	G	646	S	G	0.236	Likely Benign
SCN2A	2	166179930	A	T	646	S	C	0.119	Likely Benign
SCN2A	2	166179931	G	A	646	S	N	0.232	Likely Benign
SCN2A	2	166179931	G	C	646	S	T	0.222	Likely Benign
SCN2A	2	166179931	G	T	646	S	I	0.186	Likely Benign
SCN2A	2	166179932	C	A	646	S	R	0.227	Likely Benign
SCN2A	2	166179932	C	G	646	S	R	0.234	Likely Benign
SCN2A	2	166179933	G	A	647	A	T	0.021	Likely Benign
SCN2A	2	166179933	G	C	647	A	P	0.106	Likely Benign
SCN2A	2	166179933	G	T	647	A	S	0.061	Likely Benign
SCN2A	2	166179934	C	A	647	A	D	0.104	Likely Benign
SCN2A	2	166179934	C	G	647

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166900274	C	A	650	V	L	0.320	Likely Benign
SCN1A	2	166900274	C	G	650	V	L	0.319	Likely Benign
SCN1A	2	166900274	C	T	650	V	M	0.231	Likely Benign
SCN1A	2	166900273	A	C	650	V	G	0.487	Likely Benign
SCN1A	2	166900273	A	G	650	V	A	0.377	Likely Benign
SCN1A	2	166900273	A	T	650	V	E	0.749	Likely Benign
SCN1A	2	166900271	C	A	651	V	F	0.818	Likely Pathoaenic
SCN1A	2	166900271	C	G	651	V	L	0.527	Likely Benign
SCN1A	2	166900271	C	T	651	V	I	0.397	Likely Benign
SCN1A	2	166900270	A	C	651	V	G	0.837	Likely Pathoaenic
SCN1A	2	166900270	A	G	651	V	A	0.567	Likely Benign
SCN1A	2	166900270	A	T	651	V	D	0.871	Likely Pathoaenic
SCN1A	2	166900268	A	C	652	S	A	0.658	Likely Benign
SCN1A	2	166900268	A	G	652	S	P	0.824	Likely Pathoaenic
SCN1A	2	166900268	A	T	652	S	T	0.349	Likely Benign
SCN1A	2	166900267	G	A	652	S	F	0.745	Likely Benign
SCN1A	2	166900267	G	C	652	S	C	0.826	Likely Pathoaenic
SCN1A	2	166900267	G	T	652	S	Y	0.811	Likely Pathoaenic
SCN1A	2	166900265	A	C	653	L	V	0.236	Likely Benign
SCN1A	2	166900265	A	T	653	L	M	0.445	Likely Benign
SCN1A	2	166900264	A	C	653	L	W	0.858	Likely Pathoaenic
SCN1A	2	166900264	A	G	653	L	S	0.854	Likely Pathoaenic
SCN1A	2	166900263	C	A	653	L	F	0.634	Likely Benign
SCN1A	2	166900263	C	G	653	L	F	0.611	Likely Benign
SCN1A	2	166900262	C	A	654	V	F	0.754	Likely Benign
SCN1A	2	166900262	C	G	654	V	L	0.072	Likely Benign
SCN1A	2	166900262	C	T	654	V	I	0.196	Likely Benign
SCN1A	2	166900261	A	C	654	V	G	0.873	Likely Pathoaenic
SCN1A	2	166900261	A	G	654	V	A	0.654	Likely Benign
SCN1A	2	166900261	A	T	654	V	D	0.828	Likely Pathoaenic
SCN1A	2	166900259	C	A	655	G	C	0.781	Likely Benign
SCN1A	2	166900259	C	G	655	G	R	0.562	Likely Benign
SCN1A	2	166900259	C	T	655	G	S	0.184	Likely Benign
SCN1A	2	166900258	A	C	655	G	V	0.785	Likely Pathoaenic
SCN1A	2	166900258	C	G	655	G	A	0.268	Likely Benign
SCN1A	2	166900258	C	T	655	G	D	0.121	Likely Benign
SCN1A	2	166900256	G	C	656	G	R	0.485	Likely Benign
SCN1A	2	166900256	C	T	656	G	R	0.486	Likely Benign
SCN1A	2	166900255	C	A	656	G	V	0.835	Likely Pathoaenic
SCN1A	2	166900255	C	G	656	G	A	0.224	Likely Benign
SCN1A	2	166900255	C	T	656	G	E	0.493	Likely Benign
SCN1A	2	166900253	G	A	657	P	S	0.162	Likely Benign
SCN1A	2	166900253	G	C	657	P	A	0.110	Likely Benign
SCN1A	2	166900253	G	T	657	P	T	0.103	Likely Benign
SCN1A	2	166900252	G	A	657	P	L	0.174	Likely Benign
SCN1A	2	166900252	G	C	657	P	R	0.132	Likely Benign
SCN1A	2	166900252	G	T	657	P	H	0.348	Likely Benign
SCN1A	2	166900250	A	C	658	S	A	0.183	Likely Benign
SCN1A	2	166900250	A	G	658	S	P	0.170	Likely Benign
SCN1A	2	166900250	A	T	658	S	T	0.123	Likely Benign
SCN1A	2	166900249	G	A	658	S	L	0.430	Likely Benign
SCN1A	2	166900247	C	A	659	V	F	0.108	Likely Benign
SCN1A	2	166900247	C	G	659	V	L	0.088	Likely Benign
SCN1A	2	166900247	C	T	659	V	I	0.095	Likely Benign
SCN1A	2	166900246	A	C	659	V	G	0.094	Likely Benign
SCN1A	2	166900246	A	G	659	V	A	0.049	Likely Benign
SCN1A	2	166900246	A	T	659	V	D	0.120	Likely Benign
SCN1A	2	166900244	G	A	660	P	S	0.117	Likely Benign
SCN1A	2	166900244	G	C	660	P	A	0.116	Likely Benign
SCN1A	2	166900244	G	T	660	P	T	0.119	Likely Benign
SCN1A	2	166900243	G	A	660	P	L	0.071	Likely Benign
SCN1A	2	166900243	G	C	660	P	R	0.175	Likely Benign
SCN1A	2	166900243	G	T	660	P	H	0.187	Likely Benign
SCN1A	2	166900241	T	A	661	T	S	0.101	Likely Benign
SCN1A	2	166900241	T	C	661	T	A	0.102	Likely Benign
SCN1A	2	166900241	T	G	661	T	P	0.273	Likely Benign
SCN1A	2	166900240	G	A	661	T	I	0.123	Likely Benign
SCN1A	2	166900240	G	C	661	T	R	0.280	Likely Benign
SCN1A	2	166900240	G	T	661	T	K	0.272	Likely Benign
SCN1A	2	166900238	A	C	662	S	A	0.311	Likely Benign
SCN1A	2	166900238	A	G	662	S	P	0.401	Likely Benign
SCN1A	2	166900238	A	T	662	S	T	0.153	Likely Benign
SCN1A	2	166900237	G	A	662	S	L	0.115	Likely Benign
SCN1A	2	166900237	G	C	662	S	W	0.650	Likely Benign
SCN1A	2	166900235	G	A	663	P	S	0.605	Likely Benign
SCN1A	2	166900235	G	C	663	P	A	0.592	Likely Benign
SCN1A	2	166900235	G	T	663	P	T	0.551	Likely Benign
SCN1A	2	166900234	G	A	663	P	L	0.553	Likely Benign
SCN1A	2	166900234	G	C	663	P	R	0.530	Likely Benign
SCN1A	2	166900234	G	T	663	P	H	0.377	Likely Benign
SCN1A	2	166900232	C	A	664	V	F	0.117	Likely Benign
SCN1A	2	166900232	C	G	664	V	L	0.099	Likely Benign
SCN1A	2	166900232	C	T	664	V	I	0.078	Likely Benign
SCN1A	2	166900231	A	C	664	V	G	0.075	Likely Benign
SCN1A	2	166900231	A	G	664	V	A	0.076	Likely Benign
SCN1A	2	166900231	A	T	664	V	D	0.122	Likely Benign
SCN1A	2	166900229	C	G	665	G	R	0.493	Likely Benign
SCN1A	2	166900229	C	T	665	G	R	0.495	Likely Benign
SCN1A	2	166900228	C	A	665	G	V	0.703	Likely Benign
SCN1A	2	166900228	C	G	665	G	A	0.524	Likely Benign
SCN1A	2	166900228	C	T	665	G	E	0.662	Likely Benign
SCN1A	2	166900226	G	C	666	Q	E	0.088	Likely Benign
SCN1A	2	166900226	G	T	666	Q	K	0.099	Likely Benign
SCN1A	2	166900225	T	A	666	Q	L	0.042	Likely Benign
SCN1A	2	166900225	T	C	666	Q	R	0.065	Likely Benign
SCN1A	2	166900225	T	G	666	Q	P	0.106	Likely Benign
SCN1A	2	166900224	C	A	666	Q	H	0.092	Likely Benign
SCN1A	2	166900224	C	G	666	Q	H	0.092	Likely Benign
SCN1A	2	166900223	G	A	667	L	F	0.589	Likely Benign
SCN1A	2	166900223	G	C	667	L	V	0.167	Likely Benign
SCN1A	2	166900223	G	T	667	L	I	0.413	Likely Benign
SCN1A	2	166900222	A	C	667	L	R	0.616	Likely Benign
SCN1A	2	166900222	A	G	667	L	P	0.309	Likely Benign
SCN1A	2	166900222	A	T	667	L	H	0.676	Likely Benign
SCN1A	2	166900220	G	C	668	L	V	0.129	Likely Benign
SCN1A	2	166900220	G	T	668	L	M	0.229	Likely Benign
SCN1A	2	166900219	A	C	668	L	R	0.726	Likely Benign
SCN1A	2	166900219	A	G	668	L	P	0.433	Likely Benign
SCN1A	2	166900219	A	T	668	L	Q	0.689	Likely Benign
SCN1A	2	166900217	A	G	669	P	S	0.480	Likely Benign
SCN1A	2	166900217	G	C	669	P	A	0.483	Likely Benign
SCN1A	2	166900217	G	T	669	P	T	0.737	Likely Benign
SCN1A	2	166900216	G	A	669	P	L	0.494	Likely Benign
SCN1A	2	166900216	G	C	669	P	R	0.503	Likely Benign
SCN1A	2	166900216	G	T	669	P	Q	0.886	Likely Pathoaenic
SCN1A	2	166900214	C	G	670	E	Q	0.144	Likely Benign
SCN1A	2	166900214	T	A	670	E	K	0.231	Likely Benign
SCN1A	2	166900213	T	A	670	E	V	0.191	Likely Benign
SCN1A	2	166900213	T	C	670	E	G	0.145	Likely Benign
SCN1A	2	166900213	T	G	670	E	A	0.127	Likely Benign
SCN1A	2	166900212	C	A	670	E	D	0.139	Likely Benign
SCN1A	2	166900212	C	G	670	E	D	0.138	Likely Benign
SCN1A	2	166900211	A	C	671	V	L	0.082	Likely Benign
SCN1A	2	166900211	C	G	671	V	L	0.078	Likely Benign
SCN1A	2	166900211	C	T	671	V	M	0.621	Likely Benign
SCN1A	2	166900210	A	C	671	V	G	0.526	Likely Benign
SCN1A	2	166900210	A	G	671	V	A	0.465	Likely Benign
SCN1A	2	166900210	A	T	671	V	E	0.694	Likely Benign
SCN1A	2	166900208	T	A	672	I	L	0.087	Likely Benign
SCN1A	2	166900208	T	C	672	I	V	0.061	Likely Benign
SCN1A	2	166900208	T	G	672	I	L	0.087	Likely Benign
SCN1A	2	166900207	A	C	672	I	R	0.093	Likely Benign
SCN1A	2	166900207	A	G	672	I	T	0.069	Likely Benign
SCN1A	2	166900207	A	T	672	I	K	0.115	Likely Benign
SCN1A	2	166900206	T	C	672	I	M	0.079	Likely Benign
SCN1A	2	166900205	T	A	673	L	Q	0.052	Likely Benign
SCN1A	2	166900205	T	C	673	L	V	0.054	Likely Benign
SCN1A	2	166900205	T	G	673	L	L	0.052	Likely Benign
SCN1A	2	166900204	A	C	673	L	R	0.094	Likely Benign
SCN1A	2	166900204	A	G	673	L	T	0.063	Likely Benign
SCN1A	2	166900204	A	T	673	L	K	0.123	Likely Benign
SCN1A	2	166900203	T	C	673	L	M	0.066	Likely Benign
SCN1A	2	166900202	C	A	674	D	Y	0.156	Likely Benign
SCN1A	2	166900202	C	G	674	D	H	0.174	Likely Benign
SCN1A	2	166900202	C	T	674	D	N	0.125	Likely Benign
SCN1A	2	166900201	T	A	674	D	V	0.082	Likely Benign
SCN1A	2	166900201	T	C	674	D	G	0.068	Likely Benign
SCN1A	2	166900201	T	G	674	D	A	0.116	Likely Benign
SCN1A	2	166900200	A	C	674	D	E	0.037	Likely Benign
SCN1A	2	166900200	A	T	674	D	E	0.037	Likely Benign
SCN1A	2	166900199	T	C	675	K	E	0.127	Likely Benign
SCN1A	2	166900199	T	G	675	K	Q	0.118	Likely Benign
SCN1A	2	166900198	T	A	675	K	M	0.119	Likely Benign
SCN1A	2	166900198	T	C	675	K	R	0.084	Likely Benign
SCN1A	2	166900198	T	G	675	K	T	0.114	Likely Benign
SCN1A	2	166900197	C	A	675	K	N	0.128	Likely Benign
SCN1A	2	166900197	C	G	675	K	N	0.127	Likely Benign
SCN1A	2	166900196	G	A	676	P	S	0.058	Likely Benign
SCN1A	2	166900196	G	C	676	P	A	0.038	Likely Benign
SCN1A	2	166900196	G	T	676	P	L	0.059	Likely Benign
SCN1A	2	166900195	G	A	676	P	L	0.064	Likely Benign
SCN1A	2	166900195	G	C	676	P	R	0.097	Likely Benign
SCN1A	2	166900195	G	T	676	P	Q	0.106	Likely Benign
SCN1A	2	166900193	C	A	677	A	S	0.079	Likely Benign
SCN1A	2	166900193	C	G	677	A	P	0.076	Likely Benign
SCN1A	2	166900193	C	T	677	A	T	0.049	Likely Benign
SCN1A	2	166900192	G	A	677	A	V	0.095	Likely Benign
SCN1A	2	166900192	G	C	677	A	G	0.095	Likely Benign
SCN1A	2	166900192	G	T	677	A	D	0.094	Likely Benign
SCN1A	2	166900190	T	A	678	T	S	0.032	Likely Benign
SCN1A	2	166900190	T	C	678	T	A	0.055	Likely Benign
SCN1A	2	166900190	T	G	678	T	P	0.059	Likely Benign
SCN1A	2	166900189	G	A	678	T	I	0.090	Likely Benign
SCN1A	2	166900189	G	C	678	T	S	0.033	Likely Benign
SCN1A	2	166900189	G	T	678	T	N	0.082	Likely Benign
SCN1A	2	166900187	C	A	679	D	Y	0.563	Likely Benign
SCN1A	2	166900187	C	G	679	D	H	0.531	Likely Benign
SCN1A	2	166900187	C	T	679	D	N	0.291	Likely Benign
SCN1A	2	166900186	T	A	679	D	V	0.409	Likely Benign
SCN1A	2	166900186	T	C	679	D	G	0.190	Likely Benign
SCN1A	2	166900186	T	G	679	D	A	0.220	Likely Benign
SCN1A	2	166900185	A	C	679	D	E	0.169	Likely Benign
SCN1A	2	166900185	A	T	679	D	E	0.177	Likely Benign
SCN1A	2	166900184	C	A	680	D	Y	0.772	Likely Benign
SCN1A	2	166900184	C	G	680	D	H	0.764	Likely Benign
SCN1A	2	166900184	C	T	680	D	N	0.187	Likely Benign
SCN1A	2	166900183	T	A	680	D	V	0.466	Likely Benign

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166179940	A	G	649	D	G	0.686	Likely Benign
SCN2A	2	166179940	A	T	649	D	V	0.885	Likely Pathogenic
SCN2A	2	166179941	C	A	649	D	E	0.214	Likely Benign
SCN2A	2	166179941	C	G	649	D	E	0.214	Likely Benign
SCN2A	2	166179942	T	A	650	C	S	0.344	Likely Benign
SCN2A	2	166179942	T	C	650	C	R	0.602	Likely Benign
SCN2A	2	166179942	T	G	650	C	G	0.763	Likely Benign
SCN2A	2	166179943	G	A	650	C	Y	0.635	Likely Benign
SCN2A	2	166179943	G	C	650	C	S	0.211	Likely Benign
SCN2A	2	166179943	G	T	650	C	F	0.674	Likely Benign
SCN2A	2	166179944	C	G	650	C	W	0.787	Likely Pathogenic
SCN2A	2	166179945	A	C	651	N	H	0.8	Likely Pathogenic
SCN2A	2	166179945	A	G	651	N	D	0.747	Likely Benign
SCN2A	2	166179945	A	T	651	N	Y	0.879	Likely Pathogenic
SCN2A	2	166179946	G	C	651	N	T	0.768	Likely Benign
SCN2A	2	166179946	A	G	651	N	S	0.449	Likely Benign
SCN2A	2	166179946	A	T	651	N	I	0.89	Likely Pathogenic
SCN2A	2	166179947	T	A	651	N	K	0.499	Likely Benign
SCN2A	2	166179947	T	G	651	N	K	0.517	Likely Benign
SCN2A	2	166179948	G	A	652	G	S	0.751	Likely Benign
SCN2A	2	166179948	G	C	652	G	R	0.753	Likely Benign
SCN2A	2	166179948	G	T	652	G	C	0.789	Likely Pathogenic
SCN2A	2	166179949	G	A	652	G	D	0.834	Likely Pathogenic
SCN2A	2	166179949	G	C	652	G	A	0.823	Likely Pathogenic
SCN2A	2	166179949	G	T	652	G	V	0.668	Likely Benign
SCN2A	2	166179951	G	A	653	V	M	0.272	Likely Benign
SCN2A	2	166179951	G	C	653	V	L	0.317	Likely Benign
SCN2A	2	166179951	G	T	653	V	L	0.319	Likely Benign
SCN2A	2	166179952	T	A	653	V	E	0.665	Likely Benign
SCN2A	2	166179952	T	C	653	V	A	0.458	Likely Benign
SCN2A	2	166179952	T	G	653	V	G	0.757	Likely Benign
SCN2A	2	166179954	G	A	654	V	I	0.32	Likely Benign
SCN2A	2	166179954	G	C	654	V	L	0.434	Likely Benign
SCN2A	2	166179954	G	T	654	V	F	0.52	Likely Benign
SCN2A	2	166179955	T	A	654	V	D	0.782	Likely Benign
SCN2A	2	166179955	T	C	654	V	A	0.642	Likely Benign
SCN2A	2	166179955	T	G	654	V	G	0.863	Likely Pathogenic
SCN2A	2	166179957	T	A	655	S	T	0.654	Likely Benign
SCN2A	2	166179957	T	C	655	S	P	0.658	Likely Benign
SCN2A	2	166179957	T	G	655	S	A	0.767	Likely Benign
SCN2A	2	166179958	C	A	655	S	C	0.701	Likely Benign
SCN2A	2	166179958	C	G	655	S	C	0.434	Likely Benign
SCN2A	2	166179958	C	T	655	S	F	0.704	Likely Benign
SCN2A	2	166179960	A	C	656	L	M	0.573	Likely Benign
SCN2A	2	166179960	C	G	656	L	V	0.238	Likely Benign
SCN2A	2	166179961	T	A	656	L	Q	0.67	Likely Benign
SCN2A	2	166179961	T	C	656	L	P	0.868	Likely Pathogenic
SCN2A	2	166179961	T	G	656	L	R	0.808	Likely Pathogenic
SCN2A	2	166179963	G	A	657	V	I	0.085	Likely Benign
SCN2A	2	166179963	G	C	657	V	L	0.086	Likely Benign
SCN2A	2	166179963	G	T	657	V	F	0.397	Likely Benign
SCN2A	2	166179964	T	A	657	V	D	0.618	Likely Benign
SCN2A	2	166179964	T	C	657	V	A	0.311	Likely Benign
SCN2A	2	166179964	T	G	657	V	G	0.662	Likely Benign
SCN2A	2	166179966	G	A	658	G	R	0.334	Likely Benign
SCN2A	2	166179966	G	C	658	G	R	0.337	Likely Benign
SCN2A	2	166179966	G	T	658	G	W	0.603	Likely Benign
SCN2A	2	166179967	G	A	658	G	E	0.272	Likely Benign
SCN2A	2	166179967	G	C	658	G	A	0.154	Likely Benign
SCN2A	2	166179967	G	T	658	G	V	0.146	Likely Benign
SCN2A	2	166179969	G	A	659	G	S	0.098	Likely Benign
SCN2A	2	166179969	G	C	659	G	R	0.198	Likely Benign
SCN2A	2	166179969	G	T	659	G	C	0.257	Likely Benign
SCN2A	2	166179970	G	A	659	G	D	0.206	Likely Benign
SCN2A	2	166179970	G	C	659	G	A	0.098	Likely Benign
SCN2A	2	166179970	G	T	659	G	V	0.132	Likely Benign
SCN2A	2	166179972	C	A	660	P	T	0.078	Likely Benign
SCN2A	2	166179972	C	G	660	P	A	0.096	Likely Benign
SCN2A	2	166179972	C	T	660	P	S	0.059	Likely Benign
SCN2A	2	166179973	C	A	660	P	H	0.135	Likely Benign
SCN2A	2	166179973	C	G	660	P	R	0.083	Likely Benign
SCN2A	2	166179973	C	T	660	P	L	0.078	Likely Benign
SCN2A	2	166179975	T	A	661	S	T	0.084	Likely Benign
SCN2A	2	166179975	T	C	661	S	P	0.089	Likely Benign
SCN2A	2	166179975	T	G	661	S	A	0.096	Likely Benign
SCN2A	2	166179976	C	A	661	S	C	0.163	Likely Benign
SCN2A	2	166179976	C	G	661	S	C	0.175	Likely Benign
SCN2A	2	166179976	C	T	661	S	F	0.164	Likely Benign
SCN2A	2	166179978	A	C	662	T	P	0.017	Likely Benign
SCN2A	2	166179978	A	G	662	T	A	0.042	Likely Benign
SCN2A	2	166179978	A	T	662	T	S	0.054	Likely Benign
SCN2A	2	166179979	A	C	662	T	N	0.063	Likely Benign
SCN2A	2	166179979	C	G	662	T	S	0.049	Likely Benign
SCN2A	2	166179979	C	T	662	T	I	0.062	Likely Benign
SCN2A	2	166179981	A	G	663	L	I	0.029	Likely Benign
SCN2A	2	166179981	C	G	663	L	V	0.046	Likely Benign
SCN2A	2	166179981	C	T	663	L	F	0.047	Likely Benign
SCN2A	2	166179982	A	G	663	L	H	0.047	Likely Benign
SCN2A	2	166179982	T	C	663	L	P	0.027	Likely Benign
SCN2A	2	166179982	T	G	663	L	R	0.045	Likely Benign
SCN2A	2	166179984	A	C	664	T	P	0.039	Likely Benign
SCN2A	2	166179984	A	G	664	T	A	0.054	Likely Benign
SCN2A	2	166179984	A	T	664	T	S	0.008	Likely Benign
SCN2A	2	166179985	A	C	664	T	W	0.056	Likely Benign
SCN2A	2	166179985	C	G	664	T	R	0.06	Likely Benign
SCN2A	2	166179985	C	T	664	T	I	0.047	Likely Benign
SCN2A	2	166179987	T	A	665	S	T	0.078	Likely Benign
SCN2A	2	166179987	T	C	665	S	P	0.012	Likely Benign
SCN2A	2	166179987	T	G	665	S	A	0.06	Likely Benign
SCN2A	2	166179988	C	A	665	S	Y	0.199	Likely Benign
SCN2A	2	166179988	C	G	665	S	C	0.163	Likely Benign
SCN2A	2	166179988	C	T	665	S	F	0.2	Likely Benign
SCN2A	2	166179990	G	A	666	A	T	0.024	Likely Benign
SCN2A	2	166179990	G	C	666	A	P	0.079	Likely Benign
SCN2A	2	166179990	G	T	666	A	S	0.043	Likely Benign
SCN2A	2	166179991	C	A	666	A	D	0.087	Likely Benign
SCN2A	2	166179991	C	G	666	A	G	0.04	Likely Benign
SCN2A	2	166179991	C	T	666	A	V	0.027	Likely Benign
SCN2A	2	166179993	G	A	667	G	R	0.295	Likely Benign
SCN2A	2	166179993	G	C	667	G	R	0.293	Likely Benign
SCN2A	2	166179993	G	T	667	G	W	0.555	Likely Benign
SCN2A	2	166179994	G	A	667	G	E	0.338	Likely Benign
SCN2A	2	166179994	G	C	667	G	A	0.167	Likely Benign
SCN2A	2	166179994	G	T	667	G	V	0.294	Likely Benign
SCN2A	2	166179996	C	A	668	Q	K	0.104	Likely Benign
SCN2A	2	166179996	C	G	668	Q	E	0.082	Likely Benign
SCN2A	2	166179996	C	T	668	Q	P	0.079	Likely Benign
SCN2A	2	166179997	A	G	668	Q	R	0.058	Likely Benign
SCN2A	2	166179997	A	T	668	Q	L	0.045	Likely Benign
SCN2A	2	166179998	G	C	668	Q	H	0.076	Likely Benign
SCN2A	2	166179998	G	T	668	Q	H	0.076	Likely Benign
SCN2A	2	166179999	C	A	669	L	I	0.127	Likely Benign
SCN2A	2	166179999	C	G	669	L	V	0.185	Likely Benign
SCN2A	2	166179999	C	T	669	L	F	0.281	Likely Benign
SCN2A	2	166180000	T	A	669	L	H	0.478	Likely Benign
SCN2A	2	166180000	T	C	669	L	P	0.163	Likely Benign
SCN2A	2	166180000	T	G	669	L	R	0.364	Likely Benign
SCN2A	2	166180002	C	A	670	L	I	0.247	Likely Benign
SCN2A	2	166180002	C	G	670	L	V	0.252	Likely Benign
SCN2A	2	166180003	T	A	670	L	Q	0.317	Likely Benign
SCN2A	2	166180003	T	C	670	L	P	0.162	Likely Benign
SCN2A	2	166180003	T	G	670	L	R	0.308	Likely Benign
SCN2A	2	166180005	A	C	671	P	T	0.487	Likely Benign
SCN2A	2	166180005	C	G	671	P	A	0.271	Likely Benign
SCN2A	2	166180005	C	T	671	P	S	0.229	Likely Benign
SCN2A	2	166180006	A	C	671	P	Q	0.503	Likely Benign
SCN2A	2	166180006	C	G	671	P	R	0.302	Likely Benign
SCN2A	2	166180006	C	T	671	P	L	0.265	Likely Benign
SCN2A	2	166180008	A	C	672	E	K	0.226	Likely Benign
SCN2A	2	166180008	G	C	672	E	Q	0.113	Likely Benign
SCN2A	2	166180009	A	C	672	E	A	0.264	Likely Benign
SCN2A	2	166180009	A	G	672	E	G	0.449	Likely Benign
SCN2A	2	166180009	A	T	672	E	V	0.586	Likely Benign
SCN2A	2	166183362	G	A	673	G	S	0.235	Likely Benign
SCN2A	2	166183362	G	C	673	G	R	0.445	Likely Benign
SCN2A	2	166183362	G	T	673	G	C	0.243	Likely Benign
SCN2A	2	166183363	G	A	673	G	D	0.108	Likely Benign
SCN2A	2	166183363	G	C	673	G	A	0.136	Likely Benign
SCN2A	2	166183363	G	T	673	G	V	0.098	Likely Benign
SCN2A	2	166183365	A	C	674	T	P	0.126	Likely Benign
SCN2A	2	166183365	A	G	674	T	A	0.155	Likely Benign
SCN2A	2	166183365	A	T	674	T	S	0.092	Likely Benign
SCN2A	2	166183366	C	A	674	T	K	0.217	Likely Benign
SCN2A	2	166183366	C	G	674	T	R	0.27	Likely Benign
SCN2A	2	166183366	C	T	674	T	I	0.246	Likely Benign
SCN2A	2	166183368	A	C	675	T	P	0.14	Likely Benign
SCN2A	2	166183368	A	G	675	T	A	0.197	Likely Benign
SCN2A	2	166183368	A	T	675	T	S	0.254	Likely Benign
SCN2A	2	166183369	C	A	675	T	N	0.126	Likely Benign
SCN2A	2	166183369	C	G	675	T	S	0.223	Likely Benign
SCN2A	2	166183369	C	T	675	T	I	0.168	Likely Benign
SCN2A	2	166183371	A	C	676	T	P	0.354	Likely Benign
SCN2A	2	166183371	A	G	676	T	A	0.214	Likely Benign
SCN2A	2	166183371	A	T	676	T	S	0.151	Likely Benign
SCN2A	2	166183372	C	A	676	T	N	0.103	Likely Benign
SCN2A	2	166183372	C	G	676	T	S	0.146	Likely Benign
SCN2A	2	166183372	C	T	676	T	I	0.18	Likely Benign
SCN2A	2	166183374	G	A	677	E	K	0.118	Likely Benign
SCN2A	2	166183374	G	C	677	E	Q	0.107	Likely Benign
SCN2A	2	166183375	A	C	677	E	A	0.366	Likely Benign
SCN2A	2	166183375	A	G	677	E	G	0.358	Likely Benign
SCN2A	2	166183375	A	T	677	E	V	0.408	Likely Benign
SCN2A	2	166183376	A	C	677	E	D	0.08	Likely Benign
SCN2A	2	166183376	A	G	677	E	D	0.08	Likely Benign
SCN2A	2	166183377	A	C	678	T	P	0.137	Likely Benign
SCN2A	2	166183377	A	G	678	T	A	0.139	Likely Benign
SCN2A	2	166183377	A	T	678	T	S	0.075	Likely Benign
SCN2A	2	166183378	C	A	678	T	K	0.142

GENE	CHR	DNA_LOC	REF_N	ALT_NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166900183	T	C	680	D	G	0.160	Likely Benien
SCN1A	2	166900183	T	G	680	D	A	0.165	Likely Benien
SCN1A	2	166900182	G	C	680	D	E	0.220	Likely Benien
SCN1A	2	166900182	G	T	680	D	E	0.222	Likely Benien
SCN1A	2	166900181	T	A	681	N	Y	0.086	Likely Benien
SCN1A	2	166900181	T	C	681	N	D	0.029	Likely Benien
SCN1A	2	166900181	T	G	681	N	H	0.046	Likely Benien
SCN1A	2	166900180	T	A	681	N	I	0.072	Likely Benien
SCN1A	2	166900180	T	C	681	N	S	0.053	Likely Benien
SCN1A	2	166900180	T	G	681	N	T	0.044	Likely Benien
SCN1A	2	166900179	A	C	681	N	K	0.064	Likely Benien
SCN1A	2	166900179	A	T	681	N	K	0.064	Likely Benien
SCN1A	2	166898933	C	A	682	G	V	0.138	Likely Benien
SCN1A	2	166898933	C	G	682	G	A	0.106	Likely Benien
SCN1A	2	166898933	C	T	682	G	E	0.134	Likely Benien
SCN1A	2	166898931	T	A	683	T	S	0.098	Likely Benien
SCN1A	2	166898931	T	C	683	T	A	0.098	Likely Benien
SCN1A	2	166898931	T	G	683	T	P	0.155	Likely Benien
SCN1A	2	166898930	G	A	683	T	I	0.177	Likely Benien
SCN1A	2	166898930	G	C	683	T	R	0.172	Likely Benien
SCN1A	2	166898930	G	T	683	T	K	0.154	Likely Benien
SCN1A	2	166898928	T	A	684	T	S	0.475	Likely Benien
SCN1A	2	166898928	T	C	684	T	A	0.176	Likely Benien
SCN1A	2	166898928	T	G	684	T	P	0.164	Likely Benien
SCN1A	2	166898927	G	A	684	T	I	0.614	Likely Benien
SCN1A	2	166898927	G	C	684	T	S	0.542	Likely Benien
SCN1A	2	166898927	G	T	684	T	N	0.273	Likely Benien
SCN1A	2	166898925	T	A	685	T	S	0.166	Likely Benien
SCN1A	2	166898925	T	C	685	T	A	0.291	Likely Benien
SCN1A	2	166898925	T	G	685	T	P	0.403	Likely Benien
SCN1A	2	166898924	G	A	685	T	I	0.550	Likely Benien
SCN1A	2	166898924	G	C	685	T	S	0.236	Likely Benien
SCN1A	2	166898924	G	T	685	T	N	0.203	Likely Benien
SCN1A	2	166898922	C	G	686	E	Q	0.128	Likely Benien
SCN1A	2	166898922	C	T	686	E	K	0.160	Likely Benien
SCN1A	2	166898921	T	A	686	E	V	0.526	Likely Benien
SCN1A	2	166898921	T	C	686	E	G	0.441	Likely Benien
SCN1A	2	166898921	T	G	686	E	A	0.411	Likely Benien
SCN1A	2	166898920	T	A	686	E	D	0.091	Likely Benien
SCN1A	2	166898920	T	G	686	E	D	0.091	Likely Benien
SCN1A	2	166898919	T	A	687	T	S	0.091	Likely Benien
SCN1A	2	166898919	T	C	687	T	A	0.134	Likely Benien
SCN1A	2	166898919	T	G	687	T	P	0.151	Likely Benien
SCN1A	2	166898918	G	A	687	T	I	0.103	Likely Benien
SCN1A	2	166898918	G	C	687	T	S	0.095	Likely Benien
SCN1A	2	166898918	G	T	687	T	N	0.101	Likely Benien
SCN1A	2	166898916	G	C	688	E	Q	0.151	Likely Benien
SCN1A	2	166898916	C	T	688	E	K	0.441	Likely Benien
SCN1A	2	166898915	T	A	688	E	V	0.301	Likely Benien
SCN1A	2	166898915	T	C	688	E	G	0.236	Likely Benien
SCN1A	2	166898915	T	G	688	E	A	0.298	Likely Benien
SCN1A	2	166898914	T	A	688	E	D	0.075	Likely Benien
SCN1A	2	166898914	T	G	688	E	D	0.075	Likely Benien
SCN1A	2	166898913	T	A	689	M	L	0.043	Likely Benien
SCN1A	2	166898913	T	C	689	M	V	0.044	Likely Benien
SCN1A	2	166898913	T	G	689	M	L	0.043	Likely Benien
SCN1A	2	166898912	A	C	689	M	R	0.093	Likely Benien
SCN1A	2	166898912	A	G	689	M	T	0.073	Likely Benien
SCN1A	2	166898912	A	T	689	M	K	0.093	Likely Benien
SCN1A	2	166898911	C	A	689	M	I	0.025	Likely Benien
SCN1A	2	166898911	C	G	689	M	I	0.026	Likely Benien
SCN1A	2	166898911	C	T	689	M	I	0.025	Likely Benien
SCN1A	2	166898910	T	C	690	R	G	0.144	Likely Benien
SCN1A	2	166898909	C	A	690	R	I	0.215	Likely Benien
SCN1A	2	166898909	C	G	690	R	T	0.185	Likely Benien
SCN1A	2	166898909	C	T	690	R	K	0.051	Likely Benien
SCN1A	2	166898908	T	A	690	R	S	0.203	Likely Benien
SCN1A	2	166898908	T	G	690	R	S	0.199	Likely Benien
SCN1A	2	166898907	C	T	691	K	E	0.140	Likely Benien
SCN1A	2	166898907	T	G	691	K	Q	0.156	Likely Benien
SCN1A	2	166898906	T	A	691	K	M	0.489	Likely Benien
SCN1A	2	166898906	T	C	691	K	R	0.146	Likely Benien
SCN1A	2	166898906	T	G	691	K	T	0.409	Likely Benien
SCN1A	2	166898905	C	A	691	K	N	0.367	Likely Benien
SCN1A	2	166898905	C	G	691	K	N	0.353	Likely Benien
SCN1A	2	166898904	T	C	692	R	G	0.599	Likely Benien
SCN1A	2	166898903	C	A	692	R	I	0.859	Likely Pathoeenic
SCN1A	2	166898903	C	G	692	R	T	0.424	Likely Benien
SCN1A	2	166898903	C	T	692	R	K	0.319	Likely Benien
SCN1A	2	166898902	T	A	692	R	S	0.436	Likely Benien
SCN1A	2	166898902	T	G	692	R	S	0.437	Likely Benien
SCN1A	2	166898901	A	C	693	R	W	0.408	Likely Benien
SCN1A	2	166898901	T	C	693	R	G	0.117	Likely Benien
SCN1A	2	166898900	C	A	693	R	M	0.144	Likely Benien
SCN1A	2	166898900	C	G	693	R	T	0.231	Likely Benien
SCN1A	2	166898900	C	T	693	R	K	0.087	Likely Benien
SCN1A	2	166898899	C	A	693	R	S	0.144	Likely Benien
SCN1A	2	166898899	C	G	693	R	S	0.144	Likely Benien
SCN1A	2	166898898	A	C	694	S	A	0.165	Likely Benien
SCN1A	2	166898898	A	G	694	S	P	0.099	Likely Benien
SCN1A	2	166898898	A	T	694	S	T	0.166	Likely Benien
SCN1A	2	166898897	G	A	694	S	L	0.094	Likely Benien
SCN1A	2	166898895	T	A	695	S	C	0.518	Likely Benien
SCN1A	2	166898895	T	C	695	S	G	0.082	Likely Benien
SCN1A	2	166898895	T	G	695	S	R	0.228	Likely Benien
SCN1A	2	166898894	C	A	695	S	I	0.377	Likely Benien
SCN1A	2	166898894	C	G	695	S	T	0.152	Likely Benien
SCN1A	2	166898894	C	T	695	S	N	0.126	Likely Benien
SCN1A	2	166898893	A	C	695	S	R	0.223	Likely Benien
SCN1A	2	166898893	A	T	695	S	R	0.223	Likely Benien
SCN1A	2	166898892	A	C	696	S	A	0.356	Likely Benien
SCN1A	2	166898892	A	G	696	S	P	0.115	Likely Benien
SCN1A	2	166898892	A	T	696	S	T	0.353	Likely Benien
SCN1A	2	166898891	G	A	696	S	F	0.219	Likely Benien
SCN1A	2	166898891	G	C	696	S	C	0.201	Likely Benien
SCN1A	2	166898891	G	T	696	S	Y	0.567	Likely Benien
SCN1A	2	166898889	A	C	697	F	V	0.071	Likely Benien
SCN1A	2	166898889	A	G	697	F	L	0.028	Likely Benien
SCN1A	2	166898889	A	T	697	F	I	0.076	Likely Benien
SCN1A	2	166898888	A	C	697	F	C	0.103	Likely Benien
SCN1A	2	166898888	A	G	697	F	S	0.089	Likely Benien
SCN1A	2	166898888	A	T	697	F	Y	0.014	Likely Benien
SCN1A	2	166898887	G	C	697	F	L	0.027	Likely Benien
SCN1A	2	166898887	G	T	697	F	L	0.027	Likely Benien
SCN1A	2	166898886	G	A	698	H	Y	0.144	Likely Benien
SCN1A	2	166898886	G	C	698	H	D	0.116	Likely Benien
SCN1A	2	166898886	G	T	698	H	N	0.133	Likely Benien
SCN1A	2	166898885	T	A	698	H	L	0.060	Likely Benien
SCN1A	2	166898885	T	C	698	H	R	0.085	Likely Benien
SCN1A	2	166898885	T	G	698	H	P	0.108	Likely Benien
SCN1A	2	166898884	G	C	698	H	Q	0.034	Likely Benien
SCN1A	2	166898884	G	T	698	H	Q	0.034	Likely Benien
SCN1A	2	166898883	C	A	699	V	F	0.143	Likely Benien
SCN1A	2	166898883	C	G	699	V	L	0.057	Likely Benien
SCN1A	2	166898883	C	T	699	V	I	0.062	Likely Benien
SCN1A	2	166898882	A	C	699	V	G	0.191	Likely Benien
SCN1A	2	166898882	A	G	699	V	A	0.131	Likely Benien
SCN1A	2	166898882	A	T	699	V	D	0.220	Likely Benien
SCN1A	2	166898880	A	C	700	S	A	0.439	Likely Benien
SCN1A	2	166898880	A	G	700	S	P	0.156	Likely Benien
SCN1A	2	166898880	A	T	700	S	T	0.331	Likely Benien
SCN1A	2	166898879	G	A	700	S	F	0.529	Likely Benien
SCN1A	2	166898879	G	C	700	S	C	0.327	Likely Benien
SCN1A	2	166898879	G	T	700	S	Y	0.553	Likely Benien
SCN1A	2	166898877	T	A	701	M	L	0.085	Likely Benien
SCN1A	2	166898877	T	C	701	M	V	0.081	Likely Benien
SCN1A	2	166898877	T	G	701	M	L	0.085	Likely Benien
SCN1A	2	166898876	A	C	701	M	R	0.283	Likely Benien
SCN1A	2	166898876	A	G	701	M	T	0.103	Likely Benien
SCN1A	2	166898876	A	T	701	M	K	0.150	Likely Benien
SCN1A	2	166898875	C	A	701	M	I	0.163	Likely Benien
SCN1A	2	166898875	C	G	701	M	I	0.154	Likely Benien
SCN1A	2	166898875	C	T	701	M	I	0.162	Likely Benien
SCN1A	2	166898874	C	A	702	D	Y	0.873	Likely Pathoeenic
SCN1A	2	166898874	C	G	702	D	H	0.906	Likely Pathoeenic
SCN1A	2	166898874	C	T	702	D	N	0.893	Likely Pathoeenic
SCN1A	2	166898873	T	A	702	D	V	0.914	Likely Pathoeenic
SCN1A	2	166898873	T	C	702	D	G	0.579	Likely Benien
SCN1A	2	166898873	T	G	702	D	A	0.784	Likely Pathoeenic
SCN1A	2	166898872	G	C	702	D	E	0.099	Likely Benien
SCN1A	2	166898872	G	T	702	D	E	0.100	Likely Benien
SCN1A	2	166898871	A	C	703	F	V	0.051	Likely Benien
SCN1A	2	166898871	A	G	703	F	L	0.019	Likely Benien
SCN1A	2	166898871	A	T	703	F	I	0.077	Likely Benien
SCN1A	2	166898870	A	C	703	F	C	0.106	Likely Benien
SCN1A	2	166898870	A	G	703	F	S	0.098	Likely Benien
SCN1A	2	166898870	A	T	703	F	Y	0.024	Likely Benien
SCN1A	2	166898869	A	C	703	F	L	0.019	Likely Benien
SCN1A	2	166898869	A	T	703	F	L	0.019	Likely Benien
SCN1A	2	166898868	G	C	704	L	V	0.431	Likely Benien
SCN1A	2	166898868	G	T	704	L	I	0.253	Likely Benien
SCN1A	2	166898867	A	C	704	L	R	0.884	Likely Pathoeenic
SCN1A	2	166898867	A	G	704	L	P	0.939	Likely Pathoeenic
SCN1A	2	166898867	A	T	704	L	Q	0.816	Likely Pathoeenic
SCN1A	2	166898865	C	G	705	E	Q	0.286	Likely Benien
SCN1A	2	166898865	C	T	705	E	K	0.574	Likely Benien
SCN1A	2	166898864	T	A	705	E	V	0.754	Likely Benien
SCN1A	2	166898864	T	C	705	E	G	0.659	Likely Benien
SCN1A	2	166898864	T	G	705	E	A	0.365	Likely Benien
SCN1A	2	166898863	T	A	705	E	D	0.086	Likely Benien
SCN1A	2	166898863	T	G	705	E	D	0.086	Likely Benien
SCN1A	2	166898862	C	A	706	D	Y	0.564	Likely Benien
SCN1A	2	166898862	C	G	706	D	H	0.508	Likely Benien
SCN1A	2	166898862	C	T	706	D	N	0.371	Likely Benien
SCN1A	2	166898861	T	A	706	D	V	0.624	Likely Benien
SCN1A	2	166898861	T	C	706	D	G	0.247	Likely Benien
SCN1A	2	166898861	T	G	706	D	A	0.176	Likely Benien
SCN1A	2	166898860	A	C	706	D	E	0.053	Likely Benien
SCN1A	2	166898860	A	T	706	D	E	0.053	Likely Benien
SCN1A	2	166898859	G	A	707	P	S	0.104	Likely Benien
SCN1A	2	166898859	G	C	707	P	A	0.330	Likely Benien
SCN1A	2	166898859	G	T	707	P	T	0.129	Likely Benien
SCN1A	2	166898858	G	A	707	P	L	0.668	Likely Benien
SCN1A	2	166898858	G	C	707	P	R	0.626	Likely Benien
SCN1A	2	166898858	G	T	707	P	H	0.520	Likely Benien
SCN1A	2	166898856	A	C	708	S	A	0.058	Likely Benien
SCN1A	2	166898856	A	G	708	S	P	0.101	Likely Benien

GENE	CHR	DNA_LOC	REF_N	ALT_NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166183383	A	C	680	I	L	0.065	Likely Benign
SCN2A	2	166183383	A	G	680	I	V	0.055	Likely Benign
SCN2A	2	166183383	A	T	680	I	L	0.065	Likely Benign
SCN2A	2	166183384	T	A	680	I	K	0.1	Likely Benign
SCN2A	2	166183384	T	C	680	I	T	0.091	Likely Benign
SCN2A	2	166183384	T	G	680	I	R	0.104	Likely Benign
SCN2A	2	166183385	A	G	680	I	M	0.076	Likely Benign
SCN2A	2	166183386	A	G	681	R	G	0.126	Likely Benign
SCN2A	2	166183387	G	A	681	R	K	0.043	Likely Benign
SCN2A	2	166183387	G	C	681	R	T	0.201	Likely Benign
SCN2A	2	166183387	G	T	681	R	I	0.235	Likely Benign
SCN2A	2	166183388	A	C	681	R	S	0.19	Likely Benign
SCN2A	2	166183388	A	T	681	R	S	0.19	Likely Benign
SCN2A	2	166183389	A	C	682	K	Q	0.184	Likely Benign
SCN2A	2	166183389	A	G	682	K	E	0.143	Likely Benign
SCN2A	2	166183390	A	C	682	K	T	0.23	Likely Benign
SCN2A	2	166183390	A	G	682	K	R	0.17	Likely Benign
SCN2A	2	166183390	A	T	682	K	M	0.426	Likely Benign
SCN2A	2	166183391	G	C	682	K	N	0.27	Likely Benign
SCN2A	2	166183391	G	T	682	K	N	0.269	Likely Benign
SCN2A	2	166183392	A	G	683	R	G	0.387	Likely Benign
SCN2A	2	166183393	G	A	683	R	K	0.176	Likely Benign
SCN2A	2	166183393	G	C	683	R	T	0.252	Likely Benign
SCN2A	2	166183393	G	T	683	R	I	0.435	Likely Benign
SCN2A	2	166183394	A	C	683	R	S	0.337	Likely Benign
SCN2A	2	166183394	A	T	683	R	S	0.337	Likely Benign
SCN2A	2	166183395	C	G	684	R	G	0.109	Likely Benign
SCN2A	2	166183395	C	T	684	R	W	0.307	Likely Benign
SCN2A	2	166183396	G	A	684	R	Q	0.189	Likely Benign
SCN2A	2	166183396	G	C	684	R	P	0.095	Likely Benign
SCN2A	2	166183396	G	T	684	R	L	0.087	Likely Benign
SCN2A	2	166183398	T	A	685	S	T	0.161	Likely Benign
SCN2A	2	166183398	T	C	685	S	P	0.083	Likely Benign
SCN2A	2	166183398	T	G	685	S	A	0.173	Likely Benign
SCN2A	2	166183399	C	A	685	S	Y	0.17	Likely Benign
SCN2A	2	166183399	C	G	685	S	C	0.094	Likely Benign
SCN2A	2	166183399	C	T	685	S	F	0.156	Likely Benign
SCN2A	2	166183401	A	C	686	S	R	0.251	Likely Benign
SCN2A	2	166183401	A	G	686	S	G	0.074	Likely Benign
SCN2A	2	166183401	A	T	686	S	C	0.511	Likely Benign
SCN2A	2	166183402	G	A	686	S	N	0.099	Likely Benign
SCN2A	2	166183402	G	C	686	S	T	0.136	Likely Benign
SCN2A	2	166183402	G	T	686	S	I	0.362	Likely Benign
SCN2A	2	166183403	T	A	686	S	R	0.27	Likely Benign
SCN2A	2	166183403	T	G	686	S	R	0.263	Likely Benign
SCN2A	2	166183404	T	A	687	S	T	0.275	Likely Benign
SCN2A	2	166183404	T	C	687	S	P	0.149	Likely Benign
SCN2A	2	166183404	T	G	687	S	A	0.268	Likely Benign
SCN2A	2	166183405	C	A	687	S	Y	0.31	Likely Benign
SCN2A	2	166183405	C	G	687	S	C	0.107	Likely Benign
SCN2A	2	166183405	C	T	687	S	F	0.143	Likely Benign
SCN2A	2	166183407	T	A	688	Y	N	0.084	Likely Benign
SCN2A	2	166183407	T	C	688	Y	H	0.075	Likely Benign
SCN2A	2	166183407	T	G	688	Y	D	0.272	Likely Benign
SCN2A	2	166183408	A	C	688	Y	S	0.217	Likely Benign
SCN2A	2	166183408	A	T	688	Y	C	0.283	Likely Benign
SCN2A	2	166183408	A	T	688	Y	F	0.096	Likely Benign
SCN2A	2	166183410	C	A	689	H	N	0.082	Likely Benign
SCN2A	2	166183410	C	G	689	H	D	0.078	Likely Benign
SCN2A	2	166183410	C	T	689	H	Y	0.083	Likely Benign
SCN2A	2	166183411	A	C	689	H	P	0.087	Likely Benign
SCN2A	2	166183411	A	G	689	H	R	0.076	Likely Benign
SCN2A	2	166183411	A	T	689	H	L	0.051	Likely Benign
SCN2A	2	166183412	T	A	689	H	Q	0.037	Likely Benign
SCN2A	2	166183412	T	G	689	H	Q	0.037	Likely Benign
SCN2A	2	166183413	G	A	690	V	I	0.058	Likely Benign
SCN2A	2	166183413	G	C	690	V	L	0.054	Likely Benign
SCN2A	2	166183413	G	T	690	V	F	0.106	Likely Benign
SCN2A	2	166183414	A	C	690	V	D	0.293	Likely Benign
SCN2A	2	166183414	T	C	690	V	A	0.168	Likely Benign
SCN2A	2	166183414	T	G	690	V	G	0.185	Likely Benign
SCN2A	2	166183416	A	C	691	S	T	0.207	Likely Benign
SCN2A	2	166183416	T	C	691	S	P	0.097	Likely Benign
SCN2A	2	166183416	T	G	691	S	A	0.288	Likely Benign
SCN2A	2	166183417	C	A	691	S	Y	0.412	Likely Benign
SCN2A	2	166183417	C	G	691	S	C	0.178	Likely Benign
SCN2A	2	166183417	C	T	691	S	F	0.417	Likely Benign
SCN2A	2	166183419	A	C	692	M	L	0.099	Likely Benign
SCN2A	2	166183419	A	G	692	M	V	0.076	Likely Benign
SCN2A	2	166183419	A	T	692	M	L	0.099	Likely Benign
SCN2A	2	166183420	T	A	692	M	K	0.132	Likely Benign
SCN2A	2	166183420	T	C	692	M	T	0.088	Likely Benign
SCN2A	2	166183420	T	G	692	M	R	0.241	Likely Benign
SCN2A	2	166183421	G	A	692	M	I	0.17	Likely Benign
SCN2A	2	166183421	G	C	692	M	I	0.160	Likely Benign
SCN2A	2	166183421	G	T	692	M	I	0.168	Likely Benign
SCN2A	2	166183422	G	A	693	D	N	0.638	Likely Benign
SCN2A	2	166183422	G	C	693	D	H	0.746	Likely Benign
SCN2A	2	166183422	G	T	693	D	Y	0.639	Likely Benign
SCN2A	2	166183423	A	C	693	D	A	0.71	Likely Benign
SCN2A	2	166183423	A	G	693	D	G	0.386	Likely Benign
SCN2A	2	166183423	A	T	693	D	V	0.778	Likely Benign
SCN2A	2	166183424	T	A	693	D	E	0.089	Likely Benign
SCN2A	2	166183424	T	G	693	D	E	0.089	Likely Benign
SCN2A	2	166183425	T	A	694	L	L	0.086	Likely Benign
SCN2A	2	166183425	T	G	694	L	V	0.078	Likely Benign
SCN2A	2	166183426	T	C	694	L	S	0.094	Likely Benign
SCN2A	2	166183427	A	G	694	L	F	0.064	Likely Benign
SCN2A	2	166183427	A	T	694	L	F	0.064	Likely Benign
SCN2A	2	166183428	T	A	695	L	M	0.149	Likely Benign
SCN2A	2	166183428	T	G	695	L	V	0.163	Likely Benign
SCN2A	2	166183429	T	C	695	L	S	0.216	Likely Benign
SCN2A	2	166183429	T	G	695	L	W	0.4	Likely Benign
SCN2A	2	166183430	G	A	695	L	F	0.092	Likely Benign
SCN2A	2	166183430	G	T	695	L	F	0.092	Likely Benign
SCN2A	2	166183431	G	A	696	E	K	0.217	Likely Benign
SCN2A	2	166183431	G	C	696	E	Q	0.129	Likely Benign
SCN2A	2	166183432	A	C	696	E	A	0.17	Likely Benign
SCN2A	2	166183432	A	G	696	E	G	0.287	Likely Benign
SCN2A	2	166183432	A	T	696	E	V	0.227	Likely Benign
SCN2A	2	166183433	A	C	696	E	D	0.086	Likely Benign
SCN2A	2	166183433	A	T	696	E	D	0.085	Likely Benign
SCN2A	2	166183434	G	A	697	D	N	0.152	Likely Benign
SCN2A	2	166183434	G	C	697	D	H	0.288	Likely Benign
SCN2A	2	166183434	G	T	697	D	Y	0.269	Likely Benign
SCN2A	2	166183435	A	C	697	D	A	0.146	Likely Benign
SCN2A	2	166183435	A	G	697	D	G	0.263	Likely Benign
SCN2A	2	166183435	A	T	697	D	V	0.445	Likely Benign
SCN2A	2	166183436	T	A	697	D	E	0.051	Likely Benign
SCN2A	2	166183436	T	G	697	D	E	0.051	Likely Benign
SCN2A	2	166183437	C	A	698	P	T	0.107	Likely Benign
SCN2A	2	166183437	C	G	698	P	A	0.213	Likely Benign
SCN2A	2	166183437	C	T	698	P	S	0.08	Likely Benign
SCN2A	2	166183438	C	A	698	P	H	0.227	Likely Benign
SCN2A	2	166183438	C	G	698	P	R	0.374	Likely Benign
SCN2A	2	166183438	C	T	698	P	L	0.337	Likely Benign
SCN2A	2	166183440	A	C	699	T	P	0.091	Likely Benign
SCN2A	2	166183440	A	G	699	T	A	0.052	Likely Benign
SCN2A	2	166183440	A	T	699	T	S	0.037	Likely Benign
SCN2A	2	166183441	C	A	699	T	K	0.075	Likely Benign
SCN2A	2	166183441	C	G	699	T	R	0.086	Likely Benign
SCN2A	2	166183441	C	T	699	T	I	0.072	Likely Benign
SCN2A	2	166183443	T	A	700	S	T	0.078	Likely Benign
SCN2A	2	166183443	T	C	700	S	P	0.093	Likely Benign
SCN2A	2	166183443	T	G	700	S	A	0.022	Likely Benign
SCN2A	2	166183444	A	T	700	S	L	0.025	Likely Benign
SCN2A	2	166183446	A	G	701	R	G	0.586	Likely Benign
SCN2A	2	166183446	A	T	701	R	W	0.718	Likely Benign
SCN2A	2	166183447	G	A	701	R	K	0.123	Likely Benign
SCN2A	2	166183447	G	C	701	R	T	0.415	Likely Benign
SCN2A	2	166183447	G	T	701	R	M	0.579	Likely Benign
SCN2A	2	166183448	C	T	701	R	S	0.49	Likely Benign
SCN2A	2	166183448	G	T	701	R	S	0.5	Likely Benign
SCN2A	2	166183449	C	A	702	Q	K	0.082	Likely Benign
SCN2A	2	166183449	C	T	702	Q	E	0.113	Likely Benign
SCN2A	2	166183450	A	C	702	Q	P	0.506	Likely Benign
SCN2A	2	166183450	A	G	702	Q	R	0.278	Likely Benign
SCN2A	2	166183450	A	T	702	Q	L	0.463	Likely Benign
SCN2A	2	166183451	A	C	702	Q	H	0.265	Likely Benign
SCN2A	2	166183451	A	T	702	Q	H	0.278	Likely Benign
SCN2A	2	166183452	A	G	703	R	G	0.686	Likely Benign
SCN2A	2	166183453	A	G	703	R	K	0.74	Likely Benign
SCN2A	2	166183453	G	C	703	R	T	0.74	Likely Benign
SCN2A	2	166183453	G	T	703	R	I	0.855	Likely Pathogenic
SCN2A	2	166183454	A	C	703	R	S	0.617	Likely Benign
SCN2A	2	166183454	A	T	703	R	S	0.611	Likely Benign
SCN2A	2	166183455	G	A	704	A	T	0.114	Likely Benign
SCN2A	2	166183455	G	C	704	A	P	0.723	Likely Benign
SCN2A	2	166183455	G	T	704	A	S	0.344	Likely Benign
SCN2A	2	166183456	C	A	704	A	E	0.621	Likely Benign
SCN2A	2	166183456	C	G	704	A	G	0.307	Likely Benign
SCN2A	2	166183456	C	T	704	A	V	0.71	Likely Benign
SCN2A	2	166183458	A	C	705	M	L	0.042	Likely Benign
SCN2A	2	166183458	A	G	705	M	V	0.082	Likely Benign
SCN2A	2	166183458	A	T	705	M	L	0.042	Likely Benign
SCN2A	2	166183459	T	A	705	M	K	0.186	Likely Benign
SCN2A	2	166183459	T	C	705	M	T	0.168	Likely Benign
SCN2A	2	166183459	T	G	705	M	R	0.177	Likely Benign
SCN2A	2	166183460	G	A	705	M	I	0.141	Likely Benign
SCN2A	2	166183460	G	C	705	M	I	0.141	Likely Benign
SCN2A	2	166183460	G	T	705	M	I	0.141	Likely Benign
SCN2A	2	166183461	A	C	706	S	R	0.789	Likely Pathogenic
SCN2A	2	166183461	A	G	706	S	G	0.796	Likely Pathogenic
SCN2A	2	166183461	A	T	706	S	C	0.902	Likely Pathogenic
SCN2A	2	166183462	G	A	706	S	N	0.335	Likely Benign
SCN2A	2	166183462	G	C	706	S	T	0.739	Likely Benign
SCN2A	2	166183462	G	T	706	S	I	0.805	Likely Pathogenic
SCN2A	2	166183463	T	A	706	S	R	0.588	Likely Benign
SCN2A	2	166183463	T	G	706

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166898856	A	T	708	S	T	0.045	Likely Benign
SCN1A	2	166898855	G	A	708	S	F	0.064	Likely Benign
SCN1A	2	166898855	G	C	708	S	C	0.089	Likely Benign
SCN1A	2	166898855	G	T	708	S	Y	0.091	Likely Benign
SCN1A	2	166898853	G	C	709	Q	E	0.036	Likely Benign
SCN1A	2	166898853	G	T	709	Q	K	0.080	Likely Benign
SCN1A	2	166898852	T	A	709	Q	L	0.028	Likely Benign
SCN1A	2	166898852	T	C	709	Q	R	0.053	Likely Benign
SCN1A	2	166898852	T	G	709	Q	P	0.094	Likely Benign
SCN1A	2	166898851	T	A	709	Q	H	0.090	Likely Benign
SCN1A	2	166898851	T	G	709	Q	H	0.087	Likely Benign
SCN1A	2	166898850	A	T	710	R	W	0.820	Likely Pathoenic
SCN1A	2	166898850	T	C	710	R	G	0.758	Likely Benign
SCN1A	2	166898849	C	A	710	R	M	0.923	Likely Pathoenic
SCN1A	2	166898849	G	T	710	R	I	0.907	Likely Pathoenic
SCN1A	2	166898849	C	T	710	R	K	0.331	Likely Benign
SCN1A	2	166898848	C	A	710	R	S	0.727	Likely Benign
SCN1A	2	166898848	C	G	710	R	G	0.735	Likely Benign
SCN1A	2	166898847	G	C	711	Q	E	0.117	Likely Benign
SCN1A	2	166898847	G	T	711	Q	K	0.094	Likely Benign
SCN1A	2	166898846	T	A	711	Q	L	0.599	Likely Benign
SCN1A	2	166898846	T	C	711	Q	R	0.236	Likely Benign
SCN1A	2	166898846	T	G	711	Q	P	0.527	Likely Benign
SCN1A	2	166898845	T	A	711	Q	H	0.337	Likely Benign
SCN1A	2	166898845	T	G	711	Q	H	0.315	Likely Benign
SCN1A	2	166898844	G	C	712	R	G	0.926	Likely Pathoenic
SCN1A	2	166898843	C	A	712	R	L	0.944	Likely Pathoenic
SCN1A	2	166898843	C	G	712	R	P	0.941	Likely Pathoenic
SCN1A	2	166898843	C	T	712	R	Q	0.934	Likely Pathoenic
SCN1A	2	166898841	C	A	713	A	S	0.605	Likely Benign
SCN1A	2	166898841	C	G	713	A	P	0.821	Likely Pathoenic
SCN1A	2	166898841	C	T	713	A	T	0.288	Likely Benign
SCN1A	2	166898840	G	A	713	A	V	0.936	Likely Pathoenic
SCN1A	2	166898840	G	C	713	A	G	0.810	Likely Pathoenic
SCN1A	2	166898840	G	T	713	A	E	0.942	Likely Pathoenic
SCN1A	2	166898838	T	A	714	M	L	0.046	Likely Benign
SCN1A	2	166898838	T	C	714	M	V	0.102	Likely Benign
SCN1A	2	166898838	T	G	714	M	L	0.047	Likely Benign
SCN1A	2	166898837	A	C	714	M	R	0.231	Likely Benign
SCN1A	2	166898837	A	G	714	M	T	0.218	Likely Benign
SCN1A	2	166898837	A	T	714	M	K	0.336	Likely Benign
SCN1A	2	166898836	C	A	714	M	I	0.303	Likely Benign
SCN1A	2	166898836	C	G	714	M	I	0.303	Likely Benign
SCN1A	2	166898836	C	T	714	M	I	0.302	Likely Benign
SCN1A	2	166898835	T	A	715	S	C	0.946	Likely Pathoenic
SCN1A	2	166898835	T	C	715	S	G	0.929	Likely Pathoenic
SCN1A	2	166898835	T	G	715	S	R	0.946	Likely Pathoenic
SCN1A	2	166898834	C	A	715	S	I	0.949	Likely Pathoenic
SCN1A	2	166898834	C	G	715	S	T	0.947	Likely Pathoenic
SCN1A	2	166898834	C	T	715	S	N	0.849	Likely Pathoenic
SCN1A	2	166898833	A	C	715	S	R	0.754	Likely Benign
SCN1A	2	166898833	A	T	715	S	R	0.754	Likely Benign
SCN1A	2	166898832	T	A	716	I	L	0.164	Likely Benign
SCN1A	2	166898832	T	C	716	I	V	0.071	Likely Benign
SCN1A	2	166898832	T	G	716	I	L	0.162	Likely Benign
SCN1A	2	166898831	A	C	716	I	R	0.104	Likely Benign
SCN1A	2	166898831	A	G	716	I	T	0.120	Likely Benign
SCN1A	2	166898831	A	T	716	I	K	0.313	Likely Benign
SCN1A	2	166898830	T	C	716	I	M	0.202	Likely Benign
SCN1A	2	166898829	C	A	717	A	S	0.528	Likely Benign
SCN1A	2	166898829	C	G	717	A	P	0.746	Likely Benign
SCN1A	2	166898829	C	T	717	A	T	0.349	Likely Benign
SCN1A	2	166898828	G	A	717	A	V	0.162	Likely Benign
SCN1A	2	166898828	G	C	717	A	G	0.734	Likely Benign
SCN1A	2	166898828	G	T	717	A	D	0.765	Likely Benign
SCN1A	2	166898826	T	A	718	S	C	0.943	Likely Pathoenic
SCN1A	2	166898826	T	C	718	S	G	0.847	Likely Pathoenic
SCN1A	2	166898826	T	G	718	S	R	0.941	Likely Pathoenic
SCN1A	2	166898825	C	A	718	S	I	0.952	Likely Pathoenic
SCN1A	2	166898825	C	G	718	S	T	0.897	Likely Pathoenic
SCN1A	2	166898825	C	T	718	S	N	0.953	Likely Pathoenic
SCN1A	2	166898824	G	C	718	S	R	0.825	Likely Pathoenic
SCN1A	2	166898824	G	T	718	S	R	0.824	Likely Pathoenic
SCN1A	2	166898823	T	A	719	I	F	0.861	Likely Pathoenic
SCN1A	2	166898823	T	C	719	I	V	0.201	Likely Benign
SCN1A	2	166898823	T	G	719	I	L	0.658	Likely Benign
SCN1A	2	166898822	A	C	719	I	S	0.924	Likely Pathoenic
SCN1A	2	166898822	A	G	719	I	T	0.924	Likely Pathoenic
SCN1A	2	166898822	A	T	719	I	N	0.781	Likely Benign
SCN1A	2	166898821	A	C	719	I	M	0.748	Likely Benign
SCN1A	2	166898820	G	C	720	L	V	0.256	Likely Benign
SCN1A	2	166898820	G	T	720	L	I	0.208	Likely Benign
SCN1A	2	166898819	A	C	720	L	R	0.961	Likely Pathoenic
SCN1A	2	166898819	A	G	720	L	P	0.966	Likely Pathoenic
SCN1A	2	166898819	A	T	720	L	Q	0.945	Likely Pathoenic
SCN1A	2	166898817	T	A	721	T	S	0.789	Likely Benign
SCN1A	2	166898817	T	C	721	T	A	0.943	Likely Pathoenic
SCN1A	2	166898817	T	G	721	T	P	0.968	Likely Pathoenic
SCN1A	2	166898816	G	A	721	T	I	0.976	Likely Pathoenic
SCN1A	2	166898816	G	C	721	T	R	0.963	Likely Pathoenic
SCN1A	2	166898816	G	T	721	T	K	0.975	Likely Pathoenic
SCN1A	2	166898814	T	A	722	N	Y	0.941	Likely Pathoenic
SCN1A	2	166898814	T	C	722	N	D	0.367	Likely Benign
SCN1A	2	166898814	T	G	722	N	H	0.891	Likely Pathoenic
SCN1A	2	166898813	T	A	722	N	I	0.881	Likely Pathoenic
SCN1A	2	166898813	T	C	722	N	S	0.207	Likely Benign
SCN1A	2	166898813	T	G	722	N	T	0.548	Likely Benign
SCN1A	2	166898812	A	C	722	N	K	0.646	Likely Benign
SCN1A	2	166898812	A	T	722	N	K	0.643	Likely Benign
SCN1A	2	166898811	T	A	723	T	S	0.945	Likely Pathoenic
SCN1A	2	166898811	T	C	723	T	A	0.624	Likely Benign
SCN1A	2	166898811	T	G	723	T	P	0.917	Likely Pathoenic
SCN1A	2	166898810	G	A	723	T	I	0.919	Likely Pathoenic
SCN1A	2	166898810	G	C	723	T	R	0.956	Likely Pathoenic
SCN1A	2	166898810	G	T	723	T	K	0.967	Likely Pathoenic
SCN1A	2	166898808	C	A	724	V	L	0.058	Likely Benign
SCN1A	2	166898808	C	G	724	V	L	0.055	Likely Benign
SCN1A	2	166898808	C	T	724	V	I	0.092	Likely Benign
SCN1A	2	166898807	A	C	724	V	G	0.496	Likely Benign
SCN1A	2	166898807	A	G	724	V	A	0.188	Likely Benign
SCN1A	2	166898807	A	T	724	V	E	0.361	Likely Benign
SCN1A	2	166898805	C	G	725	E	Q	0.923	Likely Pathoenic
SCN1A	2	166898805	C	T	725	E	K	0.967	Likely Pathoenic
SCN1A	2	166898804	A	T	725	E	V	0.890	Likely Pathoenic
SCN1A	2	166898804	T	C	725	E	G	0.960	Likely Pathoenic
SCN1A	2	166898804	T	G	725	E	A	0.904	Likely Pathoenic
SCN1A	2	166898803	A	C	725	E	D	0.645	Likely Benign
SCN1A	2	166898803	T	G	725	E	D	0.641	Likely Benign
SCN1A	2	166898802	C	G	726	E	Q	0.913	Likely Pathoenic
SCN1A	2	166898802	C	T	726	E	K	0.980	Likely Pathoenic
SCN1A	2	166898978	T	A	726	E	D	0.520	Likely Benign
SCN1A	2	166898978	T	G	726	E	D	0.516	Likely Benign
SCN1A	2	166898977	G	A	727	L	F	0.946	Likely Pathoenic
SCN1A	2	166898977	G	C	727	L	V	0.938	Likely Pathoenic
SCN1A	2	166898977	G	T	727	L	I	0.972	Likely Pathoenic
SCN1A	2	166898976	A	C	727	L	R	0.927	Likely Pathoenic
SCN1A	2	166898976	A	G	727	L	P	0.938	Likely Pathoenic
SCN1A	2	166898976	A	T	727	L	H	0.957	Likely Pathoenic
SCN1A	2	166898974	C	G	728	E	Q	0.964	Likely Pathoenic
SCN1A	2	166898974	C	T	728	E	K	0.963	Likely Pathoenic
SCN1A	2	166898973	T	A	728	E	V	0.977	Likely Pathoenic
SCN1A	2	166898973	T	C	728	E	G	0.979	Likely Pathoenic
SCN1A	2	166898973	T	G	728	E	A	0.969	Likely Pathoenic
SCN1A	2	166898972	T	A	728	E	D	0.861	Likely Pathoenic
SCN1A	2	166898972	T	G	728	E	D	0.849	Likely Pathoenic
SCN1A	2	166898971	C	G	729	Q	E	0.945	Likely Pathoenic
SCN1A	2	166898971	C	T	729	E	K	0.913	Likely Pathoenic
SCN1A	2	166898970	T	A	729	E	V	0.930	Likely Pathoenic
SCN1A	2	166898970	T	C	729	E	G	0.886	Likely Pathoenic
SCN1A	2	166898970	T	G	729	E	A	0.923	Likely Pathoenic
SCN1A	2	166898969	T	A	729	E	D	0.424	Likely Benign
SCN1A	2	166898969	T	G	729	E	D	0.424	Likely Benign
SCN1A	2	166898968	A	C	730	S	A	0.349	Likely Benign
SCN1A	2	166898968	A	G	730	S	P	0.924	Likely Pathoenic
SCN1A	2	166898968	A	T	730	S	T	0.938	Likely Pathoenic
SCN1A	2	166898967	G	A	730	S	F	0.554	Likely Benign
SCN1A	2	166898967	G	C	730	S	C	0.963	Likely Pathoenic
SCN1A	2	166898967	G	T	730	S	Y	0.964	Likely Pathoenic
SCN1A	2	166898965	T	A	731	R	W	0.918	Likely Pathoenic
SCN1A	2	166898965	T	C	731	R	G	0.847	Likely Pathoenic
SCN1A	2	166898964	C	A	731	R	M	0.917	Likely Pathoenic
SCN1A	2	166898964	C	G	731	R	T	0.925	Likely Pathoenic
SCN1A	2	166898964	C	T	731	R	K	0.274	Likely Benign
SCN1A	2	166898963	C	A	731	R	S	0.810	Likely Pathoenic
SCN1A	2	166898963	C	G	731	R	S	0.809	Likely Pathoenic
SCN1A	2	166898962	G	C	732	Q	E	0.236	Likely Benign
SCN1A	2	166898962	G	T	732	Q	L	0.430	Likely Benign
SCN1A	2	166898961	A	T	732	Q	L	0.725	Likely Benign
SCN1A	2	166898961	T	C	732	Q	R	0.153	Likely Benign
SCN1A	2	166898961	T	G	732	Q	P	0.881	Likely Pathoenic
SCN1A	2	166898960	C	A	732	Q	H	0.913	Likely Pathoenic
SCN1A	2	166898960	C	G	732	Q	H	0.913	Likely Pathoenic
SCN1A	2	166898959	T	C	733	K	E	0.811	Likely Pathoenic
SCN1A	2	166898959	T	G	733	K	Q	0.935	Likely Pathoenic
SCN1A	2	166898958	T	A	733	K	I	0.930	Likely Pathoenic
SCN1A	2	166898958	T	C	733	K	R	0.293	Likely Benign
SCN1A	2	166898958	T	G	733	K	T	0.896	Likely Pathoenic
SCN1A	2	166898957	A	C	733	K	N	0.846	Likely Pathoenic
SCN1A	2	166898957	T	G	733	K	N	0.847	Likely Pathoenic
SCN1A	2	166898956	A	C	734	C	G	0.978	Likely Pathoenic
SCN1A	2	166898956	A	G	734	C	R	0.984	Likely Pathoenic
SCN1A	2	166898956	A	T	734	C	S	0.983	Likely Pathoenic
SCN1A	2	166898955	C	A	734	C	F	0.970	Likely Pathoenic
SCN1A	2	166898955	C	G	734	C	S	0.984	Likely Pathoenic
SCN1A	2	166898955	C	T	734	C	Y	0.978	Likely Pathoenic
SCN1A	2	166898954	G	C	734	C	W	0.984	Likely Pathoenic
SCN1A	2	166898953	G	A	735	P	S	0.773	Likely Benign
SCN1A	2	166898953	G	C	735	P	A	0.830	Likely Pathoenic
SCN1A	2	166898953	G	T	735	P	T	0.907	Likely Pathoenic
SCN1A	2	166898952	G	A	735	P	L	0.618	Likely Benign
SCN1A	2	166898952	G	C	735	P	R	0.911	Likely Pathoenic
SCN1A	2	166898952	G	T	735	P	Q	0.932	Likely Pathoenic
SCN1A	2	166898950	G	A	736	P	S	0.650	Likely Benign
SCN1A	2	166898950	G	C	736	P	A	0.657	Likely Benign
SCN1A	2	166898950	G	T	736	P	T	0.888	Likely Pathoenic
SCN1A	2	166898949	G	A	736	P	L	0.941	Likely Pathoenic
SCN1A	2	166898949	G	C	736	P	R	0.852	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166183467	G	C	708	A	P	0.245	Likely Benign
SCN2A	2	166183467	G	T	708	A	S	0.216	Likely Benign
SCN2A	2	166183468	C	A	708	A	D	0.256	Likely Benign
SCN2A	2	166183468	C	G	708	A	G	0.236	Likely Benign
SCN2A	2	166183468	C	T	708	A	V	0.075	Likely Benign
SCN2A	2	166183470	A	C	709	S	R	0.838	Likely Pathogenic
SCN2A	2	166183470	A	G	709	S	G	0.488	Likely Benign
SCN2A	2	166183470	A	T	709	S	C	0.88	Likely Pathogenic
SCN2A	2	166183471	G	A	709	S	N	0.787	Likely Pathogenic
SCN2A	2	166183471	G	C	709	S	T	0.506	Likely Benign
SCN2A	2	166183471	G	T	709	S	I	0.884	Likely Pathogenic
SCN2A	2	166183472	T	A	709	S	R	0.768	Likely Benign
SCN2A	2	166183472	T	G	709	S	R	0.763	Likely Benign
SCN2A	2	166183473	A	C	710	I	L	0.337	Likely Benign
SCN2A	2	166183473	A	G	710	I	V	0.154	Likely Benign
SCN2A	2	166183473	A	T	710	I	F	0.448	Likely Benign
SCN2A	2	166183474	T	A	710	I	N	0.226	Likely Benign
SCN2A	2	166183474	T	C	710	I	T	0.621	Likely Benign
SCN2A	2	166183474	T	G	710	I	S	0.644	Likely Benign
SCN2A	2	166183475	T	G	710	I	M	0.401	Likely Benign
SCN2A	2	166183476	T	A	711	L	M	0.323	Likely Benign
SCN2A	2	166183476	T	G	711	L	V	0.21	Likely Benign
SCN2A	2	166183477	T	C	711	L	S	0.388	Likely Benign
SCN2A	2	166183477	T	G	711	L	W	0.815	Likely Pathogenic
SCN2A	2	166183478	G	C	711	L	F	0.333	Likely Benign
SCN2A	2	166183478	G	T	711	L	F	0.334	Likely Benign
SCN2A	2	166183479	A	C	712	T	P	0.938	Likely Pathogenic
SCN2A	2	166183479	A	G	712	T	A	0.666	Likely Benign
SCN2A	2	166183479	A	T	712	T	S	0.231	Likely Benign
SCN2A	2	166183480	C	A	712	T	N	0.366	Likely Benign
SCN2A	2	166183480	C	G	712	T	S	0.2	Likely Benign
SCN2A	2	166183480	C	T	712	T	I	0.852	Likely Pathogenic
SCN2A	2	166183482	A	C	713	N	H	0.602	Likely Benign
SCN2A	2	166183482	A	G	713	N	D	0.199	Likely Benign
SCN2A	2	166183482	A	T	713	N	Y	0.803	Likely Pathogenic
SCN2A	2	166183483	A	C	713	N	T	0.384	Likely Benign
SCN2A	2	166183483	A	G	713	N	S	0.162	Likely Benign
SCN2A	2	166183483	A	T	713	N	I	0.615	Likely Benign
SCN2A	2	166183484	C	A	713	N	K	0.348	Likely Benign
SCN2A	2	166183484	C	G	713	N	K	0.352	Likely Benign
SCN2A	2	166183485	A	C	714	T	P	0.525	Likely Benign
SCN2A	2	166183485	A	G	714	T	A	0.191	Likely Benign
SCN2A	2	166183485	A	T	714	T	S	0.609	Likely Benign
SCN2A	2	166183486	A	T	714	T	N	0.638	Likely Benign
SCN2A	2	166183486	C	G	714	T	S	0.587	Likely Benign
SCN2A	2	166183486	C	T	714	T	I	0.288	Likely Benign
SCN2A	2	166183488	A	C	715	M	L	0.106	Likely Benign
SCN2A	2	166183488	A	G	715	M	V	0.161	Likely Benign
SCN2A	2	166183488	A	T	715	M	L	0.108	Likely Benign
SCN2A	2	166183489	T	A	715	M	K	0.547	Likely Benign
SCN2A	2	166183489	T	C	715	M	T	0.347	Likely Benign
SCN2A	2	166183489	T	G	715	M	R	0.67	Likely Benign
SCN2A	2	166183490	G	A	715	M	I	0.189	Likely Benign
SCN2A	2	166183490	G	C	715	M	I	0.189	Likely Benign
SCN2A	2	166183490	G	T	715	M	I	0.189	Likely Benign
SCN2A	2	166183491	G	A	716	E	K	0.72	Likely Benign
SCN2A	2	166183491	G	C	716	E	Q	0.447	Likely Benign
SCN2A	2	166183492	A	C	716	E	A	0.409	Likely Benign
SCN2A	2	166183492	A	G	716	E	G	0.624	Likely Benign
SCN2A	2	166183492	A	T	716	E	V	0.366	Likely Benign
SCN2A	2	166183493	A	C	716	E	D	0.226	Likely Benign
SCN2A	2	166183493	A	T	716	E	D	0.226	Likely Benign
SCN2A	2	166187840	C	T	717	E	A	0.945	Likely Pathogenic
SCN2A	2	166187840	A	G	717	E	G	0.927	Likely Pathogenic
SCN2A	2	166187840	A	T	717	E	V	0.971	Likely Pathogenic
SCN2A	2	166187841	A	C	717	E	D	0.458	Likely Benign
SCN2A	2	166187841	A	T	717	E	D	0.458	Likely Benign
SCN2A	2	166187842	C	A	718	L	I	0.904	Likely Pathogenic
SCN2A	2	166187842	C	G	718	L	V	0.862	Likely Pathogenic
SCN2A	2	166187842	C	T	718	L	F	0.849	Likely Pathogenic
SCN2A	2	166187843	T	A	718	L	H	0.921	Likely Pathogenic
SCN2A	2	166187843	T	C	718	L	P	0.851	Likely Pathogenic
SCN2A	2	166187843	T	G	718	L	R	0.879	Likely Pathogenic
SCN2A	2	166187845	G	A	719	E	K	0.8	Likely Pathogenic
SCN2A	2	166187845	C	T	719	E	Q	0.739	Likely Benign
SCN2A	2	166187846	A	C	719	E	A	0.956	Likely Pathogenic
SCN2A	2	166187846	A	G	719	E	G	0.969	Likely Pathogenic
SCN2A	2	166187846	A	T	719	E	V	0.969	Likely Pathogenic
SCN2A	2	166187847	A	C	719	E	D	0.69	Likely Benign
SCN2A	2	166187847	A	T	719	E	D	0.699	Likely Benign
SCN2A	2	166187848	G	A	720	E	K	0.867	Likely Pathogenic
SCN2A	2	166187848	G	C	720	E	Q	0.916	Likely Pathogenic
SCN2A	2	166187849	A	C	720	E	A	0.922	Likely Pathogenic
SCN2A	2	166187849	A	G	720	E	G	0.916	Likely Pathogenic
SCN2A	2	166187849	A	T	720	E	V	0.961	Likely Pathogenic
SCN2A	2	166187850	A	C	720	E	D	0.316	Likely Benign
SCN2A	2	166187850	A	T	720	E	D	0.316	Likely Benign
SCN2A	2	166187851	T	A	721	S	T	0.936	Likely Pathogenic
SCN2A	2	166187851	T	C	721	S	P	0.826	Likely Pathogenic
SCN2A	2	166187851	T	G	721	S	A	0.467	Likely Benign
SCN2A	2	166187852	C	A	721	S	Y	0.918	Likely Pathogenic
SCN2A	2	166187852	C	G	721	S	C	0.934	Likely Pathogenic
SCN2A	2	166187852	C	T	721	S	F	0.658	Likely Benign
SCN2A	2	166187854	A	G	722	R	G	0.87	Likely Pathogenic
SCN2A	2	166187855	G	A	722	R	K	0.414	Likely Benign
SCN2A	2	166187855	G	C	722	R	T	0.907	Likely Pathogenic
SCN2A	2	166187855	G	T	722	R	I	0.94	Likely Pathogenic
SCN2A	2	166187856	A	C	722	R	S	0.928	Likely Pathogenic
SCN2A	2	166187856	A	T	722	R	S	0.928	Likely Pathogenic
SCN2A	2	166187857	C	A	723	Q	K	0.254	Likely Benign
SCN2A	2	166187857	C	G	723	Q	E	0.148	Likely Benign
SCN2A	2	166187858	A	C	723	Q	P	0.678	Likely Benign
SCN2A	2	166187858	A	G	723	Q	R	0.115	Likely Benign
SCN2A	2	166187858	A	T	723	Q	L	0.376	Likely Benign
SCN2A	2	166187859	G	C	723	Q	H	0.523	Likely Benign
SCN2A	2	166187859	G	T	723	Q	H	0.515	Likely Benign
SCN2A	2	166187860	A	C	724	K	Q	0.839	Likely Pathogenic
SCN2A	2	166187860	A	G	724	K	E	0.524	Likely Benign
SCN2A	2	166187861	A	C	724	K	T	0.773	Likely Benign
SCN2A	2	166187861	A	G	724	K	R	0.291	Likely Benign
SCN2A	2	166187861	A	T	724	K	I	0.732	Likely Benign
SCN2A	2	166187862	A	C	724	K	N	0.718	Likely Benign
SCN2A	2	166187862	A	T	724	K	N	0.718	Likely Benign
SCN2A	2	166187863	T	A	725	C	S	0.974	Likely Pathogenic
SCN2A	2	166187863	T	C	725	C	R	0.978	Likely Pathogenic
SCN2A	2	166187863	T	G	725	C	G	0.968	Likely Pathogenic
SCN2A	2	166187864	G	A	725	C	Y	0.928	Likely Pathogenic
SCN2A	2	166187864	G	C	725	C	S	0.962	Likely Pathogenic
SCN2A	2	166187864	G	T	725	C	F	0.896	Likely Pathogenic
SCN2A	2	166187865	G	C	725	C	W	0.962	Likely Pathogenic
SCN2A	2	166187866	C	A	726	P	T	0.903	Likely Pathogenic
SCN2A	2	166187866	C	G	726	P	A	0.857	Likely Pathogenic
SCN2A	2	166187866	C	T	726	P	S	0.912	Likely Pathogenic
SCN2A	2	166187867	C	A	726	P	Q	0.941	Likely Pathogenic
SCN2A	2	166187867	C	G	726	P	R	0.932	Likely Pathogenic
SCN2A	2	166187867	C	T	726	P	L	0.728	Likely Pathogenic
SCN2A	2	166187869	C	A	727	P	T	0.812	Likely Pathogenic
SCN2A	2	166187869	C	G	727	P	A	0.612	Likely Benign
SCN2A	2	166187869	C	T	727	P	S	0.595	Likely Benign
SCN2A	2	166187870	C	A	727	P	Q	0.933	Likely Pathogenic
SCN2A	2	166187870	C	G	727	P	R	0.815	Likely Pathogenic
SCN2A	2	166187870	C	T	727	P	L	0.908	Likely Pathogenic
SCN2A	2	166187872	A	C	728	C	S	0.889	Likely Pathogenic
SCN2A	2	166187872	T	C	728	C	R	0.915	Likely Pathogenic
SCN2A	2	166187872	T	G	728	C	G	0.891	Likely Pathogenic
SCN2A	2	166187873	A	C	728	C	Y	0.856	Likely Pathogenic
SCN2A	2	166187873	G	C	728	C	S	0.915	Likely Pathogenic
SCN2A	2	166187873	G	T	728	C	F	0.826	Likely Pathogenic
SCN2A	2	166187874	C	G	728	C	W	0.738	Likely Benign
SCN2A	2	166187875	T	A	729	W	R	0.935	Likely Pathogenic
SCN2A	2	166187875	T	C	729	W	R	0.935	Likely Pathogenic
SCN2A	2	166187875	T	G	729	W	G	0.874	Likely Pathogenic
SCN2A	2	166187876	G	C	729	W	S	0.921	Likely Pathogenic
SCN2A	2	166187876	G	T	729	W	L	0.669	Likely Benign
SCN2A	2	166187877	G	C	729	W	C	0.877	Likely Pathogenic
SCN2A	2	166187877	G	T	729	W	C	0.877	Likely Pathogenic
SCN2A	2	166187878	T	A	730	Y	N	0.5	Likely Benign
SCN2A	2	166187878	T	C	730	Y	H	0.676	Likely Benign
SCN2A	2	166187878	T	G	730	Y	D	0.873	Likely Pathogenic
SCN2A	2	166187879	A	C	730	Y	S	0.773	Likely Benign
SCN2A	2	166187879	A	G	730	Y	C	0.917	Likely Pathogenic
SCN2A	2	166187879	A	T	730	Y	F	0.605	Likely Benign
SCN2A	2	166187881	A	C	731	K	Q	0.429	Likely Benign
SCN2A	2	166187881	A	G	731	K	E	0.334	Likely Benign
SCN2A	2	166187882	A	C	731	K	T	0.578	Likely Benign
SCN2A	2	166187882	A	G	731	K	R	0.153	Likely Benign
SCN2A	2	166187882	A	T	731	K	I	0.731	Likely Benign
SCN2A	2	166187883	A	C	731	K	N	0.349	Likely Benign
SCN2A	2	166187883	A	T	731	K	N	0.349	Likely Benign
SCN2A	2	166187884	T	A	732	F	I	0.674	Likely Benign
SCN2A	2	166187884	T	C	732	F	L	0.559	Likely Benign
SCN2A	2	166187884	T	G	732	F	V	0.852	Likely Pathogenic
SCN2A	2	166187885	T	A	732	F	Y	0.843	Likely Pathogenic
SCN2A	2	166187885	T	C	732	F	S	0.958	Likely Pathogenic
SCN2A	2	166187885	T	G	732	F	C	0.642	Likely Benign
SCN2A	2	166187886	T	A	732	F	L	0.576	Likely Benign
SCN2A	2	166187886	T	G	732	F	L	0.575	Likely Benign
SCN2A	2

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166897949	G	T	736	P	H	0.961	Likely Pathogenic
SCN1A	2	166897947	A	C	737	T	G	0.917	Likely Pathogenic
SCN1A	2	166897947	A	G	737	C	R	0.941	Likely Pathogenic
SCN1A	2	166897947	A	T	737	C	S	0.930	Likely Pathogenic
SCN1A	2	166897946	C	A	737	C	F	0.895	Likely Pathogenic
SCN1A	2	166897946	C	G	737	C	S	0.954	Likely Pathogenic
SCN1A	2	166897946	C	T	737	C	Y	0.899	Likely Pathogenic
SCN1A	2	166897945	A	C	737	C	W	0.503	Likely Benign
SCN1A	2	166897944	A	C	738	W	G	0.945	Likely Pathogenic
SCN1A	2	166897944	A	G	738	W	R	0.969	Likely Pathogenic
SCN1A	2	166897944	A	T	738	W	R	0.969	Likely Pathogenic
SCN1A	2	166897943	C	A	738	W	L	0.908	Likely Pathogenic
SCN1A	2	166897943	C	G	738	W	S	0.963	Likely Pathogenic
SCN1A	2	166897942	C	A	738	W	C	0.948	Likely Pathogenic
SCN1A	2	166897942	C	G	738	W	C	0.947	Likely Pathogenic
SCN1A	2	166897941	A	C	739	Y	D	0.959	Likely Pathogenic
SCN1A	2	166897941	A	G	739	Y	H	0.799	Likely Pathogenic
SCN1A	2	166897941	A	T	739	Y	N	0.794	Likely Pathogenic
SCN1A	2	166897940	T	A	739	Y	F	0.508	Likely Benign
SCN1A	2	166897940	T	C	739	Y	C	0.952	Likely Pathogenic
SCN1A	2	166897940	T	G	739	Y	S	0.890	Likely Pathogenic
SCN1A	2	166897938	T	C	740	K	E	0.493	Likely Benign
SCN1A	2	166897938	T	G	740	K	Q	0.855	Likely Pathogenic
SCN1A	2	166897937	T	A	740	K	I	0.926	Likely Pathogenic
SCN1A	2	166897937	T	C	740	K	R	0.173	Likely Benign
SCN1A	2	166897937	T	G	740	K	T	0.827	Likely Pathogenic
SCN1A	2	166897936	T	A	740	K	N	0.499	Likely Benign
SCN1A	2	166897936	T	G	740	K	N	0.480	Likely Benign
SCN1A	2	166897935	A	C	741	F	V	0.960	Likely Pathogenic
SCN1A	2	166897935	A	G	741	F	L	0.759	Likely Benign
SCN1A	2	166897935	A	T	741	F	I	0.912	Likely Pathogenic
SCN1A	2	166897934	A	C	741	F	C	0.846	Likely Pathogenic
SCN1A	2	166897934	A	G	741	F	S	0.975	Likely Pathogenic
SCN1A	2	166897934	A	T	741	F	Y	0.944	Likely Pathogenic
SCN1A	2	166897933	A	C	741	F	L	0.721	Likely Benign
SCN1A	2	166897933	A	T	741	F	L	0.720	Likely Benign
SCN1A	2	166897932	A	C	742	S	A	0.023	Likely Benign
SCN1A	2	166897932	A	G	742	S	P	0.023	Likely Benign
SCN1A	2	166897932	A	T	742	S	T	0.150	Likely Benign
SCN1A	2	166897931	A	G	742	S	F	0.456	Likely Benign
SCN1A	2	166897931	G	C	742	S	C	0.682	Likely Benign
SCN1A	2	166897931	G	T	742	S	Y	0.620	Likely Benign
SCN1A	2	166897929	T	A	743	N	Y	0.789	Likely Pathogenic
SCN1A	2	166897929	T	C	743	N	D	0.203	Likely Benign
SCN1A	2	166897929	T	G	743	N	H	0.206	Likely Benign
SCN1A	2	166897928	T	A	743	N	I	0.932	Likely Pathogenic
SCN1A	2	166897928	T	C	743	N	S	0.329	Likely Benign
SCN1A	2	166897928	T	G	743	N	T	0.560	Likely Benign
SCN1A	2	166897927	G	C	743	N	K	0.300	Likely Benign
SCN1A	2	166897927	G	T	743	N	K	0.300	Likely Benign
SCN1A	2	166897926	T	A	744	I	L	0.218	Likely Benign
SCN1A	2	166897926	T	C	744	I	V	0.171	Likely Benign
SCN1A	2	166897926	T	G	744	I	L	0.217	Likely Benign
SCN1A	2	166897925	A	C	744	I	R	0.189	Likely Benign
SCN1A	2	166897925	A	G	744	I	T	0.054	Likely Benign
SCN1A	2	166897925	A	T	744	I	K	0.103	Likely Benign
SCN1A	2	166897924	T	C	744	I	M	0.159	Likely Benign
SCN1A	2	166897923	A	C	745	F	V	0.392	Likely Benign
SCN1A	2	166897923	A	G	745	F	L	0.702	Likely Benign
SCN1A	2	166897923	A	T	745	F	I	0.889	Likely Pathogenic
SCN1A	2	166897922	A	C	745	F	C	0.286	Likely Benign
SCN1A	2	166897922	A	G	745	F	S	0.931	Likely Pathogenic
SCN1A	2	166897922	A	T	745	F	Y	0.212	Likely Benign
SCN1A	2	166897921	G	C	745	F	L	0.625	Likely Benign
SCN1A	2	166897921	G	T	745	F	L	0.630	Likely Benign
SCN1A	2	166897920	A	C	746	L	V	0.959	Likely Pathogenic
SCN1A	2	166897920	A	T	746	L	I	0.957	Likely Pathogenic
SCN1A	2	166897919	A	G	746	L	S	0.977	Likely Pathogenic
SCN1A	2	166897918	T	A	746	L	F	0.941	Likely Pathogenic
SCN1A	2	166897918	T	G	746	L	F	0.940	Likely Pathogenic
SCN1A	2	166897917	T	A	747	I	F	0.978	Likely Pathogenic
SCN1A	2	166897917	T	C	747	I	V	0.392	Likely Benign
SCN1A	2	166897917	T	G	747	I	L	0.976	Likely Pathogenic
SCN1A	2	166897916	A	C	747	I	S	0.966	Likely Pathogenic
SCN1A	2	166897916	A	G	747	I	T	0.957	Likely Pathogenic
SCN1A	2	166897916	A	T	747	I	N	0.979	Likely Pathogenic
SCN1A	2	166897915	G	C	747	I	M	0.941	Likely Pathogenic
SCN1A	2	166897914	A	C	748	W	G	0.986	Likely Pathogenic
SCN1A	2	166897914	A	G	748	W	R	0.985	Likely Pathogenic
SCN1A	2	166897914	A	T	748	W	R	0.985	Likely Pathogenic
SCN1A	2	166897913	C	A	748	W	L	0.986	Likely Pathogenic
SCN1A	2	166897913	C	G	748	W	S	0.986	Likely Pathogenic
SCN1A	2	166897912	C	A	748	W	C	0.986	Likely Pathogenic
SCN1A	2	166897912	C	G	748	W	C	0.986	Likely Pathogenic
SCN1A	2	166897911	A	C	749	D	Y	0.973	Likely Pathogenic
SCN1A	2	166897911	C	G	749	D	H	0.971	Likely Pathogenic
SCN1A	2	166897911	C	T	749	D	N	0.448	Likely Benign
SCN1A	2	166897910	A	C	749	D	V	0.953	Likely Pathogenic
SCN1A	2	166897910	T	C	749	D	G	0.947	Likely Pathogenic
SCN1A	2	166897910	T	G	749	D	A	0.954	Likely Pathogenic
SCN1A	2	166897909	G	C	749	D	E	0.158	Likely Benign
SCN1A	2	166897909	G	T	749	D	E	0.153	Likely Benign
SCN1A	2	166897908	A	C	750	C	G	0.982	Likely Pathogenic
SCN1A	2	166897908	A	G	750	C	R	0.984	Likely Pathogenic
SCN1A	2	166897908	A	T	750	C	S	0.969	Likely Pathogenic
SCN1A	2	166897907	C	A	750	C	F	0.987	Likely Pathogenic
SCN1A	2	166897907	C	G	750	C	S	0.982	Likely Pathogenic
SCN1A	2	166897907	C	T	750	C	Y	0.987	Likely Pathogenic
SCN1A	2	166897906	A	C	750	C	W	0.987	Likely Pathogenic
SCN1A	2	166897905	A	C	751	S	A	0.574	Likely Benign
SCN1A	2	166897905	A	G	751	S	P	0.681	Likely Benign
SCN1A	2	166897905	A	T	751	S	T	0.622	Likely Benign
SCN1A	2	166897904	G	A	751	S	F	0.845	Likely Pathogenic
SCN1A	2	166897904	G	C	751	S	C	0.076	Likely Benign
SCN1A	2	166897904	G	T	751	S	Y	0.711	Likely Benign
SCN1A	2	166897902	G	A	752	P	S	0.363	Likely Benign
SCN1A	2	166897902	G	C	752	P	A	0.500	Likely Benign
SCN1A	2	166897902	G	T	752	P	T	0.521	Likely Benign
SCN1A	2	166897901	G	A	752	P	L	0.891	Likely Pathogenic
SCN1A	2	166897901	G	C	752	P	R	0.819	Likely Pathogenic
SCN1A	2	166897901	G	T	752	P	Q	0.764	Likely Benign
SCN1A	2	166897899	A	C	753	Y	D	0.247	Likely Benign
SCN1A	2	166897899	A	G	753	Y	H	0.157	Likely Benign
SCN1A	2	166897899	A	T	753	Y	N	0.171	Likely Benign
SCN1A	2	166897898	T	A	753	Y	F	0.195	Likely Benign
SCN1A	2	166897898	T	C	753	Y	C	0.108	Likely Benign
SCN1A	2	166897898	T	G	753	Y	S	0.155	Likely Benign
SCN1A	2	166897896	A	C	754	W	G	0.986	Likely Pathogenic
SCN1A	2	166897896	A	G	754	W	R	0.982	Likely Pathogenic
SCN1A	2	166897896	A	T	754	W	R	0.982	Likely Pathogenic
SCN1A	2	166897895	C	A	754	W	L	0.986	Likely Pathogenic
SCN1A	2	166897895	C	G	754	W	S	0.985	Likely Pathogenic
SCN1A	2	166897894	C	A	754	W	C	0.985	Likely Pathogenic
SCN1A	2	166897894	C	G	754	W	C	0.984	Likely Pathogenic
SCN1A	2	166897893	A	C	755	L	V	0.216	Likely Benign
SCN1A	2	166897893	A	T	755	L	I	0.226	Likely Benign
SCN1A	2	166897892	A	G	755	L	S	0.879	Likely Pathogenic
SCN1A	2	166897891	T	A	755	L	F	0.878	Likely Pathogenic
SCN1A	2	166897891	T	G	755	L	F	0.877	Likely Pathogenic
SCN1A	2	166897890	T	C	756	K	E	0.514	Likely Benign
SCN1A	2	166897890	T	G	756	K	Q	0.539	Likely Benign
SCN1A	2	166897889	T	A	756	K	I	0.918	Likely Pathogenic
SCN1A	2	166897889	T	C	756	K	R	0.248	Likely Benign
SCN1A	2	166897889	T	G	756	K	T	0.470	Likely Benign
SCN1A	2	166897888	T	A	756	K	N	0.875	Likely Pathogenic
SCN1A	2	166897888	T	G	756	K	N	0.870	Likely Pathogenic
SCN1A	2	166897887	C	A	757	V	L	0.126	Likely Benign
SCN1A	2	166897887	C	G	757	V	L	0.124	Likely Benign
SCN1A	2	166897887	T	C	757	V	M	0.408	Likely Benign
SCN1A	2	166897886	A	C	757	V	G	0.895	Likely Pathogenic
SCN1A	2	166897886	A	G	757	V	A	0.612	Likely Benign
SCN1A	2	166897886	A	T	757	V	E	0.903	Likely Pathogenic
SCN1A	2	166897884	T	C	758	K	E	0.973	Likely Pathogenic
SCN1A	2	166897884	T	G	758	K	Q	0.762	Likely Benign
SCN1A	2	166897883	A	T	758	K	I	0.982	Likely Pathogenic
SCN1A	2	166897883	T	C	758	K	R	0.911	Likely Pathogenic
SCN1A	2	166897883	T	G	758	K	T	0.973	Likely Pathogenic
SCN1A	2	166897882	T	A	758	K	N	0.955	Likely Pathogenic
SCN1A	2	166897882	T	G	758	K	N	0.951	Likely Pathogenic
SCN1A	2	166897881	G	A	759	H	Y	0.310	Likely Benign
SCN1A	2	166897881	G	C	759	H	D	0.226	Likely Benign
SCN1A	2	166897881	G	T	759	H	N	0.121	Likely Benign
SCN1A	2	166897880	T	A	759	H	L	0.432	Likely Benign
SCN1A	2	166897880	T	C	759	H	R	0.126	Likely Benign
SCN1A	2	166897880	T	G	759	H	P	0.575	Likely Benign
SCN1A	2	166897879	A	C	759	H	Q	0.148	Likely Benign
SCN1A	2	166897879	A	T	759	H	Q	0.148	Likely Benign
SCN1A	2	166897878	C	A	760	V	F	0.098	Likely Benign
SCN1A	2	166897878	C	G	760	V	L	0.133	Likely Benign
SCN1A	2	166897878	C	T	760	V	I	0.055	Likely Benign
SCN1A	2	166897877	A	C	760	V	G	0.266	Likely Benign
SCN1A	2	166897877	A	G	760	V	A	0.202	Likely Benign
SCN1A	2	166897877	A	T	760	V	D	0.413	Likely Benign
SCN1A	2	166897875	C	A	761	V	F	0.958	Likely Pathogenic
SCN1A	2	166897875	C	G	761	V	L	0.316	Likely Benign
SCN1A	2	166897875	C	T	761	V	I	0.294	Likely Benign
SCN1A	2	166897874	A	C	761	V	G	0.973	Likely Pathogenic
SCN1A	2	166897874	A	G	761	V	A	0.898	Likely Pathogenic
SCN1A	2	166897874	A	T	761	V	D	0.977	Likely Pathogenic
SCN1A	2	166897872	T	A	762	N	Y	0.221	Likely Benign
SCN1A	2	166897872	T	C	762	N	D	0.357	Likely Benign
SCN1A	2	166897872	T	G	762	N	H	0.157	Likely Benign
SCN1A	2	166897871	T	A	762	N	I	0.711	Likely Benign
SCN1A	2	166897871	T	C	762	N	S	0.170	Likely Benign
SCN1A	2	166897871	T	G	762	N	T	0.479	Likely Benign
SCN1A	2	166897870	G	C	762	N	K	0.114	Likely Benign
SCN1A	2	166897870	G	T	762	N	K	0.117	Likely Benign
SCN1A	2	166897869	G	C	763	L	V	0.491	Likely Benign
SCN1A	2	166897869	G	T	763	L	M	0.243	Likely Benign
SCN1A	2	166897868	A	C	763	L	R	0.814	Likely Pathogenic
SCN1A	2	166897868	A	G	763	L	P	0.951	Likely Pathogenic
SCN1A	2	166897868	A	T	763	L	Q	0.942	Likely Pathogenic
SCN1A	2	166897866	C	A	764	V	F	0.225	Likely Benign
SCN1A	2	166897866	C	G	764	V	L	0.236	Likely Benign
SCN1A	2	166897866	C	T	764	V	I	0.053	Likely Benign
SCN1A	2	166897865	A	C	764	V	G	0.870	Likely Pathogenic
SCN1A	2	166897865	A	T	764	V	A	0.722	Likely Benign

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166187895	G	A	735	M	I	0.045	Likely Benign
SCN2A	2	166187895	G	C	735	M	I	0.045	Likely Benign
SCN2A	2	166187895	G	T	735	M	I	0.045	Likely Benign
SCN2A	2	166187896	T	A	736	C	S	0.316	Likely Benign
SCN2A	2	166187896	T	C	736	C	R	0.424	Likely Benign
SCN2A	2	166187896	T	G	736	C	G	0.358	Likely Benign
SCN2A	2	166187897	G	A	736	C	Y	0.051	Likely Benign
SCN2A	2	166187897	G	C	736	C	S	0.233	Likely Benign
SCN2A	2	166187897	G	T	736	C	F	0.023	Likely Benign
SCN2A	2	166187898	T	G	736	C	W	0.274	Likely Benign
SCN2A	2	166187899	T	A	737	L	M	0.955	Likely Pathogenic
SCN2A	2	166187899	T	C	737	L	V	0.915	Likely Pathogenic
SCN2A	2	166187900	T	C	737	L	S	0.952	Likely Pathogenic
SCN2A	2	166187900	T	G	737	L	W	0.961	Likely Pathogenic
SCN2A	2	166187901	G	T	737	L	F	0.875	Likely Pathogenic
SCN2A	2	166187901	G	T	737	L	F	0.875	Likely Pathogenic
SCN2A	2	166187902	A	C	738	I	L	0.937	Likely Pathogenic
SCN2A	2	166187902	A	G	738	I	V	0.229	Likely Benign
SCN2A	2	166187902	A	T	738	I	F	0.961	Likely Pathogenic
SCN2A	2	166187903	T	A	738	I	N	0.964	Likely Pathogenic
SCN2A	2	166187903	T	C	738	I	T	0.882	Likely Pathogenic
SCN2A	2	166187903	T	G	738	I	S	0.941	Likely Pathogenic
SCN2A	2	166187904	T	G	738	I	M	0.926	Likely Pathogenic
SCN2A	2	166187905	A	T	739	W	R	0.972	Likely Pathogenic
SCN2A	2	166187905	T	C	739	W	R	0.973	Likely Pathogenic
SCN2A	2	166187905	T	G	739	W	G	0.982	Likely Pathogenic
SCN2A	2	166187906	G	C	739	W	S	0.974	Likely Pathogenic
SCN2A	2	166187906	G	T	739	W	L	0.974	Likely Pathogenic
SCN2A	2	166187907	G	C	739	W	C	0.984	Likely Pathogenic
SCN2A	2	166187907	G	T	739	W	C	0.984	Likely Pathogenic
SCN2A	2	166187908	A	C	740	D	N	0.192	Likely Benign
SCN2A	2	166187908	G	C	740	D	H	0.879	Likely Pathogenic
SCN2A	2	166187908	G	T	740	D	Y	0.898	Likely Pathogenic
SCN2A	2	166187909	A	C	740	D	A	0.859	Likely Pathogenic
SCN2A	2	166187909	A	G	740	D	G	0.836	Likely Pathogenic
SCN2A	2	166187909	A	T	740	D	V	0.879	Likely Pathogenic
SCN2A	2	166187910	C	A	740	D	E	0.154	Likely Benign
SCN2A	2	166187910	C	G	740	D	E	0.152	Likely Benign
SCN2A	2	166187911	T	A	741	C	S	0.952	Likely Pathogenic
SCN2A	2	166187911	T	C	741	C	R	0.98	Likely Pathogenic
SCN2A	2	166187911	T	G	741	C	G	0.973	Likely Pathogenic
SCN2A	2	166187912	G	A	741	C	Y	0.976	Likely Pathogenic
SCN2A	2	166187912	G	C	741	C	S	0.955	Likely Pathogenic
SCN2A	2	166187912	G	T	741	C	F	0.975	Likely Pathogenic
SCN2A	2	166187913	T	G	741	C	W	0.982	Likely Pathogenic
SCN2A	2	166187914	T	A	742	C	S	0.138	Likely Benign
SCN2A	2	166187914	T	C	742	C	R	0.822	Likely Pathogenic
SCN2A	2	166187914	T	G	742	C	G	0.376	Likely Benign
SCN2A	2	166187915	G	A	742	C	Y	0.732	Likely Benign
SCN2A	2	166187915	G	C	742	C	S	0.145	Likely Benign
SCN2A	2	166187915	G	T	742	C	F	0.806	Likely Pathogenic
SCN2A	2	166187916	T	G	742	C	W	0.337	Likely Benign
SCN2A	2	166187917	A	C	743	K	Q	0.113	Likely Benign
SCN2A	2	166187917	A	G	743	K	E	0.043	Likely Benign
SCN2A	2	166187918	A	C	743	K	T	0.121	Likely Benign
SCN2A	2	166187918	A	G	743	K	R	0.124	Likely Benign
SCN2A	2	166187918	A	T	743	K	I	0.128	Likely Benign
SCN2A	2	166187919	A	C	743	K	N	0.12	Likely Benign
SCN2A	2	166187919	A	T	743	K	N	0.126	Likely Benign
SCN2A	2	166187920	C	A	744	P	T	0.169	Likely Benign
SCN2A	2	166187920	C	G	744	P	A	0.105	Likely Benign
SCN2A	2	166187920	C	T	744	P	S	0.134	Likely Benign
SCN2A	2	166187921	C	A	744	P	Q	0.194	Likely Benign
SCN2A	2	166187921	C	G	744	P	R	0.135	Likely Benign
SCN2A	2	166187921	C	T	744	P	L	0.082	Likely Benign
SCN2A	2	166187923	T	C	745	W	R	0.974	Likely Pathogenic
SCN2A	2	166187923	T	C	745	W	R	0.974	Likely Pathogenic
SCN2A	2	166187923	T	G	745	W	G	0.983	Likely Pathogenic
SCN2A	2	166187924	G	A	745	W	S	0.977	Likely Pathogenic
SCN2A	2	166187924	G	T	745	W	L	0.977	Likely Pathogenic
SCN2A	2	166187925	G	C	745	W	C	0.985	Likely Pathogenic
SCN2A	2	166187925	G	T	745	W	C	0.985	Likely Pathogenic
SCN2A	2	166187926	T	A	746	L	I	0.189	Likely Benign
SCN2A	2	166187926	T	G	746	L	V	0.242	Likely Benign
SCN2A	2	166187927	T	C	746	L	S	0.727	Likely Benign
SCN2A	2	166187928	A	C	746	L	F	0.803	Likely Pathogenic
SCN2A	2	166187928	A	T	746	L	F	0.805	Likely Pathogenic
SCN2A	2	166187929	A	C	747	K	Q	0.363	Likely Benign
SCN2A	2	166187929	A	G	747	K	E	0.467	Likely Benign
SCN2A	2	166187930	A	C	747	K	T	0.558	Likely Benign
SCN2A	2	166187930	A	G	747	K	R	0.245	Likely Benign
SCN2A	2	166187930	A	T	747	K	M	0.907	Likely Pathogenic
SCN2A	2	166187931	G	C	747	K	N	0.891	Likely Pathogenic
SCN2A	2	166187931	G	T	747	K	N	0.896	Likely Pathogenic
SCN2A	2	166187932	G	A	748	V	M	0.405	Likely Benign
SCN2A	2	166187932	G	C	748	V	L	0.126	Likely Benign
SCN2A	2	166187932	G	T	748	V	L	0.126	Likely Benign
SCN2A	2	166187933	T	A	748	V	E	0.723	Likely Benign
SCN2A	2	166187933	T	C	748	V	A	0.458	Likely Benign
SCN2A	2	166187933	T	G	748	V	G	0.77	Likely Benign
SCN2A	2	166187935	A	C	749	K	Q	0.479	Likely Benign
SCN2A	2	166187935	A	G	749	K	E	0.856	Likely Pathogenic
SCN2A	2	166187936	A	C	749	K	T	0.954	Likely Pathogenic
SCN2A	2	166187936	A	G	749	K	R	0.779	Likely Benign
SCN2A	2	166187936	A	T	749	K	I	0.964	Likely Pathogenic
SCN2A	2	166187937	A	C	749	K	N	0.912	Likely Pathogenic
SCN2A	2	166187937	A	T	749	K	N	0.914	Likely Pathogenic
SCN2A	2	166187938	C	A	750	H	N	0.122	Likely Benign
SCN2A	2	166187938	C	G	750	H	D	0.196	Likely Benign
SCN2A	2	166187938	C	T	750	H	Y	0.23	Likely Benign
SCN2A	2	166187939	A	C	750	H	P	0.273	Likely Benign
SCN2A	2	166187939	A	G	750	H	R	0.09	Likely Benign
SCN2A	2	166187939	A	T	750	H	L	0.211	Likely Benign
SCN2A	2	166187940	C	A	750	H	Q	0.139	Likely Benign
SCN2A	2	166187940	C	G	750	H	Q	0.139	Likely Benign
SCN2A	2	166187941	C	A	751	L	I	0.052	Likely Benign
SCN2A	2	166187941	C	G	751	L	V	0.096	Likely Benign
SCN2A	2	166187941	C	T	751	L	F	0.107	Likely Benign
SCN2A	2	166187942	T	A	751	L	H	0.307	Likely Benign
SCN2A	2	166187942	T	C	751	L	P	0.368	Likely Benign
SCN2A	2	166187942	T	G	751	L	R	0.257	Likely Benign
SCN2A	2	166187944	G	A	752	V	I	0.235	Likely Benign
SCN2A	2	166187944	G	C	752	V	L	0.218	Likely Benign
SCN2A	2	166187944	G	T	752	V	F	0.736	Likely Benign
SCN2A	2	166187945	T	A	752	V	D	0.929	Likely Pathogenic
SCN2A	2	166187945	T	C	752	V	A	0.521	Likely Benign
SCN2A	2	166187945	T	G	752	V	G	0.925	Likely Pathogenic
SCN2A	2	166187947	A	C	753	N	H	0.181	Likely Benign
SCN2A	2	166187947	A	G	753	N	D	0.237	Likely Benign
SCN2A	2	166187947	A	T	753	N	Y	0.182	Likely Benign
SCN2A	2	166187948	A	C	753	N	T	0.372	Likely Benign
SCN2A	2	166187948	A	G	753	N	S	0.165	Likely Benign
SCN2A	2	166187948	A	T	753	N	I	0.62	Likely Benign
SCN2A	2	166187949	C	A	753	N	K	0.109	Likely Benign
SCN2A	2	166187949	C	G	753	N	K	0.104	Likely Benign
SCN2A	2	166187950	G	A	754	L	M	0.202	Likely Benign
SCN2A	2	166187950	C	G	754	L	V	0.295	Likely Benign
SCN2A	2	166187951	T	A	754	L	Q	0.709	Likely Benign
SCN2A	2	166187951	T	C	754	L	R	0.843	Likely Pathogenic
SCN2A	2	166187951	T	G	754	L	R	0.402	Likely Benign
SCN2A	2	166187953	G	A	755	V	I	0.042	Likely Benign
SCN2A	2	166187953	G	C	755	V	L	0.169	Likely Benign
SCN2A	2	166187953	G	T	755	V	F	0.164	Likely Benign
SCN2A	2	166187954	T	A	755	V	D	0.865	Likely Pathogenic
SCN2A	2	166187954	T	C	755	V	A	0.6	Likely Benign
SCN2A	2	166187954	T	G	755	V	G	0.838	Likely Pathogenic
SCN2A	2	166187956	G	A	756	V	I	0.565	Likely Benign
SCN2A	2	166187956	G	C	756	V	L	0.952	Likely Pathogenic
SCN2A	2	166187956	G	T	756	V	L	0.95	Likely Pathogenic
SCN2A	2	166187957	T	A	756	V	E	0.975	Likely Pathogenic
SCN2A	2	166187957	T	C	756	V	A	0.94	Likely Pathogenic
SCN2A	2	166187957	T	G	756	V	G	0.976	Likely Pathogenic
SCN2A	2	166187959	A	C	757	M	L	0.744	Likely Benign
SCN2A	2	166187959	A	G	757	M	V	0.862	Likely Pathogenic
SCN2A	2	166187959	A	T	757	M	L	0.744	Likely Benign
SCN2A	2	166187960	T	A	757	M	K	0.82	Likely Pathogenic
SCN2A	2	166187960	T	C	757	M	T	0.619	Likely Benign
SCN2A	2	166187960	T	G	757	M	R	0.851	Likely Pathogenic
SCN2A	2	166187961	G	A	757	M	I	0.953	Likely Pathogenic
SCN2A	2	166187961	G	C	757	M	I	0.953	Likely Pathogenic
SCN2A	2	166187961	G	T	757	M	I	0.952	Likely Pathogenic
SCN2A	2	166187962	A	C	758	D	N	0.921	Likely Pathogenic
SCN2A	2	166187962	G	C	758	D	H	0.935	Likely Pathogenic
SCN2A	2	166187962	G	T	758	D	Y	0.973	Likely Pathogenic
SCN2A	2	166187963	A	C	758	D	A	0.96	Likely Pathogenic
SCN2A	2	166187963	A	G	758	D	G	0.976	Likely Pathogenic
SCN2A	2	166187963	A	T	758	D	V	0.981	Likely Pathogenic
SCN2A	2	166187964	C	A	758	D	E	0.973	Likely Pathogenic
SCN2A	2	166187964	C	G	758	D	E	0.974	Likely Pathogenic
SCN2A	2	166187965	C	A	759	P	T	0.983	Likely Pathogenic
SCN2A	2	166187965	C	G	759	P	A	0.944	Likely Pathogenic
SCN2A	2	166187965	C	T	759	P	S	0.966	Likely Pathogenic
SCN2A	2	166187966	C	A	759	P	Q	0.976	Likely Pathogenic
SCN2A	2	166187966	C	G	759	P	R	0.954	Likely Pathogenic
SCN2A	2	166187966	C	T	759	P	L	0.973	Likely Pathogenic
SCN2A	2	166187968	T	A	760	F	I	0.906	Likely Pathogenic
SCN2A	2	166187968	T	C	760	F	L	0.695	Likely Benign
SCN2A	2	166187968

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166897865	A	T	764	V	D	0.886	Likely Pathogenic
SCN1A	2	166897863	C	A	765	V	L	0.986	Likely Pathogenic
SCN1A	2	166897863	C	G	765	V	L	0.986	Likely Pathogenic
SCN1A	2	166897863	C	T	765	V	M	0.968	Likely Pathogenic
SCN1A	2	166897862	A	C	765	V	G	0.987	Likely Pathogenic
SCN1A	2	166897862	A	G	765	V	A	0.986	Likely Pathogenic
SCN1A	2	166897862	A	T	765	V	E	0.987	Likely Pathogenic
SCN1A	2	166897860	T	A	766	M	L	0.861	Likely Pathogenic
SCN1A	2	166897860	T	C	766	M	V	0.948	Likely Pathogenic
SCN1A	2	166897860	T	G	766	M	L	0.860	Likely Pathogenic
SCN1A	2	166897859	A	C	766	M	R	0.932	Likely Pathogenic
SCN1A	2	166897859	A	G	766	M	T	0.822	Likely Pathogenic
SCN1A	2	166897859	A	T	766	M	K	0.920	Likely Pathogenic
SCN1A	2	166897858	C	A	766	M	I	0.976	Likely Pathogenic
SCN1A	2	166897858	C	G	766	M	I	0.976	Likely Pathogenic
SCN1A	2	166897858	C	T	766	M	I	0.976	Likely Pathogenic
SCN1A	2	166897857	C	A	767	D	Y	0.987	Likely Pathogenic
SCN1A	2	166897857	C	G	767	D	H	0.972	Likely Pathogenic
SCN1A	2	166897857	C	T	767	D	N	0.974	Likely Pathogenic
SCN1A	2	166897856	T	A	767	D	V	0.985	Likely Pathogenic
SCN1A	2	166897856	T	C	767	D	G	0.985	Likely Pathogenic
SCN1A	2	166897856	T	G	767	D	A	0.976	Likely Pathogenic
SCN1A	2	166897855	G	C	767	D	E	0.983	Likely Pathogenic
SCN1A	2	166897855	G	T	767	D	E	0.983	Likely Pathogenic
SCN1A	2	166897854	G	A	768	P	S	0.985	Likely Pathogenic
SCN1A	2	166897854	G	C	768	P	A	0.977	Likely Pathogenic
SCN1A	2	166897854	G	T	768	P	T	0.989	Likely Pathogenic
SCN1A	2	166897853	A	C	768	P	L	0.989	Likely Pathogenic
SCN1A	2	166897853	G	C	768	P	R	0.983	Likely Pathogenic
SCN1A	2	166897853	G	T	768	P	Q	0.989	Likely Pathogenic
SCN1A	2	166897851	A	C	769	F	V	0.976	Likely Pathogenic
SCN1A	2	166897851	A	G	769	F	L	0.921	Likely Pathogenic
SCN1A	2	166897851	A	T	769	F	I	0.975	Likely Pathogenic
SCN1A	2	166897850	A	C	769	F	C	0.986	Likely Pathogenic
SCN1A	2	166897850	A	G	769	F	S	0.981	Likely Pathogenic
SCN1A	2	166897850	A	T	769	F	Y	0.981	Likely Pathogenic
SCN1A	2	166897849	A	C	769	F	L	0.909	Likely Pathogenic
SCN1A	2	166897849	A	T	769	F	L	0.909	Likely Pathogenic
SCN1A	2	166897848	C	A	770	V	F	0.894	Likely Pathogenic
SCN1A	2	166897848	C	G	770	V	L	0.752	Likely Benign
SCN1A	2	166897848	C	T	770	V	I	0.800	Likely Pathogenic
SCN1A	2	166897847	A	C	770	V	G	0.957	Likely Pathogenic
SCN1A	2	166897847	A	G	770	V	A	0.463	Likely Benign
SCN1A	2	166897847	A	T	770	V	D	0.968	Likely Pathogenic
SCN1A	2	166897845	C	A	771	D	Y	0.987	Likely Pathogenic
SCN1A	2	166897845	C	G	771	D	H	0.987	Likely Pathogenic
SCN1A	2	166897845	C	T	771	D	N	0.986	Likely Pathogenic
SCN1A	2	166897844	T	A	771	D	V	0.985	Likely Pathogenic
SCN1A	2	166897844	T	C	771	D	G	0.985	Likely Pathogenic
SCN1A	2	166897844	T	G	771	D	A	0.984	Likely Pathogenic
SCN1A	2	166897843	G	C	771	D	E	0.689	Likely Benign
SCN1A	2	166897843	G	T	771	D	E	0.690	Likely Benign
SCN1A	2	166897842	G	C	772	L	V	0.959	Likely Pathogenic
SCN1A	2	166897842	G	T	772	L	M	0.982	Likely Pathogenic
SCN1A	2	166897841	A	C	772	L	R	0.986	Likely Pathogenic
SCN1A	2	166897841	A	G	772	L	P	0.989	Likely Pathogenic
SCN1A	2	166897841	A	T	772	L	Q	0.989	Likely Pathogenic
SCN1A	2	166897839	C	A	773	A	S	0.762	Likely Benign
SCN1A	2	166897839	C	G	773	A	P	0.908	Likely Pathogenic
SCN1A	2	166897839	C	T	773	A	T	0.303	Likely Benign
SCN1A	2	166897838	G	A	773	A	V	0.694	Likely Benign
SCN1A	2	166897838	G	C	773	A	G	0.294	Likely Benign
SCN1A	2	166897838	G	T	773	A	D	0.922	Likely Pathogenic
SCN1A	2	166897836	T	A	774	I	F	0.987	Likely Pathogenic
SCN1A	2	166897836	T	C	774	I	V	0.940	Likely Pathogenic
SCN1A	2	166897836	T	G	774	I	L	0.943	Likely Pathogenic
SCN1A	2	166897835	A	C	774	I	S	0.988	Likely Pathogenic
SCN1A	2	166897835	A	G	774	I	T	0.987	Likely Pathogenic
SCN1A	2	166897835	A	T	774	I	N	0.988	Likely Pathogenic
SCN1A	2	166897834	G	C	774	I	M	0.985	Likely Pathogenic
SCN1A	2	166897833	T	A	775	T	S	0.978	Likely Pathogenic
SCN1A	2	166897833	T	C	775	T	A	0.973	Likely Pathogenic
SCN1A	2	166897833	T	G	775	T	P	0.984	Likely Pathogenic
SCN1A	2	166897832	G	A	775	T	I	0.972	Likely Pathogenic
SCN1A	2	166897832	G	C	775	T	S	0.985	Likely Pathogenic
SCN1A	2	166897832	G	T	775	T	N	0.985	Likely Pathogenic
SCN1A	2	166897830	T	A	776	I	F	0.967	Likely Pathogenic
SCN1A	2	166897830	T	C	776	I	V	0.761	Likely Benign
SCN1A	2	166897830	T	G	776	I	L	0.547	Likely Benign
SCN1A	2	166897829	A	C	776	I	S	0.982	Likely Pathogenic
SCN1A	2	166897829	A	G	776	I	T	0.977	Likely Pathogenic
SCN1A	2	166897829	A	T	776	I	N	0.983	Likely Pathogenic
SCN1A	2	166897828	G	C	776	I	M	0.928	Likely Pathogenic
SCN1A	2	166897827	A	C	777	C	G	0.987	Likely Pathogenic
SCN1A	2	166897827	A	G	777	C	R	0.987	Likely Pathogenic
SCN1A	2	166897827	A	T	777	C	S	0.976	Likely Pathogenic
SCN1A	2	166897826	C	A	777	C	F	0.987	Likely Pathogenic
SCN1A	2	166897826	C	G	777	C	S	0.975	Likely Pathogenic
SCN1A	2	166897826	C	T	777	C	Y	0.987	Likely Pathogenic
SCN1A	2	166897825	A	C	777	C	W	0.988	Likely Pathogenic
SCN1A	2	166897824	A	G	778	I	F	0.989	Likely Pathogenic
SCN1A	2	166897824	T	C	778	I	V	0.984	Likely Pathogenic
SCN1A	2	166897824	T	G	778	I	L	0.974	Likely Pathogenic
SCN1A	2	166897823	A	C	778	I	S	0.990	Likely Pathogenic
SCN1A	2	166897823	A	G	778	I	T	0.990	Likely Pathogenic
SCN1A	2	166897823	A	T	778	I	N	0.990	Likely Pathogenic
SCN1A	2	166897822	A	C	778	I	M	0.989	Likely Pathogenic
SCN1A	2	166897821	C	A	779	V	F	0.980	Likely Pathogenic
SCN1A	2	166897821	C	G	779	V	L	0.921	Likely Pathogenic
SCN1A	2	166897821	C	T	779	V	I	0.526	Likely Benign
SCN1A	2	166897820	A	C	779	V	G	0.981	Likely Pathogenic
SCN1A	2	166897820	A	G	779	V	A	0.944	Likely Pathogenic
SCN1A	2	166897820	A	T	779	V	D	0.984	Likely Pathogenic
SCN1A	2	166897818	A	C	780	L	V	0.397	Likely Benign
SCN1A	2	166897818	A	T	780	L	I	0.519	Likely Benign
SCN1A	2	166897817	A	G	780	L	S	0.964	Likely Pathogenic
SCN1A	2	166897816	T	A	780	L	F	0.941	Likely Pathogenic
SCN1A	2	166897816	T	G	780	L	F	0.941	Likely Pathogenic
SCN1A	2	166897815	T	A	781	N	Y	0.989	Likely Pathogenic
SCN1A	2	166897815	T	C	781	N	D	0.985	Likely Pathogenic
SCN1A	2	166897815	T	G	781	N	H	0.986	Likely Pathogenic
SCN1A	2	166897814	T	A	781	N	I	0.988	Likely Pathogenic
SCN1A	2	166897814	T	C	781	N	S	0.981	Likely Pathogenic
SCN1A	2	166897814	T	G	781	N	T	0.987	Likely Pathogenic
SCN1A	2	166897813	A	C	781	N	K	0.988	Likely Pathogenic
SCN1A	2	166897813	A	T	781	N	K	0.988	Likely Pathogenic
SCN1A	2	166897812	A	C	782	T	S	0.979	Likely Pathogenic
SCN1A	2	166897812	T	C	782	T	A	0.980	Likely Pathogenic
SCN1A	2	166897812	T	G	782	T	P	0.982	Likely Pathogenic
SCN1A	2	166897811	G	A	782	T	I	0.964	Likely Pathogenic
SCN1A	2	166897811	G	C	782	T	S	0.987	Likely Pathogenic
SCN1A	2	166897811	G	T	782	T	N	0.987	Likely Pathogenic
SCN1A	2	166897809	G	A	783	L	F	0.832	Likely Pathogenic
SCN1A	2	166897809	G	C	783	L	V	0.297	Likely Benign
SCN1A	2	166897809	G	T	783	L	I	0.343	Likely Benign
SCN1A	2	166897808	A	C	783	L	R	0.961	Likely Pathogenic
SCN1A	2	166897808	A	G	783	L	P	0.970	Likely Pathogenic
SCN1A	2	166897808	A	T	783	L	H	0.958	Likely Pathogenic
SCN1A	2	166897806	A	C	784	F	V	0.982	Likely Pathogenic
SCN1A	2	166897806	A	G	784	F	L	0.986	Likely Pathogenic
SCN1A	2	166897806	A	T	784	F	I	0.986	Likely Pathogenic
SCN1A	2	166897805	A	C	784	F	C	0.983	Likely Pathogenic
SCN1A	2	166897805	A	G	784	F	S	0.984	Likely Pathogenic
SCN1A	2	166897805	A	T	784	F	Y	0.982	Likely Pathogenic
SCN1A	2	166897804	G	C	784	F	L	0.974	Likely Pathogenic
SCN1A	2	166897804	G	T	784	F	L	0.973	Likely Pathogenic
SCN1A	2	166897803	T	A	785	M	L	0.849	Likely Pathogenic
SCN1A	2	166897803	T	C	785	M	V	0.973	Likely Pathogenic
SCN1A	2	166897803	T	G	785	M	L	0.844	Likely Pathogenic
SCN1A	2	166897802	A	C	785	M	R	0.985	Likely Pathogenic
SCN1A	2	166897802	A	G	785	M	T	0.981	Likely Pathogenic
SCN1A	2	166897802	A	T	785	M	K	0.985	Likely Pathogenic
SCN1A	2	166897801	C	A	785	M	I	0.985	Likely Pathogenic
SCN1A	2	166897801	C	G	785	M	I	0.985	Likely Pathogenic
SCN1A	2	166897801	C	T	785	M	I	0.985	Likely Pathogenic
SCN1A	2	166897800	C	A	786	A	S	0.968	Likely Pathogenic
SCN1A	2	166897800	C	G	786	A	P	0.985	Likely Pathogenic
SCN1A	2	166897800	C	T	786	A	T	0.974	Likely Pathogenic
SCN1A	2	166897799	G	A	786	A	V	0.988	Likely Pathogenic
SCN1A	2	166897799	G	C	786	A	G	0.979	Likely Pathogenic
SCN1A	2	166897799	G	T	786	A	D	0.988	Likely Pathogenic
SCN1A	2	166897797	A	C	787	M	L	0.249	Likely Benign
SCN1A	2	166897797	T	C	787	M	V	0.819	Likely Pathogenic
SCN1A	2	166897797	T	G	787	M	L	0.233	Likely Benign
SCN1A	2	166897796	A	C	787	M	R	0.974	Likely Pathogenic
SCN1A	2	166897796	A	G	787	M	T	0.958	Likely Pathogenic
SCN1A	2	166897796	A	T	787	M	K	0.972	Likely Pathogenic
SCN1A	2	166897795	C	A	787	M	I	0.949	Likely Pathogenic
SCN1A	2	166897795	C	G	787	M	I	0.950	Likely Pathogenic
SCN1A	2	166897795	C	T	787	M	I	0.950	Likely Pathogenic
SCN1A	2	166897794	C	G	788	E	Q	0.986	Likely Pathogenic
SCN1A	2	166897794	C	T	788	E	K	0.987	Likely Pathogenic
SCN1A	2	166897793	T	A	788	E	V	0.979	Likely Pathogenic
SCN1A	2	166897793	T	C	788	E	G	0.985	Likely Pathogenic
SCN1A	2	166897793	T	G	788	E	A	0.985	Likely Pathogenic
SCN1A	2	166897792	C	A	788	E	D	0.758	Likely Benign
SCN1A	2	166897792	C	G	788	E	D	0.758	Likely Benign
SCN1A	2	166897791	A	G	789	H	Y	0.888	Likely Pathogenic
SCN1A	2	166897791	G	C	789	H	D	0.979	Likely Pathogenic
SCN1A	2	166897791	G	T	789	H	N	0.977	Likely Pathogenic
SCN1A	2	166897790	T	A	789	H	L	0.972	Likely Pathogenic
SCN1A	2	166897790	T	C	789	H	R	0.948	Likely Pathogenic
SCN1A	2	166897790	T	G	789	H	P	0.971	Likely Pathogenic
SCN1A	2	166897789	G	C	789	H	Q	0.904	Likely Pathogenic
SCN1A	2	166897789	G	T	789	H	Q	0.906	Likely Pathogenic
SCN1A	2	166897788	A	C	790	Y	D	0.968	Likely Pathogenic
SCN1A	2	166897788	A	G	790	Y	H	0.366	Likely Benign
SCN1A	2	166897788	A	T	790	Y	N	0.931	Likely Pathogenic
SCN1A	2	166897787	T	A	790	Y	F	0.923	Likely Pathogenic
SCN1A	2	166897787	T	C	790	Y	C	0.981	Likely Pathogenic
SCN1A	2	166897787	T	G	790	Y	S	0.963	Likely Pathogenic
SCN1A	2	166897785	G	A	791	P	S	0.977	Likely Pathogenic
SCN1A	2	166897785	G	C	791	P	A	0.980	Likely Pathogenic
SCN1A	2	166897785	G	T	791	P	T	0.980	Likely Pathogenic
SCN1A	2	166897784	G	A	791	P	L	0.979	Likely Pathogenic
SCN1A	2	166897784	G	C	791	P	R	0.980	Likely Pathogenic
SCN1A	2	166897784	G	T	791	P	Q	0.979	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166187977	C	A	763	L	M	0.946	Likely Pathogenic
SCN2A	2	166187977	C	G	763	L	V	0.912	Likely Pathogenic
SCN2A	2	166187978	T	A	763	L	Q	0.972	Likely Pathogenic
SCN2A	2	166187978	T	C	763	L	P	0.98	Likely Pathogenic
SCN2A	2	166187978	T	G	763	L	R	0.954	Likely Pathogenic
SCN2A	2	166187980	G	A	764	A	T	0.413	Likely Benign
SCN2A	2	166187980	G	C	764	A	P	0.66	Likely Benign
SCN2A	2	166187980	G	T	764	A	S	0.677	Likely Benign
SCN2A	2	166187981	C	A	764	A	D	0.867	Likely Pathogenic
SCN2A	2	166187981	C	G	764	A	G	0.277	Likely Benign
SCN2A	2	166187981	C	T	764	A	V	0.719	Likely Benign
SCN2A	2	166187983	A	C	765	I	L	0.769	Likely Benign
SCN2A	2	166187983	A	G	765	I	V	0.682	Likely Benign
SCN2A	2	166187983	A	T	765	I	F	0.979	Likely Pathogenic
SCN2A	2	166187984	T	A	765	I	N	0.983	Likely Pathogenic
SCN2A	2	166187984	T	C	765	I	T	0.973	Likely Pathogenic
SCN2A	2	166187984	T	G	765	I	S	0.978	Likely Pathogenic
SCN2A	2	166187985	C	T	765	I	M	0.958	Likely Pathogenic
SCN2A	2	166187986	A	C	766	T	P	0.978	Likely Pathogenic
SCN2A	2	166187986	A	G	766	T	A	0.938	Likely Pathogenic
SCN2A	2	166187986	A	T	766	T	S	0.961	Likely Pathogenic
SCN2A	2	166187987	C	A	766	T	N	0.981	Likely Pathogenic
SCN2A	2	166187987	C	G	766	T	S	0.982	Likely Pathogenic
SCN2A	2	166187987	C	T	766	T	I	0.962	Likely Pathogenic
SCN2A	2	166187989	A	C	767	I	L	0.317	Likely Benign
SCN2A	2	166187989	A	G	767	I	V	0.482	Likely Benign
SCN2A	2	166187989	A	T	767	I	F	0.954	Likely Pathogenic
SCN2A	2	166187990	T	A	767	I	N	0.974	Likely Pathogenic
SCN2A	2	166187990	T	C	767	I	T	0.967	Likely Pathogenic
SCN2A	2	166187990	T	G	767	I	S	0.978	Likely Pathogenic
SCN2A	2	166187991	C	G	767	I	M	0.683	Likely Pathogenic
SCN2A	2	166187992	T	A	768	C	S	0.95	Likely Pathogenic
SCN2A	2	166187992	T	C	768	C	R	0.982	Likely Pathogenic
SCN2A	2	166187992	T	G	768	C	G	0.98	Likely Pathogenic
SCN2A	2	166187993	G	A	768	C	Y	0.949	Likely Pathogenic
SCN2A	2	166187993	G	C	768	C	S	0.847	Likely Pathogenic
SCN2A	2	166187993	G	T	768	C	F	0.962	Likely Pathogenic
SCN2A	2	166187994	C	G	768	C	W	0.971	Likely Pathogenic
SCN2A	2	166187995	A	C	769	I	L	0.933	Likely Pathogenic
SCN2A	2	166187995	A	G	769	I	V	0.959	Likely Pathogenic
SCN2A	2	166187995	A	T	769	I	F	0.983	Likely Pathogenic
SCN2A	2	166187996	T	A	769	I	N	0.986	Likely Pathogenic
SCN2A	2	166187996	T	C	769	I	T	0.982	Likely Pathogenic
SCN2A	2	166187996	T	G	769	I	S	0.985	Likely Pathogenic
SCN2A	2	166187997	T	G	769	I	M	0.98	Likely Pathogenic
SCN2A	2	166187998	G	A	770	V	I	0.369	Likely Benign
SCN2A	2	166187998	G	C	770	V	L	0.786	Likely Pathogenic
SCN2A	2	166187998	G	T	770	V	F	0.93	Likely Pathogenic
SCN2A	2	166187999	T	A	770	V	D	0.973	Likely Pathogenic
SCN2A	2	166187999	T	C	770	V	A	0.883	Likely Pathogenic
SCN2A	2	166187999	T	G	770	V	G	0.97	Likely Pathogenic
SCN2A	2	166188001	T	A	771	L	I	0.747	Likely Benign
SCN2A	2	166188001	T	G	771	L	V	0.567	Likely Benign
SCN2A	2	166188002	T	C	771	L	S	0.914	Likely Pathogenic
SCN2A	2	166188003	A	C	771	L	F	0.968	Likely Pathogenic
SCN2A	2	166188003	A	T	771	L	F	0.968	Likely Pathogenic
SCN2A	2	166188004	A	C	772	N	H	0.976	Likely Pathogenic
SCN2A	2	166188004	A	G	772	N	D	0.975	Likely Pathogenic
SCN2A	2	166188004	A	T	772	N	Y	0.984	Likely Pathogenic
SCN2A	2	166188005	A	C	772	N	T	0.977	Likely Pathogenic
SCN2A	2	166188005	A	G	772	N	S	0.965	Likely Pathogenic
SCN2A	2	166188005	A	T	772	N	I	0.984	Likely Pathogenic
SCN2A	2	166188006	T	A	772	N	K	0.977	Likely Pathogenic
SCN2A	2	166188006	T	G	772	N	K	0.977	Likely Pathogenic
SCN2A	2	166188007	A	C	773	T	P	0.967	Likely Pathogenic
SCN2A	2	166188007	A	G	773	T	A	0.95	Likely Pathogenic
SCN2A	2	166188007	A	T	773	T	S	0.945	Likely Pathogenic
SCN2A	2	166188008	C	A	773	T	K	0.969	Likely Pathogenic
SCN2A	2	166188008	C	G	773	T	R	0.97	Likely Pathogenic
SCN2A	2	166188008	C	T	773	T	I	0.868	Likely Pathogenic
SCN2A	2	166188010	C	A	774	L	I	0.437	Likely Benign
SCN2A	2	166188010	C	G	774	L	V	0.42	Likely Benign
SCN2A	2	166188010	C	T	774	L	F	0.803	Likely Pathogenic
SCN2A	2	166188011	T	A	774	L	H	0.957	Likely Pathogenic
SCN2A	2	166188011	T	C	774	L	P	0.977	Likely Pathogenic
SCN2A	2	166188011	T	G	774	L	R	0.959	Likely Pathogenic
SCN2A	2	166188013	T	A	775	F	I	0.949	Likely Pathogenic
SCN2A	2	166188013	T	C	775	F	L	0.963	Likely Pathogenic
SCN2A	2	166188013	T	G	775	F	V	0.974	Likely Pathogenic
SCN2A	2	166188014	T	A	775	F	Y	0.962	Likely Pathogenic
SCN2A	2	166188014	T	C	775	F	S	0.977	Likely Pathogenic
SCN2A	2	166188014	T	G	775	F	C	0.974	Likely Pathogenic
SCN2A	2	166188015	C	A	775	F	L	0.908	Likely Pathogenic
SCN2A	2	166188015	C	G	775	F	L	0.908	Likely Pathogenic
SCN2A	2	166188016	A	C	776	M	L	0.733	Likely Benign
SCN2A	2	166188016	A	G	776	M	V	0.949	Likely Pathogenic
SCN2A	2	166188016	A	T	776	M	L	0.733	Likely Benign
SCN2A	2	166188017	T	A	776	M	K	0.968	Likely Pathogenic
SCN2A	2	166188017	T	C	776	M	T	0.962	Likely Pathogenic
SCN2A	2	166188017	T	G	776	M	R	0.968	Likely Pathogenic
SCN2A	2	166188018	G	A	776	M	I	0.959	Likely Pathogenic
SCN2A	2	166188018	G	C	776	M	I	0.959	Likely Pathogenic
SCN2A	2	166188018	G	T	776	M	I	0.958	Likely Pathogenic
SCN2A	2	166188019	G	A	777	A	T	0.936	Likely Pathogenic
SCN2A	2	166188019	G	C	777	A	P	0.976	Likely Pathogenic
SCN2A	2	166188019	G	T	777	A	S	0.929	Likely Pathogenic
SCN2A	2	166188020	C	A	777	A	D	0.976	Likely Pathogenic
SCN2A	2	166188020	C	G	777	A	G	0.906	Likely Pathogenic
SCN2A	2	166188020	C	T	777	A	V	0.968	Likely Pathogenic
SCN2A	2	166188022	A	C	778	M	L	0.177	Likely Benign
SCN2A	2	166188022	A	G	778	M	V	0.476	Likely Benign
SCN2A	2	166188022	A	T	778	M	L	0.177	Likely Benign
SCN2A	2	166188023	T	A	778	M	K	0.946	Likely Pathogenic
SCN2A	2	166188023	T	C	778	M	T	0.908	Likely Pathogenic
SCN2A	2	166188023	T	G	778	M	R	0.947	Likely Pathogenic
SCN2A	2	166188024	G	A	778	M	I	0.528	Likely Benign
SCN2A	2	166188024	G	C	778	M	I	0.533	Likely Benign
SCN2A	2	166188024	G	T	778	M	I	0.528	Likely Benign
SCN2A	2	166188025	G	A	779	E	K	0.979	Likely Pathogenic
SCN2A	2	166188025	G	C	779	E	Q	0.978	Likely Pathogenic
SCN2A	2	166188026	A	C	779	E	A	0.949	Likely Pathogenic
SCN2A	2	166188026	A	G	779	E	G	0.968	Likely Pathogenic
SCN2A	2	166188026	A	T	779	E	V	0.959	Likely Pathogenic
SCN2A	2	166188027	G	C	779	E	D	0.522	Likely Benign
SCN2A	2	166188027	G	T	779	E	D	0.526	Likely Benign
SCN2A	2	166188028	C	A	780	H	N	0.969	Likely Pathogenic
SCN2A	2	166188028	C	G	780	H	D	0.973	Likely Pathogenic
SCN2A	2	166188028	C	T	780	H	Y	0.879	Likely Pathogenic
SCN2A	2	166188029	A	C	780	H	P	0.977	Likely Pathogenic
SCN2A	2	166188029	A	G	780	H	R	0.959	Likely Pathogenic
SCN2A	2	166188029	A	T	780	H	L	0.979	Likely Pathogenic
SCN2A	2	166188030	C	A	780	H	Q	0.945	Likely Pathogenic
SCN2A	2	166188030	C	G	780	H	Q	0.945	Likely Pathogenic
SCN2A	2	166188031	T	A	781	Y	N	0.796	Likely Pathogenic
SCN2A	2	166188031	T	C	781	Y	H	0.259	Likely Benign
SCN2A	2	166188031	T	G	781	Y	D	0.876	Likely Pathogenic
SCN2A	2	166188032	A	C	781	Y	S	0.879	Likely Pathogenic
SCN2A	2	166188032	A	G	781	Y	C	0.887	Likely Pathogenic
SCN2A	2	166188032	A	T	781	Y	F	0.688	Likely Benign
SCN2A	2	166188034	C	A	782	P	T	0.941	Likely Pathogenic
SCN2A	2	166188034	C	G	782	P	A	0.932	Likely Pathogenic
SCN2A	2	166188034	C	T	782	P	S	0.932	Likely Pathogenic
SCN2A	2	166188035	A	C	782	P	H	0.826	Likely Pathogenic
SCN2A	2	166188035	C	G	782	P	R	0.848	Likely Pathogenic
SCN2A	2	166188035	C	T	782	P	L	0.935	Likely Pathogenic
SCN2A	2	166188037	C	A	783	M	L	0.949	Likely Pathogenic
SCN2A	2	166188037	A	G	783	M	V	0.969	Likely Pathogenic
SCN2A	2	166188037	A	T	783	M	L	0.949	Likely Pathogenic
SCN2A	2	166188038	T	A	783	M	K	0.924	Likely Pathogenic
SCN2A	2	166188038	T	C	783	M	T	0.964	Likely Pathogenic
SCN2A	2	166188038	T	G	783	M	R	0.969	Likely Pathogenic
SCN2A	2	166188039	G	A	783	M	I	0.928	Likely Pathogenic
SCN2A	2	166188039	G	C	783	M	I	0.927	Likely Pathogenic
SCN2A	2	166188039	G	T	783	M	I	0.927	Likely Pathogenic
SCN2A	2	166188040	A	C	784	T	P	0.764	Likely Benign
SCN2A	2	166188040	A	G	784	T	A	0.736	Likely Benign
SCN2A	2	166188040	A	T	784	T	S	0.275	Likely Benign
SCN2A	2	166188041	C	A	784	T	K	0.853	Likely Pathogenic
SCN2A	2	166188041	C	G	784	T	R	0.854	Likely Pathogenic
SCN2A	2	166188041	C	T	784	T	M	0.853	Likely Pathogenic
SCN2A	2	166188043	G	A	785	E	K	0.167	Likely Benign
SCN2A	2	166188043	G	C	785	E	Q	0.217	Likely Benign
SCN2A	2	166188044	A	C	785	E	A	0.242	Likely Benign
SCN2A	2	166188044	A	G	785	E	G	0.321	Likely Benign
SCN2A	2	166188044	A	T	785	E	V	0.386	Likely Benign
SCN2A	2	166188045	G	C	785	E	D	0.189	Likely Benign
SCN2A	2	166188045	G	T	785	E	D	0.191	Likely Benign
SCN2A	2	166188046	C	A	786	Q	K	0.231	Likely Benign
SCN2A	2	166188046	C	G	786	Q	E	0.08	Likely Benign
SCN2A	2	166188047	A	C	786	Q

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166897782	T	A	792	M	L	0.981	Likely Pathogenic
SCN1A	2	166897782	T	C	792	M	V	0.982	Likely Pathogenic
SCN1A	2	166897782	T	G	792	M	L	0.981	Likely Pathogenic
SCN1A	2	166897781	A	C	792	M	R	0.986	Likely Pathogenic
SCN1A	2	166897781	A	G	792	M	T	0.986	Likely Pathogenic
SCN1A	2	166897781	A	T	792	M	K	0.974	Likely Pathogenic
SCN1A	2	166897780	C	A	792	M	I	0.953	Likely Pathogenic
SCN1A	2	166897780	C	G	792	M	I	0.953	Likely Pathogenic
SCN1A	2	166897780	C	T	792	M	I	0.953	Likely Pathogenic
SCN1A	2	166897779	T	A	793	T	S	0.328	Likely Benign
SCN1A	2	166897779	T	C	793	T	A	0.853	Likely Pathogenic
SCN1A	2	166897779	T	G	793	T	P	0.902	Likely Pathogenic
SCN1A	2	166897778	G	A	793	T	M	0.953	Likely Pathogenic
SCN1A	2	166897778	G	C	793	T	R	0.928	Likely Pathogenic
SCN1A	2	166897778	G	T	793	T	K	0.946	Likely Pathogenic
SCN1A	2	166897776	C	A	794	D	Y	0.345	Likely Benign
SCN1A	2	166897776	C	G	794	D	H	0.281	Likely Benign
SCN1A	2	166897776	C	T	794	D	N	0.258	Likely Benign
SCN1A	2	166897775	T	A	794	D	V	0.226	Likely Benign
SCN1A	2	166897775	T	C	794	D	G	0.220	Likely Benign
SCN1A	2	166897775	T	G	794	D	A	0.201	Likely Benign
SCN1A	2	166897774	G	C	794	D	E	0.068	Likely Benign
SCN1A	2	166897774	G	T	794	D	E	0.068	Likely Benign
SCN1A	2	166897773	G	A	795	H	Y	0.309	Likely Benign
SCN1A	2	166897773	G	C	795	H	D	0.213	Likely Benign
SCN1A	2	166897773	G	T	795	H	N	0.271	Likely Benign
SCN1A	2	166897772	T	A	795	H	L	0.631	Likely Benign
SCN1A	2	166897772	T	C	795	H	R	0.429	Likely Benign
SCN1A	2	166897772	T	G	795	H	P	0.389	Likely Benign
SCN1A	2	166897771	A	C	795	H	Q	0.176	Likely Benign
SCN1A	2	166897771	A	T	795	H	Q	0.176	Likely Benign
SCN1A	2	166897770	A	C	796	F	V	0.942	Likely Pathogenic
SCN1A	2	166897770	A	G	796	F	L	0.691	Likely Benign
SCN1A	2	166897770	A	T	796	F	I	0.946	Likely Pathogenic
SCN1A	2	166897769	A	C	796	F	C	0.979	Likely Pathogenic
SCN1A	2	166897769	A	G	796	F	S	0.976	Likely Pathogenic
SCN1A	2	166897769	A	T	796	F	Y	0.739	Likely Benign
SCN1A	2	166897768	G	C	796	F	L	0.557	Likely Benign
SCN1A	2	166897768	G	T	796	F	L	0.562	Likely Benign
SCN1A	2	166897767	T	A	797	N	Y	0.877	Likely Pathogenic
SCN1A	2	166897767	T	C	797	N	D	0.201	Likely Benign
SCN1A	2	166897767	T	G	797	N	H	0.547	Likely Benign
SCN1A	2	166897766	T	A	797	N	I	0.591	Likely Benign
SCN1A	2	166897766	T	C	797	N	S	0.173	Likely Benign
SCN1A	2	166897766	T	G	797	N	T	0.326	Likely Benign
SCN1A	2	166897765	A	C	797	N	K	0.217	Likely Benign
SCN1A	2	166897765	A	T	797	N	K	0.217	Likely Benign
SCN1A	2	166897764	T	A	798	N	Y	0.271	Likely Benign
SCN1A	2	166897764	T	C	798	N	D	0.217	Likely Benign
SCN1A	2	166897764	T	G	798	N	H	0.200	Likely Benign
SCN1A	2	166897763	T	A	798	N	I	0.553	Likely Benign
SCN1A	2	166897763	T	C	798	N	S	0.202	Likely Benign
SCN1A	2	166897763	T	G	798	N	T	0.262	Likely Benign
SCN1A	2	166897762	A	C	798	N	K	0.210	Likely Benign
SCN1A	2	166897762	A	T	798	N	K	0.210	Likely Benign
SCN1A	2	166897761	C	A	799	V	L	0.428	Likely Benign
SCN1A	2	166897761	C	G	799	V	L	0.419	Likely Benign
SCN1A	2	166897761	C	T	799	V	M	0.301	Likely Benign
SCN1A	2	166897760	A	C	799	V	G	0.960	Likely Pathogenic
SCN1A	2	166897760	A	G	799	V	A	0.396	Likely Benign
SCN1A	2	166897760	A	T	799	V	E	0.944	Likely Pathogenic
SCN1A	2	166897758	G	A	800	L	F	0.988	Likely Pathogenic
SCN1A	2	166897758	G	C	800	L	V	0.989	Likely Pathogenic
SCN1A	2	166897758	G	T	800	L	I	0.985	Likely Pathogenic
SCN1A	2	166897757	A	C	800	L	R	0.991	Likely Pathogenic
SCN1A	2	166897757	A	G	800	L	P	0.991	Likely Pathogenic
SCN1A	2	166897757	A	T	800	L	H	0.988	Likely Pathogenic
SCN1A	2	166897755	T	A	801	T	S	0.108	Likely Benign
SCN1A	2	166897755	T	C	801	T	A	0.173	Likely Benign
SCN1A	2	166897755	T	G	801	T	P	0.493	Likely Benign
SCN1A	2	166897754	G	A	801	T	I	0.423	Likely Benign
SCN1A	2	166897754	G	C	801	T	R	0.443	Likely Benign
SCN1A	2	166897754	G	T	801	T	K	0.190	Likely Benign
SCN1A	2	166897752	C	A	802	V	L	0.438	Likely Benign
SCN1A	2	166897752	C	G	802	V	L	0.434	Likely Benign
SCN1A	2	166897752	C	T	802	V	I	0.212	Likely Benign
SCN1A	2	166897751	A	C	802	V	G	0.955	Likely Pathogenic
SCN1A	2	166897751	A	G	802	V	A	0.346	Likely Benign
SCN1A	2	166897751	A	T	802	V	E	0.962	Likely Pathogenic
SCN1A	2	166897749	C	G	803	G	R	0.972	Likely Pathogenic
SCN1A	2	166897749	C	T	803	G	R	0.972	Likely Pathogenic
SCN1A	2	166897748	C	A	803	G	V	0.938	Likely Pathogenic
SCN1A	2	166897748	C	G	803	G	A	0.693	Likely Benign
SCN1A	2	166897748	C	T	803	G	E	0.977	Likely Pathogenic
SCN1A	2	166897746	A	C	804	N	Y	0.991	Likely Pathogenic
SCN1A	2	166897746	T	C	804	N	D	0.935	Likely Pathogenic
SCN1A	2	166897746	T	G	804	N	H	0.990	Likely Pathogenic
SCN1A	2	166897745	A	C	804	N	I	0.993	Likely Pathogenic
SCN1A	2	166897745	T	C	804	N	S	0.984	Likely Pathogenic
SCN1A	2	166897745	T	G	804	N	T	0.993	Likely Pathogenic
SCN1A	2	166897744	G	C	804	N	K	0.991	Likely Pathogenic
SCN1A	2	166897744	G	T	804	N	K	0.991	Likely Pathogenic
SCN1A	2	166897743	A	C	805	L	V	0.647	Likely Benign
SCN1A	2	166897743	A	T	805	L	M	0.912	Likely Pathogenic
SCN1A	2	166897742	A	C	805	L	W	0.970	Likely Pathogenic
SCN1A	2	166897742	A	G	805	L	S	0.947	Likely Pathogenic
SCN1A	2	166897741	C	A	805	L	F	0.953	Likely Pathogenic
SCN1A	2	166897741	C	G	805	L	F	0.952	Likely Pathogenic
SCN1A	2	166897105	A	C	806	V	G	0.979	Likely Pathogenic
SCN1A	2	166897105	A	G	806	V	A	0.950	Likely Pathogenic
SCN1A	2	166897105	A	T	806	V	D	0.994	Likely Pathogenic
SCN1A	2	166897103	A	C	807	F	V	0.990	Likely Pathogenic
SCN1A	2	166897103	A	G	807	F	L	0.977	Likely Pathogenic
SCN1A	2	166897103	A	T	807	F	I	0.986	Likely Pathogenic
SCN1A	2	166897102	A	C	807	F	C	0.987	Likely Pathogenic
SCN1A	2	166897102	A	G	807	F	S	0.994	Likely Pathogenic
SCN1A	2	166897102	A	T	807	F	Y	0.994	Likely Pathogenic
SCN1A	2	166897101	G	C	807	F	L	0.968	Likely Pathogenic
SCN1A	2	166897101	G	T	807	F	L	0.968	Likely Pathogenic
SCN1A	2	166897100	T	A	808	T	S	0.944	Likely Pathogenic
SCN1A	2	166897100	T	C	808	T	A	0.981	Likely Pathogenic
SCN1A	2	166897100	T	G	808	T	P	0.994	Likely Pathogenic
SCN1A	2	166896099	G	A	808	T	I	0.887	Likely Pathogenic
SCN1A	2	166896099	G	C	808	T	S	0.920	Likely Pathogenic
SCN1A	2	166896099	G	T	808	T	N	0.987	Likely Pathogenic
SCN1A	2	166896097	C	A	809	G	W	0.974	Likely Pathogenic
SCN1A	2	166896097	C	G	809	G	R	0.989	Likely Pathogenic
SCN1A	2	166896097	C	T	809	G	R	0.989	Likely Pathogenic
SCN1A	2	166896096	C	A	809	G	V	0.858	Likely Pathogenic
SCN1A	2	166896096	C	G	809	G	A	0.536	Likely Benign
SCN1A	2	166896096	C	T	809	G	E	0.990	Likely Pathogenic
SCN1A	2	166896094	T	A	810	I	F	0.971	Likely Pathogenic
SCN1A	2	166896094	T	C	810	I	V	0.897	Likely Pathogenic
SCN1A	2	166896094	T	G	810	I	L	0.943	Likely Pathogenic
SCN1A	2	166896093	A	C	810	I	S	0.995	Likely Pathogenic
SCN1A	2	166896093	A	G	810	I	T	0.984	Likely Pathogenic
SCN1A	2	166896093	A	T	810	I	N	0.995	Likely Pathogenic
SCN1A	2	166896092	G	C	810	I	M	0.978	Likely Pathogenic
SCN1A	2	166896091	A	C	811	F	V	0.996	Likely Pathogenic
SCN1A	2	166896091	A	G	811	F	L	0.995	Likely Pathogenic
SCN1A	2	166896091	A	T	811	F	I	0.996	Likely Pathogenic
SCN1A	2	166896090	A	C	811	F	C	0.996	Likely Pathogenic
SCN1A	2	166896090	A	G	811	F	S	0.996	Likely Pathogenic
SCN1A	2	166896090	A	T	811	F	Y	0.981	Likely Pathogenic
SCN1A	2	166896089	A	C	811	F	L	0.995	Likely Pathogenic
SCN1A	2	166896089	A	T	811	F	L	0.995	Likely Pathogenic
SCN1A	2	166896088	T	A	812	T	S	0.951	Likely Pathogenic
SCN1A	2	166896088	T	C	812	T	A	0.585	Likely Benign
SCN1A	2	166896088	T	G	812	T	P	0.993	Likely Pathogenic
SCN1A	2	166896087	G	A	812	T	I	0.951	Likely Pathogenic
SCN1A	2	166896087	G	C	812	T	R	0.993	Likely Pathogenic
SCN1A	2	166896087	G	T	812	T	K	0.994	Likely Pathogenic
SCN1A	2	166896085	C	A	813	A	S	0.890	Likely Pathogenic
SCN1A	2	166896085	C	G	813	A	P	0.988	Likely Pathogenic
SCN1A	2	166896085	C	T	813	A	T	0.891	Likely Pathogenic
SCN1A	2	166896084	G	A	813	A	V	0.382	Likely Benign
SCN1A	2	166896084	G	C	813	A	G	0.480	Likely Benign
SCN1A	2	166896084	G	T	813	A	E	0.980	Likely Pathogenic
SCN1A	2	166896082	C	A	814	E	Q	0.996	Likely Pathogenic
SCN1A	2	166896082	C	T	814	E	K	0.996	Likely Pathogenic
SCN1A	2	166896081	T	A	814	E	V	0.995	Likely Pathogenic
SCN1A	2	166896081	T	C	814	E	G	0.996	Likely Pathogenic
SCN1A	2	166896081	T	G	814	E	A	0.996	Likely Pathogenic
SCN1A	2	166896080	T	A	814	E	D	0.982	Likely Pathogenic
SCN1A	2	166896080	T	G	814	E	D	0.982	Likely Pathogenic
SCN1A	2	166896079	T	A	815	M	L	0.892	Likely Pathogenic
SCN1A	2	166896079	T	C	815	M	V	0.928	Likely Pathogenic
SCN1A	2	166896079	T	G	815	M	L	0.880	Likely Pathogenic
SCN1A	2	166896078	A	C	815	M	R	0.991	Likely Pathogenic
SCN1A	2	166896078	A	G	815	M	T	0.962	Likely Pathogenic
SCN1A	2	166896078	A	T	815	M	K	0.991	Likely Pathogenic
SCN1A	2	166896077	C	A	815	M	I	0.946	Likely Pathogenic
SCN1A	2	166896077	C	G	815	M	I	0.946	Likely Pathogenic
SCN1A	2	166896077	C	T	815	M	I	0.946	Likely Pathogenic
SCN1A	2	166896076	A	C	816	F	V	0.147	Likely Benign
SCN1A	2	166896076	A	G	816	F	L	0.234	Likely Benign
SCN1A	2	166896076	A	T	816	F	I	0.269	Likely Benign
SCN1A	2	166896075	A	C	816	F	C	0.764	Likely Pathogenic
SCN1A	2	166896075	A	G	816	F	S	0.891	Likely Pathogenic
SCN1A	2	166896075	A	T	816	F	Y	0.931	Likely Pathogenic
SCN1A	2	166896074	A	C	816	F	L	0.207	Likely Benign
SCN1A	2	166896074	A	T	816	F	L	0.208	Likely Benign
SCN1A	2	166896073	G	C	817	L	V	0.930	Likely Pathogenic
SCN1A	2	166896073	G	T	817	L	M	0.899	Likely Pathogenic
SCN1A	2	166896072	A	C	817	L	R	0.995	Likely Pathogenic
SCN1A	2	166896072	A	G	817	L	P	0.995	Likely Pathogenic
SCN1A	2	166896072	A	T	817	L	Q	0.995	Likely Pathogenic
SCN1A	2	166896070	T	C	818	K	E	0.996	Likely Pathogenic
SCN1A	2	166896070	T	G	818	K	Q	0.996	Likely Pathogenic
SCN1A	2	166896069	T	A	818	K	I	0.997	Likely Pathogenic
SCN1A	2	166896069	T	C	818	K	R	0.987	Likely Pathogenic
SCN1A	2	166896069	T	G	818	K	T	0.996	Likely Pathogenic
SCN1A	2	166896068	T	A	818	K	N	0.995	Likely Pathogenic
SCN1A	2	166896068	T	G	818	K	N	0.995	Likely Pathogenic
SCN1A	2	166896067	T	A	819	I	F	0.961	Likely Pathogenic
SCN1A	2	166896067	T	C	819	I	V	0.614	Likely Benign
SCN1A	2	166896067	T	G	819	I	L	0.330	Likely Benign

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166188057	T	G	789	S	R	0.174	Likely Benign
SCN2A	2	166188058	G	A	790	V	I	0.313	Likely Benign
SCN2A	2	166188058	G	C	790	V	L	0.314	Likely Benign
SCN2A	2	166188058	G	T	790	V	L	0.318	Likely Benign
SCN2A	2	166188059	T	A	790	V	E	0.833	Likely Pathogenic
SCN2A	2	166188059	T	C	790	V	A	0.254	Likely Benign
SCN2A	2	166188059	T	G	790	V	G	0.892	Likely Pathogenic
SCN2A	2	166188061	C	A	791	L	M	0.933	Likely Pathogenic
SCN2A	2	166188061	C	T	791	L	V	0.916	Likely Pathogenic
SCN2A	2	166188062	T	A	791	L	Q	0.973	Likely Pathogenic
SCN2A	2	166188062	T	C	791	L	P	0.981	Likely Pathogenic
SCN2A	2	166188062	T	G	791	L	R	0.973	Likely Pathogenic
SCN2A	2	166188064	T	A	792	S	T	0.165	Likely Benign
SCN2A	2	166188064	T	C	792	S	P	0.607	Likely Benign
SCN2A	2	166188064	T	G	792	S	A	0.244	Likely Benign
SCN2A	2	166188065	C	A	792	S	Y	0.25	Likely Benign
SCN2A	2	166188065	C	G	792	S	C	0.521	Likely Benign
SCN2A	2	166188065	C	T	792	S	F	0.454	Likely Benign
SCN2A	2	166188067	G	A	793	V	I	0.142	Likely Benign
SCN2A	2	166188067	G	C	793	V	L	0.318	Likely Benign
SCN2A	2	166188067	G	T	793	V	F	0.673	Likely Benign
SCN2A	2	166188068	T	A	793	V	D	0.846	Likely Pathogenic
SCN2A	2	166188068	T	C	793	V	A	0.276	Likely Benign
SCN2A	2	166188068	T	G	793	V	G	0.889	Likely Pathogenic
SCN2A	2	166188070	G	A	794	G	R	0.859	Likely Pathogenic
SCN2A	2	166188070	G	C	794	G	R	0.856	Likely Pathogenic
SCN2A	2	166188071	G	A	794	G	E	0.945	Likely Pathogenic
SCN2A	2	166188071	G	C	794	G	A	0.619	Likely Benign
SCN2A	2	166188071	G	T	794	G	V	0.859	Likely Pathogenic
SCN2A	2	166188073	A	C	795	N	H	0.971	Likely Pathogenic
SCN2A	2	166188073	A	G	795	N	D	0.814	Likely Pathogenic
SCN2A	2	166188073	A	T	795	N	Y	0.988	Likely Pathogenic
SCN2A	2	166188074	A	C	795	N	T	0.987	Likely Pathogenic
SCN2A	2	166188074	A	G	795	N	S	0.953	Likely Pathogenic
SCN2A	2	166188074	A	T	795	N	I	0.987	Likely Pathogenic
SCN2A	2	166188075	C	A	795	N	K	0.962	Likely Pathogenic
SCN2A	2	166188075	C	G	795	N	K	0.965	Likely Pathogenic
SCN2A	2	166188076	C	A	796	L	M	0.557	Likely Benign
SCN2A	2	166188076	C	G	796	L	V	0.54	Likely Benign
SCN2A	2	166188077	T	A	796	L	Q	0.594	Likely Benign
SCN2A	2	166188077	T	C	796	L	P	0.929	Likely Pathogenic
SCN2A	2	166188077	T	G	796	L	R	0.866	Likely Pathogenic
SCN2A	2	166198806	G	A	797	V	I	0.739	Likely Benign
SCN2A	2	166198806	G	C	797	V	L	0.918	Likely Pathogenic
SCN2A	2	166198806	G	T	797	V	F	0.901	Likely Pathogenic
SCN2A	2	166198807	T	A	797	V	D	0.993	Likely Pathogenic
SCN2A	2	166198807	T	C	797	V	A	0.954	Likely Pathogenic
SCN2A	2	166198807	T	G	797	V	G	0.974	Likely Pathogenic
SCN2A	2	166198809	T	A	798	F	I	0.97	Likely Pathogenic
SCN2A	2	166198809	T	C	798	F	L	0.947	Likely Pathogenic
SCN2A	2	166198809	T	G	798	F	V	0.987	Likely Pathogenic
SCN2A	2	166198810	T	A	798	F	Y	0.99	Likely Pathogenic
SCN2A	2	166198810	T	C	798	F	S	0.992	Likely Pathogenic
SCN2A	2	166198810	T	G	798	F	C	0.982	Likely Pathogenic
SCN2A	2	166198811	C	A	798	F	L	0.846	Likely Pathogenic
SCN2A	2	166198811	C	G	798	F	L	0.844	Likely Pathogenic
SCN2A	2	166198812	A	C	799	T	P	0.992	Likely Pathogenic
SCN2A	2	166198812	A	G	799	T	A	0.943	Likely Pathogenic
SCN2A	2	166198812	A	T	799	T	S	0.866	Likely Pathogenic
SCN2A	2	166198813	C	A	799	T	K	0.992	Likely Pathogenic
SCN2A	2	166198813	C	G	799	T	R	0.988	Likely Pathogenic
SCN2A	2	166198813	C	T	799	T	I	0.865	Likely Pathogenic
SCN2A	2	166198815	G	A	800	G	R	0.969	Likely Pathogenic
SCN2A	2	166198815	G	C	800	G	R	0.971	Likely Pathogenic
SCN2A	2	166198815	G	T	800	G	W	0.931	Likely Pathogenic
SCN2A	2	166198816	G	A	800	G	E	0.977	Likely Pathogenic
SCN2A	2	166198816	G	C	800	G	A	0.457	Likely Benign
SCN2A	2	166198816	G	T	800	G	V	0.486	Likely Benign
SCN2A	2	166198818	A	G	801	I	L	0.709	Likely Benign
SCN2A	2	166198818	A	G	801	I	V	0.637	Likely Benign
SCN2A	2	166198818	A	T	801	I	F	0.809	Likely Pathogenic
SCN2A	2	166198819	T	A	801	I	N	0.989	Likely Pathogenic
SCN2A	2	166198819	T	C	801	I	T	0.822	Likely Pathogenic
SCN2A	2	166198819	T	G	801	I	S	0.988	Likely Pathogenic
SCN2A	2	166198820	C	G	801	I	M	0.945	Likely Pathogenic
SCN2A	2	166198821	T	A	802	F	I	0.993	Likely Pathogenic
SCN2A	2	166198821	T	C	802	F	L	0.992	Likely Pathogenic
SCN2A	2	166198821	T	G	802	F	V	0.995	Likely Pathogenic
SCN2A	2	166198822	T	A	802	F	Y	0.928	Likely Pathogenic
SCN2A	2	166198822	T	C	802	F	S	0.995	Likely Pathogenic
SCN2A	2	166198822	T	G	802	F	C	0.995	Likely Pathogenic
SCN2A	2	166198823	C	A	802	F	L	0.985	Likely Pathogenic
SCN2A	2	166198823	C	G	802	F	L	0.985	Likely Pathogenic
SCN2A	2	166198824	A	C	803	T	P	0.992	Likely Pathogenic
SCN2A	2	166198824	A	G	803	T	A	0.607	Likely Benign
SCN2A	2	166198824	A	T	803	T	S	0.877	Likely Pathogenic
SCN2A	2	166198825	C	A	803	T	K	0.988	Likely Pathogenic
SCN2A	2	166198825	C	G	803	T	R	0.989	Likely Pathogenic
SCN2A	2	166198825	C	T	803	T	I	0.893	Likely Pathogenic
SCN2A	2	166198827	G	A	804	A	T	0.846	Likely Pathogenic
SCN2A	2	166198827	G	C	804	A	P	0.982	Likely Pathogenic
SCN2A	2	166198827	G	T	804	A	S	0.895	Likely Pathogenic
SCN2A	2	166198828	C	A	804	A	E	0.98	Likely Pathogenic
SCN2A	2	166198828	C	G	804	A	G	0.6	Likely Benign
SCN2A	2	166198828	C	T	804	A	V	0.733	Likely Benign
SCN2A	2	166198830	G	A	805	E	K	0.994	Likely Pathogenic
SCN2A	2	166198830	G	C	805	E	Q	0.99	Likely Pathogenic
SCN2A	2	166198830	G	T	805	E	A	0.994	Likely Pathogenic
SCN2A	2	166198831	A	G	805	E	G	0.994	Likely Pathogenic
SCN2A	2	166198831	A	T	805	E	V	0.992	Likely Pathogenic
SCN2A	2	166198832	A	C	805	E	D	0.939	Likely Pathogenic
SCN2A	2	166198832	A	T	805	E	D	0.938	Likely Pathogenic
SCN2A	2	166198833	A	C	806	M	L	0.764	Likely Benign
SCN2A	2	166198833	A	G	806	M	V	0.805	Likely Pathogenic
SCN2A	2	166198833	A	T	806	M	L	0.764	Likely Benign
SCN2A	2	166198834	T	A	806	M	K	0.985	Likely Pathogenic
SCN2A	2	166198834	T	C	806	M	T	0.918	Likely Pathogenic
SCN2A	2	166198834	T	G	806	M	R	0.985	Likely Pathogenic
SCN2A	2	166198835	G	A	806	M	I	0.884	Likely Pathogenic
SCN2A	2	166198835	G	C	806	M	I	0.883	Likely Pathogenic
SCN2A	2	166198835	G	T	806	M	I	0.883	Likely Pathogenic
SCN2A	2	166198836	T	A	807	F	I	0.152	Likely Benign
SCN2A	2	166198836	T	C	807	F	L	0.171	Likely Benign
SCN2A	2	166198836	T	G	807	F	V	0.087	Likely Benign
SCN2A	2	166198837	T	A	807	F	Y	0.748	Likely Benign
SCN2A	2	166198837	T	C	807	F	S	0.445	Likely Benign
SCN2A	2	166198837	T	G	807	F	C	0.254	Likely Benign
SCN2A	2	166198838	T	A	807	F	L	0.163	Likely Benign
SCN2A	2	166198838	T	G	807	F	L	0.163	Likely Benign
SCN2A	2	166198839	C	A	808	L	I	0.54	Likely Benign
SCN2A	2	166198839	C	G	808	L	V	0.668	Likely Benign
SCN2A	2	166198839	C	T	808	L	F	0.449	Likely Benign
SCN2A	2	166198840	T	A	808	L	H	0.987	Likely Pathogenic
SCN2A	2	166198840	T	C	808	L	P	0.989	Likely Pathogenic
SCN2A	2	166198840	T	G	808	L	R	0.988	Likely Pathogenic
SCN2A	2	166198842	A	C	809	K	Q	0.993	Likely Pathogenic
SCN2A	2	166198842	A	G	809	K	E	0.994	Likely Pathogenic
SCN2A	2	166198843	A	C	809	K	T	0.995	Likely Pathogenic
SCN2A	2	166198843	A	G	809	K	R	0.96	Likely Pathogenic
SCN2A	2	166198843	A	T	809	K	M	0.996	Likely Pathogenic
SCN2A	2	166198844	G	C	809	K	N	0.989	Likely Pathogenic
SCN2A	2	166198844	G	T	809	K	N	0.989	Likely Pathogenic
SCN2A	2	166198845	A	C	810	I	L	0.253	Likely Benign
SCN2A	2	166198845	A	G	810	I	V	0.381	Likely Benign
SCN2A	2	166198845	A	T	810	I	L	0.254	Likely Benign
SCN2A	2	166198846	A	G	810	I	K	0.987	Likely Pathogenic
SCN2A	2	166198846	T	C	810	I	T	0.969	Likely Pathogenic
SCN2A	2	166198846	T	G	810	I	R	0.986	Likely Pathogenic
SCN2A	2	166198847	A	G	810	I	M	0.587	Likely Benign
SCN2A	2	166198848	A	C	811	I	L	0.61	Likely Benign
SCN2A	2	166198848	A	G	811	I	V	0.425	Likely Benign
SCN2A	2	166198848	A	T	811	I	F	0.836	Likely Pathogenic
SCN2A	2	166198849	T	A	811	I	N	0.989	Likely Pathogenic
SCN2A	2	166198849	T	C	811	I	T	0.938	Likely Pathogenic
SCN2A	2	166198849	T	G	811	I	S	0.973	Likely Pathogenic
SCN2A	2	166198850	T	G	811	I	M	0.686	Likely Benign
SCN2A	2	166198851	G	A	812	A	T	0.991	Likely Pathogenic
SCN2A	2	166198851	G	C	812	A	P	0.995	Likely Pathogenic
SCN2A	2	166198851	G	T	812	A	S	0.974	Likely Pathogenic
SCN2A	2	166198852	C	A	812	A	D	0.966	Likely Pathogenic
SCN2A	2	166198852	C	G	812	A	G	0.934	Likely Pathogenic
SCN2A	2	166198852	C	T	812	A	V	0.976	Likely Pathogenic
SCN2A	2	166198854	A	C	813	M	L	0.066	Likely Benign
SCN2A	2	166198854	A	G	813	M	V	0.501	Likely Benign
SCN2A	2	166198854	A	T	813	M	L	0.066	Likely Benign
SCN2A	2	166198855	T	A	813	M	K	0.605	Likely Benign
SCN2A	2	166198855	T	C	813	M	T	0.605	Likely Benign
SCN2A	2	166198855	T	G	813	M	R	0.601	Likely Benign
SCN2A	2	166198856	G	A	813	M	I	0.485	Likely Benign
SCN2A	2	166198856	G	C	813	M	I	0.475	Likely Benign
SCN2A	2	166198856	G	T	813	M	I	0.475	Likely Benign
SCN2A	2	166198857	G	A	814	D	N	0.68	Likely Benign
SCN2A	2	166198857	G	C	814	D	H	0.413	Likely Benign
SCN2A	2	166198857	G	T	814	D	Y	0.895	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166896066	A	C	819	I	S	0.991	Likely Pathoeenic
SCN1A	2	166896066	A	G	819	I	T	0.993	Likely Pathoeenic
SCN1A	2	166896066	A	T	819	I	N	0.987	Likely Pathoeenic
SCN1A	2	166896065	A	C	819	I	M	0.670	Likely Benian
SCN1A	2	166896064	T	A	820	I	F	0.921	Likely Pathoeenic
SCN1A	2	166896064	T	C	820	I	V	0.577	Likely Benian
SCN1A	2	166896064	T	G	820	I	L	0.798	Likely Pathoeenic
SCN1A	2	166896063	A	C	820	I	S	0.983	Likely Pathoeenic
SCN1A	2	166896063	A	G	820	I	T	0.978	Likely Pathoeenic
SCN1A	2	166896063	A	T	820	I	N	0.991	Likely Pathoeenic
SCN1A	2	166896062	A	C	820	I	M	0.806	Likely Pathoeenic
SCN1A	2	166896061	C	A	821	A	S	0.985	Likely Pathoeenic
SCN1A	2	166896061	C	G	821	A	P	0.996	Likely Pathoeenic
SCN1A	2	166896061	C	T	821	A	T	0.993	Likely Pathoeenic
SCN1A	2	166896060	G	A	821	A	V	0.989	Likely Pathoeenic
SCN1A	2	166896060	G	C	821	A	G	0.976	Likely Pathoeenic
SCN1A	2	166896060	G	T	821	A	D	0.989	Likely Pathoeenic
SCN1A	2	166896058	T	A	822	M	L	0.089	Likely Benian
SCN1A	2	166896058	T	C	822	M	V	0.836	Likely Pathoeenic
SCN1A	2	166896058	T	G	822	M	L	0.081	Likely Benian
SCN1A	2	166896057	A	C	822	M	R	0.748	Likely Benian
SCN1A	2	166896057	A	G	822	M	T	0.772	Likely Benian
SCN1A	2	166896057	A	T	822	M	K	0.898	Likely Pathoeenic
SCN1A	2	166896056	C	A	822	M	I	0.583	Likely Benian
SCN1A	2	166896056	C	G	822	M	I	0.579	Likely Benian
SCN1A	2	166896056	C	T	822	M	I	0.586	Likely Benian
SCN1A	2	166896055	C	A	823	D	Y	0.919	Likely Pathoeenic
SCN1A	2	166896055	C	G	823	D	H	0.486	Likely Benian
SCN1A	2	166896055	C	T	823	D	N	0.858	Likely Pathoeenic
SCN1A	2	166896054	T	A	823	D	V	0.976	Likely Pathoeenic
SCN1A	2	166896054	T	C	823	D	G	0.593	Likely Benian
SCN1A	2	166896054	T	G	823	D	A	0.930	Likely Pathoeenic
SCN1A	2	166896053	A	C	823	D	E	0.759	Likely Benian
SCN1A	2	166896053	A	T	823	D	E	0.779	Likely Benian
SCN1A	2	166896052	G	A	824	P	S	0.986	Likely Pathoeenic
SCN1A	2	166896052	G	C	824	P	A	0.981	Likely Pathoeenic
SCN1A	2	166896052	G	T	824	P	T	0.990	Likely Pathoeenic
SCN1A	2	166896051	G	A	824	P	L	0.969	Likely Pathoeenic
SCN1A	2	166896051	G	C	824	P	R	0.983	Likely Pathoeenic
SCN1A	2	166896051	G	T	824	P	H	0.990	Likely Pathoeenic
SCN1A	2	166896049	A	C	825	Y	D	0.966	Likely Pathoeenic
SCN1A	2	166896049	A	G	825	Y	H	0.880	Likely Pathoeenic
SCN1A	2	166896049	A	T	825	Y	N	0.948	Likely Pathoeenic
SCN1A	2	166896048	T	A	825	Y	F	0.766	Likely Benian
SCN1A	2	166896048	T	C	825	Y	C	0.961	Likely Pathoeenic
SCN1A	2	166896048	T	G	825	Y	S	0.945	Likely Pathoeenic
SCN1A	2	166896046	A	C	826	Y	D	0.934	Likely Pathoeenic
SCN1A	2	166896046	A	G	826	Y	H	0.919	Likely Pathoeenic
SCN1A	2	166896046	A	T	826	Y	N	0.868	Likely Pathoeenic
SCN1A	2	166896045	T	A	826	Y	F	0.831	Likely Pathoeenic
SCN1A	2	166896045	T	C	826	Y	C	0.971	Likely Pathoeenic
SCN1A	2	166896045	T	G	826	Y	S	0.807	Likely Pathoeenic
SCN1A	2	166896043	A	C	827	Y	D	0.997	Likely Pathoeenic
SCN1A	2	166896043	A	G	827	Y	H	0.997	Likely Pathoeenic
SCN1A	2	166896043	A	T	827	Y	N	0.997	Likely Pathoeenic
SCN1A	2	166896042	T	A	827	Y	F	0.984	Likely Pathoeenic
SCN1A	2	166896042	T	C	827	Y	C	0.997	Likely Pathoeenic
SCN1A	2	166896042	T	G	827	Y	S	0.997	Likely Pathoeenic
SCN1A	2	166896040	A	C	828	F	V	0.980	Likely Pathoeenic
SCN1A	2	166896040	A	G	828	F	L	0.956	Likely Pathoeenic
SCN1A	2	166896040	A	T	828	F	I	0.973	Likely Pathoeenic
SCN1A	2	166896039	A	C	828	F	C	0.983	Likely Pathoeenic
SCN1A	2	166896039	A	G	828	F	S	0.987	Likely Pathoeenic
SCN1A	2	166896039	A	T	828	F	Y	0.990	Likely Pathoeenic
SCN1A	2	166896038	G	C	828	F	L	0.932	Likely Pathoeenic
SCN1A	2	166896038	G	T	828	F	L	0.932	Likely Pathoeenic
SCN1A	2	166896037	G	C	829	Q	E	0.971	Likely Pathoeenic
SCN1A	2	166896037	G	T	829	Q	K	0.856	Likely Pathoeenic
SCN1A	2	166896036	T	A	829	Q	L	0.946	Likely Pathoeenic
SCN1A	2	166896036	T	C	829	Q	R	0.832	Likely Pathoeenic
SCN1A	2	166896036	T	G	829	Q	P	0.987	Likely Pathoeenic
SCN1A	2	166896035	T	A	829	Q	H	0.963	Likely Pathoeenic
SCN1A	2	166896035	T	G	829	Q	H	0.963	Likely Pathoeenic
SCN1A	2	166896034	C	G	830	E	Q	0.575	Likely Benian
SCN1A	2	166896034	C	T	830	E	K	0.809	Likely Pathoeenic
SCN1A	2	166896033	T	A	830	E	V	0.535	Likely Benian
SCN1A	2	166896033	T	C	830	E	G	0.941	Likely Pathoeenic
SCN1A	2	166896033	T	G	830	E	A	0.861	Likely Pathoeenic
SCN1A	2	166896032	A	C	830	E	D	0.309	Likely Benian
SCN1A	2	166896032	T	G	830	E	D	0.310	Likely Benian
SCN1A	2	166896031	C	A	831	G	C	0.975	Likely Pathoeenic
SCN1A	2	166896031	G	A	831	G	R	0.696	Likely Benian
SCN1A	2	166896031	C	T	831	G	S	0.845	Likely Pathoeenic
SCN1A	2	166896030	C	A	831	G	V	0.990	Likely Pathoeenic
SCN1A	2	166896030	C	G	831	G	A	0.865	Likely Pathoeenic
SCN1A	2	166896030	C	T	831	G	D	0.986	Likely Pathoeenic
SCN1A	2	166896028	A	C	832	W	G	0.996	Likely Pathoeenic
SCN1A	2	166896028	A	G	832	W	R	0.996	Likely Pathoeenic
SCN1A	2	166896028	A	T	832	W	R	0.996	Likely Pathoeenic
SCN1A	2	166896027	C	A	832	W	L	0.993	Likely Pathoeenic
SCN1A	2	166896027	C	G	832	W	S	0.995	Likely Pathoeenic
SCN1A	2	166896026	C	A	832	W	C	0.996	Likely Pathoeenic
SCN1A	2	166896026	C	G	832	W	C	0.996	Likely Pathoeenic
SCN1A	2	166896026	C	T	832	W	C	0.996	Likely Pathoeenic
SCN1A	2	166896025	T	A	833	N	Y	0.996	Likely Pathoeenic
SCN1A	2	166896025	T	G	833	N	D	0.995	Likely Pathoeenic
SCN1A	2	166896025	T	G	833	N	H	0.995	Likely Pathoeenic
SCN1A	2	166896024	T	A	833	N	I	0.997	Likely Pathoeenic
SCN1A	2	166896024	T	C	833	N	S	0.994	Likely Pathoeenic
SCN1A	2	166896024	T	G	833	N	T	0.994	Likely Pathoeenic
SCN1A	2	166896023	A	C	833	N	K	0.997	Likely Pathoeenic
SCN1A	2	166896023	A	T	833	N	K	0.997	Likely Pathoeenic
SCN1A	2	166896022	T	A	834	I	F	0.984	Likely Pathoeenic
SCN1A	2	166896022	T	C	834	I	V	0.530	Likely Benian
SCN1A	2	166896022	T	G	834	I	L	0.939	Likely Pathoeenic
SCN1A	2	166896021	A	C	834	I	S	0.984	Likely Pathoeenic
SCN1A	2	166896021	A	G	834	I	T	0.970	Likely Pathoeenic
SCN1A	2	166896021	A	T	834	I	N	0.987	Likely Pathoeenic
SCN1A	2	166896020	G	C	834	I	M	0.963	Likely Pathoeenic
SCN1A	2	166896019	A	C	835	F	V	0.992	Likely Pathoeenic
SCN1A	2	166896019	A	G	835	F	L	0.958	Likely Pathoeenic
SCN1A	2	166896019	A	T	835	F	I	0.989	Likely Pathoeenic
SCN1A	2	166896018	A	C	835	F	C	0.994	Likely Pathoeenic
SCN1A	2	166896018	A	G	835	F	S	0.995	Likely Pathoeenic
SCN1A	2	166896018	T	A	835	F	Y	0.990	Likely Pathoeenic
SCN1A	2	166896017	A	C	835	F	L	0.961	Likely Pathoeenic
SCN1A	2	166896017	A	T	835	F	L	0.960	Likely Pathoeenic
SCN1A	2	166896016	C	A	836	D	Y	0.997	Likely Pathoeenic
SCN1A	2	166896016	C	G	836	D	H	0.997	Likely Pathoeenic
SCN1A	2	166896016	C	T	836	D	N	0.996	Likely Pathoeenic
SCN1A	2	166896015	T	A	836	D	V	0.997	Likely Pathoeenic
SCN1A	2	166896015	T	C	836	D	G	0.997	Likely Pathoeenic
SCN1A	2	166896015	T	G	836	D	A	0.997	Likely Pathoeenic
SCN1A	2	166896014	G	C	836	D	E	0.993	Likely Pathoeenic
SCN1A	2	166896014	G	T	836	D	E	0.993	Likely Pathoeenic
SCN1A	2	166896013	C	A	837	G	C	0.593	Likely Benian
SCN1A	2	166896013	C	G	837	G	R	0.921	Likely Pathoeenic
SCN1A	2	166896013	C	T	837	G	S	0.164	Likely Benian
SCN1A	2	166896012	C	A	837	G	V	0.791	Likely Pathoeenic
SCN1A	2	166896012	C	G	837	G	A	0.317	Likely Benian
SCN1A	2	166896012	C	T	837	G	D	0.936	Likely Pathoeenic
SCN1A	2	166896010	A	C	838	F	V	0.354	Likely Benian
SCN1A	2	166896010	A	G	838	F	L	0.476	Likely Benian
SCN1A	2	166896010	A	T	838	F	I	0.238	Likely Benian
SCN1A	2	166896009	A	C	838	F	C	0.959	Likely Pathoeenic
SCN1A	2	166896009	A	G	838	F	S	0.920	Likely Pathoeenic
SCN1A	2	166896009	A	T	838	F	Y	0.970	Likely Pathoeenic
SCN1A	2	166896008	A	C	838	F	L	0.307	Likely Benian
SCN1A	2	166896008	A	T	838	F	L	0.307	Likely Benian
SCN1A	2	166896007	T	A	839	I	F	0.994	Likely Pathoeenic
SCN1A	2	166896007	T	C	839	I	V	0.546	Likely Benian
SCN1A	2	166896007	T	G	839	I	L	0.971	Likely Pathoeenic
SCN1A	2	166896006	A	C	839	I	S	0.989	Likely Pathoeenic
SCN1A	2	166896006	A	G	839	I	T	0.981	Likely Pathoeenic
SCN1A	2	166896006	A	T	839	I	N	0.993	Likely Pathoeenic
SCN1A	2	166896005	C	A	840	M	I	0.994	Likely Pathoeenic
SCN1A	2	166896004	C	A	840	V	L	0.990	Likely Pathoeenic
SCN1A	2	166896004	C	G	840	V	L	0.991	Likely Pathoeenic
SCN1A	2	166896004	C	T	840	V	M	0.995	Likely Pathoeenic
SCN1A	2	166896003	A	C	840	V	G	0.996	Likely Pathoeenic
SCN1A	2	166896003	A	G	840	V	A	0.992	Likely Pathoeenic
SCN1A	2	166896003	A	T	840	V	E	0.996	Likely Pathoeenic
SCN1A	2	166896001	T	A	841	T	S	0.437	Likely Benian
SCN1A	2	166896001	T	C	841	T	A	0.539	Likely Benian
SCN1A	2	166896001	T	G	841	T	P	0.974	Likely Pathoeenic
SCN1A	2	166896000	G	A	841	T	M	0.841	Likely Pathoeenic
SCN1A	2	166896000	G	C	841	T	R	0.967	Likely Pathoeenic
SCN1A	2	166896000	G	T	841	T	K	0.968	Likely Pathoeenic
SCN1A	2	166895998	G	A	842	L	F	0.806	Likely Pathoeenic
SCN1A	2	166895998	G	C	842	L	V	0.541	Likely Benian
SCN1A	2	166895998	G	T	842	L	I	0.440	Likely Benian
SCN1A	2	166895997	A	C	842	L	R	0.986	Likely Pathoeenic
SCN1A	2	166895997	A	G	842	L	P	0.958	Likely Pathoeenic
SCN1A	2	166895997	A	T	842	L	H	0.971	Likely Pathoeenic
SCN1A	2	166895995	T	A	843	S	C	0.993	Likely Pathoeenic
SCN1A	2	166895995	T	C	843	S	G	0.977	Likely Pathoeenic
SCN1A	2	166895995	T	G	843	S	R	0.996	Likely Pathoeenic
SCN1A	2	166895994	C	A	843	S	I	0.996	Likely Pathoeenic
SCN1A	2	166895994	C	G	843	S	T	0.988	Likely Pathoeenic
SCN1A	2	166895994	C	T	843	S	N	0.996	Likely Pathoeenic
SCN1A	2	166895993	G	C	843	S	R	0.996	Likely Pathoeenic
SCN1A	2	166895993	G	T	843	S	R	0.996	Likely Pathoeenic
SCN1A	2	166895992	G	C	844	L	V	0.940	Likely Pathoeenic
SCN1A	2	166895992	G	T	844	L	M	0.971	Likely Pathoeenic
SCN1A	2	166895991	A	C	844	L	R	0.993	Likely Pathoeenic
SCN1A	2	166895991	A	G	844	L	P	0.993	Likely Pathoeenic
SCN1A	2	166895991	A	T	844	L	Q	0.993	Likely Pathoeenic
SCN1A	2	166895989	C	A	845	V	L	0.375	Likely Benian
SCN1A	2	166895989	C	G	845	V	L	0.374	Likely Benian
SCN1A	2	166895989	C	T	845	V	I	0.305	Likely Benian
SCN1A	2	166895988	A	C	845	V	G	0.980	Likely Pathoeenic
SCN1A	2	166895988	A	G	845	V	A	0.900	Likely Pathoeenic
SCN1A	2	166895988	A	T	845	V	E	0.988	Likely Pathoeenic
SCN1A	2	166895986	C	G	846	E	Q	0.991	Likely Pathoeenic
SCN1A	2	166895986	C	T	846	E	K	0.991	Likely Pathoeenic
SCN1A	2	166895985	T	A	846	E	V	0.989	Likely Pathoeenic
SCN1A	2	166895985	T	C	846	E	G	0.974	Likely Pathoeenic
SCN1A	2	166895985	T	G	846	E	A	0.983	Likely Pathoeenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166198869	T	A	818	Y	N	0.996	Likely Pathogenic
SCN2A	2	166198869	T	C	818	Y	C	0.996	Likely Pathogenic
SCN2A	2	166198869	T	G	818	Y	D	0.996	Likely Pathogenic
SCN2A	2	166198870	A	C	818	Y	S	0.996	Likely Pathogenic
SCN2A	2	166198870	A	G	818	Y	C	0.996	Likely Pathogenic
SCN2A	2	166198870	A	T	818	Y	F	0.902	Likely Pathogenic
SCN2A	2	166198872	T	A	819	F	I	0.95	Likely Pathogenic
SCN2A	2	166198872	T	C	819	F	L	0.925	Likely Pathogenic
SCN2A	2	166198872	T	G	819	F	V	0.957	Likely Pathogenic
SCN2A	2	166198873	T	A	819	F	Y	0.981	Likely Pathogenic
SCN2A	2	166198873	T	C	819	F	S	0.979	Likely Pathogenic
SCN2A	2	166198873	T	G	819	F	C	0.968	Likely Pathogenic
SCN2A	2	166198874	T	A	819	F	L	0.899	Likely Pathogenic
SCN2A	2	166198874	T	G	819	F	L	0.898	Likely Pathogenic
SCN2A	2	166198875	C	A	820	Q	K	0.872	Likely Pathogenic
SCN2A	2	166198875	C	G	820	Q	E	0.869	Likely Pathogenic
SCN2A	2	166198876	A	C	820	Q	P	0.971	Likely Pathogenic
SCN2A	2	166198876	A	G	820	Q	R	0.595	Likely Benign
SCN2A	2	166198876	A	T	820	Q	L	0.857	Likely Pathogenic
SCN2A	2	166198877	A	C	820	Q	H	0.917	Likely Pathogenic
SCN2A	2	166198877	A	G	820	Q	H	0.917	Likely Pathogenic
SCN2A	2	166198878	G	A	821	E	K	0.321	Likely Benign
SCN2A	2	166198878	G	C	821	E	Q	0.217	Likely Benign
SCN2A	2	166198878	G	T	821	E	D	0.493	Likely Benign
SCN2A	2	166198879	A	G	821	E	G	0.648	Likely Benign
SCN2A	2	166198879	A	T	821	E	V	0.245	Likely Benign
SCN2A	2	166198880	A	C	821	E	D	0.192	Likely Benign
SCN2A	2	166198880	A	G	821	E	D	0.193	Likely Benign
SCN2A	2	166198881	G	A	822	G	S	0.634	Likely Benign
SCN2A	2	166198881	G	C	822	G	R	0.666	Likely Benign
SCN2A	2	166198881	G	T	822	G	C	0.943	Likely Pathogenic
SCN2A	2	166198882	G	A	822	G	D	0.91	Likely Pathogenic
SCN2A	2	166198882	G	C	822	G	A	0.599	Likely Benign
SCN2A	2	166198882	G	T	822	G	V	0.968	Likely Pathogenic
SCN2A	2	166198884	T	A	823	W	R	0.992	Likely Pathogenic
SCN2A	2	166198884	T	C	823	W	R	0.992	Likely Pathogenic
SCN2A	2	166198884	T	G	823	W	G	0.995	Likely Pathogenic
SCN2A	2	166198885	G	C	823	W	S	0.994	Likely Pathogenic
SCN2A	2	166198885	G	T	823	W	L	0.992	Likely Pathogenic
SCN2A	2	166198886	G	C	823	W	C	0.995	Likely Pathogenic
SCN2A	2	166198886	G	T	823	W	C	0.995	Likely Pathogenic
SCN2A	2	166198887	A	C	824	N	H	0.994	Likely Pathogenic
SCN2A	2	166198887	A	G	824	N	D	0.992	Likely Pathogenic
SCN2A	2	166198887	A	T	824	N	Y	0.995	Likely Pathogenic
SCN2A	2	166198888	A	C	824	N	T	0.989	Likely Pathogenic
SCN2A	2	166198888	A	G	824	N	S	0.99	Likely Pathogenic
SCN2A	2	166198888	A	T	824	N	I	0.996	Likely Pathogenic
SCN2A	2	166198889	T	A	824	N	K	0.995	Likely Pathogenic
SCN2A	2	166198889	T	G	824	N	K	0.995	Likely Pathogenic
SCN2A	2	166198890	A	C	825	I	L	0.784	Likely Pathogenic
SCN2A	2	166198890	A	G	825	I	V	0.41	Likely Benign
SCN2A	2	166198890	A	T	825	I	F	0.972	Likely Pathogenic
SCN2A	2	166198891	T	A	825	I	N	0.957	Likely Pathogenic
SCN2A	2	166198891	T	C	825	I	T	0.941	Likely Pathogenic
SCN2A	2	166198891	T	G	825	I	S	0.965	Likely Pathogenic
SCN2A	2	166198892	T	G	825	I	M	0.968	Likely Pathogenic
SCN2A	2	166198893	T	A	826	F	I	0.98	Likely Pathogenic
SCN2A	2	166198893	T	C	826	F	L	0.856	Likely Pathogenic
SCN2A	2	166198893	T	G	826	F	V	0.989	Likely Pathogenic
SCN2A	2	166198894	T	A	826	F	Y	0.958	Likely Pathogenic
SCN2A	2	166198894	T	C	826	F	S	0.994	Likely Pathogenic
SCN2A	2	166198894	T	G	826	F	C	0.991	Likely Pathogenic
SCN2A	2	166198895	T	A	826	F	L	0.907	Likely Pathogenic
SCN2A	2	166198895	T	G	826	F	L	0.903	Likely Pathogenic
SCN2A	2	166198896	G	A	827	D	N	0.994	Likely Pathogenic
SCN2A	2	166198896	G	C	827	D	H	0.996	Likely Pathogenic
SCN2A	2	166198896	G	T	827	D	Y	0.995	Likely Pathogenic
SCN2A	2	166198897	A	C	827	D	A	0.996	Likely Pathogenic
SCN2A	2	166198897	A	G	827	D	G	0.996	Likely Pathogenic
SCN2A	2	166198897	A	T	827	D	V	0.997	Likely Pathogenic
SCN2A	2	166198898	T	A	827	D	E	0.99	Likely Pathogenic
SCN2A	2	166198898	T	G	827	D	E	0.99	Likely Pathogenic
SCN2A	2	166198899	G	A	828	G	S	0.14	Likely Benign
SCN2A	2	166198899	G	C	828	G	R	0.583	Likely Benign
SCN2A	2	166198899	G	T	828	G	C	0.253	Likely Benign
SCN2A	2	166198900	G	A	828	G	D	0.604	Likely Benign
SCN2A	2	166198900	G	C	828	G	A	0.244	Likely Benign
SCN2A	2	166198900	G	T	828	G	V	0.494	Likely Benign
SCN2A	2	166198902	T	A	829	F	I	0.156	Likely Benign
SCN2A	2	166198902	T	C	829	F	L	0.209	Likely Benign
SCN2A	2	166198902	T	G	829	F	V	0.213	Likely Benign
SCN2A	2	166198903	T	A	829	F	Y	0.885	Likely Pathogenic
SCN2A	2	166198903	T	C	829	F	S	0.808	Likely Pathogenic
SCN2A	2	166198903	T	G	829	F	C	0.902	Likely Pathogenic
SCN2A	2	166198904	T	A	829	F	L	0.199	Likely Benign
SCN2A	2	166198904	T	G	829	F	L	0.199	Likely Benign
SCN2A	2	166198905	A	C	830	I	L	0.837	Likely Pathogenic
SCN2A	2	166198905	A	G	830	I	V	0.42	Likely Benign
SCN2A	2	166198905	A	T	830	I	F	0.986	Likely Pathogenic
SCN2A	2	166198906	T	A	830	I	N	0.987	Likely Pathogenic
SCN2A	2	166198906	T	C	830	I	T	0.922	Likely Pathogenic
SCN2A	2	166198906	T	G	830	I	S	0.972	Likely Pathogenic
SCN2A	2	166198907	T	G	830	I	M	0.988	Likely Pathogenic
SCN2A	2	166198908	G	A	831	V	M	0.991	Likely Pathogenic
SCN2A	2	166198908	G	C	831	V	L	0.981	Likely Pathogenic
SCN2A	2	166198908	G	T	831	V	L	0.981	Likely Pathogenic
SCN2A	2	166198909	T	A	831	V	E	0.994	Likely Pathogenic
SCN2A	2	166198909	T	C	831	V	A	0.965	Likely Pathogenic
SCN2A	2	166198909	T	G	831	V	G	0.995	Likely Pathogenic
SCN2A	2	166198911	A	C	832	S	R	0.792	Likely Pathogenic
SCN2A	2	166198911	A	G	832	S	G	0.501	Likely Benign
SCN2A	2	166198911	A	T	832	S	C	0.43	Likely Benign
SCN2A	2	166198912	G	A	832	S	N	0.676	Likely Benign
SCN2A	2	166198912	G	C	832	S	T	0.14	Likely Benign
SCN2A	2	166198912	G	T	832	S	I	0.127	Likely Benign
SCN2A	2	166198913	C	A	832	S	R	0.636	Likely Benign
SCN2A	2	166198913	C	G	832	S	R	0.628	Likely Benign
SCN2A	2	166198914	C	A	833	L	I	0.443	Likely Benign
SCN2A	2	166198914	C	G	833	L	V	0.388	Likely Benign
SCN2A	2	166198914	C	T	833	L	F	0.646	Likely Benign
SCN2A	2	166198915	T	A	833	L	H	0.966	Likely Pathogenic
SCN2A	2	166198915	T	C	833	L	P	0.959	Likely Pathogenic
SCN2A	2	166198915	T	G	833	L	R	0.982	Likely Pathogenic
SCN2A	2	166198917	A	C	834	S	R	0.994	Likely Pathogenic
SCN2A	2	166198917	A	G	834	S	G	0.85	Likely Pathogenic
SCN2A	2	166198917	A	T	834	S	C	0.99	Likely Pathogenic
SCN2A	2	166198918	G	A	834	S	N	0.993	Likely Pathogenic
SCN2A	2	166198918	G	C	834	S	T	0.965	Likely Pathogenic
SCN2A	2	166198918	G	T	834	S	I	0.993	Likely Pathogenic
SCN2A	2	166198919	T	A	834	S	R	0.992	Likely Pathogenic
SCN2A	2	166198919	T	G	834	S	R	0.992	Likely Pathogenic
SCN2A	2	166198920	T	A	835	L	I	0.642	Likely Benign
SCN2A	2	166198920	T	G	835	L	V	0.838	Likely Pathogenic
SCN2A	2	166198921	T	C	835	L	S	0.988	Likely Pathogenic
SCN2A	2	166198922	A	C	835	L	F	0.856	Likely Pathogenic
SCN2A	2	166198922	A	T	835	L	F	0.858	Likely Pathogenic
SCN2A	2	166198923	A	C	836	M	L	0.144	Likely Benign
SCN2A	2	166198923	A	G	836	M	V	0.097	Likely Benign
SCN2A	2	166198923	A	T	836	M	L	0.144	Likely Benign
SCN2A	2	166198924	T	A	836	M	K	0.895	Likely Pathogenic
SCN2A	2	166198924	T	C	836	M	T	0.592	Likely Benign
SCN2A	2	166198924	T	G	836	M	R	0.897	Likely Pathogenic
SCN2A	2	166198925	G	A	836	M	I	0.169	Likely Benign
SCN2A	2	166198925	G	C	836	M	I	0.167	Likely Benign
SCN2A	2	166198925	G	T	836	M	I	0.168	Likely Benign
SCN2A	2	166198926	A	C	837	E	K	0.969	Likely Pathogenic
SCN2A	2	166198926	A	G	837	E	Q	0.98	Likely Pathogenic
SCN2A	2	166198926	A	T	837	E	A	0.95	Likely Pathogenic
SCN2A	2	166198927	A	C	837	E	G	0.927	Likely Pathogenic
SCN2A	2	166198927	A	T	837	E	V	0.984	Likely Pathogenic
SCN2A	2	166198928	A	C	837	E	D	0.858	Likely Pathogenic
SCN2A	2	166198928	A	T	837	E	D	0.858	Likely Pathogenic
SCN2A	2	166198929	C	A	838	L	I	0.646	Likely Benign
SCN2A	2	166198929	C	G	838	L	V	0.642	Likely Benign
SCN2A	2	166198929	C	T	838	L	F	0.85	Likely Pathogenic
SCN2A	2	166198930	T	A	838	L	H	0.975	Likely Pathogenic
SCN2A	2	166198930	T	C	838	L	P	0.981	Likely Pathogenic
SCN2A	2	166198930	T	G	838	L	R	0.984	Likely Pathogenic
SCN2A	2	166198932	G	A	839	G	S	0.443	Likely Benign
SCN2A	2	166198932	G	C	839	G	R	0.936	Likely Pathogenic
SCN2A	2	166198932	G	T	839	G	C	0.611	Likely Benign
SCN2A	2	166198933	A	G	839	G	D	0.74	Likely Benign
SCN2A	2	166198933	G	C	839	G	A	0.411	Likely Benign
SCN2A	2	166198933	G	T	839	G	V	0.712	Likely Benign
SCN2A	2	166198935	A	G	840	L	M	0.843	Likely Pathogenic
SCN2A	2	166198935	T	G	840	L	V	0.676	Likely Benign
SCN2A	2	166198936	T	C	840	L	S	0.947

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166895984	T	A	846	E	D	0.907	Likely Pathogenic
SCN1A	2	166895984	T	G	846	E	D	0.910	Likely Pathogenic
SCN1A	2	166895983	G	A	847	L	F	0.951	Likely Pathogenic
SCN1A	2	166895983	G	C	847	L	V	0.939	Likely Pathogenic
SCN1A	2	166895983	G	T	847	L	I	0.919	Likely Pathogenic
SCN1A	2	166895982	A	C	847	L	R	0.993	Likely Pathogenic
SCN1A	2	166895982	A	G	847	L	P	0.990	Likely Pathogenic
SCN1A	2	166895982	A	T	847	L	H	0.991	Likely Pathogenic
SCN1A	2	166895980	C	G	848	G	R	0.989	Likely Pathogenic
SCN1A	2	166895980	C	T	848	G	R	0.989	Likely Pathogenic
SCN1A	2	166895979	C	A	848	G	V	0.776	Likely Benign
SCN1A	2	166895979	C	G	848	G	A	0.496	Likely Benign
SCN1A	2	166895979	C	T	848	G	E	0.964	Likely Pathogenic
SCN1A	2	166895977	G	A	849	L	F	0.926	Likely Pathogenic
SCN1A	2	166895977	G	C	849	L	V	0.918	Likely Pathogenic
SCN1A	2	166895977	G	T	849	L	I	0.896	Likely Pathogenic
SCN1A	2	166895976	A	C	849	L	R	0.992	Likely Pathogenic
SCN1A	2	166895976	A	G	849	L	P	0.990	Likely Pathogenic
SCN1A	2	166895976	A	T	849	L	H	0.992	Likely Pathogenic
SCN1A	2	166895974	C	A	850	A	S	0.347	Likely Benign
SCN1A	2	166895974	C	G	850	A	P	0.715	Likely Benign
SCN1A	2	166895974	C	T	850	A	T	0.684	Likely Benign
SCN1A	2	166895973	G	A	850	A	V	0.865	Likely Pathogenic
SCN1A	2	166895973	G	C	850	A	G	0.753	Likely Benign
SCN1A	2	166895973	G	T	850	A	D	0.944	Likely Pathogenic
SCN1A	2	166895971	T	A	851	N	Y	0.850	Likely Pathogenic
SCN1A	2	166895971	T	C	851	N	D	0.203	Likely Benign
SCN1A	2	166895971	T	G	851	N	H	0.725	Likely Benign
SCN1A	2	166895970	T	A	851	N	I	0.862	Likely Pathogenic
SCN1A	2	166895970	T	C	851	N	S	0.222	Likely Benign
SCN1A	2	166895970	T	G	851	N	T	0.593	Likely Benign
SCN1A	2	166895969	A	C	851	N	K	0.314	Likely Benign
SCN1A	2	166895969	A	T	851	N	K	0.301	Likely Benign
SCN1A	2	166895968	C	A	852	V	L	0.376	Likely Benign
SCN1A	2	166895968	C	G	852	V	L	0.379	Likely Benign
SCN1A	2	166895968	C	T	852	V	M	0.711	Likely Benign
SCN1A	2	166895967	A	C	852	V	G	0.851	Likely Pathogenic
SCN1A	2	166895967	A	G	852	V	A	0.837	Likely Pathogenic
SCN1A	2	166895967	A	T	852	V	E	0.947	Likely Pathogenic
SCN1A	2	166895965	C	G	853	E	Q	0.301	Likely Benign
SCN1A	2	166895965	C	T	853	E	K	0.343	Likely Benign
SCN1A	2	166895964	T	A	853	E	V	0.820	Likely Pathogenic
SCN1A	2	166895964	T	C	853	E	G	0.308	Likely Benign
SCN1A	2	166895964	T	G	853	E	A	0.433	Likely Benign
SCN1A	2	166895963	T	A	853	E	D	0.391	Likely Benign
SCN1A	2	166895963	T	G	853	E	D	0.394	Likely Benign
SCN1A	2	166895962	G	A	854	G	R	0.988	Likely Pathogenic
SCN1A	2	166895962	C	T	854	G	R	0.988	Likely Pathogenic
SCN1A	2	166895961	C	A	854	G	V	0.980	Likely Pathogenic
SCN1A	2	166895961	C	G	854	G	A	0.902	Likely Pathogenic
SCN1A	2	166895961	C	T	854	G	E	0.963	Likely Pathogenic
SCN1A	2	166895959	A	C	855	L	V	0.944	Likely Pathogenic
SCN1A	2	166895959	A	T	855	L	I	0.750	Likely Benign
SCN1A	2	166895958	A	G	855	L	S	0.982	Likely Pathogenic
SCN1A	2	166895957	T	A	855	L	F	0.831	Likely Pathogenic
SCN1A	2	166895957	T	G	855	L	F	0.830	Likely Pathogenic
SCN1A	2	166895956	A	C	856	S	A	0.934	Likely Pathogenic
SCN1A	2	166895956	A	G	856	S	P	0.980	Likely Pathogenic
SCN1A	2	166895956	A	T	856	S	T	0.912	Likely Pathogenic
SCN1A	2	166895955	G	A	856	S	F	0.985	Likely Pathogenic
SCN1A	2	166895955	G	C	856	S	C	0.989	Likely Pathogenic
SCN1A	2	166895955	G	T	856	S	Y	0.991	Likely Pathogenic
SCN1A	2	166895953	A	C	857	V	F	0.960	Likely Pathogenic
SCN1A	2	166895953	C	G	857	V	L	0.961	Likely Pathogenic
SCN1A	2	166895953	C	T	857	V	I	0.954	Likely Pathogenic
SCN1A	2	166895952	A	C	857	V	G	0.988	Likely Pathogenic
SCN1A	2	166895952	A	G	857	V	A	0.961	Likely Pathogenic
SCN1A	2	166895952	A	T	857	V	D	0.991	Likely Pathogenic
SCN1A	2	166895950	G	A	858	L	F	0.977	Likely Pathogenic
SCN1A	2	166895950	G	C	858	L	V	0.981	Likely Pathogenic
SCN1A	2	166895950	G	T	858	L	I	0.981	Likely Pathogenic
SCN1A	2	166895949	A	C	858	L	R	0.996	Likely Pathogenic
SCN1A	2	166895949	A	G	858	L	P	0.995	Likely Pathogenic
SCN1A	2	166895949	A	T	858	L	H	0.996	Likely Pathogenic
SCN1A	2	166895947	G	A	859	R	C	0.993	Likely Pathogenic
SCN1A	2	166895947	G	C	859	R	G	0.994	Likely Pathogenic
SCN1A	2	166895947	G	T	859	R	S	0.994	Likely Pathogenic
SCN1A	2	166895946	C	A	859	R	L	0.993	Likely Pathogenic
SCN1A	2	166895946	C	G	859	R	P	0.993	Likely Pathogenic
SCN1A	2	166895946	C	T	859	R	H	0.995	Likely Pathogenic
SCN1A	2	166895944	A	C	860	S	A	0.913	Likely Pathogenic
SCN1A	2	166895944	A	G	860	S	P	0.968	Likely Pathogenic
SCN1A	2	166895944	A	T	860	S	T	0.707	Likely Benign
SCN1A	2	166895943	G	A	860	S	L	0.932	Likely Pathogenic
SCN1A	2	166895941	A	C	861	F	V	0.977	Likely Pathogenic
SCN1A	2	166895941	A	G	861	F	L	0.797	Likely Benign
SCN1A	2	166895941	A	T	861	F	I	0.974	Likely Pathogenic
SCN1A	2	166895940	A	C	861	F	C	0.993	Likely Pathogenic
SCN1A	2	166895940	A	G	861	F	S	0.993	Likely Pathogenic
SCN1A	2	166895940	A	T	861	F	Y	0.993	Likely Pathogenic
SCN1A	2	166895939	A	C	861	F	L	0.592	Likely Benign
SCN1A	2	166895939	A	T	861	F	L	0.609	Likely Benign
SCN1A	2	166895938	G	C	862	R	G	0.993	Likely Pathogenic
SCN1A	2	166895938	G	A	862	R	L	0.995	Likely Pathogenic
SCN1A	2	166895937	C	G	862	R	P	0.991	Likely Pathogenic
SCN1A	2	166895937	C	T	862	R	Q	0.993	Likely Pathogenic
SCN1A	2	166895935	A	C	863	L	V	0.926	Likely Pathogenic
SCN1A	2	166895935	A	T	863	L	M	0.993	Likely Pathogenic
SCN1A	2	166895934	A	C	863	L	W	0.994	Likely Pathogenic
SCN1A	2	166895934	A	G	863	L	S	0.991	Likely Pathogenic
SCN1A	2	166895933	C	A	863	L	F	0.986	Likely Pathogenic
SCN1A	2	166895933	C	G	863	L	F	0.986	Likely Pathogenic
SCN1A	2	166895641	A	C	864	L	R	0.995	Likely Pathogenic
SCN1A	2	166895641	A	G	864	L	P	0.996	Likely Pathogenic
SCN1A	2	166895641	A	T	864	L	Q	0.996	Likely Pathogenic
SCN1A	2	166895639	G	C	865	R	G	0.998	Likely Pathogenic
SCN1A	2	166895638	C	A	865	R	L	0.997	Likely Pathogenic
SCN1A	2	166895638	C	G	865	R	P	0.997	Likely Pathogenic
SCN1A	2	166895638	C	T	865	R	Q	0.997	Likely Pathogenic
SCN1A	2	166895636	C	A	866	V	F	0.982	Likely Pathogenic
SCN1A	2	166895636	C	G	866	V	L	0.946	Likely Pathogenic
SCN1A	2	166895636	C	T	866	V	I	0.947	Likely Pathogenic
SCN1A	2	166895635	A	C	866	V	G	0.993	Likely Pathogenic
SCN1A	2	166895635	A	G	866	V	A	0.978	Likely Pathogenic
SCN1A	2	166895635	A	T	866	V	D	0.993	Likely Pathogenic
SCN1A	2	166895633	A	C	867	F	V	0.966	Likely Pathogenic
SCN1A	2	166895633	A	G	867	F	L	0.664	Likely Benign
SCN1A	2	166895633	A	T	867	F	I	0.965	Likely Pathogenic
SCN1A	2	166895632	A	C	867	F	C	0.993	Likely Pathogenic
SCN1A	2	166895632	A	G	867	F	S	0.990	Likely Pathogenic
SCN1A	2	166895632	A	T	867	F	Y	0.992	Likely Pathogenic
SCN1A	2	166895631	G	C	867	F	L	0.655	Likely Benign
SCN1A	2	166895631	G	T	867	F	L	0.677	Likely Benign
SCN1A	2	166895630	T	C	868	K	E	0.985	Likely Pathogenic
SCN1A	2	166895630	T	G	868	K	Q	0.991	Likely Pathogenic
SCN1A	2	166895629	T	A	868	K	M	0.993	Likely Pathogenic
SCN1A	2	166895629	T	C	868	K	R	0.870	Likely Pathogenic
SCN1A	2	166895629	T	G	868	K	T	0.989	Likely Pathogenic
SCN1A	2	166895628	C	A	868	K	N	0.985	Likely Pathogenic
SCN1A	2	166895628	C	G	868	K	N	0.985	Likely Pathogenic
SCN1A	2	166895627	A	C	869	L	V	0.978	Likely Pathogenic
SCN1A	2	166895627	A	T	869	L	M	0.989	Likely Pathogenic
SCN1A	2	166895626	A	C	869	L	W	0.996	Likely Pathogenic
SCN1A	2	166895626	A	G	869	L	S	0.987	Likely Pathogenic
SCN1A	2	166895625	C	A	869	L	F	0.992	Likely Pathogenic
SCN1A	2	166895625	C	G	869	L	F	0.992	Likely Pathogenic
SCN1A	2	166895624	C	A	870	A	S	0.987	Likely Pathogenic
SCN1A	2	166895624	C	G	870	A	P	0.989	Likely Pathogenic
SCN1A	2	166895624	C	T	870	A	T	0.970	Likely Pathogenic
SCN1A	2	166895623	G	A	870	A	V	0.966	Likely Pathogenic
SCN1A	2	166895623	G	C	870	A	G	0.984	Likely Pathogenic
SCN1A	2	166895623	G	T	870	A	E	0.993	Likely Pathogenic
SCN1A	2	166895621	T	C	871	K	E	0.987	Likely Pathogenic
SCN1A	2	166895621	T	G	871	K	Q	0.977	Likely Pathogenic
SCN1A	2	166895620	T	A	871	K	I	0.994	Likely Pathogenic
SCN1A	2	166895620	T	C	871	K	R	0.962	Likely Pathogenic
SCN1A	2	166895620	T	G	871	K	T	0.983	Likely Pathogenic
SCN1A	2	166895619	T	A	871	K	N	0.978	Likely Pathogenic
SCN1A	2	166895619	T	G	871	K	N	0.978	Likely Pathogenic
SCN1A	2	166895618	A	C	872	S	A	0.973	Likely Pathogenic
SCN1A	2	166895618	A	G	872	S	P	0.989	Likely Pathogenic
SCN1A	2	166895618	A	T	872	S	T	0.978	Likely Pathogenic
SCN1A	2	166895617	G	A	872	S	F	0.975	Likely Pathogenic
SCN1A	2	166895617	G	C	872	S	C	0.992	Likely Pathogenic
SCN1A	2	166895617	G	T	872	S	Y	0.967	Likely Pathogenic
SCN1A	2	166895615	A	C	873	W	G	0.974	Likely Pathogenic
SCN1A	2	166895615	A	G	873	W	R	0.993	Likely Pathogenic
SCN1A	2	166895615	A	T	873	W	R	0.993	Likely Pathogenic
SCN1A	2	166895614	C	A	873	W	L	0.974	Likely Pathogenic
SCN1A	2	166895614	C	G	873	W	S	0.977	Likely Pathogenic
SCN1A	2	166895614	C	T	873	W	C	0.993	Likely Pathogenic
SCN1A	2	166895613	C	G	873	W	C	0.993	Likely Pathogenic
SCN1A	2	166895612	G	A	874	P	S	0.981	Likely Pathogenic
SCN1A	2	166895612	G	C	874	P	A	0.984	Likely Pathogenic
SCN1A	2	166895612	G	T	874	P	T	0.982	Likely Pathogenic
SCN1A	2	166895611	G	A	874	P	L	0.992	Likely Pathogenic
SCN1A	2	166895611	G	C	874	P	R	0.975	Likely Pathogenic
SCN1A	2	166895611	G	T	874	P	Q	0.978	Likely Pathogenic
SCN1A	2	166895609	T	A	875	T	S	0.962	Likely Pathogenic
SCN1A	2	166895609	T	C	875	T	A	0.974	Likely Pathogenic
SCN1A	2	166895609	T	G	875	T	P	0.989	Likely Pathogenic
SCN1A	2	166895608	G	A	875	T	M	0.990	Likely Pathogenic
SCN1A	2	166895608	G	C	875	T	R	0.978	Likely Pathogenic
SCN1A	2	166895608	G	T	875	T	K	0.977	Likely Pathogenic
SCN1A	2	166895606	A	C	876	L	V	0.981	Likely Pathogenic
SCN1A	2	166895606	A	T	876	L	I	0.975	Likely Pathogenic
SCN1A	2	166895605	A	G	876	L	S	0.996	Likely Pathogenic
SCN1A	2	166895604	T	A	876	L	F	0.986	Likely Pathogenic
SCN1A	2	166895604	T	G	876	L	F	0.986	Likely Pathogenic
SCN1A	2	166895603	T	A	877	N	Y	0.983	Likely Pathogenic
SCN1A	2	166895603	T	C	877	N	D	0.988	Likely Pathogenic
SCN1A	2	166895603	T	G	877	N	H	0.954	Likely Pathogenic
SCN1A	2	166895602	T	A	877	N	I	0.990	Likely Pathogenic
SCN1A	2	166895602	T	C	877	N	S	0.969	Likely Pathogenic
SCN1A	2	166895602	T	G	877	N	T	0.989	Likely Pathogenic
SCN1A	2	166895601	A	C	877	N	K	0.924	Likely Pathogenic
SCN1A	2	166895601	A	T	877	N	K	0.924	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166198950	G	A	845	G	R	0.935	Likely Pathogenic
SCN2A	2	166198950	G	C	845	G	R	0.932	Likely Pathogenic
SCN2A	2	166198951	G	A	845	G	E	0.671	Likely Benign
SCN2A	2	166198951	G	C	845	G	A	0.774	Likely Benign
SCN2A	2	166198951	G	T	845	G	V	0.899	Likely Pathogenic
SCN2A	2	166198953	T	A	846	L	M	0.624	Likely Benign
SCN2A	2	166198953	T	G	846	L	V	0.703	Likely Benign
SCN2A	2	166198954	T	C	846	L	S	0.941	Likely Pathogenic
SCN2A	2	166198954	T	G	846	L	W	0.957	Likely Pathogenic
SCN2A	2	166198955	G	C	846	L	F	0.559	Likely Benign
SCN2A	2	166198955	G	T	846	L	F	0.548	Likely Benign
SCN2A	2	166198956	T	A	847	S	T	0.506	Likely Benign
SCN2A	2	166198956	T	C	847	S	P	0.933	Likely Pathogenic
SCN2A	2	166198956	T	G	847	S	A	0.895	Likely Pathogenic
SCN2A	2	166198957	C	T	847	S	L	0.897	Likely Pathogenic
SCN2A	2	166198959	G	A	848	V	I	0.848	Likely Pathogenic
SCN2A	2	166198959	G	C	848	V	L	0.9	Likely Pathogenic
SCN2A	2	166198959	G	T	848	V	F	0.817	Likely Pathogenic
SCN2A	2	166198960	T	A	848	V	D	0.984	Likely Pathogenic
SCN2A	2	166198960	T	C	848	V	A	0.928	Likely Pathogenic
SCN2A	2	166198960	T	G	848	V	G	0.976	Likely Pathogenic
SCN2A	2	166198962	C	A	849	L	I	0.84	Likely Pathogenic
SCN2A	2	166198962	C	G	849	L	V	0.909	Likely Pathogenic
SCN2A	2	166198962	C	T	849	L	F	0.824	Likely Pathogenic
SCN2A	2	166198963	T	A	849	L	H	0.992	Likely Pathogenic
SCN2A	2	166198963	T	C	849	L	P	0.99	Likely Pathogenic
SCN2A	2	166198963	T	G	849	L	R	0.993	Likely Pathogenic
SCN2A	2	166198965	G	A	850	R	Q	0.973	Likely Pathogenic
SCN2A	2	166198966	G	A	850	R	Q	0.975	Likely Pathogenic
SCN2A	2	166198966	G	C	850	R	P	0.987	Likely Pathogenic
SCN2A	2	166198966	G	T	850	R	L	0.983	Likely Pathogenic
SCN2A	2	166198968	T	A	851	S	T	0.499	Likely Benign
SCN2A	2	166198968	T	C	851	S	P	0.857	Likely Pathogenic
SCN2A	2	166198968	T	G	851	S	A	0.752	Likely Benign
SCN2A	2	166198969	C	T	851	S	L	0.855	Likely Pathogenic
SCN2A	2	166198971	T	A	852	F	I	0.955	Likely Pathogenic
SCN2A	2	166198971	T	C	852	F	L	0.65	Likely Benign
SCN2A	2	166198971	T	G	852	F	V	0.966	Likely Pathogenic
SCN2A	2	166198972	T	A	852	F	Y	0.989	Likely Pathogenic
SCN2A	2	166198972	T	C	852	F	S	0.984	Likely Pathogenic
SCN2A	2	166198972	T	G	852	F	C	0.99	Likely Pathogenic
SCN2A	2	166198973	C	A	852	F	L	0.416	Likely Benign
SCN2A	2	166198973	C	G	852	F	L	0.414	Likely Benign
SCN2A	2	166198974	A	G	853	R	G	0.977	Likely Pathogenic
SCN2A	2	166198974	C	T	853	R	W	0.975	Likely Pathogenic
SCN2A	2	166198975	G	A	853	R	Q	0.982	Likely Pathogenic
SCN2A	2	166198975	G	C	853	R	P	0.99	Likely Pathogenic
SCN2A	2	166198975	G	T	853	R	L	0.994	Likely Pathogenic
SCN2A	2	166198977	C	A	854	L	M	0.957	Likely Pathogenic
SCN2A	2	166198977	C	G	854	L	V	0.53	Likely Benign
SCN2A	2	166198978	T	A	854	L	Q	0.985	Likely Pathogenic
SCN2A	2	166198978	T	C	854	L	P	0.986	Likely Pathogenic
SCN2A	2	166198978	T	G	854	L	R	0.989	Likely Pathogenic
SCN2A	2	166201065	C	A	855	L	I	0.981	Likely Pathogenic
SCN2A	2	166201065	C	G	855	L	V	0.971	Likely Pathogenic
SCN2A	2	166201065	C	T	855	L	F	0.975	Likely Pathogenic
SCN2A	2	166201066	T	A	855	L	H	0.995	Likely Pathogenic
SCN2A	2	166201066	T	C	855	L	P	0.995	Likely Pathogenic
SCN2A	2	166201066	T	G	855	L	R	0.995	Likely Pathogenic
SCN2A	2	166201068	C	G	856	R	G	0.997	Likely Pathogenic
SCN2A	2	166201069	G	A	856	R	Q	0.996	Likely Pathogenic
SCN2A	2	166201069	G	C	856	R	P	0.996	Likely Pathogenic
SCN2A	2	166201069	G	T	856	R	L	0.997	Likely Pathogenic
SCN2A	2	166201071	G	A	857	V	I	0.918	Likely Pathogenic
SCN2A	2	166201071	G	C	857	V	L	0.926	Likely Pathogenic
SCN2A	2	166201071	G	T	857	V	F	0.979	Likely Pathogenic
SCN2A	2	166201072	T	A	857	V	D	0.992	Likely Pathogenic
SCN2A	2	166201072	T	C	857	V	A	0.977	Likely Pathogenic
SCN2A	2	166201072	T	G	857	V	G	0.992	Likely Pathogenic
SCN2A	2	166201074	T	A	858	F	I	0.965	Likely Pathogenic
SCN2A	2	166201074	T	C	858	F	L	0.8	Likely Benign
SCN2A	2	166201074	T	G	858	F	V	0.968	Likely Pathogenic
SCN2A	2	166201075	T	A	858	F	Y	0.99	Likely Pathogenic
SCN2A	2	166201075	T	C	858	F	S	0.989	Likely Pathogenic
SCN2A	2	166201075	T	G	858	F	C	0.992	Likely Pathogenic
SCN2A	2	166201076	C	A	858	F	L	0.729	Likely Benign
SCN2A	2	166201076	C	G	858	F	L	0.732	Likely Benign
SCN2A	2	166201077	A	C	859	K	Q	0.988	Likely Pathogenic
SCN2A	2	166201077	A	G	859	K	E	0.979	Likely Pathogenic
SCN2A	2	166201078	A	C	859	K	T	0.986	Likely Pathogenic
SCN2A	2	166201078	A	G	859	K	R	0.839	Likely Pathogenic
SCN2A	2	166201078	A	T	859	K	M	0.992	Likely Pathogenic
SCN2A	2	166201079	G	C	859	K	N	0.986	Likely Pathogenic
SCN2A	2	166201079	G	T	859	K	N	0.986	Likely Pathogenic
SCN2A	2	166201080	T	A	860	L	M	0.98	Likely Pathogenic
SCN2A	2	166201080	T	G	860	L	V	0.958	Likely Pathogenic
SCN2A	2	166201081	T	C	860	L	S	0.984	Likely Pathogenic
SCN2A	2	166201081	T	G	860	L	W	0.995	Likely Pathogenic
SCN2A	2	166201082	G	C	860	L	F	0.99	Likely Pathogenic
SCN2A	2	166201082	G	T	860	L	F	0.989	Likely Pathogenic
SCN2A	2	166201083	G	A	861	A	T	0.966	Likely Pathogenic
SCN2A	2	166201083	G	C	861	A	P	0.988	Likely Pathogenic
SCN2A	2	166201083	G	T	861	A	S	0.985	Likely Pathogenic
SCN2A	2	166201084	A	C	861	A	E	0.991	Likely Pathogenic
SCN2A	2	166201084	A	G	861	A	G	0.977	Likely Pathogenic
SCN2A	2	166201084	A	T	861	A	V	0.962	Likely Pathogenic
SCN2A	2	166201086	A	C	862	K	Q	0.976	Likely Pathogenic
SCN2A	2	166201086	A	G	862	K	E	0.98	Likely Pathogenic
SCN2A	2	166201087	A	C	862	K	T	0.98	Likely Pathogenic
SCN2A	2	166201087	A	G	862	K	R	0.945	Likely Pathogenic
SCN2A	2	166201087	A	T	862	K	I	0.992	Likely Pathogenic
SCN2A	2	166201088	A	C	862	K	N	0.973	Likely Pathogenic
SCN2A	2	166201088	A	T	862	K	N	0.973	Likely Pathogenic
SCN2A	2	166201089	T	A	863	S	T	0.97	Likely Pathogenic
SCN2A	2	166201089	T	C	863	S	P	0.985	Likely Pathogenic
SCN2A	2	166201089	T	G	863	S	A	0.965	Likely Pathogenic
SCN2A	2	166201090	C	A	863	S	Y	0.956	Likely Pathogenic
SCN2A	2	166201090	C	G	863	S	C	0.989	Likely Pathogenic
SCN2A	2	166201090	C	T	863	S	F	0.965	Likely Pathogenic
SCN2A	2	166201092	A	G	864	W	R	0.99	Likely Pathogenic
SCN2A	2	166201092	T	C	864	W	R	0.991	Likely Pathogenic
SCN2A	2	166201092	T	G	864	W	G	0.97	Likely Pathogenic
SCN2A	2	166201093	G	C	864	W	S	0.971	Likely Pathogenic
SCN2A	2	166201093	G	T	864	W	L	0.967	Likely Pathogenic
SCN2A	2	166201094	G	C	864	W	C	0.99	Likely Pathogenic
SCN2A	2	166201094	G	T	864	W	C	0.99	Likely Pathogenic
SCN2A	2	166201095	A	C	865	P	T	0.976	Likely Pathogenic
SCN2A	2	166201095	C	G	865	P	A	0.97	Likely Pathogenic
SCN2A	2	166201095	C	T	865	P	S	0.967	Likely Pathogenic
SCN2A	2	166201096	G	A	865	P	Q	0.969	Likely Pathogenic
SCN2A	2	166201096	C	G	865	P	R	0.96	Likely Pathogenic
SCN2A	2	166201096	C	T	865	P	L	0.985	Likely Pathogenic
SCN2A	2	166201098	A	C	866	T	P	0.984	Likely Pathogenic
SCN2A	2	166201098	A	G	866	T	A	0.967	Likely Pathogenic
SCN2A	2	166201098	A	T	866	T	S	0.948	Likely Pathogenic
SCN2A	2	166201099	C	A	866	T	N	0.977	Likely Pathogenic
SCN2A	2	166201099	C	G	866	T	S	0.953	Likely Pathogenic
SCN2A	2	166201099	C	T	866	T	I	0.991	Likely Pathogenic
SCN2A	2	166201101	A	C	867	L	M	0.968	Likely Pathogenic
SCN2A	2	166201101	A	G	867	L	V	0.978	Likely Pathogenic
SCN2A	2	166201102	T	A	867	L	Q	0.994	Likely Pathogenic
SCN2A	2	166201102	T	C	867	L	P	0.995	Likely Pathogenic
SCN2A	2	166201102	T	G	867	L	R	0.994	Likely Pathogenic
SCN2A	2	166201104	A	C	868	N	H	0.958	Likely Pathogenic
SCN2A	2	166201104	A	G	868	N	D	0.973	Likely Pathogenic
SCN2A	2	166201104	A	T	868	N	Y	0.975	Likely Pathogenic
SCN2A	2	166201105	A	C	868	N	T	0.98	Likely Pathogenic
SCN2A	2	166201105	A	G	868	N	S	0.953	Likely Pathogenic
SCN2A	2	166201105	A	T	868	N	I	0.984	Likely Pathogenic
SCN2A	2	166201106	T	A	868	N	K	0.819	Likely Pathogenic
SCN2A	2	166201106	T	G	868	N	K	0.819	Likely Pathogenic
SCN2A	2	166201107	A	C	869	M	L	0.465	Likely Benign
SCN2A	2	166201107	A	G	869	M	V	0.438	Likely Benign
SCN2A	2	166201107	A	T	869	M	L	0.465	Likely Benign
SCN2A	2	166201108	T	A	869	M	K	0.556	Likely Benign
SCN2A	2	166201108	T	C	869	M	T	0.207	Likely Benign
SCN2A	2	166201108	T	G	869	M	R	0.745	Likely Benign
SCN2A	2	166201109	G	A	869	M	I	0.496	Likely Benign
SCN2A	2	166201109	G	T	869	M	I	0.495	Likely Benign
SCN2A	2	166201109	G	T	869	M	I	0.496	Likely Benign
SCN2A	2	166201110	C	A	870	L	I	0.96	Likely Pathogenic
SCN2A	2	166201110	G	T	870	L	V	0.947	Likely Pathogenic
SCN2A	2	166201111	T	A	870	L	Q	0.982	Likely Pathogenic
SCN2A	2	166201111	T	C	870	L	P	0.995	Likely Pathogenic
SCN2A	2	166201111	T	G	870	L	R	0.992	Likely Pathogenic
SCN2A	2	166201113	A	C	871	I	L	0.59	Likely Benign
SCN2A	2	166201113	A	G	871	I	V	0.67	Likely Benign
SCN2A	2	166201113	A	T	871	I	F	0.958	Likely Pathogenic
SCN2A	2	166201114	T	A	871	I	N	0.984	Likely Pathogenic
SCN2A	2	166201114	T	C	871	I	T

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166894600	T	A	878	M	L	0.472	Likely Benign
SCN1A	2	166894600	T	C	878	M	V	0.778	Likely Benign
SCN1A	2	166894600	T	G	878	M	L	0.465	Likely Benign
SCN1A	2	166894599	A	C	878	M	R	0.887	Likely Pathogenic
SCN1A	2	166894599	A	G	878	M	T	0.179	Likely Benign
SCN1A	2	166894599	A	T	878	M	K	0.542	Likely Benign
SCN1A	2	166894598	C	A	878	M	I	0.476	Likely Benign
SCN1A	2	166894598	C	G	878	M	I	0.448	Likely Benign
SCN1A	2	166894598	C	T	878	M	I	0.449	Likely Benign
SCN1A	2	166894597	G	C	879	L	V	0.962	Likely Pathogenic
SCN1A	2	166894597	G	T	879	L	I	0.973	Likely Pathogenic
SCN1A	2	166894596	A	C	879	L	R	0.994	Likely Pathogenic
SCN1A	2	166894596	A	G	879	L	P	0.996	Likely Pathogenic
SCN1A	2	166894596	A	T	879	L	Q	0.988	Likely Pathogenic
SCN1A	2	166894594	T	A	880	L	L	0.622	Likely Benign
SCN1A	2	166894594	T	C	880	L	V	0.778	Likely Benign
SCN1A	2	166894594	T	G	880	L	L	0.622	Likely Benign
SCN1A	2	166894593	A	C	880	L	R	0.983	Likely Pathogenic
SCN1A	2	166894593	A	G	880	L	T	0.982	Likely Pathogenic
SCN1A	2	166894593	A	T	880	L	K	0.985	Likely Pathogenic
SCN1A	2	166894592	T	C	880	L	M	0.923	Likely Pathogenic
SCN1A	2	166894591	T	C	881	K	E	0.953	Likely Pathogenic
SCN1A	2	166894591	T	G	881	K	Q	0.958	Likely Pathogenic
SCN1A	2	166894590	T	A	881	K	M	0.974	Likely Pathogenic
SCN1A	2	166894590	T	C	881	K	R	0.947	Likely Pathogenic
SCN1A	2	166894590	T	G	881	K	T	0.957	Likely Pathogenic
SCN1A	2	166894589	C	A	881	K	N	0.959	Likely Pathogenic
SCN1A	2	166894589	C	G	881	K	N	0.958	Likely Pathogenic
SCN1A	2	166894588	T	A	882	I	F	0.989	Likely Pathogenic
SCN1A	2	166894588	T	C	882	I	V	0.958	Likely Pathogenic
SCN1A	2	166894588	T	G	882	I	L	0.964	Likely Pathogenic
SCN1A	2	166894587	A	C	882	I	S	0.953	Likely Pathogenic
SCN1A	2	166894587	A	G	882	I	T	0.943	Likely Pathogenic
SCN1A	2	166894587	A	T	882	I	N	0.987	Likely Pathogenic
SCN1A	2	166894586	G	C	882	I	M	0.974	Likely Pathogenic
SCN1A	2	166894585	T	A	883	I	F	0.960	Likely Pathogenic
SCN1A	2	166894585	T	C	883	I	V	0.891	Likely Pathogenic
SCN1A	2	166894585	T	G	883	I	L	0.812	Likely Pathogenic
SCN1A	2	166894584	A	C	883	I	S	0.992	Likely Pathogenic
SCN1A	2	166894584	A	G	883	I	T	0.983	Likely Pathogenic
SCN1A	2	166894584	A	T	883	I	N	0.986	Likely Pathogenic
SCN1A	2	166894583	G	C	883	I	M	0.968	Likely Pathogenic
SCN1A	2	166894582	C	A	884	G	C	0.976	Likely Pathogenic
SCN1A	2	166894582	C	G	884	G	R	0.981	Likely Pathogenic
SCN1A	2	166894582	C	T	884	G	S	0.971	Likely Pathogenic
SCN1A	2	166894581	C	A	884	G	V	0.964	Likely Pathogenic
SCN1A	2	166894581	C	G	884	G	A	0.963	Likely Pathogenic
SCN1A	2	166894581	C	T	884	G	D	0.982	Likely Pathogenic
SCN1A	2	166894579	T	A	885	N	Y	0.977	Likely Pathogenic
SCN1A	2	166894579	T	C	885	N	D	0.973	Likely Pathogenic
SCN1A	2	166894579	T	G	885	N	H	0.974	Likely Pathogenic
SCN1A	2	166894578	T	A	885	N	I	0.978	Likely Pathogenic
SCN1A	2	166894578	T	C	885	N	S	0.952	Likely Pathogenic
SCN1A	2	166894578	T	G	885	N	T	0.972	Likely Pathogenic
SCN1A	2	166894577	A	C	885	N	K	0.936	Likely Pathogenic
SCN1A	2	166894577	A	T	885	N	K	0.936	Likely Pathogenic
SCN1A	2	166894576	A	C	886	S	A	0.972	Likely Pathogenic
SCN1A	2	166894576	A	G	886	S	P	0.995	Likely Pathogenic
SCN1A	2	166894576	A	T	886	S	T	0.956	Likely Pathogenic
SCN1A	2	166894575	G	A	886	S	F	0.995	Likely Pathogenic
SCN1A	2	166894575	G	C	886	S	C	0.994	Likely Pathogenic
SCN1A	2	166894575	G	T	886	S	Y	0.995	Likely Pathogenic
SCN1A	2	166894573	C	A	887	V	L	0.418	Likely Benign
SCN1A	2	166894573	C	G	887	V	L	0.413	Likely Benign
SCN1A	2	166894573	C	T	887	V	M	0.688	Likely Benign
SCN1A	2	166894572	A	C	887	V	G	0.973	Likely Pathogenic
SCN1A	2	166894572	A	G	887	V	A	0.952	Likely Pathogenic
SCN1A	2	166894572	A	T	887	V	E	0.985	Likely Pathogenic
SCN1A	2	166894570	C	A	888	G	W	0.983	Likely Pathogenic
SCN1A	2	166894570	C	G	888	G	R	0.937	Likely Pathogenic
SCN1A	2	166894570	C	T	888	G	R	0.937	Likely Pathogenic
SCN1A	2	166894569	C	A	888	G	V	0.945	Likely Pathogenic
SCN1A	2	166894569	C	G	888	G	A	0.948	Likely Pathogenic
SCN1A	2	166894569	C	T	888	G	E	0.961	Likely Pathogenic
SCN1A	2	166894567	C	A	889	A	S	0.962	Likely Pathogenic
SCN1A	2	166894567	C	G	889	A	P	0.973	Likely Pathogenic
SCN1A	2	166894567	C	T	889	A	T	0.985	Likely Pathogenic
SCN1A	2	166894566	G	A	889	A	V	0.992	Likely Pathogenic
SCN1A	2	166894566	G	C	889	A	G	0.972	Likely Pathogenic
SCN1A	2	166894566	G	T	889	A	D	0.979	Likely Pathogenic
SCN1A	2	166894564	G	C	890	L	V	0.961	Likely Pathogenic
SCN1A	2	166894564	G	T	890	L	M	0.969	Likely Pathogenic
SCN1A	2	166894563	A	C	890	L	R	0.994	Likely Pathogenic
SCN1A	2	166894563	A	G	890	L	P	0.993	Likely Pathogenic
SCN1A	2	166894563	A	T	890	L	Q	0.996	Likely Pathogenic
SCN1A	2	166894561	C	G	891	G	R	0.980	Likely Pathogenic
SCN1A	2	166894561	C	T	891	G	R	0.980	Likely Pathogenic
SCN1A	2	166894560	A	T	891	G	V	0.970	Likely Pathogenic
SCN1A	2	166894560	C	G	891	G	A	0.959	Likely Pathogenic
SCN1A	2	166894560	C	T	891	G	E	0.988	Likely Pathogenic
SCN1A	2	166894558	A	T	892	N	Y	0.970	Likely Pathogenic
SCN1A	2	166894558	T	C	892	N	D	0.978	Likely Pathogenic
SCN1A	2	166894558	T	G	892	N	H	0.969	Likely Pathogenic
SCN1A	2	166894557	T	A	892	N	I	0.989	Likely Pathogenic
SCN1A	2	166894557	T	C	892	N	S	0.962	Likely Pathogenic
SCN1A	2	166894557	T	G	892	N	T	0.968	Likely Pathogenic
SCN1A	2	166894556	A	C	892	N	K	0.987	Likely Pathogenic
SCN1A	2	166894556	A	T	892	N	K	0.987	Likely Pathogenic
SCN1A	2	166894555	A	C	893	L	V	0.928	Likely Pathogenic
SCN1A	2	166894555	A	T	893	L	I	0.935	Likely Pathogenic
SCN1A	2	166894554	A	G	893	L	S	0.989	Likely Pathogenic
SCN1A	2	166894553	T	A	893	L	F	0.963	Likely Pathogenic
SCN1A	2	166894553	T	G	893	L	F	0.963	Likely Pathogenic
SCN1A	2	166894552	T	A	894	T	S	0.950	Likely Pathogenic
SCN1A	2	166894552	T	C	894	T	A	0.930	Likely Pathogenic
SCN1A	2	166894552	T	G	894	T	P	0.979	Likely Pathogenic
SCN1A	2	166894551	G	A	894	T	I	0.929	Likely Pathogenic
SCN1A	2	166894551	G	C	894	T	S	0.934	Likely Pathogenic
SCN1A	2	166894551	G	T	894	T	N	0.977	Likely Pathogenic
SCN1A	2	166894549	A	C	895	L	F	0.811	Likely Pathogenic
SCN1A	2	166894549	G	C	895	L	V	0.705	Likely Benign
SCN1A	2	166894549	G	T	895	L	I	0.650	Likely Benign
SCN1A	2	166894548	A	C	895	L	R	0.993	Likely Pathogenic
SCN1A	2	166894548	A	G	895	L	P	0.994	Likely Pathogenic
SCN1A	2	166894548	A	T	895	L	H	0.993	Likely Pathogenic
SCN1A	2	166894546	C	A	896	V	F	0.979	Likely Pathogenic
SCN1A	2	166894546	C	G	896	V	L	0.823	Likely Pathogenic
SCN1A	2	166894546	C	T	896	V	I	0.771	Likely Benign
SCN1A	2	166894545	A	C	896	V	G	0.988	Likely Pathogenic
SCN1A	2	166894545	A	G	896	V	A	0.979	Likely Pathogenic
SCN1A	2	166894545	A	T	896	V	D	0.991	Likely Pathogenic
SCN1A	2	166894543	A	C	897	L	V	0.980	Likely Pathogenic
SCN1A	2	166894543	A	T	897	L	M	0.973	Likely Pathogenic
SCN1A	2	166894542	A	C	897	L	W	0.995	Likely Pathogenic
SCN1A	2	166894542	A	G	897	L	S	0.993	Likely Pathogenic
SCN1A	2	166894541	C	A	897	L	F	0.982	Likely Pathogenic
SCN1A	2	166894541	C	G	897	L	F	0.982	Likely Pathogenic
SCN1A	2	166894540	C	A	898	A	S	0.946	Likely Pathogenic
SCN1A	2	166894540	C	G	898	A	P	0.982	Likely Pathogenic
SCN1A	2	166894540	C	T	898	A	T	0.934	Likely Pathogenic
SCN1A	2	166894539	G	A	898	A	V	0.875	Likely Pathogenic
SCN1A	2	166894539	G	C	898	A	G	0.848	Likely Pathogenic
SCN1A	2	166894539	G	T	898	A	D	0.971	Likely Pathogenic
SCN1A	2	166894537	T	A	899	I	F	0.948	Likely Pathogenic
SCN1A	2	166894537	T	C	899	I	V	0.923	Likely Pathogenic
SCN1A	2	166894537	T	G	899	I	L	0.767	Likely Benign
SCN1A	2	166894536	A	C	899	I	S	0.992	Likely Pathogenic
SCN1A	2	166894536	A	G	899	I	T	0.979	Likely Pathogenic
SCN1A	2	166894536	A	T	899	I	N	0.992	Likely Pathogenic
SCN1A	2	166894535	G	C	899	I	M	0.945	Likely Pathogenic
SCN1A	2	166894534	T	A	900	I	F	0.943	Likely Pathogenic
SCN1A	2	166894534	T	C	900	I	V	0.357	Likely Benign
SCN1A	2	166894534	T	G	900	I	L	0.822	Likely Pathogenic
SCN1A	2	166894533	A	C	900	I	S	0.980	Likely Pathogenic
SCN1A	2	166894533	A	G	900	I	T	0.954	Likely Pathogenic
SCN1A	2	166894533	A	T	900	I	N	0.988	Likely Pathogenic
SCN1A	2	166894532	G	C	900	I	M	0.941	Likely Pathogenic
SCN1A	2	166894531	C	A	901	V	F	0.946	Likely Pathogenic
SCN1A	2	166894531	C	G	901	V	L	0.834	Likely Pathogenic
SCN1A	2	166894531	C	T	901	V	I	0.578	Likely Benign
SCN1A	2	166894530	A	C	901	V	G	0.986	Likely Pathogenic
SCN1A	2	166894530	A	G	901	V	A	0.982	Likely Pathogenic
SCN1A	2	166894530	A	T	901	V	D	0.986	Likely Pathogenic
SCN1A	2	166894528	A	C	902	F	V	0.977	Likely Pathogenic
SCN1A	2	166894528	A	G	902	F	L	0.976	Likely Pathogenic
SCN1A	2	166894528	A	T	902	F	I	0.978	Likely Pathogenic
SCN1A	2	166894527	A	C	902	F	C	0.991	Likely Pathogenic
SCN1A	2	166894527	A	G	902	F	S	0.986	Likely Pathogenic
SCN1A	2	166894527	A	T	902	F	Y	0.965	Likely Pathogenic
SCN1A	2	166894526	G	C	902	F	L	0.974	Likely Pathogenic
SCN1A	2	166894526	G	T	902	F	L	0.973	Likely Pathogenic
SCN1A	2	166894525	T	A	903	I	F	0.990	Likely Pathogenic
SCN1A	2	166894525	T	C	903	I	V	0.823	Likely Pathogenic
SCN1A	2	166894525	T	G	903	I	L	0.991	Likely Pathogenic
SCN1A	2	166894524	A	C	903	I	S	0.994	Likely Pathogenic
SCN1A	2	166894524	A	G	903	I	T	0.989	Likely Pathogenic
SCN1A	2	166894524	A	T	903	I	N	0.993	Likely Pathogenic
SCN1A	2	166894523	A	C	903	I	M	0.985	Likely Pathogenic
SCN1A	2	166894522	A	C	904	F	V	0.995	Likely Pathogenic
SCN1A	2	166894522	A	G	904	F	L	0.991	Likely Pathogenic
SCN1A	2	166894522	A	T	904	F	I	0.994	Likely Pathogenic
SCN1A	2	166894521	A	C	904	F	C	0.995	Likely Pathogenic
SCN1A	2	166894521	A	G	904	F	S	0.991	Likely Pathogenic
SCN1A	2	166894521	A	T	904	F	Y	0.975	Likely Pathogenic
SCN1A	2	166894520	A	C	904	F	L	0.992	Likely Pathogenic
SCN1A	2	166894520	A	T	904	F	L	0.992	Likely Pathogenic
SCN1A	2	166894519	C	A	905	A	S	0.962	Likely Pathogenic
SCN1A	2	166894519	C	G	905	A	P	0.994	Likely Pathogenic
SCN1A	2	166894519	C	T	905	A	T	0.982	Likely Pathogenic
SCN1A	2	166894518	G	A	905	A	V	0.989	Likely Pathogenic
SCN1A	2	166894518	G	C	905	A	G	0.977	Likely Pathogenic
SCN1A	2	166894518	G	T	905	A	D	0.992	Likely Pathogenic
SCN1A	2	166894516	C	A	906	V	L	0.892	Likely Pathogenic
SCN1A	2	166894516	C	G	906	V	L	0.896	Likely Pathogenic
SCN1A	2	166894516	C	T	906	V	M	0.991	Likely Pathogenic
SCN1A	2	166894515	A	C	906	V	G	0.993	Likely Pathogenic
SCN1A	2	166894515	A	G	906	V	A	0.971	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166201126	G	C	875	G	A	0.964	Likely Pathogenic
SCN2A	2	166201126	G	T	875	G	V	0.957	Likely Pathogenic
SCN2A	2	166201128	A	C	876	N	H	0.96	Likely Pathogenic
SCN2A	2	166201128	A	G	876	N	D	0.956	Likely Pathogenic
SCN2A	2	166201128	A	T	876	N	Y	0.972	Likely Pathogenic
SCN2A	2	166201129	A	C	876	N	T	0.965	Likely Pathogenic
SCN2A	2	166201129	A	G	876	N	S	0.944	Likely Pathogenic
SCN2A	2	166201129	A	T	876	N	I	0.974	Likely Pathogenic
SCN2A	2	166201130	T	A	876	N	K	0.917	Likely Pathogenic
SCN2A	2	166201130	T	G	876	N	K	0.914	Likely Pathogenic
SCN2A	2	166201131	T	A	877	S	T	0.899	Likely Pathogenic
SCN2A	2	166201131	T	C	877	S	P	0.994	Likely Pathogenic
SCN2A	2	166201131	T	G	877	S	A	0.964	Likely Pathogenic
SCN2A	2	166201132	C	A	877	S	Y	0.994	Likely Pathogenic
SCN2A	2	166201132	C	G	877	S	C	0.993	Likely Pathogenic
SCN2A	2	166201132	C	T	877	S	F	0.993	Likely Pathogenic
SCN2A	2	166201134	G	A	878	V	M	0.855	Likely Pathogenic
SCN2A	2	166201134	G	T	878	V	L	0.654	Likely Benign
SCN2A	2	166201134	G	T	878	V	L	0.66	Likely Benign
SCN2A	2	166201135	T	A	878	V	E	0.987	Likely Pathogenic
SCN2A	2	166201135	T	C	878	V	A	0.972	Likely Pathogenic
SCN2A	2	166201135	T	G	878	V	G	0.981	Likely Pathogenic
SCN2A	2	166201137	G	A	879	G	R	0.924	Likely Pathogenic
SCN2A	2	166201137	G	C	879	G	R	0.927	Likely Pathogenic
SCN2A	2	166201137	G	T	879	G	W	0.98	Likely Pathogenic
SCN2A	2	166201138	G	A	879	G	E	0.949	Likely Pathogenic
SCN2A	2	166201138	G	C	879	G	A	0.929	Likely Pathogenic
SCN2A	2	166201138	G	T	879	G	V	0.911	Likely Pathogenic
SCN2A	2	166201140	G	A	880	A	T	0.981	Likely Pathogenic
SCN2A	2	166201140	G	C	880	A	P	0.969	Likely Pathogenic
SCN2A	2	166201140	G	T	880	A	S	0.964	Likely Pathogenic
SCN2A	2	166201141	C	A	880	A	D	0.976	Likely Pathogenic
SCN2A	2	166201141	C	G	880	A	G	0.969	Likely Pathogenic
SCN2A	2	166201141	C	T	880	A	V	0.99	Likely Pathogenic
SCN2A	2	166201143	C	A	881	L	I	0.954	Likely Pathogenic
SCN2A	2	166201143	C	G	881	L	V	0.968	Likely Pathogenic
SCN2A	2	166201143	C	T	881	L	Q	0.993	Likely Pathogenic
SCN2A	2	166201144	T	C	881	L	P	0.989	Likely Pathogenic
SCN2A	2	166201144	T	G	881	L	R	0.99	Likely Pathogenic
SCN2A	2	166201146	A	C	882	G	R	0.896	Likely Pathogenic
SCN2A	2	166201146	G	C	882	G	R	0.894	Likely Pathogenic
SCN2A	2	166201147	G	A	882	G	E	0.961	Likely Pathogenic
SCN2A	2	166201147	G	C	882	G	A	0.897	Likely Pathogenic
SCN2A	2	166201147	G	T	882	G	V	0.943	Likely Pathogenic
SCN2A	2	166201149	A	C	883	N	H	0.968	Likely Pathogenic
SCN2A	2	166201149	A	G	883	N	D	0.968	Likely Pathogenic
SCN2A	2	166201149	A	T	883	N	Y	0.967	Likely Pathogenic
SCN2A	2	166201150	A	C	883	N	T	0.968	Likely Pathogenic
SCN2A	2	166201150	A	G	883	N	S	0.941	Likely Pathogenic
SCN2A	2	166201150	A	T	883	N	I	0.989	Likely Pathogenic
SCN2A	2	166201151	C	A	883	N	K	0.98	Likely Pathogenic
SCN2A	2	166201151	C	G	883	N	K	0.979	Likely Pathogenic
SCN2A	2	166201152	A	C	884	L	I	0.75	Likely Benign
SCN2A	2	166201152	C	G	884	L	V	0.734	Likely Benign
SCN2A	2	166201152	C	T	884	L	F	0.816	Likely Pathogenic
SCN2A	2	166201153	A	G	884	L	H	0.989	Likely Pathogenic
SCN2A	2	166201153	T	C	884	L	P	0.98	Likely Pathogenic
SCN2A	2	166201153	T	G	884	L	R	0.988	Likely Pathogenic
SCN2A	2	166201155	A	C	885	T	P	0.969	Likely Pathogenic
SCN2A	2	166201155	A	G	885	T	A	0.898	Likely Pathogenic
SCN2A	2	166201155	A	T	885	T	S	0.928	Likely Pathogenic
SCN2A	2	166201156	C	A	885	T	N	0.962	Likely Pathogenic
SCN2A	2	166201156	C	G	885	T	S	0.893	Likely Pathogenic
SCN2A	2	166201156	C	T	885	T	I	0.865	Likely Pathogenic
SCN2A	2	166201158	T	A	886	L	M	0.975	Likely Pathogenic
SCN2A	2	166201158	T	G	886	L	V	0.929	Likely Pathogenic
SCN2A	2	166201159	T	C	886	L	S	0.974	Likely Pathogenic
SCN2A	2	166201159	T	G	886	L	W	0.992	Likely Pathogenic
SCN2A	2	166201160	G	A	886	L	F	0.866	Likely Pathogenic
SCN2A	2	166201160	G	T	886	L	F	0.869	Likely Pathogenic
SCN2A	2	166201161	G	A	887	V	I	0.442	Likely Benign
SCN2A	2	166201161	G	C	887	V	L	0.706	Likely Benign
SCN2A	2	166201161	G	T	887	V	L	0.707	Likely Benign
SCN2A	2	166201162	T	A	887	V	E	0.989	Likely Pathogenic
SCN2A	2	166201162	T	C	887	V	A	0.978	Likely Pathogenic
SCN2A	2	166201162	T	G	887	V	G	0.985	Likely Pathogenic
SCN2A	2	166201164	T	A	888	L	M	0.959	Likely Pathogenic
SCN2A	2	166201164	T	G	888	L	V	0.963	Likely Pathogenic
SCN2A	2	166201165	T	C	888	L	S	0.992	Likely Pathogenic
SCN2A	2	166201165	T	G	888	L	W	0.994	Likely Pathogenic
SCN2A	2	166201166	G	C	888	L	F	0.967	Likely Pathogenic
SCN2A	2	166201166	G	T	888	L	F	0.967	Likely Pathogenic
SCN2A	2	166201167	G	A	889	A	T	0.93	Likely Pathogenic
SCN2A	2	166201167	G	C	889	A	P	0.983	Likely Pathogenic
SCN2A	2	166201167	G	T	889	A	S	0.957	Likely Pathogenic
SCN2A	2	166201168	C	A	889	A	D	0.969	Likely Pathogenic
SCN2A	2	166201168	C	G	889	A	G	0.863	Likely Pathogenic
SCN2A	2	166201168	C	T	889	A	V	0.89	Likely Pathogenic
SCN2A	2	166201170	A	C	890	I	L	0.855	Likely Pathogenic
SCN2A	2	166201170	A	G	890	I	V	0.956	Likely Pathogenic
SCN2A	2	166201170	A	T	890	I	F	0.959	Likely Pathogenic
SCN2A	2	166201171	T	A	890	I	N	0.99	Likely Pathogenic
SCN2A	2	166201171	T	C	890	I	T	0.973	Likely Pathogenic
SCN2A	2	166201171	T	G	890	I	S	0.991	Likely Pathogenic
SCN2A	2	166201172	C	G	890	I	M	0.93	Likely Pathogenic
SCN2A	2	166201173	A	C	891	I	L	0.826	Likely Pathogenic
SCN2A	2	166201173	A	G	891	I	V	0.532	Likely Benign
SCN2A	2	166201173	A	T	891	I	F	0.944	Likely Pathogenic
SCN2A	2	166201174	T	A	891	N	N	0.987	Likely Pathogenic
SCN2A	2	166201174	T	C	891	I	T	0.964	Likely Pathogenic
SCN2A	2	166201174	T	G	891	I	S	0.983	Likely Pathogenic
SCN2A	2	166201175	C	G	891	I	M	0.954	Likely Pathogenic
SCN2A	2	166201176	G	A	892	V	I	0.488	Likely Benign
SCN2A	2	166201176	G	C	892	V	L	0.91	Likely Pathogenic
SCN2A	2	166201176	G	T	892	V	F	0.941	Likely Pathogenic
SCN2A	2	166201177	T	A	892	V	D	0.986	Likely Pathogenic
SCN2A	2	166201177	T	C	892	V	A	0.982	Likely Pathogenic
SCN2A	2	166201177	T	G	892	V	G	0.986	Likely Pathogenic
SCN2A	2	166201179	T	A	893	F	I	0.972	Likely Pathogenic
SCN2A	2	166201179	T	C	893	F	L	0.975	Likely Pathogenic
SCN2A	2	166201179	T	G	893	F	V	0.975	Likely Pathogenic
SCN2A	2	166201180	T	A	893	F	Y	0.973	Likely Pathogenic
SCN2A	2	166201180	T	C	893	F	S	0.985	Likely Pathogenic
SCN2A	2	166201180	T	G	893	F	C	0.99	Likely Pathogenic
SCN2A	2	166201181	C	A	893	F	L	0.96	Likely Pathogenic
SCN2A	2	166201181	C	G	893	F	L	0.962	Likely Pathogenic
SCN2A	2	166201182	A	C	894	I	L	0.99	Likely Pathogenic
SCN2A	2	166201182	A	G	894	I	V	0.883	Likely Pathogenic
SCN2A	2	166201182	A	T	894	I	F	0.987	Likely Pathogenic
SCN2A	2	166201183	T	A	894	I	N	0.992	Likely Pathogenic
SCN2A	2	166201183	T	C	894	I	T	0.985	Likely Pathogenic
SCN2A	2	166201183	T	G	894	I	S	0.991	Likely Pathogenic
SCN2A	2	166201184	T	G	894	I	M	0.984	Likely Pathogenic
SCN2A	2	166201185	T	A	895	F	I	0.993	Likely Pathogenic
SCN2A	2	166201185	T	C	895	F	L	0.988	Likely Pathogenic
SCN2A	2	166201185	T	G	895	F	V	0.994	Likely Pathogenic
SCN2A	2	166201186	T	A	895	F	Y	0.965	Likely Pathogenic
SCN2A	2	166201186	T	C	895	F	S	0.989	Likely Pathogenic
SCN2A	2	166201186	T	G	895	F	C	0.994	Likely Pathogenic
SCN2A	2	166201187	T	A	895	F	L	0.988	Likely Pathogenic
SCN2A	2	166201187	T	G	895	F	L	0.988	Likely Pathogenic
SCN2A	2	166201188	G	A	896	A	T	0.967	Likely Pathogenic
SCN2A	2	166201188	G	C	896	A	P	0.991	Likely Pathogenic
SCN2A	2	166201188	G	T	896	A	S	0.898	Likely Pathogenic
SCN2A	2	166201189	C	A	896	A	D	0.988	Likely Pathogenic
SCN2A	2	166201189	C	G	896	A	G	0.96	Likely Pathogenic
SCN2A	2	166201189	C	T	896	A	V	0.983	Likely Pathogenic
SCN2A	2	166201191	G	A	897	V	M	0.986	Likely Pathogenic
SCN2A	2	166201191	G	C	897	V	L	0.634	Likely Benign
SCN2A	2	166201191	G	T	897	V	L	0.633	Likely Benign
SCN2A	2	166201192	T	A	897	V	E	0.99	Likely Pathogenic
SCN2A	2	166201192	T	C	897	V	A	0.966	Likely Pathogenic
SCN2A	2	166201192	T	G	897	V	G	0.991	Likely Pathogenic
SCN2A	2	166201194	G	A	898	V	I	0.75	Likely Benign
SCN2A	2	166201194	G	C	898	V	L	0.883	Likely Pathogenic
SCN2A	2	166201194	G	T	898	V	F	0.91	Likely Pathogenic
SCN2A	2	166201195	T	A	898	V	D	0.989	Likely Pathogenic
SCN2A	2	166201195	T	C	898	V	A	0.969	Likely Pathogenic
SCN2A	2	166201195	T	G	898	V	G	0.984	Likely Pathogenic
SCN2A	2	166201197	G	A	899	G	S	0.98	Likely Pathogenic
SCN2A	2	166201197	G	C	899	G	R	0.984	Likely Pathogenic
SCN2A	2	166201197	G	T	899	G	C	0.965	Likely Pathogenic
SCN2A	2	166201198	G	A	899	G	D	0.989	Likely Pathogenic
SCN2A	2	166201198	G	C	899	G	A	0.942	Likely Pathogenic
SCN2A	2	166201198	G	T	899	G	V	0.99	Likely Pathogenic
SCN2A	2	166201200	A	C	900	M	L	0.941	Likely Pathogenic
SCN2A	2	166201200	A	G	900	M	V	0.917	Likely Pathogenic
SCN2A	2	166201200	A	T	900	M	K	0.941	Likely Pathogenic
SCN2A	2	166201201

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166894515	A	T	906	V	E	0.993	Likely Pathoenic
SCN1A	2	166894513	C	A	907	V	F	0.949	Likely Pathoenic
SCN1A	2	166894513	C	G	907	V	L	0.941	Likely Pathoenic
SCN1A	2	166894513	C	T	907	V	I	0.867	Likely Pathoenic
SCN1A	2	166894512	A	C	907	V	G	0.981	Likely Pathoenic
SCN1A	2	166894512	A	G	907	V	A	0.976	Likely Pathoenic
SCN1A	2	166894512	A	T	907	V	D	0.988	Likely Pathoenic
SCN1A	2	166894510	C	A	908	G	C	0.987	Likely Pathoenic
SCN1A	2	166894510	C	G	908	G	R	0.988	Likely Pathoenic
SCN1A	2	166894510	C	T	908	G	S	0.982	Likely Pathoenic
SCN1A	2	166894509	C	A	908	G	V	0.992	Likely Pathoenic
SCN1A	2	166894509	C	G	908	G	A	0.973	Likely Pathoenic
SCN1A	2	166894509	C	T	908	G	D	0.993	Likely Pathoenic
SCN1A	2	166894507	T	A	909	M	L	0.958	Likely Pathoenic
SCN1A	2	166894507	T	C	909	M	V	0.852	Likely Pathoenic
SCN1A	2	166894507	T	G	909	M	L	0.957	Likely Pathoenic
SCN1A	2	166894506	A	C	909	M	R	0.992	Likely Pathoenic
SCN1A	2	166894506	A	G	909	M	T	0.977	Likely Pathoenic
SCN1A	2	166894506	A	T	909	M	K	0.977	Likely Pathoenic
SCN1A	2	166894505	C	A	909	M	I	0.984	Likely Pathoenic
SCN1A	2	166894505	C	G	909	M	I	0.984	Likely Pathoenic
SCN1A	2	166894505	C	T	909	M	I	0.984	Likely Pathoenic
SCN1A	2	166894504	G	C	910	Q	E	0.980	Likely Pathoenic
SCN1A	2	166894504	G	T	910	Q	K	0.980	Likely Pathoenic
SCN1A	2	166894503	T	A	910	Q	L	0.987	Likely Pathoenic
SCN1A	2	166894503	T	C	910	Q	R	0.988	Likely Pathoenic
SCN1A	2	166894503	T	G	910	Q	P	0.995	Likely Pathoenic
SCN1A	2	166894502	C	A	910	Q	H	0.984	Likely Pathoenic
SCN1A	2	166894502	C	G	910	Q	H	0.985	Likely Pathoenic
SCN1A	2	166894501	G	A	911	L	F	0.985	Likely Pathoenic
SCN1A	2	166894501	G	C	911	L	V	0.981	Likely Pathoenic
SCN1A	2	166894501	G	T	911	L	I	0.986	Likely Pathoenic
SCN1A	2	166894500	A	C	911	L	R	0.995	Likely Pathoenic
SCN1A	2	166894500	A	G	911	L	P	0.996	Likely Pathoenic
SCN1A	2	166894500	A	T	911	L	H	0.996	Likely Pathoenic
SCN1A	2	166894498	A	C	912	F	V	0.996	Likely Pathoenic
SCN1A	2	166894498	A	G	912	F	L	0.981	Likely Pathoenic
SCN1A	2	166894498	A	T	912	F	I	0.994	Likely Pathoenic
SCN1A	2	166894497	A	C	912	F	C	0.996	Likely Pathoenic
SCN1A	2	166894497	A	G	912	F	S	0.996	Likely Pathoenic
SCN1A	2	166894497	A	T	912	F	Y	0.983	Likely Pathoenic
SCN1A	2	166894496	A	C	912	F	L	0.982	Likely Pathoenic
SCN1A	2	166894496	A	T	912	F	L	0.982	Likely Pathoenic
SCN1A	2	166894495	C	A	913	G	C	0.987	Likely Pathoenic
SCN1A	2	166894495	C	G	913	G	R	0.894	Likely Pathoenic
SCN1A	2	166894495	C	T	913	G	S	0.883	Likely Pathoenic
SCN1A	2	166894494	C	A	913	G	V	0.993	Likely Pathoenic
SCN1A	2	166894494	C	G	913	G	A	0.912	Likely Pathoenic
SCN1A	2	166894494	C	T	913	G	D	0.989	Likely Pathoenic
SCN1A	2	166894492	C	T	914	K	E	0.572	Likely Benign
SCN1A	2	166894492	T	G	914	K	Q	0.912	Likely Pathoenic
SCN1A	2	166894491	T	A	914	K	I	0.972	Likely Pathoenic
SCN1A	2	166894491	T	C	914	K	R	0.761	Likely Benign
SCN1A	2	166894491	T	G	914	K	T	0.944	Likely Pathoenic
SCN1A	2	166894490	T	A	914	K	N	0.729	Likely Benign
SCN1A	2	166894490	T	G	914	K	S	0.730	Likely Benign
SCN1A	2	166894489	T	A	915	S	C	0.963	Likely Pathoenic
SCN1A	2	166894489	T	C	915	S	G	0.777	Likely Benign
SCN1A	2	166894489	T	G	915	S	R	0.629	Likely Benign
SCN1A	2	166894488	C	A	915	S	I	0.846	Likely Pathoenic
SCN1A	2	166894488	C	G	915	S	T	0.779	Likely Benign
SCN1A	2	166894488	C	T	915	S	N	0.268	Likely Benign
SCN1A	2	166894487	G	C	915	S	R	0.453	Likely Benign
SCN1A	2	166894487	G	T	915	S	R	0.451	Likely Benign
SCN1A	2	166894486	A	C	916	Y	D	0.977	Likely Pathoenic
SCN1A	2	166894486	A	G	916	Y	H	0.974	Likely Pathoenic
SCN1A	2	166894486	A	T	916	Y	N	0.980	Likely Pathoenic
SCN1A	2	166894485	T	A	916	Y	F	0.877	Likely Pathoenic
SCN1A	2	166894485	T	C	916	Y	C	0.986	Likely Pathoenic
SCN1A	2	166894485	T	G	916	Y	S	0.981	Likely Pathoenic
SCN1A	2	166894483	T	C	917	K	E	0.518	Likely Benign
SCN1A	2	166894483	T	G	917	K	Q	0.671	Likely Benign
SCN1A	2	166894482	T	A	917	K	I	0.905	Likely Pathoenic
SCN1A	2	166894482	T	C	917	K	R	0.576	Likely Benign
SCN1A	2	166894482	T	G	917	K	T	0.817	Likely Pathoenic
SCN1A	2	166894481	T	A	917	K	N	0.404	Likely Benign
SCN1A	2	166894481	T	G	917	K	N	0.404	Likely Benign
SCN1A	2	166894480	C	A	918	D	Y	0.909	Likely Pathoenic
SCN1A	2	166894480	C	G	918	D	H	0.931	Likely Pathoenic
SCN1A	2	166894480	C	T	918	D	N	0.620	Likely Benign
SCN1A	2	166894479	T	A	918	D	V	0.815	Likely Pathoenic
SCN1A	2	166894479	T	C	918	D	G	0.754	Likely Benign
SCN1A	2	166894479	T	G	918	D	A	0.616	Likely Benign
SCN1A	2	166894478	A	C	918	D	E	0.214	Likely Benign
SCN1A	2	166894478	A	T	918	D	E	0.214	Likely Benign
SCN1A	2	166894477	A	C	919	C	G	0.772	Likely Benign
SCN1A	2	166894477	A	G	919	C	R	0.880	Likely Pathoenic
SCN1A	2	166894477	A	T	919	C	S	0.694	Likely Benign
SCN1A	2	166894476	C	A	919	C	F	0.922	Likely Pathoenic
SCN1A	2	166894476	C	G	919	C	S	0.753	Likely Benign
SCN1A	2	166894476	C	T	919	C	Y	0.798	Likely Pathoenic
SCN1A	2	166894475	A	C	919	C	W	0.922	Likely Pathoenic
SCN1A	2	166894474	C	A	920	V	F	0.954	Likely Pathoenic
SCN1A	2	166894474	C	G	920	V	L	0.956	Likely Pathoenic
SCN1A	2	166894474	C	T	920	V	I	0.951	Likely Pathoenic
SCN1A	2	166894473	A	C	920	V	G	0.916	Likely Pathoenic
SCN1A	2	166894473	A	G	920	V	A	0.935	Likely Pathoenic
SCN1A	2	166894473	A	T	920	V	D	0.956	Likely Pathoenic
SCN1A	2	166894471	A	C	921	C	G	0.748	Likely Benign
SCN1A	2	166894471	A	G	921	C	R	0.841	Likely Pathoenic
SCN1A	2	166894471	A	T	921	C	S	0.788	Likely Pathoenic
SCN1A	2	166894470	C	A	921	C	F	0.927	Likely Pathoenic
SCN1A	2	166894470	C	G	921	C	S	0.861	Likely Pathoenic
SCN1A	2	166894470	C	T	921	C	Y	0.885	Likely Pathoenic
SCN1A	2	166894469	G	C	921	C	W	0.965	Likely Pathoenic
SCN1A	2	166894468	T	C	922	K	E	0.936	Likely Pathoenic
SCN1A	2	166894468	T	G	922	K	Q	0.960	Likely Pathoenic
SCN1A	2	166894467	T	A	922	K	M	0.973	Likely Pathoenic
SCN1A	2	166894467	T	C	922	K	R	0.765	Likely Benign
SCN1A	2	166894467	T	G	922	K	T	0.902	Likely Pathoenic
SCN1A	2	166894466	C	A	922	K	N	0.839	Likely Pathoenic
SCN1A	2	166894466	C	G	922	K	N	0.823	Likely Pathoenic
SCN1A	2	166894465	T	A	923	I	F	0.859	Likely Pathoenic
SCN1A	2	166894465	T	C	923	I	V	0.779	Likely Benign
SCN1A	2	166894465	T	G	923	I	L	0.773	Likely Benign
SCN1A	2	166894464	A	C	923	I	S	0.969	Likely Pathoenic
SCN1A	2	166894464	A	G	923	I	T	0.958	Likely Pathoenic
SCN1A	2	166894464	A	T	923	I	N	0.928	Likely Pathoenic
SCN1A	2	166894463	G	C	923	I	M	0.981	Likely Pathoenic
SCN1A	2	166894462	C	A	924	A	S	0.205	Likely Benign
SCN1A	2	166894462	C	G	924	A	P	0.438	Likely Benign
SCN1A	2	166894462	C	T	924	A	T	0.236	Likely Benign
SCN1A	2	166894461	G	A	924	A	V	0.476	Likely Benign
SCN1A	2	166894461	G	C	924	A	G	0.214	Likely Benign
SCN1A	2	166894461	G	T	924	A	D	0.252	Likely Benign
SCN1A	2	166894459	T	A	925	S	C	0.841	Likely Pathoenic
SCN1A	2	166894459	T	C	925	S	G	0.366	Likely Benign
SCN1A	2	166894459	T	G	925	S	R	0.388	Likely Benign
SCN1A	2	166894458	C	A	925	S	I	0.507	Likely Benign
SCN1A	2	166894458	C	G	925	S	T	0.295	Likely Benign
SCN1A	2	166894458	C	T	925	S	N	0.277	Likely Benign
SCN1A	2	166894457	A	C	925	S	R	0.425	Likely Benign
SCN1A	2	166894457	A	T	925	S	R	0.425	Likely Benign
SCN1A	2	166894456	C	A	926	D	Y	0.957	Likely Pathoenic
SCN1A	2	166894456	C	G	926	D	H	0.894	Likely Pathoenic
SCN1A	2	166894456	C	T	926	D	N	0.373	Likely Benign
SCN1A	2	166894455	T	A	926	D	V	0.924	Likely Pathoenic
SCN1A	2	166894455	T	C	926	D	G	0.801	Likely Pathoenic
SCN1A	2	166894455	T	G	926	D	A	0.870	Likely Pathoenic
SCN1A	2	166894454	A	C	926	D	E	0.294	Likely Benign
SCN1A	2	166894454	A	T	926	D	E	0.302	Likely Benign
SCN1A	2	166894453	A	C	927	C	G	0.567	Likely Benign
SCN1A	2	166894453	A	G	927	C	R	0.919	Likely Pathoenic
SCN1A	2	166894453	A	T	927	C	S	0.787	Likely Pathoenic
SCN1A	2	166894452	C	A	927	C	F	0.936	Likely Pathoenic
SCN1A	2	166894452	C	G	927	C	S	0.755	Likely Benign
SCN1A	2	166894452	C	T	927	C	Y	0.933	Likely Pathoenic
SCN1A	2	166894451	A	C	927	W	W	0.976	Likely Pathoenic
SCN1A	2	166894450	G	C	928	Q	E	0.143	Likely Benign
SCN1A	2	166894450	G	T	928	Q	K	0.221	Likely Benign
SCN1A	2	166894449	T	A	928	Q	L	0.240	Likely Benign
SCN1A	2	166894449	T	C	928	Q	R	0.345	Likely Benign
SCN1A	2	166894449	T	G	928	Q	P	0.502	Likely Benign
SCN1A	2	166894448	T	A	928	Q	H	0.373	Likely Benign
SCN1A	2	166894448	T	G	928	Q	H	0.379	Likely Benign
SCN1A	2	166894447	G	A	929	L	F	0.965	Likely Pathoenic
SCN1A	2	166894447	G	C	929	L	V	0.883	Likely Pathoenic
SCN1A	2	166894447	G	T	929	L	I	0.829	Likely Pathoenic
SCN1A	2	166894446	A	C	929	L	R	0.934	Likely Pathoenic
SCN1A	2	166894446	A	G	929	L	P	0.969	Likely Pathoenic
SCN1A	2	166894446	A	T	929	L	H	0.964	Likely Pathoenic
SCN1A	2	166894444	G	A	930	P	S	0.970	Likely Pathoenic
SCN1A	2	166894444	G	C	930	P	A	0.968	Likely Pathoenic
SCN1A	2	166894444	G	T	930	P	T	0.975	Likely Pathoenic
SCN1A	2	166894443	G	A	930	P	L	0.965	Likely Pathoenic
SCN1A	2	166894443	G	C	930	P	R	0.953	Likely Pathoenic
SCN1A	2	166894443	G	T	930	P	Q	0.972	Likely Pathoenic
SCN1A	2	166894441	G	A	931	R	C	0.993	Likely Pathoenic
SCN1A	2	166894441	G	C	931	R	G	0.983	Likely Pathoenic
SCN1A	2	166894441	G	T	931	R	S	0.981	Likely Pathoenic
SCN1A	2	166894440	C	A	931	R	L	0.982	Likely Pathoenic
SCN1A	2	166894440	C	G	931	R	P	0.980	Likely Pathoenic
SCN1A	2	166894440	C	T	931	R	H	0.976	Likely Pathoenic
SCN1A	2	166894438	A	C	932	W	G	0.988	Likely Pathoenic
SCN1A	2	166894438	A	G	932	W	R	0.986	Likely Pathoenic
SCN1A	2	166894438	A	T	932	W	R	0.986	Likely Pathoenic
SCN1A	2	166894437	C	A	932	W	L	0.983	Likely Pathoenic
SCN1A	2	166894437	C	G	932	W	S	0.968	Likely Pathoenic
SCN1A	2	166894436	C	A	932	W	C	0.990	Likely Pathoenic
SCN1A	2	166894436	C	G	932	W	C	0.990	Likely Pathoenic
SCN1A	2	166894435	G	A	933	H	Y	0.982	Likely Pathoenic
SCN1A	2	166894435	G	C	933	H	D	0.977	Likely Pathoenic
SCN1A	2	166894435	G	T	933	H	N	0.718	Likely Benign
SCN1A	2	166894434	T	A	933	H	L	0.978	Likely Pathoenic
SCN1A	2	166894434	T	C	933	H	R	0.974	Likely Pathoenic
SCN1A	2	166894434	T	G	933	H	P	0.984	Likely Pathoenic
SCN1A	2	166894433	G	C	933	H	Q	0.974	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166201212	G	T	904	G	C	0.953	Likely Pathogenic
SCN2A	2	166201213	A	A	904	G	D	0.983	Likely Pathogenic
SCN2A	2	166201213	G	C	904	G	A	0.893	Likely Pathogenic
SCN2A	2	166201213	G	T	904	G	V	0.986	Likely Pathogenic
SCN2A	2	166201215	A	C	905	K	Q	0.944	Likely Pathogenic
SCN2A	2	166201215	A	G	905	K	E	0.805	Likely Pathogenic
SCN2A	2	166201216	A	C	905	K	T	0.951	Likely Pathogenic
SCN2A	2	166201216	A	G	905	K	R	0.903	Likely Pathogenic
SCN2A	2	166201216	A	T	905	K	M	0.973	Likely Pathogenic
SCN2A	2	166201217	G	C	905	K	N	0.93	Likely Pathogenic
SCN2A	2	166201217	G	T	905	K	N	0.93	Likely Pathogenic
SCN2A	2	166201218	A	C	906	S	R	0.753	Likely Benign
SCN2A	2	166201218	A	G	906	S	G	0.803	Likely Pathogenic
SCN2A	2	166201218	A	T	906	S	C	0.93	Likely Pathogenic
SCN2A	2	166201219	G	A	906	S	N	0.255	Likely Benign
SCN2A	2	166201219	G	C	906	S	T	0.664	Likely Benign
SCN2A	2	166201219	G	T	906	S	I	0.61	Likely Benign
SCN2A	2	166201220	C	A	906	S	R	0.541	Likely Benign
SCN2A	2	166201220	C	G	906	S	R	0.546	Likely Benign
SCN2A	2	166201221	T	A	907	Y	N	0.977	Likely Pathogenic
SCN2A	2	166201221	T	C	907	Y	H	0.968	Likely Pathogenic
SCN2A	2	166201221	T	G	907	Y	D	0.974	Likely Pathogenic
SCN2A	2	166201222	A	C	907	Y	S	0.978	Likely Pathogenic
SCN2A	2	166201222	A	G	907	Y	C	0.982	Likely Pathogenic
SCN2A	2	166201222	A	T	907	Y	F	0.875	Likely Pathogenic
SCN2A	2	166201224	A	C	908	K	Q	0.677	Likely Benign
SCN2A	2	166201224	A	G	908	K	E	0.639	Likely Benign
SCN2A	2	166201224	A	T	908	K	I	0.791	Likely Pathogenic
SCN2A	2	166201225	A	G	908	K	R	0.412	Likely Benign
SCN2A	2	166201225	A	T	908	K	I	0.87	Likely Pathogenic
SCN2A	2	166201226	A	C	908	K	N	0.491	Likely Benign
SCN2A	2	166201226	A	T	908	K	N	0.495	Likely Benign
SCN2A	2	166201227	G	A	909	E	K	0.45	Likely Benign
SCN2A	2	166201227	G	C	909	E	Q	0.45	Likely Benign
SCN2A	2	166201228	A	C	909	E	A	0.664	Likely Benign
SCN2A	2	166201228	A	G	909	E	G	0.702	Likely Benign
SCN2A	2	166201228	A	T	909	E	V	0.886	Likely Pathogenic
SCN2A	2	166201229	A	C	909	E	D	0.213	Likely Benign
SCN2A	2	166201229	A	T	909	E	D	0.213	Likely Benign
SCN2A	2	166201230	A	C	910	C	S	0.856	Likely Pathogenic
SCN2A	2	166201230	T	C	910	C	R	0.874	Likely Pathogenic
SCN2A	2	166201230	T	G	910	C	G	0.883	Likely Pathogenic
SCN2A	2	166201231	G	A	910	C	Y	0.534	Likely Benign
SCN2A	2	166201231	G	C	910	C	S	0.612	Likely Benign
SCN2A	2	166201231	G	T	910	C	F	0.749	Likely Benign
SCN2A	2	166201232	T	G	910	C	W	0.944	Likely Pathogenic
SCN2A	2	166201233	G	A	911	V	I	0.635	Likely Benign
SCN2A	2	166201233	G	C	911	V	L	0.737	Likely Benign
SCN2A	2	166201233	G	T	911	V	F	0.933	Likely Pathogenic
SCN2A	2	166201234	T	A	911	V	D	0.964	Likely Pathogenic
SCN2A	2	166201234	T	C	911	V	A	0.909	Likely Pathogenic
SCN2A	2	166201234	T	G	911	V	G	0.932	Likely Pathogenic
SCN2A	2	166201236	T	A	912	C	S	0.847	Likely Pathogenic
SCN2A	2	166201236	T	C	912	C	R	0.942	Likely Pathogenic
SCN2A	2	166201236	T	G	912	C	G	0.906	Likely Pathogenic
SCN2A	2	166201237	G	A	912	C	Y	0.839	Likely Pathogenic
SCN2A	2	166201237	G	C	912	C	S	0.844	Likely Pathogenic
SCN2A	2	166201237	G	T	912	C	F	0.92	Likely Pathogenic
SCN2A	2	166201238	C	G	912	C	W	0.959	Likely Pathogenic
SCN2A	2	166201239	A	C	913	K	Q	0.957	Likely Pathogenic
SCN2A	2	166201239	A	G	913	K	E	0.949	Likely Pathogenic
SCN2A	2	166201240	A	C	913	K	T	0.919	Likely Pathogenic
SCN2A	2	166201240	A	G	913	K	R	0.639	Likely Benign
SCN2A	2	166201240	A	T	913	K	M	0.973	Likely Pathogenic
SCN2A	2	166201241	G	C	913	K	N	0.81	Likely Pathogenic
SCN2A	2	166201241	G	T	913	K	N	0.812	Likely Pathogenic
SCN2A	2	166201242	A	C	914	I	L	0.505	Likely Benign
SCN2A	2	166201242	A	G	914	I	V	0.586	Likely Benign
SCN2A	2	166201242	A	T	914	I	F	0.512	Likely Benign
SCN2A	2	166201243	T	A	914	I	N	0.858	Likely Pathogenic
SCN2A	2	166201243	T	C	914	I	T	0.862	Likely Pathogenic
SCN2A	2	166201243	T	G	914	I	S	0.956	Likely Pathogenic
SCN2A	2	166201244	T	G	914	I	M	0.933	Likely Pathogenic
SCN2A	2	166201245	T	A	915	S	T	0.389	Likely Benign
SCN2A	2	166201245	T	C	915	S	P	0.677	Likely Benign
SCN2A	2	166201245	T	G	915	S	A	0.332	Likely Benign
SCN2A	2	166201246	C	A	915	S	Y	0.8	Likely Pathogenic
SCN2A	2	166201246	C	G	915	S	C	0.854	Likely Pathogenic
SCN2A	2	166201246	C	T	915	S	F	0.713	Likely Benign
SCN2A	2	166201248	A	C	916	N	H	0.473	Likely Benign
SCN2A	2	166201248	A	G	916	N	D	0.207	Likely Benign
SCN2A	2	166201248	A	T	916	N	Y	0.489	Likely Benign
SCN2A	2	166201249	A	C	916	N	Y	0.295	Likely Benign
SCN2A	2	166201249	A	G	916	N	S	0.191	Likely Benign
SCN2A	2	166201249	A	T	916	N	I	0.619	Likely Benign
SCN2A	2	166201250	T	A	916	N	K	0.261	Likely Benign
SCN2A	2	166201250	T	G	916	N	K	0.258	Likely Benign
SCN2A	2	166201251	G	A	917	D	N	0.216	Likely Benign
SCN2A	2	166201251	G	C	917	D	H	0.641	Likely Benign
SCN2A	2	166201251	G	T	917	D	Y	0.668	Likely Benign
SCN2A	2	166201252	A	C	917	D	A	0.755	Likely Benign
SCN2A	2	166201252	A	G	917	D	G	0.771	Likely Benign
SCN2A	2	166201252	A	T	917	D	V	0.903	Likely Pathogenic
SCN2A	2	166201253	T	A	917	D	E	0.316	Likely Benign
SCN2A	2	166201253	T	G	917	D	E	0.318	Likely Benign
SCN2A	2	166201254	T	A	918	C	S	0.77	Likely Benign
SCN2A	2	166201254	T	C	918	C	R	0.941	Likely Pathogenic
SCN2A	2	166201254	T	G	918	C	G	0.784	Likely Pathogenic
SCN2A	2	166201255	G	A	918	C	Y	0.942	Likely Pathogenic
SCN2A	2	166201255	G	C	918	C	S	0.828	Likely Pathogenic
SCN2A	2	166201255	G	T	918	C	F	0.953	Likely Pathogenic
SCN2A	2	166201256	T	G	918	C	W	0.98	Likely Pathogenic
SCN2A	2	166201257	G	A	919	E	K	0.374	Likely Benign
SCN2A	2	166201257	G	C	919	E	Q	0.297	Likely Benign
SCN2A	2	166201258	A	C	919	E	A	0.51	Likely Benign
SCN2A	2	166201258	A	G	919	E	G	0.683	Likely Benign
SCN2A	2	166201258	A	T	919	E	V	0.502	Likely Benign
SCN2A	2	166201259	A	C	919	E	D	0.452	Likely Benign
SCN2A	2	166201259	A	T	919	E	D	0.453	Likely Benign
SCN2A	2	166201260	C	A	920	L	I	0.865	Likely Pathogenic
SCN2A	2	166201260	C	G	920	L	V	0.936	Likely Pathogenic
SCN2A	2	166201260	C	T	920	L	F	0.963	Likely Pathogenic
SCN2A	2	166201261	T	A	920	L	H	0.975	Likely Pathogenic
SCN2A	2	166201261	T	C	920	L	P	0.972	Likely Pathogenic
SCN2A	2	166201261	T	G	920	L	R	0.956	Likely Pathogenic
SCN2A	2	166201263	C	A	921	P	T	0.974	Likely Pathogenic
SCN2A	2	166201263	C	G	921	P	A	0.974	Likely Pathogenic
SCN2A	2	166201263	C	T	921	P	S	0.967	Likely Pathogenic
SCN2A	2	166201264	C	A	921	P	Q	0.971	Likely Pathogenic
SCN2A	2	166201264	C	G	921	P	R	0.927	Likely Pathogenic
SCN2A	2	166201264	C	T	921	P	L	0.939	Likely Pathogenic
SCN2A	2	166201266	C	A	922	R	S	0.943	Likely Pathogenic
SCN2A	2	166201266	C	G	922	R	G	0.948	Likely Pathogenic
SCN2A	2	166201266	C	T	922	R	C	0.983	Likely Pathogenic
SCN2A	2	166201267	G	A	922	R	H	0.959	Likely Pathogenic
SCN2A	2	166201267	G	C	922	R	P	0.974	Likely Pathogenic
SCN2A	2	166201267	G	T	922	R	L	0.985	Likely Pathogenic
SCN2A	2	166201269	T	A	923	W	R	0.983	Likely Pathogenic
SCN2A	2	166201269	T	C	923	W	R	0.983	Likely Pathogenic
SCN2A	2	166201269	T	G	923	W	G	0.986	Likely Pathogenic
SCN2A	2	166201270	G	C	923	W	S	0.959	Likely Pathogenic
SCN2A	2	166201270	G	T	923	W	L	0.976	Likely Pathogenic
SCN2A	2	166201271	C	A	923	W	C	0.986	Likely Pathogenic
SCN2A	2	166201271	C	T	923	W	C	0.986	Likely Pathogenic
SCN2A	2	166201272	C	A	924	H	N	0.621	Likely Benign
SCN2A	2	166201272	C	G	924	H	D	0.973	Likely Pathogenic
SCN2A	2	166201272	C	T	924	H	Y	0.977	Likely Pathogenic
SCN2A	2	166201273	A	C	924	H	P	0.985	Likely Pathogenic
SCN2A	2	166201273	A	G	924	H	R	0.964	Likely Pathogenic
SCN2A	2	166201273	A	T	924	H	L	0.982	Likely Pathogenic
SCN2A	2	166201274	C	A	924	H	Q	0.959	Likely Pathogenic
SCN2A	2	166201274	C	G	924	H	D	0.959	Likely Pathogenic
SCN2A	2	166201275	A	C	925	M	L	0.939	Likely Pathogenic
SCN2A	2	166201275	A	G	925	M	V	0.969	Likely Pathogenic
SCN2A	2	166201275	A	T	925	M	L	0.939	Likely Pathogenic
SCN2A	2	166201276	T	A	925	M	K	0.981	Likely Pathogenic
SCN2A	2	166201276	T	C	925	M	T	0.974	Likely Pathogenic
SCN2A	2	166201276	T	G	925	M	R	0.975	Likely Pathogenic
SCN2A	2	166201277	G	A	925	M	I	0.972	Likely Pathogenic
SCN2A	2	166201277	G	C	925	M	I	0.972	Likely Pathogenic
SCN2A	2	166201277	G	T	925	M	I	0.972	Likely Pathogenic
SCN2A	2	166201278	A	C	926	H	N	0.162	Likely Benign
SCN2A	2	166201278	C	G	926	H	D	0.136	Likely Benign
SCN2A	2	166201278	C	T	926	H	Y	0.375	Likely Benign
SCN2A	2	166201279	A	C	926	H	P	0.617	Likely Benign
SCN2A	2	166201279	A	G	926	H	R	0.26	Likely Benign
SCN2A	2	166201279	A	T	926	H	L	0.46	Likely Benign
SCN2A	2	166201280	T	A	926	H	Q	0.261	Likely Benign
SCN2A	2	166201280	T	G	926	H	Q	0.259	Likely Benign
SCN2A	2	166201281	G	A	927	D	N	0.929	Likely Pathogenic
SCN2A	2	166201281	G	C	927	D	H	0.984	Likely Pathogenic
SCN2A	2	166201281	G	T	927	D	Y	0.981	Likely Pathogenic
SCN2A	2	166201282	A	C	927	D	A	0.99	Likely

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166894433	G	T	933	H	Q	0.973	Likely Pathoenic
SCN1A	2	166894432	T	A	934	M	L	0.949	Likely Pathoenic
SCN1A	2	166894432	T	C	934	M	V	0.972	Likely Pathoenic
SCN1A	2	166894432	T	G	934	M	L	0.948	Likely Pathoenic
SCN1A	2	166894431	A	C	934	M	R	0.976	Likely Pathoenic
SCN1A	2	166894431	A	G	934	M	T	0.973	Likely Pathoenic
SCN1A	2	166894431	A	T	934	M	K	0.979	Likely Pathoenic
SCN1A	2	166894430	C	A	934	M	I	0.973	Likely Pathoenic
SCN1A	2	166894430	C	G	934	M	I	0.974	Likely Pathoenic
SCN1A	2	166894430	C	T	934	M	I	0.973	Likely Pathoenic
SCN1A	2	166894429	T	A	935	N	Y	0.628	Likely Benign
SCN1A	2	166894429	T	C	935	N	D	0.223	Likely Benign
SCN1A	2	166894429	T	G	935	N	H	0.301	Likely Benign
SCN1A	2	166894428	T	A	935	N	I	0.543	Likely Benign
SCN1A	2	166894428	T	C	935	N	S	0.380	Likely Benign
SCN1A	2	166894428	T	G	935	N	T	0.395	Likely Benign
SCN1A	2	166894427	A	C	935	N	K	0.302	Likely Benign
SCN1A	2	166894427	A	T	935	N	K	0.302	Likely Benign
SCN1A	2	166894426	C	A	936	D	Y	0.989	Likely Pathoenic
SCN1A	2	166894426	C	G	936	D	H	0.989	Likely Pathoenic
SCN1A	2	166894426	C	T	936	D	N	0.953	Likely Pathoenic
SCN1A	2	166894425	T	A	936	D	V	0.989	Likely Pathoenic
SCN1A	2	166894425	T	C	936	D	G	0.986	Likely Pathoenic
SCN1A	2	166894425	T	G	936	D	A	0.991	Likely Pathoenic
SCN1A	2	166894424	G	C	936	D	E	0.970	Likely Pathoenic
SCN1A	2	166894424	G	T	936	D	E	0.969	Likely Pathoenic
SCN1A	2	166894423	A	C	937	F	V	0.989	Likely Pathoenic
SCN1A	2	166894423	A	G	937	F	L	0.975	Likely Pathoenic
SCN1A	2	166894423	A	T	937	F	I	0.981	Likely Pathoenic
SCN1A	2	166894422	A	C	937	F	C	0.996	Likely Pathoenic
SCN1A	2	166894422	A	G	937	F	S	0.995	Likely Pathoenic
SCN1A	2	166894422	A	T	937	F	Y	0.990	Likely Pathoenic
SCN1A	2	166894421	G	C	937	F	L	0.978	Likely Pathoenic
SCN1A	2	166894421	G	T	937	F	L	0.978	Likely Pathoenic
SCN1A	2	166894420	A	C	938	F	V	0.968	Likely Pathoenic
SCN1A	2	166894420	A	G	938	F	L	0.873	Likely Pathoenic
SCN1A	2	166894420	A	T	938	F	I	0.960	Likely Pathoenic
SCN1A	2	166894419	A	C	938	F	C	0.988	Likely Pathoenic
SCN1A	2	166894419	A	G	938	F	S	0.973	Likely Pathoenic
SCN1A	2	166894419	A	T	938	F	Y	0.749	Likely Benign
SCN1A	2	166894418	G	C	938	F	L	0.803	Likely Pathoenic
SCN1A	2	166894418	G	T	938	F	L	0.806	Likely Pathoenic
SCN1A	2	166894417	G	A	939	H	Y	0.977	Likely Pathoenic
SCN1A	2	166894417	G	C	939	H	D	0.978	Likely Pathoenic
SCN1A	2	166894417	G	T	939	H	N	0.964	Likely Pathoenic
SCN1A	2	166894416	T	A	939	H	L	0.976	Likely Pathoenic
SCN1A	2	166894416	T	C	939	H	R	0.967	Likely Pathoenic
SCN1A	2	166894416	T	G	939	H	P	0.985	Likely Pathoenic
SCN1A	2	166894415	G	C	939	H	Q	0.941	Likely Pathoenic
SCN1A	2	166894415	G	T	939	H	Q	0.942	Likely Pathoenic
SCN1A	2	166894414	A	C	940	S	A	0.780	Likely Benign
SCN1A	2	166894414	A	G	940	S	P	0.992	Likely Pathoenic
SCN1A	2	166894414	A	T	940	S	T	0.988	Likely Pathoenic
SCN1A	2	166894413	G	A	940	S	F	0.991	Likely Pathoenic
SCN1A	2	166894413	G	C	940	S	C	0.992	Likely Pathoenic
SCN1A	2	166894413	G	T	940	S	Y	0.993	Likely Pathoenic
SCN1A	2	166894411	A	C	941	F	V	0.975	Likely Pathoenic
SCN1A	2	166894411	A	G	941	F	L	0.963	Likely Pathoenic
SCN1A	2	166894411	A	T	941	F	I	0.976	Likely Pathoenic
SCN1A	2	166894410	A	C	941	F	C	0.990	Likely Pathoenic
SCN1A	2	166894410	A	G	941	F	S	0.988	Likely Pathoenic
SCN1A	2	166894410	A	T	941	F	Y	0.975	Likely Pathoenic
SCN1A	2	166894409	G	C	941	F	L	0.958	Likely Pathoenic
SCN1A	2	166894409	G	T	941	F	L	0.958	Likely Pathoenic
SCN1A	2	166894408	G	C	942	L	V	0.955	Likely Pathoenic
SCN1A	2	166894408	G	T	942	L	M	0.870	Likely Pathoenic
SCN1A	2	166894407	A	C	942	L	R	0.994	Likely Pathoenic
SCN1A	2	166894407	A	G	942	L	P	0.991	Likely Pathoenic
SCN1A	2	166894407	A	T	942	L	Q	0.992	Likely Pathoenic
SCN1A	2	166894405	T	A	943	I	F	0.984	Likely Pathoenic
SCN1A	2	166894405	T	C	943	I	V	0.607	Likely Benign
SCN1A	2	166894405	T	G	943	I	L	0.919	Likely Pathoenic
SCN1A	2	166894404	A	C	943	I	S	0.961	Likely Pathoenic
SCN1A	2	166894404	A	G	943	I	T	0.940	Likely Pathoenic
SCN1A	2	166894404	A	T	943	I	N	0.975	Likely Pathoenic
SCN1A	2	166894403	A	C	943	I	M	0.965	Likely Pathoenic
SCN1A	2	166894402	C	A	944	V	L	0.936	Likely Pathoenic
SCN1A	2	166894402	C	G	944	V	L	0.936	Likely Pathoenic
SCN1A	2	166894402	C	T	944	V	M	0.988	Likely Pathoenic
SCN1A	2	166894401	A	C	944	V	G	0.987	Likely Pathoenic
SCN1A	2	166894401	A	G	944	V	A	0.984	Likely Pathoenic
SCN1A	2	166894401	A	T	944	V	E	0.993	Likely Pathoenic
SCN1A	2	166894399	A	C	945	F	V	0.992	Likely Pathoenic
SCN1A	2	166894399	A	G	945	F	L	0.983	Likely Pathoenic
SCN1A	2	166894399	A	T	945	F	I	0.995	Likely Pathoenic
SCN1A	2	166894398	A	C	945	F	C	0.997	Likely Pathoenic
SCN1A	2	166894398	A	G	945	F	S	0.995	Likely Pathoenic
SCN1A	2	166894398	A	T	945	F	Y	0.994	Likely Pathoenic
SCN1A	2	166894397	G	C	945	F	L	0.986	Likely Pathoenic
SCN1A	2	166894397	G	T	945	F	L	0.986	Likely Pathoenic
SCN1A	2	166894396	G	A	946	R	C	0.994	Likely Pathoenic
SCN1A	2	166894396	G	C	946	R	G	0.994	Likely Pathoenic
SCN1A	2	166894396	G	T	946	R	S	0.990	Likely Pathoenic
SCN1A	2	166894395	C	A	946	R	L	0.988	Likely Pathoenic
SCN1A	2	166894395	C	G	946	R	P	0.994	Likely Pathoenic
SCN1A	2	166894395	C	T	946	R	H	0.992	Likely Pathoenic
SCN1A	2	166894393	C	A	947	V	L	0.924	Likely Pathoenic
SCN1A	2	166894393	C	G	947	V	L	0.921	Likely Pathoenic
SCN1A	2	166894393	C	T	947	V	M	0.968	Likely Pathoenic
SCN1A	2	166894392	A	C	947	V	G	0.991	Likely Pathoenic
SCN1A	2	166894392	A	G	947	V	A	0.961	Likely Pathoenic
SCN1A	2	166894392	A	T	947	V	E	0.990	Likely Pathoenic
SCN1A	2	166894390	G	C	948	L	V	0.980	Likely Pathoenic
SCN1A	2	166894390	G	T	948	L	M	0.965	Likely Pathoenic
SCN1A	2	166894389	A	C	948	L	R	0.994	Likely Pathoenic
SCN1A	2	166894389	A	G	948	L	P	0.994	Likely Pathoenic
SCN1A	2	166894389	A	T	948	L	Q	0.981	Likely Pathoenic
SCN1A	2	166894387	A	C	949	C	G	0.986	Likely Pathoenic
SCN1A	2	166894387	A	G	949	C	R	0.983	Likely Pathoenic
SCN1A	2	166894387	A	T	949	C	S	0.973	Likely Pathoenic
SCN1A	2	166894386	C	A	949	C	F	0.982	Likely Pathoenic
SCN1A	2	166894386	C	G	949	C	S	0.975	Likely Pathoenic
SCN1A	2	166894386	C	T	949	C	Y	0.990	Likely Pathoenic
SCN1A	2	166894385	A	C	949	C	W	0.984	Likely Pathoenic
SCN1A	2	166894384	C	A	950	G	W	0.995	Likely Pathoenic
SCN1A	2	166894384	C	G	950	G	R	0.993	Likely Pathoenic
SCN1A	2	166894384	C	T	950	G	R	0.993	Likely Pathoenic
SCN1A	2	166894383	C	A	950	G	V	0.994	Likely Pathoenic
SCN1A	2	166894383	C	G	950	G	A	0.987	Likely Pathoenic
SCN1A	2	166894383	C	T	950	G	E	0.989	Likely Pathoenic
SCN1A	2	166894381	C	G	951	E	Q	0.993	Likely Pathoenic
SCN1A	2	166894381	C	T	951	E	K	0.993	Likely Pathoenic
SCN1A	2	166894380	T	A	951	E	V	0.995	Likely Pathoenic
SCN1A	2	166894380	T	C	951	E	G	0.980	Likely Pathoenic
SCN1A	2	166894380	T	G	951	E	A	0.984	Likely Pathoenic
SCN1A	2	166894379	C	A	951	E	D	0.955	Likely Pathoenic
SCN1A	2	166894379	C	G	951	E	D	0.956	Likely Pathoenic
SCN1A	2	166894378	A	C	952	W	G	0.995	Likely Pathoenic
SCN1A	2	166894378	A	G	952	W	R	0.995	Likely Pathoenic
SCN1A	2	166894378	A	T	952	W	R	0.995	Likely Pathoenic
SCN1A	2	166894377	C	A	952	W	L	0.995	Likely Pathoenic
SCN1A	2	166894377	C	G	952	W	S	0.995	Likely Pathoenic
SCN1A	2	166894376	C	A	952	W	C	0.996	Likely Pathoenic
SCN1A	2	166894376	C	G	952	W	C	0.996	Likely Pathoenic
SCN1A	2	166894375	T	A	953	I	L	0.848	Likely Pathoenic
SCN1A	2	166894375	T	C	953	I	V	0.767	Likely Benign
SCN1A	2	166894375	T	G	953	I	L	0.845	Likely Pathoenic
SCN1A	2	166894374	A	C	953	I	R	0.980	Likely Pathoenic
SCN1A	2	166894374	A	G	953	I	T	0.915	Likely Pathoenic
SCN1A	2	166894374	A	T	953	I	K	0.977	Likely Pathoenic
SCN1A	2	166894373	T	C	953	I	M	0.920	Likely Pathoenic
SCN1A	2	166894372	C	G	954	E	Q	0.955	Likely Pathoenic
SCN1A	2	166894372	C	T	954	E	K	0.962	Likely Pathoenic
SCN1A	2	166894371	T	A	954	E	V	0.962	Likely Pathoenic
SCN1A	2	166894371	T	C	954	E	G	0.933	Likely Pathoenic
SCN1A	2	166894371	T	G	954	E	A	0.947	Likely Pathoenic
SCN1A	2	166894370	C	A	954	E	D	0.879	Likely Pathoenic
SCN1A	2	166894370	C	G	954	E	D	0.876	Likely Pathoenic
SCN1A	2	166894369	T	A	955	T	S	0.400	Likely Benign
SCN1A	2	166894369	T	C	955	T	A	0.849	Likely Pathoenic
SCN1A	2	166894369	T	G	955	T	P	0.902	Likely Pathoenic
SCN1A	2	166894368	G	A	955	T	I	0.895	Likely Pathoenic
SCN1A	2	166894368	G	C	955	T	S	0.528	Likely Benign
SCN1A	2	166894368	G	T	955	T	N	0.595	Likely Benign
SCN1A	2	166894366	T	A	956	M	L	0.780	Likely Benign
SCN1A	2	166894366	T	C	956	M	V	0.946	Likely Pathoenic
SCN1A	2	166894366	T	G	956	M	L	0.772	Likely Benign
SCN1A	2	166894365	A	C	956	M	R	0.984	Likely Pathoenic
SCN1A	2	166894365	A	G	956	M	T	0.977	Likely Pathoenic
SCN1A	2	166894365	A	T	956	M	K	0.984	Likely Pathoenic
SCN1A	2	166894364	C	A	956	M	I	0.978	Likely Pathoenic
SCN1A	2	166894364	C	G	956	M	I	0.977	Likely Pathoenic
SCN1A	2	166894364	C	T	956	M	I	0.978	Likely Pathoenic
SCN1A	2	166894363	A	C	957	W	G	0.981	Likely Pathoenic
SCN1A	2	166894363	A	G	957	W	R	0.923	Likely Pathoenic
SCN1A	2	166894363	A	T	957	W	R	0.923	Likely Pathoenic
SCN1A	2	166894362	C	A	957	W	L	0.927	Likely Pathoenic
SCN1A	2	166894362	C	G	957	W	S	0.974	Likely Pathoenic
SCN1A	2	166894361	C	A	957	W	C	0.987	Likely Pathoenic
SCN1A	2	166894361	C	G	957	W	C	0.987	Likely Pathoenic
SCN1A	2	166894360	C	A	958	D	Y	0.964	Likely Pathoenic
SCN1A	2	166894360	C	G	958	D	H	0.975	Likely Pathoenic
SCN1A	2	166894360	C	T	958	D	N	0.958	Likely Pathoenic
SCN1A	2	166894359	T	A	958	D	V	0.961	Likely Pathoenic
SCN1A	2	166894359	T	C	958	D	G	0.887	Likely Pathoenic
SCN1A	2	166894359	T	G	958	D	A	0.877	Likely Pathoenic
SCN1A	2	166894358	G	C	958	D	E	0.912	Likely Pathoenic
SCN1A	2	166894358	G	T	958	D	E	0.912	Likely Pathoenic
SCN1A	2	166894357	A	C	959	C	G	0.923	Likely Pathoenic
SCN1A	2	166894357	A	G	959	C	R	0.987	Likely Pathoenic
SCN1A	2	166894357	A	T	959	C	S	0.929	Likely Pathoenic
SCN1A	2	166894356	C	A	959	C	F	0.977	Likely Pathoenic
SCN1A	2	166894356	C	G	959	C	S	0.938	Likely Pathoenic
SCN1A	2	166894356	C	T	959	C	Y	0.987	Likely Pathoenic
SCN1A	2	166894355	A	C	959	C	W	0.992	Likely Pathoenic
SCN1A	2	166894354	T	A	960	M	L	0.730	Likely Benign
SCN1A	2	166894354	T	C	960	M	V	0.874	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166201291	A	G	930	H	R	0.961	Likely Pathogenic
SCN2A	2	166201291	A	T	930	H	L	0.970	Likely Pathogenic
SCN2A	2	166201292	C	A	930	H	Q	0.869	Likely Pathogenic
SCN2A	2	166201292	C	G	930	H	Q	0.871	Likely Pathogenic
SCN2A	2	166201293	T	A	931	S	T	0.984	Likely Pathogenic
SCN2A	2	166201293	T	C	931	S	P	0.991	Likely Pathogenic
SCN2A	2	166201293	T	G	931	S	A	0.714	Likely Benign
SCN2A	2	166201294	C	A	931	S	Y	0.991	Likely Pathogenic
SCN2A	2	166201294	C	G	931	S	C	0.991	Likely Pathogenic
SCN2A	2	166201294	C	T	931	S	F	0.989	Likely Pathogenic
SCN2A	2	166201296	T	A	932	F	I	0.972	Likely Pathogenic
SCN2A	2	166201296	T	G	932	F	L	0.955	Likely Pathogenic
SCN2A	2	166201296	T	G	932	F	V	0.974	Likely Pathogenic
SCN2A	2	166201297	T	A	932	F	Y	0.977	Likely Pathogenic
SCN2A	2	166201297	T	G	932	F	S	0.984	Likely Pathogenic
SCN2A	2	166201297	T	G	932	F	C	0.988	Likely Pathogenic
SCN2A	2	166201298	C	A	932	F	L	0.865	Likely Pathogenic
SCN2A	2	166201298	C	G	932	F	L	0.869	Likely Pathogenic
SCN2A	2	166201299	C	A	933	L	M	0.793	Likely Pathogenic
SCN2A	2	166201299	C	G	933	L	V	0.942	Likely Pathogenic
SCN2A	2	166201300	T	A	933	L	Q	0.991	Likely Pathogenic
SCN2A	2	166201300	T	C	933	L	P	0.991	Likely Pathogenic
SCN2A	2	166201300	T	G	933	L	R	0.994	Likely Pathogenic
SCN2A	2	166201302	A	C	934	I	L	0.897	Likely Pathogenic
SCN2A	2	166201302	A	G	934	I	V	0.415	Likely Benign
SCN2A	2	166201302	A	T	934	I	F	0.982	Likely Pathogenic
SCN2A	2	166201303	T	A	934	I	N	0.973	Likely Pathogenic
SCN2A	2	166201303	T	C	934	I	T	0.922	Likely Pathogenic
SCN2A	2	166201303	T	G	934	I	S	0.959	Likely Pathogenic
SCN2A	2	166201304	C	G	934	I	M	0.959	Likely Pathogenic
SCN2A	2	166201305	A	G	935	V	M	0.980	Likely Pathogenic
SCN2A	2	166201305	G	C	935	V	L	0.94	Likely Pathogenic
SCN2A	2	166201305	G	T	935	V	L	0.94	Likely Pathogenic
SCN2A	2	166201306	A	G	935	V	E	0.992	Likely Pathogenic
SCN2A	2	166201306	T	C	935	V	A	0.982	Likely Pathogenic
SCN2A	2	166201306	T	G	935	V	G	0.986	Likely Pathogenic
SCN2A	2	166201308	A	G	936	F	I	0.994	Likely Pathogenic
SCN2A	2	166201308	T	C	936	F	L	0.978	Likely Pathogenic
SCN2A	2	166201308	T	G	936	F	V	0.99	Likely Pathogenic
SCN2A	2	166201309	A	G	936	F	Y	0.992	Likely Pathogenic
SCN2A	2	166201309	T	C	936	F	S	0.994	Likely Pathogenic
SCN2A	2	166201309	T	G	936	F	C	0.996	Likely Pathogenic
SCN2A	2	166201310	C	A	936	F	L	0.969	Likely Pathogenic
SCN2A	2	166201310	C	G	936	F	L	0.971	Likely Pathogenic
SCN2A	2	166201311	C	A	937	R	S	0.984	Likely Pathogenic
SCN2A	2	166201311	C	G	937	R	G	0.988	Likely Pathogenic
SCN2A	2	166201311	C	T	937	R	C	0.991	Likely Pathogenic
SCN2A	2	166201312	G	A	937	R	H	0.985	Likely Pathogenic
SCN2A	2	166201312	G	C	937	R	P	0.991	Likely Pathogenic
SCN2A	2	166201312	G	T	937	R	L	0.975	Likely Pathogenic
SCN2A	2	166201314	G	A	938	V	M	0.951	Likely Pathogenic
SCN2A	2	166201314	G	C	938	V	L	0.939	Likely Pathogenic
SCN2A	2	166201314	G	T	938	V	L	0.939	Likely Pathogenic
SCN2A	2	166201315	T	A	938	V	E	0.987	Likely Pathogenic
SCN2A	2	166201315	T	C	938	V	A	0.973	Likely Pathogenic
SCN2A	2	166201315	T	G	938	V	G	0.988	Likely Pathogenic
SCN2A	2	166201317	C	A	939	L	M	0.903	Likely Pathogenic
SCN2A	2	166201317	C	G	939	L	V	0.939	Likely Pathogenic
SCN2A	2	166201317	C	T	939	L	L	0.983	Likely Pathogenic
SCN2A	2	166201318	T	C	939	L	P	0.993	Likely Pathogenic
SCN2A	2	166201318	T	G	939	L	R	0.992	Likely Pathogenic
SCN2A	2	166201320	T	A	940	C	S	0.973	Likely Pathogenic
SCN2A	2	166201320	T	C	940	C	R	0.983	Likely Pathogenic
SCN2A	2	166201320	T	G	940	C	G	0.985	Likely Pathogenic
SCN2A	2	166201321	G	A	940	C	Y	0.989	Likely Pathogenic
SCN2A	2	166201321	G	C	940	C	S	0.97	Likely Pathogenic
SCN2A	2	166201321	G	T	940	C	F	0.983	Likely Pathogenic
SCN2A	2	166201322	T	G	940	C	W	0.979	Likely Pathogenic
SCN2A	2	166201323	G	A	941	G	R	0.992	Likely Pathogenic
SCN2A	2	166201323	G	C	941	G	R	0.992	Likely Pathogenic
SCN2A	2	166201324	G	A	941	G	E	0.985	Likely Pathogenic
SCN2A	2	166201324	G	C	941	G	A	0.983	Likely Pathogenic
SCN2A	2	166201324	G	T	941	G	V	0.991	Likely Pathogenic
SCN2A	2	166201326	G	A	942	E	K	0.99	Likely Pathogenic
SCN2A	2	166201326	G	C	942	E	Q	0.99	Likely Pathogenic
SCN2A	2	166201327	A	C	942	E	A	0.989	Likely Pathogenic
SCN2A	2	166201327	A	G	942	E	G	0.978	Likely Pathogenic
SCN2A	2	166201327	A	T	942	E	V	0.994	Likely Pathogenic
SCN2A	2	166201328	G	C	942	E	D	0.929	Likely Pathogenic
SCN2A	2	166201328	G	T	942	E	D	0.927	Likely Pathogenic
SCN2A	2	166201329	T	A	943	W	R	0.994	Likely Pathogenic
SCN2A	2	166201329	T	C	943	W	R	0.995	Likely Pathogenic
SCN2A	2	166201329	T	G	943	W	G	0.994	Likely Pathogenic
SCN2A	2	166201330	G	C	943	W	S	0.994	Likely Pathogenic
SCN2A	2	166201330	G	T	943	W	L	0.995	Likely Pathogenic
SCN2A	2	166201331	G	C	943	W	C	0.996	Likely Pathogenic
SCN2A	2	166201331	G	T	943	W	C	0.996	Likely Pathogenic
SCN2A	2	166201332	A	C	944	I	L	0.859	Likely Pathogenic
SCN2A	2	166201332	A	G	944	I	V	0.82	Likely Pathogenic
SCN2A	2	166201332	A	T	944	I	L	0.859	Likely Pathogenic
SCN2A	2	166201333	T	A	944	I	K	0.98	Likely Pathogenic
SCN2A	2	166201333	T	C	944	I	T	0.904	Likely Pathogenic
SCN2A	2	166201333	T	G	944	I	R	0.98	Likely Pathogenic
SCN2A	2	166201334	A	C	944	I	M	0.918	Likely Pathogenic
SCN2A	2	166201335	G	A	945	E	K	0.966	Likely Pathogenic
SCN2A	2	166201335	G	C	945	E	Q	0.926	Likely Pathogenic
SCN2A	2	166201336	A	C	945	E	A	0.943	Likely Pathogenic
SCN2A	2	166201336	A	G	945	E	G	0.936	Likely Pathogenic
SCN2A	2	166201336	A	T	945	E	V	0.963	Likely Pathogenic
SCN2A	2	166201337	G	C	945	E	D	0.855	Likely Pathogenic
SCN2A	2	166201337	G	T	945	E	D	0.857	Likely Pathogenic
SCN2A	2	166201338	A	C	946	T	P	0.926	Likely Pathogenic
SCN2A	2	166201338	A	G	946	T	A	0.893	Likely Pathogenic
SCN2A	2	166201338	A	T	946	T	S	0.646	Likely Benign
SCN2A	2	166201339	C	A	946	T	N	0.55	Likely Benign
SCN2A	2	166201339	C	G	946	T	S	0.506	Likely Benign
SCN2A	2	166201339	C	T	946	T	I	0.873	Likely Pathogenic
SCN2A	2	166201341	A	C	947	M	L	0.775	Likely Benign
SCN2A	2	166201341	A	G	947	M	V	0.95	Likely Pathogenic
SCN2A	2	166201341	A	T	947	M	L	0.775	Likely Benign
SCN2A	2	166201342	T	A	947	M	K	0.983	Likely Pathogenic
SCN2A	2	166201342	T	C	947	M	T	0.978	Likely Pathogenic
SCN2A	2	166201342	T	G	947	M	R	0.982	Likely Pathogenic
SCN2A	2	166201343	G	A	947	M	I	0.974	Likely Pathogenic
SCN2A	2	166201343	G	C	947	M	I	0.975	Likely Pathogenic
SCN2A	2	166201343	G	T	947	M	I	0.974	Likely Pathogenic
SCN2A	2	166201344	A	C	948	W	R	0.932	Likely Pathogenic
SCN2A	2	166201344	T	C	948	W	R	0.934	Likely Pathogenic
SCN2A	2	166201344	T	G	948	W	G	0.98	Likely Pathogenic
SCN2A	2	166201345	G	C	948	W	S	0.966	Likely Pathogenic
SCN2A	2	166201345	G	T	948	W	L	0.897	Likely Pathogenic
SCN2A	2	166201346	G	C	948	W	C	0.981	Likely Pathogenic
SCN2A	2	166201346	G	T	948	W	C	0.981	Likely Pathogenic
SCN2A	2	166201347	G	A	949	D	N	0.951	Likely Pathogenic
SCN2A	2	166201347	G	C	949	D	H	0.972	Likely Pathogenic
SCN2A	2	166201347	G	T	949	D	Y	0.97	Likely Pathogenic
SCN2A	2	166201348	A	C	949	D	A	0.77	Likely Benign
SCN2A	2	166201348	A	G	949	D	G	0.9	Likely Pathogenic
SCN2A	2	166201348	A	T	949	D	V	0.959	Likely Pathogenic
SCN2A	2	166201349	C	A	949	D	E	0.872	Likely Pathogenic
SCN2A	2	166201349	C	G	949	D	E	0.862	Likely Pathogenic
SCN2A	2	166201350	T	A	950	C	S	0.927	Likely Pathogenic
SCN2A	2	166201350	T	C	950	C	R	0.986	Likely Pathogenic
SCN2A	2	166201350	T	G	950	C	G	0.933	Likely Pathogenic
SCN2A	2	166201351	G	A	950	C	Y	0.985	Likely Pathogenic
SCN2A	2	166201351	G	C	950	C	S	0.906	Likely Pathogenic
SCN2A	2	166201351	G	T	950	C	F	0.973	Likely Pathogenic
SCN2A	2	166201352	T	G	950	C	W	0.989	Likely Pathogenic
SCN2A	2	166201353	A	C	951	M	L	0.751	Likely Benign
SCN2A	2	166201353	A	G	951	M	V	0.913	Likely Pathogenic
SCN2A	2	166201353	A	T	951	M	L	0.738	Likely Benign
SCN2A	2	166201354	A	G	951	M	K	0.977	Likely Pathogenic
SCN2A	2	166201354	T	C	951	M	T	0.964	Likely Pathogenic
SCN2A	2	166201354	T	G	951	M	R	0.975	Likely Pathogenic
SCN2A	2	166201355	G	A	951	M	I	0.901	Likely Pathogenic
SCN2A	2	166201355	G	C	951	M	I	0.9	Likely Pathogenic
SCN2A	2	166201355	G	T	951	M	I	0.902	Likely Pathogenic
SCN2A	2	166201356	G	A	952	E	K	0.594	Likely Benign
SCN2A	2	166201356	G	C	952	E	Q	0.598	Likely Benign
SCN2A	2	166201357	A	C	952	E	A	0.851	Likely Pathogenic
SCN2A	2	166201357	A	G	952	E	G	0.873	Likely Pathogenic
SCN2A	2	166201357	A	T	952	E	V	0.809	Likely Pathogenic
SCN2A	2	166201358	G	C	952	E	D	0.597	Likely Benign
SCN2A	2	166201358	G	T	952	E	D	0.612	Likely Benign
SCN2A	2	166201359	A	G	953	V	I	0.875	Likely Pathogenic
SCN2A	2	166201359	G	C	953	V	L	0.904	Likely Pathogenic
SCN2A	2	166201359	G	T	953	V	F	0.936	Likely Pathogenic
SCN2A	2	166201360	T	A	953	V	D	0.946	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166894354	T	G	960	M	L	0.726	Likely Benign
SCN1A	2	166894353	A	C	960	M	R	0.971	Likely Pathogenic
SCN1A	2	166894353	A	G	960	M	T	0.967	Likely Pathogenic
SCN1A	2	166894353	A	T	960	M	K	0.976	Likely Pathogenic
SCN1A	2	166894352	C	A	960	M	I	0.901	Likely Pathogenic
SCN1A	2	166894352	C	G	960	M	I	0.899	Likely Pathogenic
SCN1A	2	166894352	C	T	960	M	I	0.900	Likely Pathogenic
SCN1A	2	166894351	C	G	961	E	Q	0.666	Likely Benign
SCN1A	2	166894351	C	T	961	E	K	0.789	Likely Pathogenic
SCN1A	2	166894350	T	A	961	E	V	0.785	Likely Pathogenic
SCN1A	2	166894350	T	C	961	E	G	0.906	Likely Pathogenic
SCN1A	2	166894350	T	G	961	E	A	0.813	Likely Pathogenic
SCN1A	2	166894349	C	A	961	E	D	0.812	Likely Pathogenic
SCN1A	2	166894349	C	G	961	E	D	0.811	Likely Pathogenic
SCN1A	2	166894348	C	A	962	V	F	0.941	Likely Pathogenic
SCN1A	2	166894348	C	G	962	V	L	0.929	Likely Pathogenic
SCN1A	2	166894348	C	T	962	V	I	0.909	Likely Pathogenic
SCN1A	2	166894347	A	C	962	V	G	0.918	Likely Pathogenic
SCN1A	2	166894347	A	G	962	V	A	0.775	Likely Benign
SCN1A	2	166894347	A	T	962	V	D	0.923	Likely Pathogenic
SCN1A	2	166894345	C	A	963	A	S	0.250	Likely Benign
SCN1A	2	166894345	C	G	963	A	P	0.899	Likely Pathogenic
SCN1A	2	166894345	C	T	963	A	T	0.762	Likely Benign
SCN1A	2	166894344	G	A	963	A	V	0.745	Likely Benign
SCN1A	2	166894344	G	C	963	A	G	0.357	Likely Benign
SCN1A	2	166894344	G	T	963	A	D	0.806	Likely Pathogenic
SCN1A	2	166894342	C	A	964	G	C	0.975	Likely Pathogenic
SCN1A	2	166894342	C	G	964	G	R	0.974	Likely Pathogenic
SCN1A	2	166894342	C	T	964	G	S	0.927	Likely Pathogenic
SCN1A	2	166894341	C	A	964	G	V	0.970	Likely Pathogenic
SCN1A	2	166894341	C	G	964	G	A	0.977	Likely Pathogenic
SCN1A	2	166894341	C	T	964	G	D	0.956	Likely Pathogenic
SCN1A	2	166894339	G	C	965	Q	E	0.636	Likely Benign
SCN1A	2	166894339	G	T	965	Q	K	0.350	Likely Benign
SCN1A	2	166894338	T	A	965	Q	L	0.844	Likely Pathogenic
SCN1A	2	166894338	T	C	965	Q	R	0.644	Likely Benign
SCN1A	2	166894338	T	G	965	Q	P	0.467	Likely Benign
SCN1A	2	166894337	T	A	965	Q	H	0.741	Likely Benign
SCN1A	2	166894337	T	G	965	Q	H	0.740	Likely Benign
SCN1A	2	166894336	C	A	966	A	S	0.206	Likely Benign
SCN1A	2	166894336	C	G	966	A	P	0.131	Likely Benign
SCN1A	2	166894336	C	T	966	A	T	0.167	Likely Benign
SCN1A	2	166894335	G	A	966	A	V	0.322	Likely Benign
SCN1A	2	166894335	G	C	966	A	G	0.301	Likely Benign
SCN1A	2	166894335	G	T	966	A	D	0.554	Likely Benign
SCN1A	2	166894333	T	A	967	M	L	0.088	Likely Benign
SCN1A	2	166894333	T	C	967	M	V	0.232	Likely Benign
SCN1A	2	166894333	T	G	967	M	L	0.091	Likely Benign
SCN1A	2	166894332	A	C	967	M	R	0.689	Likely Benign
SCN1A	2	166894332	A	G	967	M	T	0.455	Likely Benign
SCN1A	2	166894332	A	T	967	M	K	0.621	Likely Benign
SCN1A	2	166894331	C	A	967	M	I	0.252	Likely Benign
SCN1A	2	166894331	C	G	967	M	I	0.246	Likely Benign
SCN1A	2	166894331	C	T	967	M	I	0.251	Likely Benign
SCN1A	2	166894330	A	C	968	C	G	0.939	Likely Pathogenic
SCN1A	2	166894330	A	G	968	C	R	0.977	Likely Pathogenic
SCN1A	2	166894330	A	T	968	C	S	0.911	Likely Pathogenic
SCN1A	2	166894329	C	A	968	C	F	0.966	Likely Pathogenic
SCN1A	2	166894329	C	G	968	C	S	0.921	Likely Pathogenic
SCN1A	2	166894329	C	T	968	C	Y	0.974	Likely Pathogenic
SCN1A	2	166894328	G	C	968	C	W	0.982	Likely Pathogenic
SCN1A	2	166894327	G	A	969	L	F	0.819	Likely Pathogenic
SCN1A	2	166894327	G	C	969	L	V	0.470	Likely Benign
SCN1A	2	166894327	G	T	969	L	I	0.211	Likely Benign
SCN1A	2	166894326	A	C	969	L	R	0.968	Likely Pathogenic
SCN1A	2	166894326	A	G	969	L	P	0.919	Likely Pathogenic
SCN1A	2	166894326	A	T	969	L	H	0.970	Likely Pathogenic
SCN1A	2	166894324	T	A	970	T	S	0.635	Likely Benign
SCN1A	2	166894324	T	C	970	T	A	0.416	Likely Benign
SCN1A	2	166894324	T	G	970	T	P	0.387	Likely Benign
SCN1A	2	166894323	G	A	970	T	I	0.175	Likely Benign
SCN1A	2	166894323	G	C	970	T	S	0.507	Likely Benign
SCN1A	2	166894323	G	T	970	T	N	0.575	Likely Benign
SCN1A	2	166894321	C	A	971	V	F	0.461	Likely Benign
SCN1A	2	166894321	C	G	971	V	L	0.598	Likely Benign
SCN1A	2	166894321	C	T	971	V	I	0.743	Likely Benign
SCN1A	2	166894320	A	C	971	V	G	0.963	Likely Pathogenic
SCN1A	2	166894320	A	G	971	V	A	0.956	Likely Pathogenic
SCN1A	2	166894320	A	T	971	V	D	0.981	Likely Pathogenic
SCN1A	2	166894318	A	C	972	F	V	0.992	Likely Pathogenic
SCN1A	2	166894318	A	G	972	F	L	0.974	Likely Pathogenic
SCN1A	2	166894318	A	T	972	F	I	0.992	Likely Pathogenic
SCN1A	2	166894317	A	C	972	F	C	0.992	Likely Pathogenic
SCN1A	2	166894317	A	G	972	F	S	0.995	Likely Pathogenic
SCN1A	2	166894317	A	T	972	F	Y	0.738	Likely Benign
SCN1A	2	166894316	G	C	972	F	L	0.967	Likely Pathogenic
SCN1A	2	166894316	G	T	972	F	L	0.966	Likely Pathogenic
SCN1A	2	166894315	T	A	973	M	L	0.211	Likely Benign
SCN1A	2	166894315	T	C	973	M	V	0.616	Likely Benign
SCN1A	2	166894315	T	G	973	M	L	0.209	Likely Benign
SCN1A	2	166894314	A	C	973	M	R	0.976	Likely Pathogenic
SCN1A	2	166894314	A	G	973	M	T	0.933	Likely Pathogenic
SCN1A	2	166894314	A	T	973	M	K	0.975	Likely Pathogenic
SCN1A	2	166894313	C	A	973	M	I	0.833	Likely Pathogenic
SCN1A	2	166894313	C	G	973	M	I	0.807	Likely Pathogenic
SCN1A	2	166894313	C	T	973	M	I	0.809	Likely Pathogenic
SCN1A	2	166894312	T	A	974	M	L	0.139	Likely Benign
SCN1A	2	166894312	T	C	974	M	V	0.348	Likely Benign
SCN1A	2	166894312	T	G	974	M	L	0.140	Likely Benign
SCN1A	2	166894311	A	C	974	M	R	0.948	Likely Pathogenic
SCN1A	2	166894311	A	G	974	M	T	0.317	Likely Benign
SCN1A	2	166894311	A	T	974	M	K	0.934	Likely Pathogenic
SCN1A	2	166894310	C	A	974	M	I	0.488	Likely Benign
SCN1A	2	166894310	C	G	974	M	I	0.475	Likely Benign
SCN1A	2	166894310	C	T	974	M	I	0.478	Likely Benign
SCN1A	2	166894309	C	A	975	V	F	0.938	Likely Pathogenic
SCN1A	2	166894309	C	G	975	V	L	0.960	Likely Pathogenic
SCN1A	2	166894309	C	T	975	V	I	0.968	Likely Pathogenic
SCN1A	2	166894308	A	C	975	V	G	0.988	Likely Pathogenic
SCN1A	2	166894308	A	G	975	V	A	0.969	Likely Pathogenic
SCN1A	2	166894308	A	T	975	V	D	0.987	Likely Pathogenic
SCN1A	2	166894306	T	A	976	M	L	0.694	Likely Benign
SCN1A	2	166894306	T	C	976	M	V	0.628	Likely Benign
SCN1A	2	166894306	T	G	976	M	L	0.695	Likely Benign
SCN1A	2	166894305	A	C	976	M	R	0.981	Likely Pathogenic
SCN1A	2	166894305	A	G	976	M	T	0.956	Likely Pathogenic
SCN1A	2	166894305	A	T	976	M	K	0.983	Likely Pathogenic
SCN1A	2	166894304	C	A	976	M	I	0.841	Likely Pathogenic
SCN1A	2	166894304	C	G	976	M	I	0.842	Likely Pathogenic
SCN1A	2	166894304	C	T	976	M	I	0.842	Likely Pathogenic
SCN1A	2	166894303	C	A	977	V	L	0.901	Likely Pathogenic
SCN1A	2	166894303	C	G	977	V	L	0.901	Likely Pathogenic
SCN1A	2	166894303	C	T	977	V	M	0.966	Likely Pathogenic
SCN1A	2	166894302	A	C	977	V	G	0.991	Likely Pathogenic
SCN1A	2	166894302	A	G	977	V	A	0.961	Likely Pathogenic
SCN1A	2	166894302	A	T	977	V	E	0.991	Likely Pathogenic
SCN1A	2	166894300	T	A	978	I	F	0.946	Likely Pathogenic
SCN1A	2	166894300	T	C	978	I	V	0.720	Likely Benign
SCN1A	2	166894300	T	G	978	I	L	0.499	Likely Benign
SCN1A	2	166894299	A	C	978	I	S	0.986	Likely Pathogenic
SCN1A	2	166894299	A	G	978	I	T	0.985	Likely Pathogenic
SCN1A	2	166894299	A	T	978	I	N	0.985	Likely Pathogenic
SCN1A	2	166894298	C	A	978	M	M	0.963	Likely Pathogenic
SCN1A	2	166894297	C	G	979	G	R	0.993	Likely Pathogenic
SCN1A	2	166894297	C	T	979	G	R	0.993	Likely Pathogenic
SCN1A	2	166894296	C	A	979	G	V	0.983	Likely Pathogenic
SCN1A	2	166894296	C	G	979	G	A	0.986	Likely Pathogenic
SCN1A	2	166894296	C	T	979	G	E	0.995	Likely Pathogenic
SCN1A	2	166894294	T	A	980	N	Y	0.980	Likely Pathogenic
SCN1A	2	166894294	T	C	980	N	D	0.975	Likely Pathogenic
SCN1A	2	166894294	T	G	980	N	H	0.976	Likely Pathogenic
SCN1A	2	166894293	T	A	980	N	I	0.985	Likely Pathogenic
SCN1A	2	166894293	T	C	980	N	S	0.841	Likely Pathogenic
SCN1A	2	166894293	T	G	980	N	T	0.899	Likely Pathogenic
SCN1A	2	166894292	C	G	980	N	K	0.953	Likely Pathogenic
SCN1A	2	166894292	G	T	980	N	K	0.953	Likely Pathogenic
SCN1A	2	166894291	G	C	981	L	V	0.976	Likely Pathogenic
SCN1A	2	166894291	G	T	981	L	I	0.977	Likely Pathogenic
SCN1A	2	166894290	A	C	981	L	R	0.988	Likely Pathogenic
SCN1A	2	166894290	A	G	981	L	P	0.993	Likely Pathogenic
SCN1A	2	166894290	A	T	981	L	Q	0.986	Likely Pathogenic
SCN1A	2	166894288	C	A	982	V	L	0.959	Likely Pathogenic
SCN1A	2	166894288	C	G	982	V	L	0.958	Likely Pathogenic
SCN1A	2	166894288	C	T	982	V	M	0.981	Likely Pathogenic
SCN1A	2	166894287	A	C	982	V	G	0.993	Likely Pathogenic
SCN1A	2	166894287	A	G	982	V	A	0.975	Likely Pathogenic
SCN1A	2	166894287	A	T	982	V	E	0.990	Likely Pathogenic
SCN1A	2	166894039	A	C	983	V	G	0.992	Likely Pathogenic
SCN1A	2	166894039	A	G	983	V	A	0.988	Likely Pathogenic
SCN1A	2	166894039	A	T	983	V	D	0.987	Likely Pathogenic
SCN1A	2	166894037	C	G	984	L	V	0.963	Likely Pathogenic
SCN1A	2	166894037	C	T	984	L	M	0.981	Likely Pathogenic
SCN1A	2	166894036	A	C	984	L	R	0.994	Likely Pathogenic
SCN1A	2	166894036	A	G	984	L	P	0.992	Likely Pathogenic
SCN1A	2	166894036	A	T	984	L	Q	0.995	Likely Pathogenic
SCN1A	2	166894034	T	A	985	N	Y	0.993	Likely Pathogenic
SCN1A	2	166894034	T	C	985	N	D	0.993	Likely Pathogenic
SCN1A	2	166894034	T	G	985	N	H	0.993	Likely Pathogenic
SCN1A	2	166894033	T	A	985	N	I	0.997	Likely Pathogenic
SCN1A	2	166894033	T	C	985	N	S	0.992	Likely Pathogenic
SCN1A	2	166894033	T	G	985	N	T	0.992	Likely Pathogenic
SCN1A	2	166894032	A	C	985	N	K	0.994	Likely Pathogenic
SCN1A	2	166894032	A	T	985	N	K	0.994	Likely Pathogenic
SCN1A	2	166894031	G	A	986	L	F	0.996	Likely Pathogenic
SCN1A	2	166894031	G	C	986	L	V	0.976	Likely Pathogenic
SCN1A	2	166894031	G	T	986	L	I	0.987	Likely Pathogenic
SCN1A	2	166894030	A	C	986	L	R	0.996	Likely Pathogenic
SCN1A	2	166894030	A	G	986	L	P	0.996	Likely Pathogenic
SCN1A	2	166894030	A	T	986	L	H	0.996	Likely Pathogenic
SCN1A	2	166894028	A	C	987	F	V	0.980	Likely Pathogenic
SCN1A	2	166894028	A	G	987	F	L	0.974	Likely Pathogenic
SCN1A	2	166894028	A	T	987	F	I	0.981	Likely Pathogenic
SCN1A	2	166894027	A	C	987	F	C	0.995	Likely Pathogenic
SCN1A	2	166894027	A	G	987	F	S	0.992	Likely Pathogenic
SCN1A	2	166894027	A	T	987	F	Y	0.975	Likely Pathogenic
SCN1A	2	166894026	A	C	987	F	L	0.970	Likely Pathogenic
SCN1A	2	166894026	A	T	987	F	L	0.970	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166201374	A	T	958	M	L	0.096	Likely Benign
SCN2A	2	166201375	T	A	958	M	K	0.712	Likely Benign
SCN2A	2	166201375	T	C	958	M	T	0.494	Likely Benign
SCN2A	2	166201375	T	G	958	M	R	0.706	Likely Benign
SCN2A	2	166201376	G	A	958	M	I	0.179	Likely Benign
SCN2A	2	166201376	G	C	958	M	I	0.178	Likely Benign
SCN2A	2	166201376	G	T	958	M	I	0.179	Likely Benign
SCN2A	2	166201377	T	A	959	C	S	0.915	Likely Pathogenic
SCN2A	2	166201377	T	C	959	C	R	0.977	Likely Pathogenic
SCN2A	2	166201377	T	G	959	C	G	0.951	Likely Pathogenic
SCN2A	2	166201378	G	A	959	C	Y	0.971	Likely Pathogenic
SCN2A	2	166201378	G	C	959	C	S	0.853	Likely Pathogenic
SCN2A	2	166201378	G	T	959	C	F	0.962	Likely Pathogenic
SCN2A	2	166201379	C	G	959	C	W	0.968	Likely Pathogenic
SCN2A	2	166201380	C	A	960	L	I	0.225	Likely Benign
SCN2A	2	166201380	C	G	960	L	V	0.685	Likely Benign
SCN2A	2	166201380	C	T	960	L	F	0.857	Likely Pathogenic
SCN2A	2	166201381	A	C	960	L	H	0.979	Likely Pathogenic
SCN2A	2	166201381	T	C	960	L	P	0.948	Likely Pathogenic
SCN2A	2	166201381	T	G	960	L	R	0.978	Likely Pathogenic
SCN2A	2	166201383	A	C	961	T	P	0.096	Likely Benign
SCN2A	2	166201383	A	G	961	T	A	0.361	Likely Benign
SCN2A	2	166201383	A	T	961	T	S	0.491	Likely Benign
SCN2A	2	166201384	C	A	961	T	N	0.427	Likely Benign
SCN2A	2	166201384	C	G	961	T	S	0.447	Likely Benign
SCN2A	2	166201384	C	T	961	T	I	0.119	Likely Benign
SCN2A	2	166201386	G	A	962	V	I	0.656	Likely Benign
SCN2A	2	166201386	G	C	962	V	L	0.403	Likely Benign
SCN2A	2	166201386	G	T	962	V	F	0.509	Likely Benign
SCN2A	2	166201387	T	A	962	V	D	0.983	Likely Pathogenic
SCN2A	2	166201387	T	C	962	V	A	0.954	Likely Pathogenic
SCN2A	2	166201387	T	G	962	V	G	0.969	Likely Pathogenic
SCN2A	2	166201389	T	A	963	F	I	0.991	Likely Pathogenic
SCN2A	2	166201389	T	C	963	F	L	0.975	Likely Pathogenic
SCN2A	2	166201389	T	G	963	F	V	0.99	Likely Pathogenic
SCN2A	2	166201390	T	A	963	F	Y	0.887	Likely Pathogenic
SCN2A	2	166201390	T	C	963	F	S	0.994	Likely Pathogenic
SCN2A	2	166201390	T	G	963	F	C	0.992	Likely Pathogenic
SCN2A	2	166201391	C	A	963	F	L	0.931	Likely Pathogenic
SCN2A	2	166201391	C	G	963	F	L	0.933	Likely Pathogenic
SCN2A	2	166201392	A	C	964	M	L	0.212	Likely Benign
SCN2A	2	166201392	A	G	964	M	V	0.523	Likely Benign
SCN2A	2	166201392	A	T	964	M	L	0.212	Likely Benign
SCN2A	2	166201393	T	A	964	M	K	0.962	Likely Pathogenic
SCN2A	2	166201393	T	C	964	M	T	0.934	Likely Pathogenic
SCN2A	2	166201393	T	G	964	M	R	0.97	Likely Pathogenic
SCN2A	2	166201394	A	C	964	M	I	0.655	Likely Benign
SCN2A	2	166201394	G	C	964	M	I	0.655	Likely Benign
SCN2A	2	166201394	G	T	964	M	I	0.658	Likely Benign
SCN2A	2	166201395	A	C	965	M	L	0.158	Likely Benign
SCN2A	2	166201395	A	G	965	M	V	0.345	Likely Benign
SCN2A	2	166201395	A	T	965	M	L	0.159	Likely Benign
SCN2A	2	166201396	T	A	965	M	K	0.87	Likely Pathogenic
SCN2A	2	166201396	T	C	965	M	T	0.314	Likely Benign
SCN2A	2	166201396	T	G	965	M	R	0.925	Likely Pathogenic
SCN2A	2	166201397	G	A	965	M	I	0.499	Likely Benign
SCN2A	2	166201397	G	C	965	M	I	0.497	Likely Benign
SCN2A	2	166201397	G	T	965	M	I	0.495	Likely Benign
SCN2A	2	166201398	G	A	966	V	I	0.833	Likely Pathogenic
SCN2A	2	166201398	G	C	966	V	L	0.914	Likely Pathogenic
SCN2A	2	166201398	G	T	966	V	F	0.904	Likely Pathogenic
SCN2A	2	166201399	T	A	966	V	D	0.988	Likely Pathogenic
SCN2A	2	166201399	T	C	966	V	A	0.962	Likely Pathogenic
SCN2A	2	166201399	T	G	966	V	G	0.989	Likely Pathogenic
SCN2A	2	166201401	A	C	967	M	L	0.791	Likely Pathogenic
SCN2A	2	166201401	A	G	967	M	V	0.719	Likely Benign
SCN2A	2	166201401	A	T	967	M	L	0.791	Likely Pathogenic
SCN2A	2	166201402	T	A	967	M	K	0.985	Likely Pathogenic
SCN2A	2	166201402	T	C	967	M	T	0.945	Likely Pathogenic
SCN2A	2	166201402	T	G	967	M	R	0.981	Likely Pathogenic
SCN2A	2	166201403	G	A	967	M	I	0.647	Likely Benign
SCN2A	2	166201403	G	C	967	M	I	0.627	Likely Benign
SCN2A	2	166201403	G	T	967	M	I	0.638	Likely Benign
SCN2A	2	166201404	G	A	968	V	M	0.957	Likely Pathogenic
SCN2A	2	166201404	G	C	968	V	L	0.753	Likely Benign
SCN2A	2	166201404	G	T	968	V	F	0.761	Likely Benign
SCN2A	2	166201405	T	A	968	V	E	0.99	Likely Pathogenic
SCN2A	2	166201405	T	C	968	V	A	0.96	Likely Pathogenic
SCN2A	2	166201405	T	G	968	V	G	0.991	Likely Pathogenic
SCN2A	2	166201407	A	C	969	I	L	0.554	Likely Benign
SCN2A	2	166201407	A	G	969	I	V	0.913	Likely Pathogenic
SCN2A	2	166201407	A	T	969	I	F	0.962	Likely Pathogenic
SCN2A	2	166201408	T	A	969	I	N	0.982	Likely Pathogenic
SCN2A	2	166201408	T	C	969	I	T	0.981	Likely Pathogenic
SCN2A	2	166201408	T	G	969	I	S	0.986	Likely Pathogenic
SCN2A	2	166201409	T	G	969	I	M	0.962	Likely Pathogenic
SCN2A	2	166201410	G	A	970	G	R	0.991	Likely Pathogenic
SCN2A	2	166201410	G	T	970	G	R	0.991	Likely Pathogenic
SCN2A	2	166201411	G	A	970	G	E	0.993	Likely Pathogenic
SCN2A	2	166201411	G	C	970	G	A	0.98	Likely Pathogenic
SCN2A	2	166201411	G	T	970	G	V	0.975	Likely Pathogenic
SCN2A	2	166201413	A	C	971	N	H	0.966	Likely Pathogenic
SCN2A	2	166201413	A	G	971	N	D	0.953	Likely Pathogenic
SCN2A	2	166201413	A	T	971	N	Y	0.977	Likely Pathogenic
SCN2A	2	166201414	A	C	971	N	T	0.868	Likely Pathogenic
SCN2A	2	166201414	A	G	971	N	S	0.855	Likely Pathogenic
SCN2A	2	166201414	A	T	971	N	I	0.984	Likely Pathogenic
SCN2A	2	166201415	T	A	971	N	K	0.816	Likely Pathogenic
SCN2A	2	166201415	T	G	971	N	K	0.812	Likely Pathogenic
SCN2A	2	166201416	C	A	972	L	I	0.969	Likely Pathogenic
SCN2A	2	166201416	C	G	972	L	V	0.97	Likely Pathogenic
SCN2A	2	166201417	T	A	972	L	Q	0.981	Likely Pathogenic
SCN2A	2	166201417	T	C	972	L	P	0.991	Likely Pathogenic
SCN2A	2	166201417	T	G	972	L	R	0.982	Likely Pathogenic
SCN2A	2	166201419	G	A	973	V	M	0.976	Likely Pathogenic
SCN2A	2	166201419	G	C	973	V	L	0.918	Likely Pathogenic
SCN2A	2	166201419	G	T	973	V	L	0.921	Likely Pathogenic
SCN2A	2	166201420	T	A	973	V	E	0.991	Likely Pathogenic
SCN2A	2	166201420	T	C	973	V	A	0.967	Likely Pathogenic
SCN2A	2	166201420	T	G	973	V	G	0.991	Likely Pathogenic
SCN2A	2	166210702	G	A	974	V	I	0.559	Likely Benign
SCN2A	2	166210702	G	C	974	V	L	0.691	Likely Benign
SCN2A	2	166210702	G	T	974	V	F	0.92	Likely Pathogenic
SCN2A	2	166210703	T	A	974	V	D	0.979	Likely Pathogenic
SCN2A	2	166210703	T	C	974	V	A	0.973	Likely Pathogenic
SCN2A	2	166210703	T	G	974	V	G	0.986	Likely Pathogenic
SCN2A	2	166210705	A	G	975	L	M	0.807	Likely Pathogenic
SCN2A	2	166210705	C	G	975	L	V	0.698	Likely Benign
SCN2A	2	166210706	T	A	975	L	Q	0.989	Likely Pathogenic
SCN2A	2	166210706	T	C	975	L	P	0.985	Likely Pathogenic
SCN2A	2	166210706	T	G	975	L	R	0.984	Likely Pathogenic
SCN2A	2	166210708	A	C	976	N	H	0.981	Likely Pathogenic
SCN2A	2	166210708	A	G	976	N	D	0.983	Likely Pathogenic
SCN2A	2	166210708	A	T	976	N	Y	0.988	Likely Pathogenic
SCN2A	2	166210709	A	C	976	N	T	0.976	Likely Pathogenic
SCN2A	2	166210709	A	G	976	N	S	0.986	Likely Pathogenic
SCN2A	2	166210709	A	T	976	N	I	0.995	Likely Pathogenic
SCN2A	2	166210710	C	A	976	N	K	0.991	Likely Pathogenic
SCN2A	2	166210710	C	G	976	N	K	0.991	Likely Pathogenic
SCN2A	2	166210711	C	A	977	L	I	0.932	Likely Pathogenic
SCN2A	2	166210711	C	G	977	L	V	0.866	Likely Pathogenic
SCN2A	2	166210711	C	T	977	L	F	0.993	Likely Pathogenic
SCN2A	2	166210712	A	T	977	L	H	0.994	Likely Pathogenic
SCN2A	2	166210712	T	C	977	L	I	0.995	Likely Pathogenic
SCN2A	2	166210712	T	G	977	L	R	0.994	Likely Pathogenic
SCN2A	2	166210714	A	T	978	F	I	0.929	Likely Pathogenic
SCN2A	2	166210714	T	C	978	F	L	0.911	Likely Pathogenic
SCN2A	2	166210714	T	G	978	F	V	0.936	Likely Pathogenic
SCN2A	2	166210715	A	C	978	F	Y	0.87	Likely Pathogenic
SCN2A	2	166210715	T	C	978	F	S	0.982	Likely Pathogenic
SCN2A	2	166210715	T	G	978	F	C	0.99	Likely Pathogenic
SCN2A	2	166210716	C	A	978	F	L	0.932	Likely Pathogenic
SCN2A	2	166210716	C	G	978	F	L	0.932	Likely Pathogenic
SCN2A	2	166210717	A	T	979	L	M	0.949	Likely Pathogenic
SCN2A	2	166210717	G	C	979	L	V	0.806	Likely Benign
SCN2A	2	166210718	T	C	979	L	S	0.982	Likely Pathogenic
SCN2A	2	166210718	T	G	979	L	W	0.983	Likely Pathogenic
SCN2A	2	166210719	G	C	979	L	F	0.972	Likely Pathogenic
SCN2A	2	166210719	G	T	979	L	F	0.972	Likely Pathogenic
SCN2A	2	166210720	G	A	980	A	T	0.994	Likely Pathogenic
SCN2A	2	166210720	G	C	980	A	P	0.996	Likely Pathogenic
SCN2A	2	166210720	G	T	980	A	S	0.992	Likely Pathogenic
SCN2A	2	166210721	C	A	980	A	D	0.995	Likely Pathogenic
SCN2A	2	166210721	C	G	980	A	G	0.925	Likely Pathogenic
SCN2A	2	166210721	C	T	980	A	V	0.989	Likely Pathogenic
SCN2A	2	166210723	T	A	981	L	M	0.876	Likely Pathogenic
SCN2A	2	166210723	T	G	981	L	V	0.539	Likely Benign
SCN2A	2	166210724	T	C	981	L	S	0.958	Likely Pathogenic
SCN2A	2	166210724	T	G	981	L	W	0.975	Likely Pathogenic
SCN2A	2	166210725	G	C	981	L	F	0.933	Likely Pathogenic
SCN2A	2	166210725	G	T	981	L	F	0.935	Likely Pathogenic
SCN2A	2	166210726	C	A	982	L	I	0.849	Likely Pathogenic
SCN2A	2	166210726	C	G	982

GENE	CHR	DNA_LOC	REF_N T	ALT_N NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166893025	G	C	988	L	V	0.938	Likely Pathoenic
SCN1A	2	166893025	G	T	988	L	M	0.988	Likely Pathoenic
SCN1A	2	166893024	A	C	988	L	R	0.993	Likely Pathoenic
SCN1A	2	166893024	A	G	988	L	P	0.992	Likely Pathoenic
SCN1A	2	166893024	A	T	988	L	Q	0.991	Likely Pathoenic
SCN1A	2	166893022	C	A	989	A	S	0.994	Likely Pathoenic
SCN1A	2	166893022	C	G	989	A	P	0.996	Likely Pathoenic
SCN1A	2	166893022	C	T	989	A	T	0.996	Likely Pathoenic
SCN1A	2	166893021	A	G	989	A	V	0.995	Likely Pathoenic
SCN1A	2	166893021	G	C	989	A	G	0.982	Likely Pathoenic
SCN1A	2	166893021	G	T	989	A	D	0.997	Likely Pathoenic
SCN1A	2	166893019	A	C	990	L	V	0.869	Likely Pathoenic
SCN1A	2	166893019	A	T	990	L	M	0.975	Likely Pathoenic
SCN1A	2	166893018	A	C	990	L	W	0.991	Likely Pathoenic
SCN1A	2	166893018	A	G	990	L	S	0.986	Likely Pathoenic
SCN1A	2	166893017	C	A	990	L	F	0.971	Likely Pathoenic
SCN1A	2	166893017	C	G	990	L	F	0.970	Likely Pathoenic
SCN1A	2	166893016	G	A	991	L	F	0.988	Likely Pathoenic
SCN1A	2	166893016	G	C	991	L	V	0.947	Likely Pathoenic
SCN1A	2	166893016	G	T	991	L	I	0.896	Likely Pathoenic
SCN1A	2	166893015	A	C	991	L	R	0.991	Likely Pathoenic
SCN1A	2	166893015	A	G	991	L	P	0.991	Likely Pathoenic
SCN1A	2	166893015	A	T	991	L	H	0.991	Likely Pathoenic
SCN1A	2	166893013	G	C	992	L	V	0.954	Likely Pathoenic
SCN1A	2	166893013	G	T	992	L	M	0.971	Likely Pathoenic
SCN1A	2	166893012	A	C	992	L	R	0.982	Likely Pathoenic
SCN1A	2	166893012	A	G	992	L	P	0.984	Likely Pathoenic
SCN1A	2	166893012	A	T	992	L	Q	0.981	Likely Pathoenic
SCN1A	2	166893010	T	A	993	S	C	0.983	Likely Pathoenic
SCN1A	2	166893010	T	C	993	S	G	0.977	Likely Pathoenic
SCN1A	2	166893010	T	G	993	S	R	0.983	Likely Pathoenic
SCN1A	2	166893009	C	A	993	S	I	0.984	Likely Pathoenic
SCN1A	2	166893009	C	G	993	S	T	0.982	Likely Pathoenic
SCN1A	2	166893009	C	T	993	S	N	0.871	Likely Pathoenic
SCN1A	2	166893008	G	C	993	S	R	0.984	Likely Pathoenic
SCN1A	2	166893008	G	T	993	S	R	0.984	Likely Pathoenic
SCN1A	2	166893007	A	C	994	S	A	0.967	Likely Pathoenic
SCN1A	2	166893007	A	G	994	S	P	0.971	Likely Pathoenic
SCN1A	2	166893007	A	T	994	S	T	0.981	Likely Pathoenic
SCN1A	2	166893006	A	G	994	S	L	0.971	Likely Pathoenic
SCN1A	2	166893004	A	C	995	F	V	0.984	Likely Pathoenic
SCN1A	2	166893004	A	G	995	F	L	0.964	Likely Pathoenic
SCN1A	2	166893004	A	T	995	F	I	0.983	Likely Pathoenic
SCN1A	2	166893003	A	C	995	F	C	0.986	Likely Pathoenic
SCN1A	2	166893003	A	G	995	F	S	0.978	Likely Pathoenic
SCN1A	2	166893003	A	T	995	F	Y	0.961	Likely Pathoenic
SCN1A	2	166893002	A	C	995	F	L	0.956	Likely Pathoenic
SCN1A	2	166893002	A	T	995	F	L	0.957	Likely Pathoenic
SCN1A	2	166893001	T	A	996	S	C	0.982	Likely Pathoenic
SCN1A	2	166893001	T	C	996	S	G	0.808	Likely Pathoenic
SCN1A	2	166893001	T	G	996	S	R	0.981	Likely Pathoenic
SCN1A	2	166893000	C	A	996	S	I	0.981	Likely Pathoenic
SCN1A	2	166893000	C	G	996	S	T	0.970	Likely Pathoenic
SCN1A	2	166893000	C	T	996	S	N	0.961	Likely Pathoenic
SCN1A	2	166892999	A	C	996	S	R	0.984	Likely Pathoenic
SCN1A	2	166892999	A	T	996	S	R	0.984	Likely Pathoenic
SCN1A	2	166892998	C	A	997	A	S	0.119	Likely Benign
SCN1A	2	166892998	C	G	997	A	P	0.718	Likely Benign
SCN1A	2	166892998	C	T	997	A	T	0.343	Likely Benign
SCN1A	2	166892997	G	A	997	A	V	0.637	Likely Benign
SCN1A	2	166892997	G	C	997	A	G	0.345	Likely Benign
SCN1A	2	166892997	G	T	997	A	E	0.825	Likely Pathoenic
SCN1A	2	166892995	A	C	998	D	Y	0.942	Likely Pathoenic
SCN1A	2	166892995	C	G	998	D	H	0.977	Likely Pathoenic
SCN1A	2	166892995	C	T	998	D	N	0.975	Likely Pathoenic
SCN1A	2	166892994	T	A	998	D	V	0.966	Likely Pathoenic
SCN1A	2	166892994	T	C	998	D	G	0.978	Likely Pathoenic
SCN1A	2	166892994	T	G	998	D	A	0.958	Likely Pathoenic
SCN1A	2	166892993	G	C	998	D	E	0.885	Likely Pathoenic
SCN1A	2	166892993	G	T	998	D	E	0.885	Likely Pathoenic
SCN1A	2	166892992	T	A	999	N	Y	0.973	Likely Pathoenic
SCN1A	2	166892992	T	C	999	N	D	0.945	Likely Pathoenic
SCN1A	2	166892992	T	G	999	N	H	0.970	Likely Pathoenic
SCN1A	2	166892991	T	A	999	N	I	0.958	Likely Pathoenic
SCN1A	2	166892991	T	C	999	N	S	0.312	Likely Benign
SCN1A	2	166892991	T	G	999	N	T	0.871	Likely Pathoenic
SCN1A	2	166892990	G	C	999	N	K	0.646	Likely Benign
SCN1A	2	166892990	G	T	999	N	K	0.647	Likely Benign
SCN1A	2	166892989	G	A	1000	L	F	0.936	Likely Pathoenic
SCN1A	2	166892989	G	C	1000	L	V	0.953	Likely Pathoenic
SCN1A	2	166892989	G	T	1000	L	I	0.901	Likely Pathoenic
SCN1A	2	166892988	A	C	1000	L	R	0.944	Likely Pathoenic
SCN1A	2	166892988	A	G	1000	L	P	0.972	Likely Pathoenic
SCN1A	2	166892988	A	T	1000	L	H	0.980	Likely Pathoenic
SCN1A	2	166892986	C	A	1001	A	S	0.139	Likely Benign
SCN1A	2	166892986	C	G	1001	A	P	0.835	Likely Pathoenic
SCN1A	2	166892986	C	T	1001	A	T	0.184	Likely Benign
SCN1A	2	166892985	G	A	1001	A	V	0.514	Likely Benign
SCN1A	2	166892985	G	C	1001	A	G	0.610	Likely Benign
SCN1A	2	166892985	G	T	1001	A	E	0.515	Likely Benign
SCN1A	2	166892983	C	A	1002	A	S	0.364	Likely Benign
SCN1A	2	166892983	C	G	1002	A	P	0.406	Likely Benign
SCN1A	2	166892983	C	T	1002	A	T	0.297	Likely Benign
SCN1A	2	166892982	G	A	1002	A	V	0.253	Likely Benign
SCN1A	2	166892982	G	C	1002	A	G	0.314	Likely Benign
SCN1A	2	166892982	G	T	1002	A	D	0.786	Likely Pathoenic
SCN1A	2	166892980	T	A	1003	T	S	0.136	Likely Benign
SCN1A	2	166892980	T	C	1003	T	A	0.216	Likely Benign
SCN1A	2	166892980	T	G	1003	T	P	0.199	Likely Benign
SCN1A	2	166892979	G	A	1003	T	I	0.385	Likely Benign
SCN1A	2	166892979	G	C	1003	T	S	0.159	Likely Benign
SCN1A	2	166892979	G	T	1003	T	N	0.279	Likely Benign
SCN1A	2	166892977	C	A	1004	D	Y	0.953	Likely Pathoenic
SCN1A	2	166892977	C	G	1004	D	H	0.955	Likely Pathoenic
SCN1A	2	166892977	C	T	1004	D	N	0.650	Likely Benign
SCN1A	2	166892976	T	A	1004	D	V	0.807	Likely Pathoenic
SCN1A	2	166892976	T	C	1004	D	G	0.421	Likely Benign
SCN1A	2	166892976	T	G	1004	D	A	0.862	Likely Pathoenic
SCN1A	2	166892975	A	C	1004	D	E	0.182	Likely Benign
SCN1A	2	166892975	A	T	1004	D	E	0.179	Likely Benign
SCN1A	2	166892974	C	A	1005	D	Y	0.925	Likely Pathoenic
SCN1A	2	166892974	C	G	1005	D	H	0.945	Likely Pathoenic
SCN1A	2	166892974	C	T	1005	D	N	0.849	Likely Pathoenic
SCN1A	2	166892973	T	A	1005	D	V	0.859	Likely Pathoenic
SCN1A	2	166892973	T	C	1005	D	G	0.750	Likely Benign
SCN1A	2	166892973	T	G	1005	D	A	0.526	Likely Benign
SCN1A	2	166892972	A	C	1005	D	E	0.128	Likely Benign
SCN1A	2	166892972	A	T	1005	D	E	0.127	Likely Benign
SCN1A	2	166892971	C	A	1006	D	Y	0.926	Likely Pathoenic
SCN1A	2	166892971	C	G	1006	D	H	0.936	Likely Pathoenic
SCN1A	2	166892971	C	T	1006	D	N	0.583	Likely Benign
SCN1A	2	166892970	T	A	1006	D	V	0.925	Likely Pathoenic
SCN1A	2	166892970	T	C	1006	D	G	0.918	Likely Pathoenic
SCN1A	2	166892970	T	G	1006	D	A	0.928	Likely Pathoenic
SCN1A	2	166892969	A	C	1006	D	E	0.485	Likely Benign
SCN1A	2	166892969	A	T	1006	D	E	0.463	Likely Benign
SCN1A	2	166892968	T	A	1007	N	Y	0.216	Likely Benign
SCN1A	2	166892968	T	C	1007	N	D	0.057	Likely Benign
SCN1A	2	166892968	T	G	1007	N	H	0.161	Likely Benign
SCN1A	2	166892967	T	A	1007	N	I	0.243	Likely Benign
SCN1A	2	166892967	T	C	1007	N	S	0.044	Likely Benign
SCN1A	2	166892967	T	G	1007	N	T	0.054	Likely Benign
SCN1A	2	166892966	A	C	1007	N	K	0.063	Likely Benign
SCN1A	2	166892966	A	T	1007	N	K	0.063	Likely Benign
SCN1A	2	166892965	C	G	1008	E	Q	0.925	Likely Pathoenic
SCN1A	2	166892965	C	T	1008	E	K	0.916	Likely Pathoenic
SCN1A	2	166892964	T	A	1008	E	V	0.914	Likely Pathoenic
SCN1A	2	166892964	T	C	1008	E	G	0.914	Likely Pathoenic
SCN1A	2	166892964	T	G	1008	E	A	0.803	Likely Pathoenic
SCN1A	2	166892963	T	A	1008	E	D	0.082	Likely Benign
SCN1A	2	166892963	T	G	1008	E	D	0.079	Likely Benign
SCN1A	2	166892962	T	A	1009	M	L	0.089	Likely Benign
SCN1A	2	166892962	T	C	1009	M	V	0.060	Likely Benign
SCN1A	2	166892962	T	G	1009	M	L	0.089	Likely Benign
SCN1A	2	166892961	A	C	1009	M	R	0.228	Likely Benign
SCN1A	2	166892961	A	G	1009	M	T	0.122	Likely Benign
SCN1A	2	166892961	A	T	1009	M	K	0.344	Likely Benign
SCN1A	2	166892960	C	A	1009	M	I	0.090	Likely Benign
SCN1A	2	166892960	C	G	1009	M	I	0.090	Likely Benign
SCN1A	2	166892960	C	T	1009	M	I	0.090	Likely Benign
SCN1A	2	166892959	T	A	1010	N	Y	0.944	Likely Pathoenic
SCN1A	2	166892959	T	C	1010	N	D	0.891	Likely Benign
SCN1A	2	166892959	T	G	1010	N	H	0.905	Likely Pathoenic
SCN1A	2	166892958	T	A	1010	N	I	0.943	Likely Pathoenic
SCN1A	2	166892958	T	C	1010	N	S	0.906	Likely Pathoenic
SCN1A	2	166892958	T	G	1010	N	T	0.736	Likely Pathoenic
SCN1A	2	166892957	A	C	1010	N	K	0.374	Likely Benign
SCN1A	2	166892957	A	T	1010	N	K	0.374	Likely Benign
SCN1A	2	166892956	T	A	1011	N	Y	0.932	Likely Pathoenic
SCN1A	2	166892956	T	C	1011	N	D	0.866	Likely Pathoenic
SCN1A	2	166892956	T	G	1011	N	H	0.870	Likely Pathoenic
SCN1A	2	166892955	T	A	1011	N	I	0.935	Likely Pathoenic
SCN1A	2	166892955	T	C	1011	N	S	0.673	Likely Benign
SCN1A	2	166892955	T	G	1011	N	T	0.879	Likely Pathoenic
SCN1A	2	166892954	A	C	1011	N	K	0.172	Likely Benign
SCN1A	2	166892954	A	T	1011	N	K	0.174	Likely Benign
SCN1A	2	166892953	G	A	1012	L	F	0.905	Likely Pathoenic
SCN1A	2	166892953	G	C	1012	L	V	0.901	Likely Pathoenic
SCN1A	2	166892953	G	T	1012	L	I	0.130	Likely Benign
SCN1A	2	166892952	A	C	1012	L	R	0.927	Likely Pathoenic
SCN1A	2	166892952	A	G	1012	L	P	0.946	Likely Pathoenic
SCN1A	2	166892952	A	T	1012	L	H	0.928	Likely Pathoenic
SCN1A	2	166892950	G	C	1013	Q	E	0.931	Likely Pathoenic
SCN1A	2	166892950	G	T	1013	Q	K	0.882	Likely Pathoenic
SCN1A	2	166892949	T	A	1013	Q	L	0.832	Likely Pathoenic
SCN1A	2	166892949	T	C	1013	Q	R	0.423	Likely Benign
SCN1A	2	166892949	T	G	1013	Q	P	0.911	Likely Pathoenic
SCN1A	2	166892948	T	A	1013	Q	H	0.518	Likely Benign
SCN1A	2	166892948	T	G	1013	Q	H	0.518	Likely Benign
SCN1A	2	166892947	T	A	1014	I	F	0.610	Likely Benign
SCN1A	2	166892947	T	C	1014	I	V	0.086	Likely Benign
SCN1A	2	166892947	T	G	1014	I	L	0.060	Likely Benign
SCN1A	2	166892946	A	C	1014	I	S	0.839	Likely Pathoenic
SCN1A	2	166892946	A	G	1014	I	T	0.608	Likely Benign
SCN1A	2	166892946	A	T	1014	I	N	0.852	Likely Pathoenic
SCN1A	2	166892945	A	C	1014	I	M	0.432	Likely Benign
SCN1A	2	166892944	C	A	1015	A	S	0.241	Likely Benign

GENE	CHR	DNA_LOC	REF_N NT	ALT_N NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166210738	T	A	986	F	I	0.968	Likely Pathogenic
SCN2A	2	166210738	T	C	986	F	L	0.859	Likely Pathogenic
SCN2A	2	166210738	T	G	986	F	V	0.984	Likely Pathogenic
SCN2A	2	166210739	T	A	986	F	Y	0.926	Likely Pathogenic
SCN2A	2	166210739	T	C	986	F	S	0.95	Likely Pathogenic
SCN2A	2	166210739	T	G	986	F	C	0.983	Likely Pathogenic
SCN2A	2	166210740	C	A	986	F	L	0.918	Likely Pathogenic
SCN2A	2	166210740	C	G	986	F	L	0.913	Likely Pathogenic
SCN2A	2	166210741	A	C	987	S	R	0.953	Likely Pathogenic
SCN2A	2	166210741	A	G	987	S	G	0.572	Likely Benign
SCN2A	2	166210741	A	T	987	S	C	0.964	Likely Pathogenic
SCN2A	2	166210742	G	A	987	S	N	0.823	Likely Pathogenic
SCN2A	2	166210742	G	C	987	S	T	0.888	Likely Pathogenic
SCN2A	2	166210742	G	T	987	S	I	0.966	Likely Pathogenic
SCN2A	2	166210743	T	A	987	S	R	0.984	Likely Pathogenic
SCN2A	2	166210743	T	G	987	S	R	0.984	Likely Pathogenic
SCN2A	2	166210744	T	A	988	S	T	0.32	Likely Benign
SCN2A	2	166210744	T	C	988	S	P	0.664	Likely Pathogenic
SCN2A	2	166210744	T	G	988	S	A	0.07	Likely Benign
SCN2A	2	166210745	C	A	988	S	Y	0.651	Likely Benign
SCN2A	2	166210745	C	G	988	S	C	0.457	Likely Benign
SCN2A	2	166210745	C	T	988	S	F	0.721	Likely Benign
SCN2A	2	166210747	G	A	989	D	N	0.966	Likely Pathogenic
SCN2A	2	166210747	G	C	989	D	H	0.969	Likely Pathogenic
SCN2A	2	166210747	G	T	989	D	Y	0.851	Likely Pathogenic
SCN2A	2	166210748	A	C	989	D	A	0.93	Likely Pathogenic
SCN2A	2	166210748	A	G	989	D	G	0.973	Likely Pathogenic
SCN2A	2	166210748	A	T	989	D	V	0.955	Likely Pathogenic
SCN2A	2	166210749	C	A	989	D	E	0.586	Likely Benign
SCN2A	2	166210749	C	G	989	D	E	0.58	Likely Benign
SCN2A	2	166210750	T	C	990	N	H	0.964	Likely Pathogenic
SCN2A	2	166210750	A	G	990	N	D	0.94	Likely Pathogenic
SCN2A	2	166210750	A	T	990	N	Y	0.972	Likely Pathogenic
SCN2A	2	166210751	A	C	990	N	T	0.867	Likely Pathogenic
SCN2A	2	166210751	A	G	990	N	S	0.353	Likely Benign
SCN2A	2	166210751	A	T	990	N	I	0.963	Likely Pathogenic
SCN2A	2	166210752	T	A	990	N	K	0.754	Likely Benign
SCN2A	2	166210752	T	G	990	N	K	0.76	Likely Benign
SCN2A	2	166210753	C	A	991	L	I	0.724	Likely Benign
SCN2A	2	166210753	C	G	991	L	V	0.865	Likely Pathogenic
SCN2A	2	166210753	C	T	991	L	F	0.753	Likely Benign
SCN2A	2	166210754	T	A	991	L	H	0.965	Likely Pathogenic
SCN2A	2	166210754	T	C	991	L	P	0.943	Likely Pathogenic
SCN2A	2	166210754	T	G	991	L	R	0.902	Likely Pathogenic
SCN2A	2	166210756	G	A	992	A	T	0.182	Likely Benign
SCN2A	2	166210756	G	C	992	A	P	0.581	Likely Benign
SCN2A	2	166210756	G	T	992	A	S	0.115	Likely Benign
SCN2A	2	166210757	C	A	992	A	D	0.674	Likely Benign
SCN2A	2	166210757	C	G	992	A	G	0.613	Likely Benign
SCN2A	2	166210757	C	T	992	A	V	0.592	Likely Benign
SCN2A	2	166210759	G	A	993	A	T	0.361	Likely Benign
SCN2A	2	166210759	G	C	993	A	P	0.722	Likely Benign
SCN2A	2	166210759	G	T	993	A	S	0.542	Likely Benign
SCN2A	2	166210760	C	A	993	A	D	0.947	Likely Pathogenic
SCN2A	2	166210760	C	G	993	A	G	0.75	Likely Benign
SCN2A	2	166210760	C	T	993	A	V	0.67	Likely Benign
SCN2A	2	166210762	A	C	994	T	P	0.185	Likely Benign
SCN2A	2	166210762	A	G	994	T	A	0.248	Likely Benign
SCN2A	2	166210762	A	T	994	T	S	0.123	Likely Benign
SCN2A	2	166210763	C	A	994	T	N	0.329	Likely Benign
SCN2A	2	166210763	C	G	994	T	S	0.126	Likely Benign
SCN2A	2	166210763	C	T	994	T	I	0.25	Likely Benign
SCN2A	2	166210765	G	A	995	D	N	0.747	Likely Pathogenic
SCN2A	2	166210765	G	C	995	D	H	0.942	Likely Pathogenic
SCN2A	2	166210765	G	T	995	D	Y	0.941	Likely Pathogenic
SCN2A	2	166210766	A	C	995	D	A	0.92	Likely Pathogenic
SCN2A	2	166210766	A	G	995	D	G	0.72	Likely Benign
SCN2A	2	166210766	A	T	995	D	V	0.897	Likely Pathogenic
SCN2A	2	166210767	T	A	995	D	E	0.162	Likely Benign
SCN2A	2	166210767	T	G	995	D	E	0.162	Likely Benign
SCN2A	2	166210768	G	A	996	D	N	0.868	Likely Pathogenic
SCN2A	2	166210768	G	C	996	D	H	0.943	Likely Pathogenic
SCN2A	2	166210768	G	T	996	D	Y	0.934	Likely Pathogenic
SCN2A	2	166210769	A	C	996	D	A	0.464	Likely Benign
SCN2A	2	166210769	A	G	996	D	G	0.771	Likely Benign
SCN2A	2	166210769	A	T	996	D	V	0.786	Likely Pathogenic
SCN2A	2	166210770	T	A	996	D	E	0.109	Likely Benign
SCN2A	2	166210770	T	G	996	D	E	0.106	Likely Benign
SCN2A	2	166210771	A	C	997	D	N	0.484	Likely Benign
SCN2A	2	166210771	A	G	997	D	H	0.878	Likely Pathogenic
SCN2A	2	166210771	A	T	997	D	Y	0.821	Likely Pathogenic
SCN2A	2	166210772	G	C	997	D	A	0.921	Likely Pathogenic
SCN2A	2	166210772	G	A	997	D	G	0.915	Likely Pathogenic
SCN2A	2	166210772	G	T	997	D	V	0.931	Likely Pathogenic
SCN2A	2	166210773	T	A	997	D	E	0.282	Likely Benign
SCN2A	2	166210773	T	G	997	D	E	0.282	Likely Benign
SCN2A	2	166210774	A	C	998	N	H	0.158	Likely Benign
SCN2A	2	166210774	A	G	998	N	D	0.059	Likely Benign
SCN2A	2	166210774	A	T	998	N	Y	0.206	Likely Benign
SCN2A	2	166210775	A	C	998	N	T	0.053	Likely Benign
SCN2A	2	166210775	A	G	998	N	S	0.037	Likely Benign
SCN2A	2	166210775	A	T	998	N	I	0.321	Likely Benign
SCN2A	2	166210776	C	A	998	N	K	0.071	Likely Benign
SCN2A	2	166210776	C	G	998	N	K	0.071	Likely Benign
SCN2A	2	166210777	G	A	999	E	K	0.859	Likely Pathogenic
SCN2A	2	166210777	G	C	999	E	Q	0.88	Likely Pathogenic
SCN2A	2	166210778	A	C	999	E	A	0.822	Likely Pathogenic
SCN2A	2	166210778	A	G	999	E	G	0.912	Likely Pathogenic
SCN2A	2	166210778	A	T	999	E	V	0.916	Likely Pathogenic
SCN2A	2	166210779	A	C	999	E	D	0.084	Likely Benign
SCN2A	2	166210779	A	T	999	E	D	0.08	Likely Benign
SCN2A	2	166210780	A	C	1000	M	L	0.087	Likely Benign
SCN2A	2	166210780	A	G	1000	M	V	0.055	Likely Benign
SCN2A	2	166210780	A	T	1000	M	L	0.087	Likely Benign
SCN2A	2	166210781	T	A	1000	M	K	0.28	Likely Benign
SCN2A	2	166210781	T	C	1000	M	T	0.086	Likely Benign
SCN2A	2	166210781	T	G	1000	M	R	0.325	Likely Benign
SCN2A	2	166210782	G	A	1000	M	I	0.075	Likely Benign
SCN2A	2	166210782	G	C	1000	M	I	0.075	Likely Benign
SCN2A	2	166210782	G	T	1000	M	I	0.075	Likely Benign
SCN2A	2	166210783	A	C	1001	N	H	0.823	Likely Pathogenic
SCN2A	2	166210783	A	G	1001	N	D	0.816	Likely Pathogenic
SCN2A	2	166210783	A	T	1001	N	Y	0.874	Likely Pathogenic
SCN2A	2	166210784	C	A	1001	N	T	0.678	Likely Pathogenic
SCN2A	2	166210784	C	G	1001	N	S	0.827	Likely Pathogenic
SCN2A	2	166210784	A	T	1001	N	I	0.92	Likely Pathogenic
SCN2A	2	166210785	T	A	1001	N	K	0.269	Likely Benign
SCN2A	2	166210785	T	G	1001	N	K	0.272	Likely Benign
SCN2A	2	166210786	A	C	1002	N	H	0.815	Likely Pathogenic
SCN2A	2	166210786	A	G	1002	N	D	0.798	Likely Pathogenic
SCN2A	2	166210786	A	T	1002	N	Y	0.876	Likely Pathogenic
SCN2A	2	166210787	A	C	1002	N	T	0.813	Likely Pathogenic
SCN2A	2	166210787	A	G	1002	N	S	0.616	Likely Benign
SCN2A	2	166210787	A	T	1002	N	I	0.881	Likely Pathogenic
SCN2A	2	166210788	T	A	1002	N	K	0.42	Likely Benign
SCN2A	2	166210788	T	G	1002	N	K	0.42	Likely Benign
SCN2A	2	166210789	C	A	1003	L	I	0.101	Likely Benign
SCN2A	2	166210789	C	G	1003	L	V	0.407	Likely Benign
SCN2A	2	166210789	C	T	1003	L	F	0.57	Likely Benign
SCN2A	2	166210790	T	A	1003	L	H	0.774	Likely Benign
SCN2A	2	166210790	T	C	1003	L	P	0.857	Likely Pathogenic
SCN2A	2	166210790	T	G	1003	L	R	0.769	Likely Benign
SCN2A	2	166210792	A	A	1004	Q	K	0.699	Likely Benign
SCN2A	2	166210792	C	G	1004	Q	E	0.812	Likely Pathogenic
SCN2A	2	166210793	A	C	1004	Q	P	0.868	Likely Pathogenic
SCN2A	2	166210793	A	G	1004	Q	R	0.351	Likely Benign
SCN2A	2	166210793	A	T	1004	Q	L	0.788	Likely Pathogenic
SCN2A	2	166210794	G	C	1004	Q	H	0.471	Likely Benign
SCN2A	2	166210794	G	T	1004	Q	H	0.47	Likely Benign
SCN2A	2	166210795	A	C	1005	I	L	0.056	Likely Benign
SCN2A	2	166210795	A	G	1005	I	V	0.122	Likely Benign
SCN2A	2	166210795	A	T	1005	I	F	0.486	Likely Benign
SCN2A	2	166210796	T	A	1005	I	N	0.75	Likely Benign
SCN2A	2	166210796	T	C	1005	I	T	0.53	Likely Benign
SCN2A	2	166210796	T	G	1005	I	S	0.729	Likely Benign
SCN2A	2	166210797	T	G	1005	I	M	0.32	Likely Benign
SCN2A	2	166210798	G	A	1006	A	T	0.94	Likely Pathogenic
SCN2A	2	166210798	G	C	1006	A	P	0.945	Likely Pathogenic
SCN2A	2	166210798	G	T	1006	A	S	0.279	Likely Benign
SCN2A	2	166210799	C	A	1006	A	D	0.928	Likely Pathogenic
SCN2A	2	166210799	C	G	1006	A	G	0.909	Likely Pathogenic
SCN2A	2	166210799	C	T	1006	A	V	0.863	Likely Pathogenic
SCN2A	2	166210801	G	A	1007	V	M	0.06	Likely Benign
SCN2A	2	166210801	G	C	1007	V	L	0.052	Likely Benign
SCN2A	2	166210801	G	T	1007	V	L	0.052	Likely Benign
SCN2A	2	166210802	T	A	1007	V	E	0.602	Likely Benign
SCN2A	2	166210802	T	C	1007	V	A	0.088	Likely Benign
SCN2A	2	166210802	T	G	1007	V	G	0.654	Likely Benign
SCN2A	2	166210804	G	A	1008	G	R	0.109	Likely Benign
SCN2A	2	166210804	G	C	1008	G	R	0.109	Likely Benign
SCN2A	2	166210804	G	T	1008	G	E	0.068	Likely Benign
SCN2A	2	166210805	G	C	1008	G	A	0.02	Likely Benign
SCN2A	2	166210805	G	T	1008	G

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166892944	C	G	1015	A	P	0.939	Likely Pathoenic
SCN1A	2	166892944	C	T	1015	A	T	0.917	Likely Pathoenic
SCN1A	2	166892943	G	A	1015	A	V	0.937	Likely Pathoenic
SCN1A	2	166892943	G	C	1015	A	G	0.962	Likely Pathoenic
SCN1A	2	166892943	G	T	1015	A	D	0.963	Likely Pathoenic
SCN1A	2	166892941	C	A	1016	V	L	0.051	Likely Benien
SCN1A	2	166892941	C	G	1016	V	L	0.051	Likely Benien
SCN1A	2	166892941	C	T	1016	V	M	0.062	Likely Benien
SCN1A	2	166892940	A	C	1016	V	G	0.465	Likely Benien
SCN1A	2	166892940	A	G	1016	V	A	0.073	Likely Benien
SCN1A	2	166892940	A	T	1016	V	E	0.457	Likely Benien
SCN1A	2	166892938	C	A	1017	D	Y	0.047	Likely Benien
SCN1A	2	166892938	C	G	1017	D	H	0.044	Likely Benien
SCN1A	2	166892938	C	T	1017	D	N	0.016	Likely Benien
SCN1A	2	166892937	T	A	1017	D	V	0.020	Likely Benien
SCN1A	2	166892937	T	C	1017	D	G	0.005	Likely Benien
SCN1A	2	166892937	T	G	1017	D	A	0.005	Likely Benien
SCN1A	2	166892936	A	C	1017	D	E	0.021	Likely Benien
SCN1A	2	166892936	A	T	1017	D	E	0.021	Likely Benien
SCN1A	2	166892935	T	A	1018	R	W	0.976	Likely Pathoenic
SCN1A	2	166892935	T	C	1018	R	G	0.984	Likely Pathoenic
SCN1A	2	166892934	C	A	1018	R	M	0.988	Likely Pathoenic
SCN1A	2	166892934	C	G	1018	R	T	0.988	Likely Pathoenic
SCN1A	2	166892934	C	T	1018	R	K	0.973	Likely Pathoenic
SCN1A	2	166892933	C	A	1018	R	S	0.986	Likely Pathoenic
SCN1A	2	166892933	C	G	1018	R	S	0.986	Likely Pathoenic
SCN1A	2	166892932	T	A	1019	M	L	0.044	Likely Benien
SCN1A	2	166892932	T	C	1019	M	V	0.068	Likely Benien
SCN1A	2	166892932	T	G	1019	M	L	0.044	Likely Benien
SCN1A	2	166892931	A	C	1019	M	R	0.105	Likely Benien
SCN1A	2	166892931	A	G	1019	M	T	0.102	Likely Benien
SCN1A	2	166892931	A	T	1019	M	K	0.101	Likely Benien
SCN1A	2	166892930	C	A	1019	M	I	0.004	Likely Benien
SCN1A	2	166892930	C	G	1019	M	I	0.004	Likely Benien
SCN1A	2	166892930	C	T	1019	M	I	0.004	Likely Benien
SCN1A	2	166892929	G	A	1020	H	Y	0.062	Likely Benien
SCN1A	2	166892929	G	C	1020	H	D	0.056	Likely Benien
SCN1A	2	166892929	G	T	1020	H	N	0.048	Likely Benien
SCN1A	2	166892928	T	A	1020	H	L	0.107	Likely Benien
SCN1A	2	166892928	T	C	1020	H	R	0.037	Likely Benien
SCN1A	2	166892928	T	G	1020	H	P	0.107	Likely Benien
SCN1A	2	166892927	G	C	1020	H	Q	0.015	Likely Benien
SCN1A	2	166892927	G	T	1020	H	Q	0.015	Likely Benien
SCN1A	2	166892926	T	C	1021	K	E	0.107	Likely Benien
SCN1A	2	166892926	T	G	1021	K	Q	0.249	Likely Benien
SCN1A	2	166892925	T	A	1021	K	I	0.069	Likely Benien
SCN1A	2	166892925	T	C	1021	K	R	0.022	Likely Benien
SCN1A	2	166892925	T	G	1021	K	T	0.113	Likely Benien
SCN1A	2	166892924	T	A	1021	K	N	0.172	Likely Benien
SCN1A	2	166892924	T	G	1021	K	N	0.177	Likely Benien
SCN1A	2	166892923	C	G	1022	G	R	0.769	Likely Benien
SCN1A	2	166892923	C	T	1022	G	R	0.774	Likely Benien
SCN1A	2	166892922	A	C	1022	G	V	0.456	Likely Benien
SCN1A	2	166892922	C	G	1022	G	A	0.093	Likely Benien
SCN1A	2	166892922	C	T	1022	G	E	0.630	Likely Benien
SCN1A	2	166892920	A	G	1023	V	L	0.030	Likely Benien
SCN1A	2	166892920	C	G	1023	V	L	0.030	Likely Benien
SCN1A	2	166892920	C	T	1023	V	I	0.005	Likely Benien
SCN1A	2	166892919	A	C	1023	V	G	0.045	Likely Benien
SCN1A	2	166892919	A	G	1023	V	A	0.049	Likely Benien
SCN1A	2	166892919	A	T	1023	V	E	0.083	Likely Benien
SCN1A	2	166892917	C	A	1024	A	S	0.051	Likely Benien
SCN1A	2	166892917	C	G	1024	A	P	0.139	Likely Benien
SCN1A	2	166892917	C	T	1024	A	T	0.055	Likely Benien
SCN1A	2	166892916	G	A	1024	A	V	0.063	Likely Benien
SCN1A	2	166892916	G	C	1024	A	G	0.059	Likely Benien
SCN1A	2	166892916	G	T	1024	A	D	0.023	Likely Benien
SCN1A	2	166892914	A	C	1025	Y	D	0.324	Likely Benien
SCN1A	2	166892914	A	G	1025	Y	H	0.223	Likely Benien
SCN1A	2	166892914	A	T	1025	Y	N	0.270	Likely Benien
SCN1A	2	166892913	T	A	1025	Y	F	0.026	Likely Benien
SCN1A	2	166892913	T	C	1025	Y	C	0.119	Likely Benien
SCN1A	2	166892913	T	G	1025	Y	S	0.079	Likely Benien
SCN1A	2	166892911	C	A	1026	V	L	0.073	Likely Benien
SCN1A	2	166892911	C	G	1026	V	L	0.073	Likely Benien
SCN1A	2	166892911	C	T	1026	V	M	0.220	Likely Benien
SCN1A	2	166892910	A	C	1026	V	G	0.148	Likely Benien
SCN1A	2	166892910	A	G	1026	V	A	0.073	Likely Benien
SCN1A	2	166892910	A	T	1026	V	E	0.638	Likely Benien
SCN1A	2	166892908	T	C	1027	K	E	0.892	Likely Pathoenic
SCN1A	2	166892908	T	G	1027	K	Q	0.878	Likely Pathoenic
SCN1A	2	166892907	A	C	1027	K	I	0.919	Likely Pathoenic
SCN1A	2	166892907	T	C	1027	K	R	0.211	Likely Benien
SCN1A	2	166892907	T	G	1027	K	T	0.908	Likely Pathoenic
SCN1A	2	166892906	A	C	1027	K	N	0.737	Likely Benien
SCN1A	2	166892906	T	G	1027	K	N	0.733	Likely Benien
SCN1A	2	166892905	T	C	1028	R	G	0.065	Likely Benien
SCN1A	2	166892904	C	A	1028	R	I	0.055	Likely Benien
SCN1A	2	166892904	C	G	1028	R	T	0.040	Likely Benien
SCN1A	2	166892904	C	T	1028	R	K	0.022	Likely Benien
SCN1A	2	166892903	A	T	1028	R	S	0.043	Likely Benien
SCN1A	2	166892903	T	G	1028	R	S	0.043	Likely Benien
SCN1A	2	166892902	T	C	1029	K	E	0.042	Likely Benien
SCN1A	2	166892902	T	G	1029	K	Q	0.054	Likely Benien
SCN1A	2	166892901	T	A	1029	K	I	0.051	Likely Benien
SCN1A	2	166892901	T	C	1029	K	R	0.040	Likely Benien
SCN1A	2	166892901	T	G	1029	K	T	0.019	Likely Benien
SCN1A	2	166892900	A	G	1029	N	N	0.053	Likely Benien
SCN1A	2	166892900	T	G	1029	K	N	0.053	Likely Benien
SCN1A	2	166892899	T	A	1030	I	L	0.030	Likely Benien
SCN1A	2	166892899	T	C	1030	I	V	0.040	Likely Benien
SCN1A	2	166892899	T	G	1030	I	L	0.030	Likely Benien
SCN1A	2	166892898	A	C	1030	I	R	0.261	Likely Benien
SCN1A	2	166892898	A	G	1030	I	T	0.071	Likely Benien
SCN1A	2	166892898	A	T	1030	I	K	0.312	Likely Benien
SCN1A	2	166892897	T	C	1030	I	M	0.062	Likely Benien
SCN1A	2	166892896	A	C	1031	Y	D	0.032	Likely Benien
SCN1A	2	166892896	A	G	1031	Y	H	0.010	Likely Benien
SCN1A	2	166892896	A	T	1031	Y	N	0.024	Likely Benien
SCN1A	2	166892895	A	G	1031	Y	F	0.030	Likely Benien
SCN1A	2	166892895	T	C	1031	Y	C	0.014	Likely Benien
SCN1A	2	166892895	T	G	1031	Y	S	0.023	Likely Benien
SCN1A	2	166892893	G	A	1032	E	Q	0.058	Likely Benien
SCN1A	2	166892893	C	T	1032	E	K	0.082	Likely Benien
SCN1A	2	166892892	T	A	1032	E	V	0.263	Likely Benien
SCN1A	2	166892892	T	C	1032	E	G	0.060	Likely Benien
SCN1A	2	166892892	T	G	1032	E	A	0.064	Likely Benien
SCN1A	2	166892891	T	A	1032	E	D	0.046	Likely Benien
SCN1A	2	166892891	T	G	1032	E	D	0.046	Likely Benien
SCN1A	2	166892890	A	C	1033	F	V	0.118	Likely Benien
SCN1A	2	166892890	A	G	1033	F	L	0.050	Likely Benien
SCN1A	2	166892890	A	T	1033	F	I	0.073	Likely Benien
SCN1A	2	166892889	A	C	1033	F	C	0.076	Likely Benien
SCN1A	2	166892889	A	G	1033	F	S	0.316	Likely Benien
SCN1A	2	166892889	A	T	1033	F	Y	0.147	Likely Benien
SCN1A	2	166892888	A	C	1033	F	L	0.046	Likely Benien
SCN1A	2	166892888	A	T	1033	F	L	0.046	Likely Benien
SCN1A	2	166892887	T	A	1034	I	F	0.028	Likely Benien
SCN1A	2	166892887	T	C	1034	I	V	0.039	Likely Benien
SCN1A	2	166892887	T	G	1034	I	L	0.047	Likely Benien
SCN1A	2	166892886	A	C	1034	I	S	0.191	Likely Benien
SCN1A	2	166892886	A	G	1034	I	T	0.102	Likely Benien
SCN1A	2	166892886	A	T	1034	I	N	0.210	Likely Benien
SCN1A	2	166892885	A	C	1034	I	M	0.082	Likely Benien
SCN1A	2	166892884	G	C	1035	Q	E	0.054	Likely Benien
SCN1A	2	166892884	G	T	1035	Q	K	0.078	Likely Benien
SCN1A	2	166892883	T	A	1035	Q	L	0.043	Likely Benien
SCN1A	2	166892883	T	C	1035	Q	R	0.041	Likely Benien
SCN1A	2	166892883	T	G	1035	Q	P	0.124	Likely Benien
SCN1A	2	166892882	T	A	1035	Q	H	0.061	Likely Benien
SCN1A	2	166892882	T	G	1035	Q	H	0.060	Likely Benien
SCN1A	2	166892881	C	G	1036	Q	E	0.044	Likely Benien
SCN1A	2	166892881	G	T	1036	Q	K	0.006	Likely Benien
SCN1A	2	166892880	T	A	1036	Q	L	0.037	Likely Benien
SCN1A	2	166892880	T	C	1036	Q	R	0.021	Likely Benien
SCN1A	2	166892880	T	G	1036	Q	P	0.048	Likely Benien
SCN1A	2	166892879	C	A	1036	Q	H	0.036	Likely Benien
SCN1A	2	166892879	C	G	1036	Q	H	0.036	Likely Benien
SCN1A	2	166892878	A	C	1037	S	A	0.007	Likely Benien
SCN1A	2	166892878	A	G	1037	S	P	0.050	Likely Benien
SCN1A	2	166892878	A	T	1037	S	T	0.025	Likely Benien
SCN1A	2	166892877	G	A	1037	S	F	0.035	Likely Benien
SCN1A	2	166892877	G	C	1037	S	C	0.036	Likely Benien
SCN1A	2	166892877	G	T	1037	S	Y	0.050	Likely Benien
SCN1A	2	166892875	A	C	1038	F	V	0.063	Likely Benien
SCN1A	2	166892875	A	G	1038	F	L	0.043	Likely Benien
SCN1A	2	166892875	A	T	1038	F	I	0.090	Likely Benien
SCN1A	2	166892874	A	C	1038	F	C	0.060	Likely Benien
SCN1A	2	166892874	A	G	1038	F	S	0.172	Likely Benien
SCN1A	2	166892874	A	T	1038	F	Y	0.277	Likely Benien
SCN1A	2	166892873	G	C	1038	F	L	0.041	Likely Benien
SCN1A	2	166892873	G	T	1038	F	L	0.041	Likely Benien
SCN1A	2	166892872	T	A	1039	I	F	0.022	Likely Benien
SCN1A	2	166892872	T	C	1039	I	V	0.009	Likely Benien
SCN1A	2	166892872	T	G	1039	I	L	0.010	Likely Benien
SCN1A	2	166892871	A	C	1039	I	S	0.013	Likely Benien
SCN1A	2	166892871	A	G	1039	I	T	0.025	Likely Benien
SCN1A	2	166892871	A	T	1039	I	N	0.027	Likely Benien
SCN1A	2	166892870	A	C	1039	I	M	0.043	Likely Benien
SCN1A	2	166892869	T	A	1040	R	W	0.145	Likely Benien
SCN1A	2	166892869	T	C	1040	R	G	0.053	Likely Benien
SCN1A	2	166892868	C	A	1040	R	M	0.119	Likely Benien
SCN1A	2	166892868	C	G	1040	R	T	0.063	Likely Benien
SCN1A	2	166892868	C	T	1040	R	K	0.014	Likely Benien
SCN1A	2	166892867	C	A	1040	R	S	0.073	Likely Benien
SCN1A	2	166892867	C	G	1040	R	S	0.071	Likely Benien
SCN1A	2	166892866	T	C	1041	K	E	0.104	Likely Benien
SCN1A	2	166892866	T	G	1041	K	Q	0.162	Likely Benien
SCN1A	2	166892865	T	A	1041	K	I	0.336	Likely Benien
SCN1A	2	166892865	T	C	1041	K	R	0.061	Likely Benien
SCN1A	2	166892865	T	G	1041	K	T	0.119	Likely Benien
SCN1A	2	166892864	T	A	1041	K	N	0.163	Likely Benien
SCN1A	2	166892864	T	G	1041	K	N	0.162	Likely Benien
SCN1A	2	166892863	G	C	1042	Q	E	0.049	Likely Benien
SCN1A	2	166892863	G	T	1042	Q	K	0.029	Likely Benien
SCN1A	2	166892862	T	A	1042	Q	L	0.060	Likely Benien
SCN1A	2	166892862	T	C	1042	Q	R	0.046	Likely Benien

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166210816	A	G	1012	K	E	0.087	Likely Benign
SCN2A	2	166210817	A	C	1012	K	T	0.094	Likely Benign
SCN2A	2	166210817	A	G	1012	K	R	0.022	Likely Benign
SCN2A	2	166210817	A	T	1012	K	I	0.066	Likely Benign
SCN2A	2	166210818	A	C	1012	K	N	0.223	Likely Benign
SCN2A	2	166210818	A	T	1012	K	N	0.224	Likely Benign
SCN2A	2	166210819	G	A	1013	G	R	0.637	Likely Benign
SCN2A	2	166210819	G	C	1013	G	R	0.634	Likely Benign
SCN2A	2	166210820	G	A	1013	G	E	0.576	Likely Benign
SCN2A	2	166210820	G	C	1013	G	A	0.103	Likely Benign
SCN2A	2	166210820	G	T	1013	G	V	0.465	Likely Benign
SCN2A	2	166210822	A	C	1014	I	L	0.090	Likely Benign
SCN2A	2	166210822	A	G	1014	I	V	0.057	Likely Benign
SCN2A	2	166210822	A	T	1014	I	F	0.143	Likely Benign
SCN2A	2	166210823	T	A	1014	I	N	0.344	Likely Benign
SCN2A	2	166210823	T	C	1014	I	T	0.185	Likely Benign
SCN2A	2	166210823	T	G	1014	I	S	0.312	Likely Benign
SCN2A	2	166210824	G	A	1014	I	M	0.17	Likely Benign
SCN2A	2	166210825	G	A	1015	D	N	0.031	Likely Benign
SCN2A	2	166210825	G	C	1015	D	H	0.066	Likely Benign
SCN2A	2	166210825	G	T	1015	D	Y	0.13	Likely Benign
SCN2A	2	166210826	A	C	1015	D	A	0.022	Likely Benign
SCN2A	2	166210826	A	G	1015	D	G	0.057	Likely Benign
SCN2A	2	166210826	A	T	1015	D	V	0.074	Likely Benign
SCN2A	2	166210827	T	A	1015	D	E	0.116	Likely Benign
SCN2A	2	166210827	T	G	1015	D	E	0.12	Likely Benign
SCN2A	2	166210828	T	A	1016	F	I	0.067	Likely Benign
SCN2A	2	166210828	T	C	1016	F	L	0.062	Likely Benign
SCN2A	2	166210828	T	G	1016	F	V	0.088	Likely Benign
SCN2A	2	166210829	T	A	1016	F	Y	0.034	Likely Benign
SCN2A	2	166210829	T	C	1016	F	S	0.068	Likely Benign
SCN2A	2	166210829	T	G	1016	F	C	0.123	Likely Benign
SCN2A	2	166210830	T	A	1016	F	L	0.068	Likely Benign
SCN2A	2	166210830	T	G	1016	F	L	0.069	Likely Benign
SCN2A	2	166210831	G	A	1017	V	I	0.055	Likely Benign
SCN2A	2	166210831	G	C	1017	V	L	0.063	Likely Benign
SCN2A	2	166210831	G	T	1017	V	F	0.18	Likely Benign
SCN2A	2	166210832	T	A	1017	V	D	0.587	Likely Benign
SCN2A	2	166210832	T	C	1017	V	A	0.067	Likely Benign
SCN2A	2	166210832	T	G	1017	V	G	0.143	Likely Benign
SCN2A	2	166210834	A	C	1018	K	Q	0.825	Likely Pathogenic
SCN2A	2	166210834	A	G	1018	K	E	0.835	Likely Pathogenic
SCN2A	2	166210835	A	C	1018	K	T	0.884	Likely Pathogenic
SCN2A	2	166210835	A	G	1018	K	R	0.156	Likely Benign
SCN2A	2	166210835	A	T	1018	K	I	0.811	Likely Pathogenic
SCN2A	2	166210836	A	C	1018	K	N	0.703	Likely Benign
SCN2A	2	166210836	A	T	1018	K	N	0.698	Likely Benign
SCN2A	2	166210837	A	G	1019	R	G	0.063	Likely Benign
SCN2A	2	166210838	G	A	1019	R	K	0.025	Likely Benign
SCN2A	2	166210838	G	C	1019	R	T	0.056	Likely Benign
SCN2A	2	166210838	G	T	1019	R	I	0.057	Likely Benign
SCN2A	2	166210839	A	C	1019	R	S	0.042	Likely Benign
SCN2A	2	166210839	A	T	1019	R	S	0.042	Likely Benign
SCN2A	2	166210840	A	C	1020	K	Q	0.056	Likely Benign
SCN2A	2	166210840	A	G	1020	K	E	0.046	Likely Benign
SCN2A	2	166210841	A	C	1020	K	T	0.023	Likely Benign
SCN2A	2	166210841	A	G	1020	K	R	0.051	Likely Benign
SCN2A	2	166210841	A	T	1020	K	I	0.049	Likely Benign
SCN2A	2	166210842	A	C	1020	K	N	0.048	Likely Benign
SCN2A	2	166210842	A	T	1020	K	N	0.048	Likely Benign
SCN2A	2	166210843	A	C	1021	I	L	0.035	Likely Benign
SCN2A	2	166210843	A	G	1021	I	V	0.042	Likely Benign
SCN2A	2	166210843	A	T	1021	I	L	0.035	Likely Benign
SCN2A	2	166210844	T	A	1021	I	K	0.292	Likely Benign
SCN2A	2	166210844	T	C	1021	I	T	0.073	Likely Benign
SCN2A	2	166210844	T	G	1021	I	R	0.277	Likely Benign
SCN2A	2	166210845	A	G	1021	I	M	0.054	Likely Benign
SCN2A	2	166210846	C	A	1022	R	S	0.133	Likely Benign
SCN2A	2	166210846	C	G	1022	R	G	0.076	Likely Benign
SCN2A	2	166210846	C	T	1022	R	C	0.06	Likely Benign
SCN2A	2	166210847	G	A	1022	R	H	0.054	Likely Benign
SCN2A	2	166210847	G	C	1022	R	P	0.224	Likely Benign
SCN2A	2	166210847	G	T	1022	R	L	0.055	Likely Benign
SCN2A	2	166210849	G	A	1023	E	K	0.075	Likely Benign
SCN2A	2	166210849	G	T	1023	E	Q	0.054	Likely Benign
SCN2A	2	166210850	A	C	1023	E	A	0.052	Likely Benign
SCN2A	2	166210850	A	G	1023	E	G	0.051	Likely Benign
SCN2A	2	166210850	A	T	1023	E	V	0.17	Likely Benign
SCN2A	2	166210851	C	G	1023	E	D	0.045	Likely Benign
SCN2A	2	166210851	A	T	1023	E	D	0.045	Likely Benign
SCN2A	2	166210852	T	A	1024	F	I	0.055	Likely Benign
SCN2A	2	166210852	T	C	1024	F	L	0.038	Likely Benign
SCN2A	2	166210852	T	G	1024	F	V	0.081	Likely Benign
SCN2A	2	166210853	T	A	1024	F	Y	0.204	Likely Benign
SCN2A	2	166210853	T	C	1024	F	S	0.238	Likely Benign
SCN2A	2	166210853	T	G	1024	F	C	0.057	Likely Benign
SCN2A	2	166210854	T	A	1024	F	L	0.038	Likely Benign
SCN2A	2	166210854	T	G	1024	F	L	0.038	Likely Benign
SCN2A	2	166210855	A	C	1025	I	L	0.045	Likely Benign
SCN2A	2	166210855	A	G	1025	I	V	0.039	Likely Benign
SCN2A	2	166210855	A	T	1025	I	F	0.028	Likely Benign
SCN2A	2	166210856	T	A	1025	I	N	0.149	Likely Benign
SCN2A	2	166210856	T	C	1025	I	T	0.09	Likely Benign
SCN2A	2	166210856	T	G	1025	I	S	0.205	Likely Benign
SCN2A	2	166210857	T	G	1025	I	M	0.084	Likely Benign
SCN2A	2	166210858	C	A	1026	Q	K	0.072	Likely Benign
SCN2A	2	166210858	C	G	1026	Q	E	0.048	Likely Benign
SCN2A	2	166210858	C	T	1026	Q	P	0.102	Likely Benign
SCN2A	2	166210859	A	G	1026	Q	R	0.042	Likely Benign
SCN2A	2	166210859	A	T	1026	Q	L	0.046	Likely Benign
SCN2A	2	166210860	G	A	1026	Q	H	0.076	Likely Benign
SCN2A	2	166210860	G	T	1026	Q	H	0.076	Likely Benign
SCN2A	2	166210861	A	C	1027	K	Q	0.044	Likely Benign
SCN2A	2	166210861	A	G	1027	K	E	0.145	Likely Benign
SCN2A	2	166210862	A	C	1027	K	T	0.085	Likely Benign
SCN2A	2	166210862	A	G	1027	K	R	0.05	Likely Benign
SCN2A	2	166210862	A	T	1027	K	I	0.101	Likely Benign
SCN2A	2	166210863	A	C	1027	K	N	0.049	Likely Benign
SCN2A	2	166210863	A	T	1027	K	N	0.049	Likely Benign
SCN2A	2	166210864	G	A	1028	A	T	0.052	Likely Benign
SCN2A	2	166210864	G	C	1028	A	P	0.122	Likely Benign
SCN2A	2	166210864	G	T	1028	A	S	0.048	Likely Benign
SCN2A	2	166210865	C	A	1028	A	D	0.067	Likely Benign
SCN2A	2	166210865	G	T	1028	A	G	0.054	Likely Benign
SCN2A	2	166210865	C	T	1028	A	V	0.05	Likely Benign
SCN2A	2	166210867	T	A	1029	F	I	0.069	Likely Benign
SCN2A	2	166210867	T	C	1029	F	L	0.04	Likely Benign
SCN2A	2	166210867	T	G	1029	F	V	0.048	Likely Benign
SCN2A	2	166210868	T	A	1029	F	Y	0.259	Likely Benign
SCN2A	2	166210868	T	C	1029	F	S	0.118	Likely Benign
SCN2A	2	166210868	T	G	1029	F	C	0.049	Likely Benign
SCN2A	2	166210869	T	A	1029	F	L	0.04	Likely Benign
SCN2A	2	166210869	T	G	1029	F	L	0.04	Likely Benign
SCN2A	2	166210870	G	A	1030	V	I	0.046	Likely Benign
SCN2A	2	166210870	G	C	1030	V	L	0.026	Likely Benign
SCN2A	2	166210870	G	T	1030	V	F	0.039	Likely Benign
SCN2A	2	166210871	T	A	1030	V	D	0.08	Likely Benign
SCN2A	2	166210871	T	C	1030	V	A	0.05	Likely Benign
SCN2A	2	166210871	T	G	1030	V	G	0.033	Likely Benign
SCN2A	2	166210873	A	G	1031	R	G	0.039	Likely Benign
SCN2A	2	166210873	A	T	1031	R	W	0.107	Likely Benign
SCN2A	2	166210874	G	A	1031	R	K	0.013	Likely Benign
SCN2A	2	166210874	G	C	1031	R	T	0.057	Likely Benign
SCN2A	2	166210874	G	T	1031	R	M	0.079	Likely Benign
SCN2A	2	166210875	G	C	1031	R	S	0.059	Likely Benign
SCN2A	2	166210875	G	T	1031	R	S	0.06	Likely Benign
SCN2A	2	166210876	A	C	1032	K	Q	0.139	Likely Benign
SCN2A	2	166210876	A	G	1032	K	E	0.052	Likely Benign
SCN2A	2	166210877	A	C	1032	K	T	0.155	Likely Benign
SCN2A	2	166210877	A	G	1032	K	R	0.071	Likely Benign
SCN2A	2	166210877	A	T	1032	K	M	0.27	Likely Benign
SCN2A	2	166210878	G	C	1032	K	N	0.153	Likely Benign
SCN2A	2	166210878	G	T	1032	K	N	0.155	Likely Benign
SCN2A	2	166210879	C	A	1033	Q	K	0.036	Likely Benign
SCN2A	2	166210879	C	G	1033	Q	E	0.049	Likely Benign
SCN2A	2	166210880	A	C	1033	Q	P	0.016	Likely Benign
SCN2A	2	166210880	A	G	1033	Q	R	0.047	Likely Benign
SCN2A	2	166210880	A	T	1033	Q	L	0.051	Likely Benign
SCN2A	2	166210881	C	G	1033	Q	H	0.098	Likely Benign
SCN2A	2	166210881	G	T	1033	Q	H	0.098	Likely Benign
SCN2A	2	166210882	A	C	1034	K	Q	0.083	Likely Benign
SCN2A	2	166210882	A	G	1034	K	E	0.054	Likely Benign
SCN2A	2	166210883	A	C	1034	K	T	0.27	Likely Benign
SCN2A	2	166210883	A	G	1034	K	R	0.067	Likely Benign
SCN2A	2	166210883	A	T	1034	K	I	0.263	Likely Benign
SCN2A	2	166210884	A	C	1034	K	N	0.127	Likely Benign
SCN2A	2	166210884	A	T	1034	K	N	0.127	Likely Benign
SCN2A	2	166210885	G	A	1035	D	N	0.037	Likely Benign
SCN2A	2	166210885	G	C	1035	A	P	0.05	Likely Benign
SCN2A	2	166210885	G	T	1035	A	S	0.043	Likely Benign
SCN2A	2	166210886	A	G	1035	D	D	0.035	Likely Benign
SCN2A	2	166210886	C	G	1035	A	G	0.041	Likely Benign
SCN2A	2	166210886	C	T	1035	A	V	0.033	Likely Benign
SCN2A	2	166210888	T	A	1036	L	I	0.035	Likely Benign
SCN2A	2	166210888	T	G	1036	L	V	0.05	Likely Benign
SCN2A	2	166210889	T	C	1036	L	S	0.034	Likely Benign
SCN2A	2	166210890	A	C	1036	L	F	0.091	Likely Benign
SCN2A	2	166210890	A	T	1036	L	F	0.092	Likely Benign
SCN2A	2	166210891	G	A	1037	D	N	0.045	Likely Benign
SCN2A	2	166210891

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166892862	T	G	1042	Q	P	0.022	Likely Benien
SCN1A	2	166892861	A	A	1042	Q	H	0.137	Likely Benien
SCN1A	2	166892861	T	G	1042	Q	H	0.133	Likely Benien
SCN1A	2	166892860	T	C	1043	K	E	0.074	Likely Benien
SCN1A	2	166892860	T	G	1043	K	Q	0.098	Likely Benien
SCN1A	2	166892859	T	A	1043	K	M	0.323	Likely Benien
SCN1A	2	166892859	T	C	1043	K	R	0.064	Likely Benien
SCN1A	2	166892859	T	G	1043	K	T	0.368	Likely Benien
SCN1A	2	166892858	C	A	1043	K	N	0.085	Likely Benien
SCN1A	2	166892858	C	G	1043	K	N	0.085	Likely Benien
SCN1A	2	166892857	T	A	1044	I	F	0.058	Likely Benien
SCN1A	2	166892857	T	C	1044	I	V	0.034	Likely Benien
SCN1A	2	166892857	T	G	1044	I	L	0.041	Likely Benien
SCN1A	2	166892856	A	C	1044	I	S	0.030	Likely Benien
SCN1A	2	166892856	A	G	1044	I	T	0.025	Likely Benien
SCN1A	2	166892856	A	T	1044	I	N	0.037	Likely Benien
SCN1A	2	166892855	A	C	1044	I	M	0.043	Likely Benien
SCN1A	2	166892854	A	C	1045	L	V	0.054	Likely Benien
SCN1A	2	166892854	A	T	1045	L	I	0.044	Likely Benien
SCN1A	2	166892853	A	G	1045	L	S	0.037	Likely Benien
SCN1A	2	166892852	T	A	1045	L	F	0.102	Likely Benien
SCN1A	2	166892852	T	G	1045	L	F	0.102	Likely Benien
SCN1A	2	166892851	C	A	1046	D	Y	0.215	Likely Benien
SCN1A	2	166892851	C	G	1046	D	H	0.115	Likely Benien
SCN1A	2	166892851	C	T	1046	D	N	0.057	Likely Benien
SCN1A	2	166892850	T	A	1046	D	V	0.102	Likely Benien
SCN1A	2	166892850	T	C	1046	D	G	0.063	Likely Benien
SCN1A	2	166892850	T	G	1046	D	A	0.053	Likely Benien
SCN1A	2	166892849	A	C	1046	D	E	0.034	Likely Benien
SCN1A	2	166892849	A	T	1046	D	E	0.034	Likely Benien
SCN1A	2	166892848	C	G	1047	E	Q	0.152	Likely Benien
SCN1A	2	166892848	C	T	1047	E	K	0.102	Likely Benien
SCN1A	2	166892847	T	A	1047	E	V	0.134	Likely Benien
SCN1A	2	166892847	T	C	1047	E	G	0.173	Likely Benien
SCN1A	2	166892847	T	G	1047	E	A	0.090	Likely Benien
SCN1A	2	166892846	T	A	1047	E	D	0.120	Likely Benien
SCN1A	2	166892846	T	G	1047	E	D	0.119	Likely Benien
SCN1A	2	166892845	T	A	1048	I	F	0.072	Likely Benien
SCN1A	2	166892845	T	C	1048	I	V	0.050	Likely Benien
SCN1A	2	166892845	T	G	1048	I	L	0.048	Likely Benien
SCN1A	2	166892844	A	C	1048	I	S	0.069	Likely Benien
SCN1A	2	166892844	A	G	1048	I	T	0.046	Likely Benien
SCN1A	2	166892844	A	T	1048	I	N	0.141	Likely Benien
SCN1A	2	166892843	A	C	1048	I	M	0.058	Likely Benien
SCN1A	2	166892842	T	C	1049	K	E	0.091	Likely Benien
SCN1A	2	166892842	T	G	1049	K	Q	0.119	Likely Benien
SCN1A	2	166892841	T	A	1049	K	I	0.257	Likely Benien
SCN1A	2	166892841	T	C	1049	K	R	0.057	Likely Benien
SCN1A	2	166892841	T	G	1049	K	T	0.185	Likely Benien
SCN1A	2	166892840	A	A	1049	K	N	0.227	Likely Benien
SCN1A	2	166892840	T	G	1049	K	N	0.228	Likely Benien
SCN1A	2	166892839	G	A	1050	P	S	0.053	Likely Benien
SCN1A	2	166892839	G	C	1050	P	A	0.057	Likely Benien
SCN1A	2	166892839	G	T	1050	P	T	0.091	Likely Benien
SCN1A	2	166892838	G	A	1050	P	L	0.070	Likely Benien
SCN1A	2	166892838	G	C	1050	P	R	0.076	Likely Benien
SCN1A	2	166892838	G	T	1050	P	Q	0.060	Likely Benien
SCN1A	2	166892836	G	A	1051	L	F	0.176	Likely Benien
SCN1A	2	166892836	G	C	1051	L	V	0.060	Likely Benien
SCN1A	2	166892836	G	T	1051	L	I	0.109	Likely Benien
SCN1A	2	166892835	A	C	1051	L	R	0.277	Likely Benien
SCN1A	2	166892835	A	G	1051	L	P	0.115	Likely Benien
SCN1A	2	166892835	A	T	1051	L	H	0.294	Likely Benien
SCN1A	2	166892833	C	A	1052	D	Y	0.135	Likely Benien
SCN1A	2	166892833	C	G	1052	D	H	0.188	Likely Benien
SCN1A	2	166892833	C	T	1052	D	N	0.060	Likely Benien
SCN1A	2	166892832	T	A	1052	D	V	0.113	Likely Benien
SCN1A	2	166892832	T	C	1052	D	G	0.078	Likely Benien
SCN1A	2	166892832	T	G	1052	D	A	0.058	Likely Benien
SCN1A	2	166892831	A	C	1052	D	E	0.021	Likely Benien
SCN1A	2	166892831	A	T	1052	D	E	0.021	Likely Benien
SCN1A	2	166892830	C	A	1053	D	Y	0.206	Likely Benien
SCN1A	2	166892830	C	G	1053	D	H	0.153	Likely Benien
SCN1A	2	166892830	C	T	1053	D	N	0.110	Likely Benien
SCN1A	2	166892829	T	A	1053	D	V	0.189	Likely Benien
SCN1A	2	166892829	T	C	1053	D	G	0.057	Likely Benien
SCN1A	2	166892829	T	G	1053	D	A	0.133	Likely Benien
SCN1A	2	166892828	A	C	1053	D	E	0.035	Likely Benien
SCN1A	2	166892828	A	T	1053	D	E	0.035	Likely Benien
SCN1A	2	166892827	G	C	1054	L	V	0.055	Likely Benien
SCN1A	2	166892827	G	T	1054	L	I	0.054	Likely Benien
SCN1A	2	166892826	A	C	1054	L	R	0.061	Likely Benien
SCN1A	2	166892826	A	G	1054	L	P	0.083	Likely Benien
SCN1A	2	166892826	A	T	1054	L	Q	0.100	Likely Benien
SCN1A	2	166892824	T	A	1055	N	Y	0.056	Likely Benien
SCN1A	2	166892824	T	C	1055	N	D	0.049	Likely Benien
SCN1A	2	166892824	T	G	1055	N	I	0.042	Likely Benien
SCN1A	2	166892823	T	A	1055	N	I	0.059	Likely Benien
SCN1A	2	166892823	T	C	1055	N	S	0.044	Likely Benien
SCN1A	2	166892823	T	G	1055	N	T	0.056	Likely Benien
SCN1A	2	166892822	G	C	1055	N	K	0.044	Likely Benien
SCN1A	2	166892822	G	T	1055	N	K	0.044	Likely Benien
SCN1A	2	166892821	T	A	1056	N	Y	0.073	Likely Benien
SCN1A	2	166892821	T	C	1056	N	D	0.046	Likely Benien
SCN1A	2	166892821	T	G	1056	N	H	0.073	Likely Benien
SCN1A	2	166892820	T	A	1056	N	I	0.082	Likely Benien
SCN1A	2	166892820	T	C	1056	N	S	0.052	Likely Benien
SCN1A	2	166892820	T	G	1056	N	T	0.064	Likely Benien
SCN1A	2	166892819	G	C	1056	N	K	0.035	Likely Benien
SCN1A	2	166892819	G	T	1056	N	K	0.035	Likely Benien
SCN1A	2	166892818	T	C	1057	K	E	0.092	Likely Benien
SCN1A	2	166892818	T	G	1057	K	Q	0.059	Likely Benien
SCN1A	2	166892817	T	A	1057	K	M	0.155	Likely Benien
SCN1A	2	166892817	T	C	1057	K	R	0.084	Likely Benien
SCN1A	2	166892817	T	G	1057	K	T	0.155	Likely Benien
SCN1A	2	166892816	C	A	1057	K	N	0.128	Likely Benien
SCN1A	2	166892816	C	G	1057	K	N	0.128	Likely Benien
SCN1A	2	166892815	T	C	1058	K	E	0.083	Likely Benien
SCN1A	2	166892815	T	G	1058	K	Q	0.108	Likely Benien
SCN1A	2	166892814	T	A	1058	K	I	0.113	Likely Benien
SCN1A	2	166892814	T	C	1058	K	R	0.062	Likely Benien
SCN1A	2	166892814	T	G	1058	K	T	0.206	Likely Benien
SCN1A	2	166892813	T	A	1058	K	N	0.086	Likely Benien
SCN1A	2	166892813	T	G	1058	K	N	0.085	Likely Benien
SCN1A	2	166892812	C	A	1059	D	Y	0.163	Likely Benien
SCN1A	2	166892812	C	G	1059	D	H	0.154	Likely Benien
SCN1A	2	166892812	T	A	1059	D	N	0.049	Likely Benien
SCN1A	2	166892811	T	A	1059	D	V	0.066	Likely Benien
SCN1A	2	166892811	T	C	1059	D	G	0.063	Likely Benien
SCN1A	2	166892811	T	G	1059	D	A	0.049	Likely Benien
SCN1A	2	166892810	G	C	1059	D	E	0.022	Likely Benien
SCN1A	2	166892810	G	T	1059	D	E	0.022	Likely Benien
SCN1A	2	166892809	T	A	1060	S	C	0.074	Likely Benien
SCN1A	2	166892809	T	C	1060	S	G	0.074	Likely Benien
SCN1A	2	166892809	T	G	1060	S	R	0.032	Likely Benien
SCN1A	2	166892808	C	A	1060	S	I	0.056	Likely Benien
SCN1A	2	166892808	C	G	1060	S	T	0.065	Likely Benien
SCN1A	2	166892808	C	T	1060	S	N	0.035	Likely Benien
SCN1A	2	166892807	A	C	1060	S	R	0.014	Likely Benien
SCN1A	2	166892807	A	T	1060	S	R	0.060	Likely Benien
SCN1A	2	166892806	A	C	1061	C	G	0.060	Likely Benien
SCN1A	2	166892806	A	G	1061	C	R	0.130	Likely Benien
SCN1A	2	166892806	A	T	1061	C	S	0.233	Likely Benien
SCN1A	2	166892805	C	A	1061	C	F	0.083	Likely Benien
SCN1A	2	166892805	C	G	1061	C	S	0.073	Likely Benien
SCN1A	2	166892805	C	T	1061	C	Y	0.085	Likely Benien
SCN1A	2	166892804	A	C	1061	C	W	0.051	Likely Benien
SCN1A	2	166892803	T	A	1062	M	L	0.273	Likely Benien
SCN1A	2	166892803	T	C	1062	M	V	0.017	Likely Benien
SCN1A	2	166892803	T	G	1062	M	L	0.016	Likely Benien
SCN1A	2	166892802	A	C	1062	M	R	0.018	Likely Benien
SCN1A	2	166892802	A	G	1062	M	T	0.051	Likely Benien
SCN1A	2	166892802	A	T	1062	M	K	0.030	Likely Benien
SCN1A	2	166892801	C	A	1062	M	I	0.030	Likely Benien
SCN1A	2	166892801	C	G	1062	M	I	0.007	Likely Benien
SCN1A	2	166892801	C	T	1062	M	I	0.007	Likely Benien
SCN1A	2	166892800	A	C	1063	S	A	0.007	Likely Benien
SCN1A	2	166892800	A	G	1063	S	P	0.040	Likely Benien
SCN1A	2	166892800	A	T	1063	S	T	0.102	Likely Benien
SCN1A	2	166892799	G	A	1063	S	F	0.058	Likely Benien
SCN1A	2	166892799	G	C	1063	S	Y	0.059	Likely Benien
SCN1A	2	166892799	G	T	1063	S	Y	0.194	Likely Benien
SCN1A	2	166892797	T	A	1064	N	Y	0.198	Likely Benien
SCN1A	2	166892797	T	C	1064	N	D	0.807	Likely Pathoaenic
SCN1A	2	166892797	T	G	1064	N	H	0.190	Likely Benien
SCN1A	2	166892796	T	A	1064	N	I	0.216	Likely Benien
SCN1A	2	166892796	T	C	1064	N	S	0.852	Likely Pathoaenic
SCN1A	2	166892796	T	G	1064	N	T	0.240	Likely Benien
SCN1A	2	166892795	A	C	1064	N	K	0.223	Likely Benien
SCN1A	2	166892795	A	T	1064	N	K	0.238	Likely Benien
SCN1A	2	166892794	G	A	1065	H	Y	0.238	Likely Benien
SCN1A	2	166892794	G	C	1065	H	D	0.113	Likely Benien
SCN1A	2	166892794	G	T	1065	H	N	0.160	Likely Benien
SCN1A	2	166892793	T	A	1065	H	L	0.088	Likely Benien
SCN1A	2	166892793	T	C	1065	H	R	0.668	Likely Benien
SCN1A	2	166892793	T	G	1065	H	P	0.065	Likely Benien
SCN1A	2	166892792	A	C	1065	H	Q	0.173	Likely Benien
SCN1A	2	166892792	A	T	1065	H	Q	0.137	Likely Benien
SCN1A	2	166892791	T	A	1066	T	S	0.137	Likely Benien
SCN1A	2	166892791	T	C	1066	T	A	0.622	Likely Benien
SCN1A	2	166892791	T	G	1066	T	P	0.325	Likely Benien
SCN1A	2	166892790	G	A	1066	T	I	0.623	Likely Benien
SCN1A	2	166892790	G	C	1066	T	R	0.507	Likely Benien
SCN1A	2	166892790	G	T	1066	T	K	0.791	Likely Pathoaenic
SCN1A	2	166892788	C	A	1067	A	S	0.807	Likely Pathoaenic
SCN1A	2	166892788	C	G	1067	A	P	0.165	Likely Benien
SCN1A	2	166892787	G	A	1067	A	V	0.185	Likely Benien
SCN1A	2	166892787	G	C	1067	A	G	0.125	Likely Benien
SCN1A	2	166892787	G	T	1067	A	E	0.111	Likely Benien
SCN1A	2	166892785	C	G	1068	E	Q	0.182	Likely Benien
SCN1A	2	166892785	C	T	1068	E	K	0.800	Likely Pathoaenic
SCN1A	2	166892784	T	A	1068	E	V	0.897	Likely Pathoaenic
SCN1A	2	166892784	T	C	1068	E	G	0.660	Likely Benien
SCN1A	2	166892784	T	G	1068	E	A	0.439	Likely Benien
SCN1A	2	166892783	T	A	1068	E	D	0.401	Likely Benien
SCN1A	2	166892783	T	G	1068	E	D	0.220	Likely Benien
SCN1A	2	166892782	T	A	1069	I	F	0.212	Likely Benien
SCN1A	2	166892782	T	G	1069	I	F	0.396	Likely Benien

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166210898	T	C	1039	I	T	0.041	Likely Benign
SCN2A	2	166210898	T	G	1039	I	S	0.06	Likely Benign
SCN2A	2	166210899	T	G	1039	I	M	0.053	Likely Benign
SCN2A	2	166210900	A	C	1040	K	Q	0.143	Likely Benign
SCN2A	2	166210900	A	G	1040	K	E	0.052	Likely Benign
SCN2A	2	166210901	A	C	1040	K	T	0.21	Likely Benign
SCN2A	2	166210901	A	G	1040	K	R	0.059	Likely Benign
SCN2A	2	166210901	A	T	1040	K	I	0.376	Likely Benign
SCN2A	2	166210902	A	C	1040	K	N	0.262	Likely Benign
SCN2A	2	166210902	A	T	1040	K	N	0.263	Likely Benign
SCN2A	2	166210903	C	A	1041	P	T	0.076	Likely Benign
SCN2A	2	166210903	C	G	1041	P	A	0.049	Likely Benign
SCN2A	2	166210903	C	T	1041	P	S	0.052	Likely Benign
SCN2A	2	166210904	C	A	1041	P	Q	0.048	Likely Benign
SCN2A	2	166210904	C	G	1041	P	R	0.054	Likely Benign
SCN2A	2	166210904	C	T	1041	P	L	0.053	Likely Benign
SCN2A	2	166210906	C	A	1042	L	I	0.105	Likely Benign
SCN2A	2	166210906	C	G	1042	L	V	0.057	Likely Benign
SCN2A	2	166210906	C	T	1042	L	F	0.169	Likely Benign
SCN2A	2	166210907	T	A	1042	L	H	0.275	Likely Benign
SCN2A	2	166210907	T	C	1042	L	P	0.123	Likely Benign
SCN2A	2	166210907	T	G	1042	L	R	0.238	Likely Benign
SCN2A	2	166210909	G	A	1043	E	K	0.118	Likely Benign
SCN2A	2	166210909	G	C	1043	E	Q	0.108	Likely Benign
SCN2A	2	166210910	A	C	1043	E	A	0.054	Likely Benign
SCN2A	2	166210910	A	G	1043	E	G	0.082	Likely Benign
SCN2A	2	166210910	A	T	1043	E	V	0.078	Likely Benign
SCN2A	2	166210911	A	C	1043	E	D	0.022	Likely Benign
SCN2A	2	166210911	A	T	1043	E	D	0.022	Likely Benign
SCN2A	2	166210912	G	A	1044	D	N	0.099	Likely Benign
SCN2A	2	166210912	G	C	1044	D	H	0.136	Likely Benign
SCN2A	2	166210912	G	T	1044	D	Y	0.201	Likely Benign
SCN2A	2	166210913	A	C	1044	D	A	0.129	Likely Benign
SCN2A	2	166210913	A	G	1044	D	G	0.071	Likely Benign
SCN2A	2	166210913	A	T	1044	D	V	0.184	Likely Benign
SCN2A	2	166210914	T	A	1044	D	E	0.031	Likely Benign
SCN2A	2	166210914	T	G	1044	D	E	0.031	Likely Benign
SCN2A	2	166210915	C	A	1045	L	I	0.051	Likely Benign
SCN2A	2	166210915	C	G	1045	L	V	0.052	Likely Benign
SCN2A	2	166210916	A	C	1045	L	Q	0.133	Likely Benign
SCN2A	2	166210916	T	C	1045	L	P	0.06	Likely Benign
SCN2A	2	166210916	T	G	1045	L	R	0.068	Likely Benign
SCN2A	2	166210918	A	C	1046	N	H	0.038	Likely Benign
SCN2A	2	166210918	A	G	1046	N	D	0.048	Likely Benign
SCN2A	2	166210918	A	T	1046	N	Y	0.046	Likely Benign
SCN2A	2	166210919	A	C	1046	N	T	0.051	Likely Benign
SCN2A	2	166210919	A	G	1046	N	S	0.046	Likely Benign
SCN2A	2	166210919	A	T	1046	N	I	0.06	Likely Benign
SCN2A	2	166210920	T	A	1046	N	K	0.045	Likely Benign
SCN2A	2	166210920	T	G	1046	N	K	0.045	Likely Benign
SCN2A	2	166210921	A	C	1047	N	H	0.054	Likely Benign
SCN2A	2	166210921	A	G	1047	N	D	0.043	Likely Benign
SCN2A	2	166210921	A	T	1047	N	Y	0.053	Likely Benign
SCN2A	2	166210922	A	C	1047	N	T	0.047	Likely Benign
SCN2A	2	166210922	A	G	1047	N	S	0.047	Likely Benign
SCN2A	2	166210922	A	T	1047	N	I	0.058	Likely Benign
SCN2A	2	166210923	T	A	1047	N	K	0.038	Likely Benign
SCN2A	2	166210923	T	G	1047	N	K	0.037	Likely Benign
SCN2A	2	166210924	A	C	1048	K	Q	0.06	Likely Benign
SCN2A	2	166210924	A	G	1048	K	E	0.088	Likely Benign
SCN2A	2	166210925	A	C	1048	K	T	0.188	Likely Benign
SCN2A	2	166210925	A	G	1048	K	R	0.06	Likely Benign
SCN2A	2	166210925	A	T	1048	K	I	0.434	Likely Benign
SCN2A	2	166210926	A	C	1048	K	N	0.151	Likely Benign
SCN2A	2	166210926	A	T	1048	K	N	0.155	Likely Benign
SCN2A	2	166210927	A	C	1049	K	Q	0.136	Likely Benign
SCN2A	2	166210927	A	G	1049	K	E	0.066	Likely Benign
SCN2A	2	166210928	A	C	1049	K	T	0.144	Likely Benign
SCN2A	2	166210928	A	G	1049	K	R	0.055	Likely Benign
SCN2A	2	166210928	A	T	1049	K	I	0.056	Likely Benign
SCN2A	2	166210929	A	C	1049	K	N	0.057	Likely Benign
SCN2A	2	166210929	A	T	1049	K	N	0.058	Likely Benign
SCN2A	2	166210930	G	A	1050	D	N	0.05	Likely Benign
SCN2A	2	166210930	G	C	1050	D	H	0.119	Likely Benign
SCN2A	2	166210930	G	T	1050	D	Y	0.134	Likely Benign
SCN2A	2	166210931	A	C	1050	D	A	0.053	Likely Benign
SCN2A	2	166210931	A	G	1050	D	G	0.053	Likely Benign
SCN2A	2	166210931	A	T	1050	D	V	0.059	Likely Benign
SCN2A	2	166210932	A	C	1050	D	E	0.022	Likely Benign
SCN2A	2	166210932	C	G	1050	D	E	0.022	Likely Benign
SCN2A	2	166210933	A	C	1051	S	R	0.057	Likely Benign
SCN2A	2	166210933	A	G	1051	S	G	0.03	Likely Benign
SCN2A	2	166210933	A	T	1051	S	C	0.067	Likely Benign
SCN2A	2	166210934	G	A	1051	S	N	0.013	Likely Benign
SCN2A	2	166210934	G	C	1051	S	T	0.033	Likely Benign
SCN2A	2	166210934	G	T	1051	S	I	0.055	Likely Benign
SCN2A	2	166210935	C	A	1051	S	R	0.057	Likely Benign
SCN2A	2	166210935	C	T	1051	S	F	0.057	Likely Benign
SCN2A	2	166210936	T	A	1052	C	S	0.069	Likely Benign
SCN2A	2	166210936	T	C	1052	C	R	0.217	Likely Benign
SCN2A	2	166210936	T	G	1052	C	G	0.106	Likely Benign
SCN2A	2	166210937	G	A	1052	C	Y	0.044	Likely Benign
SCN2A	2	166210937	G	C	1052	C	S	0.077	Likely Benign
SCN2A	2	166210937	G	T	1052	C	F	0.058	Likely Benign
SCN2A	2	166210938	T	G	1052	C	W	0.181	Likely Benign
SCN2A	2	166210939	A	C	1053	I	L	0.043	Likely Benign
SCN2A	2	166210939	A	G	1053	I	V	0.041	Likely Benign
SCN2A	2	166210939	A	T	1053	I	F	0.158	Likely Benign
SCN2A	2	166210940	T	A	1053	I	N	0.067	Likely Benign
SCN2A	2	166210940	T	C	1053	I	T	0.05	Likely Benign
SCN2A	2	166210940	T	G	1053	I	S	0.05	Likely Benign
SCN2A	2	166210941	T	G	1053	I	M	0.049	Likely Benign
SCN2A	2	166210942	T	A	1054	S	T	0.051	Likely Benign
SCN2A	2	166210942	T	C	1054	S	P	0.088	Likely Benign
SCN2A	2	166210942	T	G	1054	S	A	0.038	Likely Benign
SCN2A	2	166210943	C	A	1054	S	Y	0.192	Likely Benign
SCN2A	2	166210943	C	G	1054	S	C	0.197	Likely Benign
SCN2A	2	166210943	C	T	1054	S	F	0.055	Likely Benign
SCN2A	2	166210945	A	C	1055	N	H	0.255	Likely Benign
SCN2A	2	166210945	A	G	1055	N	D	0.156	Likely Benign
SCN2A	2	166210945	A	T	1055	N	Y	0.378	Likely Benign
SCN2A	2	166210946	A	C	1055	N	T	0.13	Likely Benign
SCN2A	2	166210946	A	G	1055	N	S	0.157	Likely Benign
SCN2A	2	166210946	A	T	1055	N	I	0.398	Likely Benign
SCN2A	2	166210947	C	A	1055	N	K	0.133	Likely Benign
SCN2A	2	166210947	C	G	1055	N	K	0.131	Likely Benign
SCN2A	2	166210948	A	C	1056	H	N	0.042	Likely Benign
SCN2A	2	166210948	C	G	1056	H	D	0.068	Likely Benign
SCN2A	2	166210948	C	T	1056	H	Y	0.053	Likely Benign
SCN2A	2	166210949	A	C	1056	H	P	0.1	Likely Benign
SCN2A	2	166210949	A	G	1056	H	R	0.052	Likely Benign
SCN2A	2	166210949	A	T	1056	H	L	0.21	Likely Benign
SCN2A	2	166210950	T	A	1056	H	Q	0.096	Likely Benign
SCN2A	2	166210950	T	G	1056	H	Q	0.096	Likely Benign
SCN2A	2	166210951	A	C	1057	T	P	0.408	Likely Benign
SCN2A	2	166210951	A	G	1057	T	A	0.181	Likely Benign
SCN2A	2	166210951	A	T	1057	T	S	0.405	Likely Benign
SCN2A	2	166210952	C	A	1057	T	N	0.257	Likely Benign
SCN2A	2	166210952	C	G	1057	T	S	0.613	Likely Benign
SCN2A	2	166210952	C	T	1057	T	I	0.362	Likely Benign
SCN2A	2	166210954	A	C	1058	T	P	0.115	Likely Benign
SCN2A	2	166210954	A	G	1058	T	A	0.11	Likely Benign
SCN2A	2	166210954	A	T	1058	T	S	0.144	Likely Benign
SCN2A	2	166210955	C	A	1058	T	N	0.158	Likely Benign
SCN2A	2	166210955	C	G	1058	T	S	0.16	Likely Benign
SCN2A	2	166210955	C	T	1058	T	I	0.184	Likely Benign
SCN2A	2	166210957	A	C	1059	I	L	0.118	Likely Benign
SCN2A	2	166210957	A	G	1059	I	V	0.064	Likely Benign
SCN2A	2	166210957	A	T	1059	I	L	0.119	Likely Benign
SCN2A	2	166210958	T	A	1059	I	K	0.234	Likely Benign
SCN2A	2	166210958	T	C	1059	I	T	0.113	Likely Benign
SCN2A	2	166210958	T	G	1059	I	R	0.393	Likely Benign
SCN2A	2	166210959	A	G	1059	I	M	0.153	Likely Benign
SCN2A	2	166210960	G	A	1060	E	K	0.47	Likely Benign
SCN2A	2	166210960	G	C	1060	E	Q	0.618	Likely Benign
SCN2A	2	166210961	A	C	1060	E	A	0.397	Likely Benign
SCN2A	2	166210961	A	G	1060	E	G	0.332	Likely Benign
SCN2A	2	166210961	A	T	1060	E	V	0.801	Likely Pathogenic
SCN2A	2	166210962	A	C	1060	E	D	0.192	Likely Benign
SCN2A	2	166210962	A	T	1060	E	D	0.192	Likely Benign
SCN2A	2	166210963	A	C	1061	I	L	0.162	Likely Benign
SCN2A	2	166210963	A	G	1061	I	V	0.189	Likely Benign
SCN2A	2	166210963	A	T	1061	I	L	0.161	Likely Benign
SCN2A	2	166210964	T	A	1061	I	K	0.385	Likely Benign
SCN2A	2	166210964	T	C	1061	I	T	0.269	Likely Benign
SCN2A	2	166210964	T	G	1061	I	R	0.555	Likely Benign
SCN2A	2	166210965	A	G	1061	I	M	0.184	Likely Benign
SCN2A	2	166210966	A	C	1062	G	G	0.056	Likely Benign
SCN2A	2	166210966	G	C	1062	G	R	0.192	Likely Benign
SCN2A	2	166210966	G	T	1062	G	C	0.283	Likely Benign
SCN2A	2	166210967	C	A	1062	G	D	0.147	Likely Benign
SCN2A	2	166210967	G	C	1062	G	A	0.164	Likely Benign
SCN2A	2	166210967	G	T	1062	G	V	0.219	Likely Benign
SCN2A	2	166210969	A	C	1063	K	E	0.567	Likely Benign
SCN2A	2	166210969	A	G	1063	K	E	0.47	Likely Benign
SCN2A	2	166210970	A	C	1063	K	T	0.521	Likely Benign
SCN2A	2	166210970	A	G	1063	K	R	0.221	Likely Benign
SCN2A	2	166210970	A	T	1063	K	I	0.653	Likely Benign
SCN2A	2	166210971	A	C	1063	K	N	0.446	Likely Benign
SCN2A	2	166210971	A	T	1063	K	N

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166892782	T	C	1069	I	V	0.175	Likely Benien
SCN1A	2	166892782	T	G	1069	I	L	0.138	Likely Benien
SCN1A	2	166892781	A	C	1069	I	S	0.203	Likely Benien
SCN1A	2	166892781	A	G	1069	I	T	0.244	Likely Benien
SCN1A	2	166892781	A	T	1069	I	N	0.217	Likely Benien
SCN1A	2	166892780	A	C	1069	I	M	0.196	Likely Benien
SCN1A	2	166892779	C	A	1070	G	W	0.297	Likely Benien
SCN1A	2	166892779	C	G	1070	G	R	0.179	Likely Benien
SCN1A	2	166892779	C	T	1070	G	R	0.178	Likely Benien
SCN1A	2	166892778	C	A	1070	G	V	0.165	Likely Benien
SCN1A	2	166892778	C	G	1070	G	A	0.157	Likely Benien
SCN1A	2	166892778	C	T	1070	G	E	0.115	Likely Benien
SCN1A	2	166892776	T	C	1071	K	E	0.531	Likely Benien
SCN1A	2	166892776	T	G	1071	K	Q	0.467	Likely Benien
SCN1A	2	166892775	T	A	1071	K	I	0.674	Likely Benien
SCN1A	2	166892775	T	C	1071	K	R	0.250	Likely Benien
SCN1A	2	166892775	T	G	1071	K	T	0.388	Likely Benien
SCN1A	2	166892774	T	A	1071	K	N	0.355	Likely Benien
SCN1A	2	166892774	T	G	1071	K	N	0.355	Likely Benien
SCN1A	2	166892773	C	A	1072	D	Y	0.703	Likely Benien
SCN1A	2	166892773	C	G	1072	D	H	0.468	Likely Benien
SCN1A	2	166892773	C	T	1072	D	N	0.337	Likely Benien
SCN1A	2	166892772	T	A	1072	D	V	0.373	Likely Benien
SCN1A	2	166892772	T	C	1072	D	G	0.287	Likely Benien
SCN1A	2	166892772	T	G	1072	D	A	0.309	Likely Benien
SCN1A	2	166892771	A	C	1072	D	E	0.127	Likely Benien
SCN1A	2	166892771	A	T	1072	D	E	0.126	Likely Benien
SCN1A	2	166892770	G	A	1073	L	F	0.194	Likely Benien
SCN1A	2	166892770	G	C	1073	L	V	0.196	Likely Benien
SCN1A	2	166892770	G	T	1073	L	I	0.175	Likely Benien
SCN1A	2	166892769	A	C	1073	L	R	0.289	Likely Benien
SCN1A	2	166892769	A	G	1073	L	P	0.240	Likely Benien
SCN1A	2	166892769	A	T	1073	L	H	0.148	Likely Benien
SCN1A	2	166892767	C	A	1074	D	Y	0.645	Likely Benien
SCN1A	2	166892767	C	G	1074	D	H	0.411	Likely Benien
SCN1A	2	166892767	C	T	1074	D	N	0.131	Likely Benien
SCN1A	2	166892766	T	A	1074	D	V	0.541	Likely Benien
SCN1A	2	166892766	T	C	1074	D	G	0.340	Likely Benien
SCN1A	2	166892766	T	G	1074	D	A	0.464	Likely Benien
SCN1A	2	166892765	G	C	1074	D	E	0.175	Likely Benien
SCN1A	2	166892765	G	T	1074	D	E	0.167	Likely Benien
SCN1A	2	166892764	A	C	1075	Y	D	0.053	Likely Benien
SCN1A	2	166892764	A	G	1075	Y	H	0.057	Likely Benien
SCN1A	2	166892764	A	T	1075	Y	N	0.062	Likely Benien
SCN1A	2	166892763	T	A	1075	Y	F	0.032	Likely Benien
SCN1A	2	166892763	T	C	1075	Y	C	0.064	Likely Benien
SCN1A	2	166892763	T	G	1075	Y	S	0.058	Likely Benien
SCN1A	2	166892761	G	A	1076	L	F	0.063	Likely Benien
SCN1A	2	166892761	G	C	1076	L	V	0.042	Likely Benien
SCN1A	2	166892761	G	T	1076	L	I	0.054	Likely Benien
SCN1A	2	166892760	A	C	1076	L	R	0.064	Likely Benien
SCN1A	2	166892760	A	G	1076	L	P	0.069	Likely Benien
SCN1A	2	166892760	A	T	1076	L	H	0.051	Likely Benien
SCN1A	2	166892758	T	C	1077	K	E	0.121	Likely Benien
SCN1A	2	166892758	T	G	1077	K	Q	0.171	Likely Benien
SCN1A	2	166892757	T	A	1077	K	I	0.125	Likely Benien
SCN1A	2	166892757	T	C	1077	K	R	0.055	Likely Benien
SCN1A	2	166892757	T	G	1077	K	T	0.127	Likely Benien
SCN1A	2	166892756	T	A	1077	K	N	0.109	Likely Benien
SCN1A	2	166892756	T	G	1077	K	N	0.105	Likely Benien
SCN1A	2	166892755	C	A	1078	D	Y	0.142	Likely Benien
SCN1A	2	166892755	C	G	1078	D	H	0.138	Likely Benien
SCN1A	2	166892755	C	T	1078	D	N	0.041	Likely Benien
SCN1A	2	166892754	T	A	1078	D	V	0.093	Likely Benien
SCN1A	2	166892754	T	C	1078	D	G	0.060	Likely Benien
SCN1A	2	166892754	T	G	1078	D	A	0.061	Likely Benien
SCN1A	2	166892753	A	C	1078	D	E	0.028	Likely Benien
SCN1A	2	166892753	A	T	1078	D	E	0.028	Likely Benien
SCN1A	2	166892752	C	A	1079	V	L	0.020	Likely Benien
SCN1A	2	166892752	C	G	1079	V	L	0.020	Likely Benien
SCN1A	2	166892752	C	T	1079	V	I	0.043	Likely Benien
SCN1A	2	166892751	A	C	1079	V	G	0.007	Likely Benien
SCN1A	2	166892751	A	G	1079	V	A	0.019	Likely Benien
SCN1A	2	166892751	A	T	1079	V	E	0.023	Likely Benien
SCN1A	2	166892749	T	A	1080	N	Y	0.221	Likely Benien
SCN1A	2	166892749	T	C	1080	N	D	0.036	Likely Benien
SCN1A	2	166892749	T	G	1080	N	H	0.268	Likely Benien
SCN1A	2	166892748	T	A	1080	N	I	0.429	Likely Benien
SCN1A	2	166892748	T	C	1080	N	S	0.178	Likely Benien
SCN1A	2	166892748	T	G	1080	N	T	0.125	Likely Benien
SCN1A	2	166892747	A	C	1080	N	K	0.066	Likely Benien
SCN1A	2	166892747	A	T	1080	N	K	0.066	Likely Benien
SCN1A	2	166892746	C	G	1081	G	R	0.212	Likely Benien
SCN1A	2	166892746	C	T	1081	G	R	0.212	Likely Benien
SCN1A	2	166892745	C	A	1081	G	V	0.125	Likely Benien
SCN1A	2	166892745	C	G	1081	G	A	0.066	Likely Benien
SCN1A	2	166892745	C	T	1081	G	E	0.103	Likely Benien
SCN1A	2	166892743	T	A	1082	T	S	0.063	Likely Benien
SCN1A	2	166892743	T	C	1082	T	A	0.061	Likely Benien
SCN1A	2	166892743	T	G	1082	T	P	0.121	Likely Benien
SCN1A	2	166892742	G	A	1082	T	I	0.106	Likely Benien
SCN1A	2	166892742	G	C	1082	T	S	0.062	Likely Benien
SCN1A	2	166892742	G	T	1082	T	N	0.230	Likely Benien
SCN1A	2	166892741	T	A	1083	T	S	0.056	Likely Benien
SCN1A	2	166892740	T	C	1083	T	A	0.058	Likely Benien
SCN1A	2	166892740	T	G	1083	T	P	0.072	Likely Benien
SCN1A	2	166892739	G	A	1083	T	I	0.066	Likely Benien
SCN1A	2	166892739	G	C	1083	T	R	0.189	Likely Benien
SCN1A	2	166892739	G	T	1083	T	K	0.086	Likely Benien
SCN1A	2	166892737	T	A	1084	S	C	0.536	Likely Benien
SCN1A	2	166892737	T	C	1084	S	G	0.066	Likely Benien
SCN1A	2	166892737	T	G	1084	S	R	0.333	Likely Benien
SCN1A	2	166892736	C	A	1084	S	I	0.118	Likely Benien
SCN1A	2	166892736	C	G	1084	S	T	0.063	Likely Benien
SCN1A	2	166892736	C	T	1084	S	N	0.067	Likely Benien
SCN1A	2	166892735	A	C	1084	S	R	0.307	Likely Benien
SCN1A	2	166892735	A	T	1084	S	R	0.306	Likely Benien
SCN1A	2	166892734	C	A	1085	G	C	0.478	Likely Benien
SCN1A	2	166892734	C	G	1085	G	R	0.634	Likely Benien
SCN1A	2	166892734	C	T	1085	G	S	0.351	Likely Benien
SCN1A	2	166892733	C	A	1085	G	V	0.348	Likely Benien
SCN1A	2	166892733	C	G	1085	G	A	0.262	Likely Benien
SCN1A	2	166892733	C	T	1085	G	D	0.693	Likely Benien
SCN1A	2	166892731	A	C	1086	I	L	0.029	Likely Benien
SCN1A	2	166892731	T	C	1086	I	V	0.026	Likely Benien
SCN1A	2	166892731	T	G	1086	I	L	0.029	Likely Benien
SCN1A	2	166892730	A	C	1086	I	R	0.082	Likely Benien
SCN1A	2	166892730	A	G	1086	I	T	0.040	Likely Benien
SCN1A	2	166892730	A	T	1086	I	K	0.075	Likely Benien
SCN1A	2	166892729	T	C	1086	I	M	0.055	Likely Benien
SCN1A	2	166892728	C	G	1087	G	R	0.234	Likely Benien
SCN1A	2	166892728	C	T	1087	G	R	0.237	Likely Benien
SCN1A	2	166892727	C	A	1087	G	V	0.201	Likely Benien
SCN1A	2	166892727	C	G	1087	G	A	0.156	Likely Benien
SCN1A	2	166892727	C	T	1087	G	E	0.065	Likely Benien
SCN1A	2	166892725	T	A	1088	T	S	0.014	Likely Benien
SCN1A	2	166892725	T	C	1088	T	A	0.023	Likely Benien
SCN1A	2	166892725	T	G	1088	T	P	0.031	Likely Benien
SCN1A	2	166892724	G	A	1088	T	I	0.009	Likely Benien
SCN1A	2	166892724	G	C	1088	T	S	0.014	Likely Benien
SCN1A	2	166892724	G	T	1088	T	N	0.025	Likely Benien
SCN1A	2	166892722	C	A	1089	G	C	0.279	Likely Benien
SCN1A	2	166892722	C	G	1089	G	R	0.102	Likely Benien
SCN1A	2	166892722	C	T	1089	G	S	0.065	Likely Benien
SCN1A	2	166892721	C	A	1089	G	V	0.088	Likely Benien
SCN1A	2	166892721	C	G	1089	G	A	0.088	Likely Benien
SCN1A	2	166892721	C	T	1089	G	D	0.210	Likely Benien
SCN1A	2	166892719	T	A	1090	S	C	0.292	Likely Benien
SCN1A	2	166892719	T	C	1090	S	G	0.058	Likely Benien
SCN1A	2	166892719	T	G	1090	S	R	0.062	Likely Benien
SCN1A	2	166892718	C	A	1090	S	I	0.214	Likely Benien
SCN1A	2	166892718	C	G	1090	S	T	0.062	Likely Benien
SCN1A	2	166892718	C	T	1090	S	N	0.088	Likely Benien
SCN1A	2	166892717	G	C	1090	S	R	0.064	Likely Benien
SCN1A	2	166892717	G	T	1090	S	R	0.064	Likely Benien
SCN1A	2	166892716	T	A	1091	S	C	0.162	Likely Benien
SCN1A	2	166892716	T	C	1091	S	G	0.055	Likely Benien
SCN1A	2	166892716	T	G	1091	S	R	0.146	Likely Benien
SCN1A	2	166892715	A	C	1091	S	I	0.314	Likely Benien
SCN1A	2	166892715	C	G	1091	S	T	0.100	Likely Benien
SCN1A	2	166892715	C	T	1091	S	N	0.076	Likely Benien
SCN1A	2	166892714	A	C	1091	S	R	0.140	Likely Benien
SCN1A	2	166892714	A	T	1091	S	R	0.138	Likely Benien
SCN1A	2	166892713	C	A	1092	V	F	0.161	Likely Benien
SCN1A	2	166892713	C	G	1092	V	L	0.063	Likely Benien
SCN1A	2	166892713	C	T	1092	V	I	0.073	Likely Benien
SCN1A	2	166892712	A	C	1092	V	G	0.070	Likely Benien
SCN1A	2	166892712	A	G	1092	V	A	0.095	Likely Benien
SCN1A	2	166892712	A	T	1092	V	D	0.200	Likely Benien
SCN1A	2	166892710	C	G	1093	E	Q	0.127	Likely Benien
SCN1A	2	166892710	C	T	1093	E	K	0.121	Likely Benien
SCN1A	2	166892709	T	A	1093	E	V	0.161	Likely Benien
SCN1A	2	166892709	T	C	1093	E	G	0.070	Likely Benien
SCN1A	2	166892709	T	G	1093	E	A	0.098	Likely Benien
SCN1A	2	166892708	T	A	1093	E	D	0.047	Likely Benien
SCN1A	2	166892708	T	G	1093	E	D	0.046	Likely Benien
SCN1A	2	166892707	T	C	1094	K	E	0.184	Likely Benien
SCN1A	2	166892707	T	G	1094	K	Q	0.192	Likely Benien
SCN1A	2	166892706	T	A	1094	K	I	0.417	Likely Benien
SCN1A	2	166892706	T	C	1094	K	R	0.060	Likely Benien
SCN1A	2	166892706	T	G	1094	K	T	0.148	Likely Benien
SCN1A	2	166892705	T	A	1094	K	N	0.096	Likely Benien
SCN1A	2	166892705	T	G	1094	K	N	0.095	Likely Benien
SCN1A	2	166892704	A	C	1095	Y	D	0.185	Likely Benien
SCN1A	2	166892704	A	G	1095	Y	H	0.058	Likely Benien
SCN1A	2	166892704	A	T	1095	Y	N	0.102	Likely Benien
SCN1A	2	166892703	T	A	1095	Y	F	0.101	Likely Benien
SCN1A	2	166892703	T	C	1095	Y	C	0.118	Likely Benien
SCN1A	2	166892703	T	G	1095	Y	S	0.074	Likely Benien
SCN1A	2	166892701	T	A	1096	I	F	0.086	Likely Benien
SCN1A	2	166892701	T	C	1096	I	V	0.044	Likely Benien
SCN1A	2	166892701	T	G	1096	I	L	0.040	Likely Benien
SCN1A	2	166892700	A	C	1096	I	S	0.132	Likely Benien
SCN1A	2	166892700	A	G	1096	I	T	0.072	Likely Benien
SCN1A	2	166892700	A	T	1096	I	N	0.162	Likely Benien
SCN1A	2	166892699	A	C	1096	I	M	0.044	Likely Benien
SCN1A	2	166892698	T	A	1097	I	F	0.068	Likely Benien

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166210979	A	C	1066	N	T	0.2	Likely Benign
SCN2A	2	166210979	A	G	1066	N	S	0.188	Likely Benign
SCN2A	2	166210979	A	T	1066	N	I	0.332	Likely Benign
SCN2A	2	166210980	T	A	1066	N	K	0.197	Likely Benign
SCN2A	2	166210980	T	G	1066	N	K	0.194	Likely Benign
SCN2A	2	166210981	T	A	1067	Y	N	0.064	Likely Benign
SCN2A	2	166210981	T	C	1067	Y	H	0.064	Likely Benign
SCN2A	2	166210981	T	G	1067	Y	D	0.05	Likely Benign
SCN2A	2	166210982	A	C	1067	Y	S	0.063	Likely Benign
SCN2A	2	166210982	A	G	1067	Y	C	0.06	Likely Benign
SCN2A	2	166210982	A	T	1067	Y	F	0.033	Likely Benign
SCN2A	2	166210984	T	A	1068	L	I	0.058	Likely Benign
SCN2A	2	166210984	C	G	1068	L	V	0.051	Likely Benign
SCN2A	2	166210984	C	T	1068	L	F	0.063	Likely Benign
SCN2A	2	166210985	T	A	1068	L	H	0.046	Likely Benign
SCN2A	2	166210985	T	C	1068	L	P	0.066	Likely Benign
SCN2A	2	166210985	T	G	1068	L	R	0.061	Likely Benign
SCN2A	2	166210987	A	C	1069	K	Q	0.137	Likely Benign
SCN2A	2	166210987	A	G	1069	K	E	0.099	Likely Benign
SCN2A	2	166210988	A	C	1069	K	T	0.124	Likely Benign
SCN2A	2	166210988	A	G	1069	K	R	0.048	Likely Benign
SCN2A	2	166210988	A	T	1069	K	I	0.101	Likely Benign
SCN2A	2	166210989	A	C	1069	K	N	0.093	Likely Benign
SCN2A	2	166210989	A	T	1069	K	M	0.093	Likely Benign
SCN2A	2	166210990	G	A	1070	D	N	0.043	Likely Benign
SCN2A	2	166210990	G	C	1070	D	H	0.152	Likely Benign
SCN2A	2	166210990	G	T	1070	D	Y	0.158	Likely Benign
SCN2A	2	166210991	A	C	1070	D	A	0.049	Likely Benign
SCN2A	2	166210991	A	G	1070	D	G	0.05	Likely Benign
SCN2A	2	166210991	A	T	1070	D	V	0.054	Likely Benign
SCN2A	2	166210992	C	A	1070	D	E	0.031	Likely Benign
SCN2A	2	166210992	C	G	1070	D	E	0.031	Likely Benign
SCN2A	2	166210993	G	A	1071	G	R	0.062	Likely Benign
SCN2A	2	166210993	G	C	1071	G	R	0.061	Likely Benign
SCN2A	2	166210994	G	A	1071	G	E	0.061	Likely Benign
SCN2A	2	166210994	G	C	1071	G	A	0.054	Likely Benign
SCN2A	2	166210994	G	T	1071	G	V	0.058	Likely Benign
SCN2A	2	166210996	A	C	1072	N	H	0.303	Likely Benign
SCN2A	2	166210996	A	G	1072	N	D	0.036	Likely Benign
SCN2A	2	166210996	A	T	1072	N	Y	0.169	Likely Benign
SCN2A	2	166210997	A	C	1072	N	T	0.219	Likely Benign
SCN2A	2	166210997	A	G	1072	N	S	0.187	Likely Benign
SCN2A	2	166210997	A	T	1072	N	I	0.609	Likely Benign
SCN2A	2	166210998	T	A	1072	N	K	0.052	Likely Benign
SCN2A	2	166210998	T	G	1072	N	K	0.052	Likely Benign
SCN2A	2	166210999	G	A	1073	G	R	0.258	Likely Benign
SCN2A	2	166210999	G	T	1073	G	R	0.253	Likely Benign
SCN2A	2	166211000	G	A	1073	G	E	0.107	Likely Benign
SCN2A	2	166211000	G	C	1073	G	A	0.062	Likely Benign
SCN2A	2	166211000	G	T	1073	G	V	0.101	Likely Benign
SCN2A	2	166211002	A	C	1074	T	P	0.137	Likely Benign
SCN2A	2	166211002	A	G	1074	T	A	0.071	Likely Benign
SCN2A	2	166211002	A	T	1074	T	S	0.054	Likely Benign
SCN2A	2	166211003	C	A	1074	T	N	0.229	Likely Benign
SCN2A	2	166211003	C	G	1074	T	S	0.056	Likely Benign
SCN2A	2	166211003	C	T	1074	T	I	0.117	Likely Benign
SCN2A	2	166211005	A	C	1075	T	P	0.056	Likely Benign
SCN2A	2	166211005	A	G	1075	T	A	0.048	Likely Benign
SCN2A	2	166211005	A	T	1075	T	S	0.052	Likely Benign
SCN2A	2	166211006	C	A	1075	T	N	0.086	Likely Benign
SCN2A	2	166211006	C	G	1075	T	S	0.054	Likely Benign
SCN2A	2	166211006	C	T	1075	T	I	0.053	Likely Benign
SCN2A	2	166211008	A	C	1076	S	R	0.16	Likely Benign
SCN2A	2	166211008	A	G	1076	S	G	0.052	Likely Benign
SCN2A	2	166211008	A	T	1076	S	C	0.261	Likely Benign
SCN2A	2	166211009	G	A	1076	S	N	0.056	Likely Benign
SCN2A	2	166211009	G	C	1076	S	T	0.072	Likely Benign
SCN2A	2	166211009	G	T	1076	S	I	0.091	Likely Benign
SCN2A	2	166211010	A	C	1076	S	R	0.167	Likely Benign
SCN2A	2	166211010	T	G	1076	S	R	0.161	Likely Benign
SCN2A	2	166211011	G	A	1077	G	S	0.267	Likely Benign
SCN2A	2	166211011	G	T	1077	G	D	0.261	Likely Benign
SCN2A	2	166211011	G	T	1077	G	C	0.146	Likely Benign
SCN2A	2	166211012	G	A	1077	G	D	0.439	Likely Benign
SCN2A	2	166211012	G	C	1077	G	A	0.124	Likely Benign
SCN2A	2	166211012	G	T	1077	G	V	0.38	Likely Benign
SCN2A	2	166211014	A	C	1078	I	L	0.047	Likely Benign
SCN2A	2	166211014	A	G	1078	I	V	0.033	Likely Benign
SCN2A	2	166211014	A	T	1078	I	L	0.047	Likely Benign
SCN2A	2	166211015	T	A	1078	I	K	0.188	Likely Benign
SCN2A	2	166211015	T	C	1078	I	T	0.061	Likely Benign
SCN2A	2	166211015	T	G	1078	I	R	0.188	Likely Benign
SCN2A	2	166211016	A	G	1078	I	M	0.069	Likely Benign
SCN2A	2	166211017	G	A	1079	G	S	0.079	Likely Benign
SCN2A	2	166211017	G	C	1079	G	R	0.368	Likely Benign
SCN2A	2	166211017	G	T	1079	G	C	0.505	Likely Benign
SCN2A	2	166211018	G	A	1079	G	D	0.092	Likely Benign
SCN2A	2	166211018	G	C	1079	G	A	0.134	Likely Benign
SCN2A	2	166211018	G	T	1079	G	V	0.208	Likely Benign
SCN2A	2	166211020	A	C	1080	S	R	0.069	Likely Benign
SCN2A	2	166211020	A	G	1080	S	G	0.051	Likely Benign
SCN2A	2	166211020	A	T	1080	S	C	0.396	Likely Benign
SCN2A	2	166211021	G	A	1080	S	N	0.059	Likely Benign
SCN2A	2	166211021	G	C	1080	S	T	0.058	Likely Benign
SCN2A	2	166211021	G	T	1080	S	I	0.235	Likely Benign
SCN2A	2	166211022	C	A	1080	S	R	0.066	Likely Benign
SCN2A	2	166211022	C	G	1080	S	R	0.064	Likely Benign
SCN2A	2	166211022	C	T	1080	S	R	0.18	Likely Benign
SCN2A	2	166211023	A	G	1081	S	G	0.069	Likely Benign
SCN2A	2	166211023	A	T	1081	S	C	0.291	Likely Benign
SCN2A	2	166211024	A	G	1081	S	N	0.066	Likely Benign
SCN2A	2	166211024	G	C	1081	S	T	0.148	Likely Benign
SCN2A	2	166211024	G	T	1081	S	I	0.244	Likely Benign
SCN2A	2	166211025	T	A	1081	S	R	0.137	Likely Benign
SCN2A	2	166211025	T	G	1081	S	R	0.133	Likely Benign
SCN2A	2	166211026	G	A	1082	V	I	0.103	Likely Benign
SCN2A	2	166211026	G	C	1082	V	L	0.052	Likely Benign
SCN2A	2	166211026	G	T	1082	V	L	0.052	Likely Benign
SCN2A	2	166211027	T	A	1082	V	E	0.092	Likely Benign
SCN2A	2	166211027	T	C	1082	V	A	0.071	Likely Benign
SCN2A	2	166211027	T	G	1082	V	G	0.063	Likely Benign
SCN2A	2	166211029	G	A	1083	E	K	0.103	Likely Benign
SCN2A	2	166211029	G	C	1083	E	Q	0.128	Likely Benign
SCN2A	2	166211030	A	C	1083	E	A	0.071	Likely Benign
SCN2A	2	166211030	A	G	1083	E	G	0.061	Likely Benign
SCN2A	2	166211030	A	T	1083	E	V	0.141	Likely Benign
SCN2A	2	166211031	A	C	1083	E	D	0.044	Likely Benign
SCN2A	2	166211031	A	T	1083	E	D	0.044	Likely Benign
SCN2A	2	166211032	A	C	1084	K	Q	0.219	Likely Benign
SCN2A	2	166211032	A	G	1084	K	E	0.078	Likely Benign
SCN2A	2	166211033	A	C	1084	K	T	0.197	Likely Benign
SCN2A	2	166211033	A	G	1084	K	R	0.081	Likely Benign
SCN2A	2	166211033	A	T	1084	K	I	0.278	Likely Benign
SCN2A	2	166211034	A	C	1084	K	N	0.082	Likely Benign
SCN2A	2	166211034	A	T	1084	K	N	0.083	Likely Benign
SCN2A	2	166211035	T	A	1085	V	H	0.085	Likely Benign
SCN2A	2	166211035	T	C	1085	V	H	0.057	Likely Benign
SCN2A	2	166211035	T	G	1085	V	D	0.067	Likely Benign
SCN2A	2	166211036	A	C	1085	V	G	0.055	Likely Benign
SCN2A	2	166211036	A	G	1085	V	C	0.106	Likely Benign
SCN2A	2	166211036	A	T	1085	V	F	0.105	Likely Benign
SCN2A	2	166211038	G	A	1086	V	I	0.009	Likely Benign
SCN2A	2	166211038	G	C	1086	V	L	0.02	Likely Benign
SCN2A	2	166211038	G	T	1086	V	F	0.049	Likely Benign
SCN2A	2	166211039	T	A	1086	V	D	0.061	Likely Benign
SCN2A	2	166211039	T	C	1086	V	A	0.026	Likely Benign
SCN2A	2	166211039	T	G	1086	V	G	0.046	Likely Benign
SCN2A	2	166211041	G	A	1087	V	M	0.016	Likely Benign
SCN2A	2	166211041	G	C	1087	V	L	0.034	Likely Benign
SCN2A	2	166211041	G	T	1087	V	L	0.034	Likely Benign
SCN2A	2	166211042	T	A	1087	V	E	0.036	Likely Benign
SCN2A	2	166211042	T	C	1087	V	A	0.048	Likely Benign
SCN2A	2	166211042	T	G	1087	V	G	0.057	Likely Benign
SCN2A	2	166211044	G	A	1088	D	N	0.043	Likely Benign
SCN2A	2	166211044	G	C	1088	D	H	0.293	Likely Benign
SCN2A	2	166211044	G	T	1088	D	Y	0.377	Likely Benign
SCN2A	2	166211045	A	C	1088	D	A	0.135	Likely Benign
SCN2A	2	166211045	A	G	1088	D	G	0.123	Likely Benign
SCN2A	2	166211045	A	T	1088	D	V	0.166	Likely Benign
SCN2A	2	166211046	T	A	1088	D	V	0.044	Likely Benign
SCN2A	2	166211046	T	G	1088	D	E	0.044	Likely Benign
SCN2A	2	166211047	G	A	1089	E	K	0.103	Likely Benign
SCN2A	2	166211047	G	C	1089	E	Q	0.217	Likely Benign
SCN2A	2	166211048	A	C	1089	E	A	0.169	Likely Benign
SCN2A	2	166211048	A	G	1089	E	G	0.153	Likely Benign
SCN2A	2	166211048	A	T	1089	E	V	0.457	Likely Benign
SCN2A	2	166211049	A	C	1089	E	D	0.054	Likely Benign
SCN2A	2	166211049	A	T	1089	E	D	0.055	Likely Benign
SCN2A	2	166211050	A	C	1090	S	R	0.054	Likely Benign
SCN2A	2	166211050	A	G	1090	S	G	0.053	Likely Benign
SCN2A	2	166211050	A	T	1090	S	C	0.098	Likely Benign
SCN2A	2	166211051	G	A	1090	S	N	0.032	Likely Benign
SCN2A	2	166211051	G	C	1090	S	T	0.119	Likely Benign
SCN2A	2	166211051	G	T	1090	S	I	0.064	Likely Benign
SCN2A	2	166211052	T	A	1090	S	R	0.054	Likely Benign
SCN2A	2	166211052	T	G	1090	S	R	0.053	Likely Benign
SCN2A	2	166211053	G	A	1091	D	N	0.22	Likely Benign
SCN2A	2	166211053	G	C	1091	D	H	0.435	Likely Benign
SCN2A	2	166211053	G	T	1091	D	Y	0.482	Likely Benign
SCN2A	2	166211054	A	C	1091	D	A	0.507	Likely Benign
SCN2A	2	166211054	A	G	1091	D	G	0.174	Likely Benign
SCN2A	2	166211054	A

GENE	CHR	DNA_LOC	REF_N	ALT_NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166892698	T	C	1097	I	V	0.040	Likely Benien
SCN1A	2	166892698	T	G	1097	I	L	0.051	Likely Benien
SCN1A	2	166892697	A	C	1097	I	S	0.095	Likely Benien
SCN1A	2	166892697	A	G	1097	I	T	0.062	Likely Benien
SCN1A	2	166892697	A	T	1097	I	N	0.158	Likely Benien
SCN1A	2	166892696	A	C	1097	I	M	0.033	Likely Benien
SCN1A	2	166892695	C	A	1098	D	Y	0.276	Likely Benien
SCN1A	2	166892695	C	G	1098	D	H	0.273	Likely Benien
SCN1A	2	166892695	C	T	1098	D	N	0.045	Likely Benien
SCN1A	2	166892694	T	A	1098	D	V	0.166	Likely Benien
SCN1A	2	166892694	T	C	1098	D	G	0.099	Likely Benien
SCN1A	2	166892694	T	G	1098	D	A	0.119	Likely Benien
SCN1A	2	166892693	A	C	1098	D	E	0.043	Likely Benien
SCN1A	2	166892693	A	T	1098	D	E	0.043	Likely Benien
SCN1A	2	166892692	C	G	1099	E	Q	0.285	Likely Benien
SCN1A	2	166892692	C	T	1099	E	K	0.150	Likely Benien
SCN1A	2	166892691	T	A	1099	E	V	0.289	Likely Benien
SCN1A	2	166892691	T	C	1099	E	G	0.110	Likely Benien
SCN1A	2	166892691	T	G	1099	E	A	0.147	Likely Benien
SCN1A	2	166892690	T	A	1099	E	D	0.058	Likely Benien
SCN1A	2	166892690	T	G	1099	E	G	0.057	Likely Benien
SCN1A	2	166892689	T	A	1100	S	C	0.117	Likely Benien
SCN1A	2	166892689	T	C	1100	S	G	0.061	Likely Benien
SCN1A	2	166892689	T	G	1100	S	R	0.058	Likely Benien
SCN1A	2	166892688	C	A	1100	S	I	0.070	Likely Benien
SCN1A	2	166892688	C	G	1100	S	T	0.118	Likely Benien
SCN1A	2	166892688	C	T	1100	S	N	0.038	Likely Benien
SCN1A	2	166892687	A	C	1100	S	R	0.058	Likely Benien
SCN1A	2	166892687	A	T	1100	S	R	0.055	Likely Benien
SCN1A	2	166892686	C	A	1101	D	Y	0.399	Likely Benien
SCN1A	2	166892686	C	G	1101	D	H	0.244	Likely Benien
SCN1A	2	166892686	C	T	1101	D	N	0.184	Likely Benien
SCN1A	2	166892685	T	A	1101	D	V	0.451	Likely Benien
SCN1A	2	166892685	T	C	1101	D	G	0.181	Likely Benien
SCN1A	2	166892685	T	G	1101	D	A	0.494	Likely Benien
SCN1A	2	166892684	A	C	1101	D	E	0.051	Likely Benien
SCN1A	2	166892684	A	T	1101	D	E	0.051	Likely Benien
SCN1A	2	166892683	A	C	1102	Y	D	0.066	Likely Benien
SCN1A	2	166892683	A	G	1102	Y	H	0.052	Likely Benien
SCN1A	2	166892683	A	T	1102	Y	N	0.075	Likely Benien
SCN1A	2	166892682	T	A	1102	Y	F	0.139	Likely Benien
SCN1A	2	166892682	T	C	1102	Y	C	0.056	Likely Benien
SCN1A	2	166892682	T	G	1102	Y	S	0.051	Likely Benien
SCN1A	2	166892680	T	A	1103	M	L	0.057	Likely Benien
SCN1A	2	166892680	T	C	1103	M	V	0.162	Likely Benien
SCN1A	2	166892680	T	G	1103	M	L	0.056	Likely Benien
SCN1A	2	166892679	A	C	1103	M	R	0.123	Likely Benien
SCN1A	2	166892679	A	G	1103	M	T	0.161	Likely Benien
SCN1A	2	166892679	A	T	1103	M	K	0.165	Likely Benien
SCN1A	2	166892678	C	A	1103	M	I	0.120	Likely Benien
SCN1A	2	166892678	C	G	1103	M	I	0.120	Likely Benien
SCN1A	2	166892678	C	T	1103	M	I	0.121	Likely Benien
SCN1A	2	166892677	A	C	1104	S	A	0.258	Likely Benien
SCN1A	2	166892677	A	G	1104	S	P	0.562	Likely Benien
SCN1A	2	166892677	A	T	1104	S	T	0.103	Likely Benien
SCN1A	2	166892676	G	A	1104	S	L	0.447	Likely Benien
SCN1A	2	166892674	A	C	1105	F	V	0.228	Likely Benien
SCN1A	2	166892674	A	G	1105	F	L	0.116	Likely Benien
SCN1A	2	166892674	A	T	1105	F	I	0.319	Likely Benien
SCN1A	2	166892673	A	C	1105	F	C	0.450	Likely Benien
SCN1A	2	166892673	A	G	1105	F	S	0.572	Likely Benien
SCN1A	2	166892673	A	T	1105	F	Y	0.079	Likely Benien
SCN1A	2	166892672	G	C	1105	F	L	0.118	Likely Benien
SCN1A	2	166892672	G	T	1105	F	L	0.118	Likely Benien
SCN1A	2	166892671	T	A	1106	I	L	0.078	Likely Benien
SCN1A	2	166892671	T	C	1106	I	V	0.086	Likely Benien
SCN1A	2	166892671	T	G	1106	I	L	0.078	Likely Benien
SCN1A	2	166892670	A	C	1106	I	R	0.590	Likely Benien
SCN1A	2	166892670	A	G	1106	I	T	0.197	Likely Benien
SCN1A	2	166892670	A	T	1106	I	K	0.701	Likely Benien
SCN1A	2	166892669	T	C	1106	I	M	0.116	Likely Benien
SCN1A	2	166892668	T	A	1107	N	Y	0.132	Likely Benien
SCN1A	2	166892668	T	C	1107	N	D	0.092	Likely Benien
SCN1A	2	166892668	T	G	1107	N	H	0.018	Likely Benien
SCN1A	2	166892667	T	A	1107	N	I	0.082	Likely Benien
SCN1A	2	166892667	T	C	1107	N	S	0.040	Likely Benien
SCN1A	2	166892667	T	G	1107	N	T	0.035	Likely Benien
SCN1A	2	166892666	G	C	1107	N	K	0.093	Likely Benien
SCN1A	2	166892666	G	T	1107	N	K	0.093	Likely Benien
SCN1A	2	166892665	T	A	1108	N	Y	0.854	Likely Pathoeenic
SCN1A	2	166892665	T	C	1108	N	D	0.114	Likely Benien
SCN1A	2	166892665	T	G	1108	N	H	0.449	Likely Benien
SCN1A	2	166892664	T	A	1108	N	I	0.859	Likely Pathoeenic
SCN1A	2	166892664	T	C	1108	N	S	0.197	Likely Benien
SCN1A	2	166892664	T	G	1108	N	T	0.692	Likely Benien
SCN1A	2	166892663	G	C	1108	N	K	0.335	Likely Benien
SCN1A	2	166892663	G	T	1108	N	K	0.342	Likely Benien
SCN1A	2	166892662	G	A	1109	P	S	0.107	Likely Benien
SCN1A	2	166892662	G	C	1109	P	A	0.209	Likely Benien
SCN1A	2	166892662	G	T	1109	P	T	0.461	Likely Benien
SCN1A	2	166892661	G	A	1109	P	L	0.749	Likely Benien
SCN1A	2	166892661	G	C	1109	P	R	0.720	Likely Benien
SCN1A	2	166892661	G	T	1109	P	H	0.834	Likely Pathoeenic
SCN1A	2	166892659	T	A	1110	S	C	0.590	Likely Benien
SCN1A	2	166892659	T	C	1110	S	G	0.119	Likely Benien
SCN1A	2	166892659	T	G	1110	S	R	0.232	Likely Benien
SCN1A	2	166892658	C	A	1110	S	I	0.378	Likely Benien
SCN1A	2	166892658	C	G	1110	S	T	0.171	Likely Benien
SCN1A	2	166892658	C	T	1110	S	N	0.062	Likely Benien
SCN1A	2	166892657	A	C	1110	S	R	0.192	Likely Benien
SCN1A	2	166892657	A	T	1110	S	R	0.192	Likely Benien
SCN1A	2	166892656	G	A	1111	L	F	0.182	Likely Benien
SCN1A	2	166892656	G	C	1111	L	V	0.076	Likely Benien
SCN1A	2	166892656	G	T	1111	L	I	0.255	Likely Benien
SCN1A	2	166892655	A	C	1111	L	R	0.557	Likely Benien
SCN1A	2	166892655	A	G	1111	L	P	0.468	Likely Benien
SCN1A	2	166892655	A	T	1111	L	H	0.648	Likely Benien
SCN1A	2	166892653	T	A	1112	T	S	0.073	Likely Benien
SCN1A	2	166892653	T	C	1112	T	A	0.206	Likely Benien
SCN1A	2	166892653	T	G	1112	T	P	0.139	Likely Benien
SCN1A	2	166892652	G	A	1112	T	I	0.447	Likely Benien
SCN1A	2	166892652	G	C	1112	T	S	0.075	Likely Benien
SCN1A	2	166892652	G	T	1112	T	N	0.225	Likely Benien
SCN1A	2	166892650	C	A	1113	V	L	0.086	Likely Benien
SCN1A	2	166892650	C	G	1113	V	L	0.085	Likely Benien
SCN1A	2	166892650	C	T	1113	V	M	0.333	Likely Benien
SCN1A	2	166892649	A	C	1113	V	G	0.806	Likely Pathoeenic
SCN1A	2	166892649	A	G	1113	V	A	0.237	Likely Benien
SCN1A	2	166892649	A	T	1113	V	E	0.217	Likely Benien
SCN1A	2	166892647	T	A	1114	T	S	0.046	Likely Benien
SCN1A	2	166892647	T	C	1114	T	A	0.085	Likely Benien
SCN1A	2	166892647	T	G	1114	T	P	0.358	Likely Benien
SCN1A	2	166892646	G	A	1114	T	I	0.205	Likely Benien
SCN1A	2	166892646	G	C	1114	T	S	0.048	Likely Benien
SCN1A	2	166892646	G	T	1114	T	N	0.064	Likely Benien
SCN1A	2	166892644	C	A	1115	V	L	0.596	Likely Benien
SCN1A	2	166892644	C	G	1115	V	L	0.576	Likely Benien
SCN1A	2	166892644	C	T	1115	V	I	0.331	Likely Benien
SCN1A	2	166892643	A	C	1115	V	G	0.789	Likely Pathoeenic
SCN1A	2	166892643	A	G	1115	V	A	0.250	Likely Benien
SCN1A	2	166892643	A	T	1115	V	E	0.812	Likely Pathoeenic
SCN1A	2	166892641	G	A	1116	P	S	0.913	Likely Pathoeenic
SCN1A	2	166892641	G	C	1116	P	A	0.961	Likely Pathoeenic
SCN1A	2	166892641	G	T	1116	P	T	0.965	Likely Pathoeenic
SCN1A	2	166892640	G	A	1116	P	L	0.948	Likely Pathoeenic
SCN1A	2	166892640	G	C	1116	P	R	0.964	Likely Pathoeenic
SCN1A	2	166892640	G	T	1116	P	Q	0.957	Likely Pathoeenic
SCN1A	2	166892638	T	A	1117	I	F	0.891	Likely Pathoeenic
SCN1A	2	166892638	T	C	1117	I	V	0.860	Likely Pathoeenic
SCN1A	2	166892638	T	G	1117	I	L	0.552	Likely Benien
SCN1A	2	166892637	A	C	1117	I	S	0.932	Likely Pathoeenic
SCN1A	2	166892637	A	G	1117	I	T	0.936	Likely Pathoeenic
SCN1A	2	166892637	A	T	1117	I	N	0.955	Likely Pathoeenic
SCN1A	2	166892636	A	C	1117	I	M	0.730	Likely Benien
SCN1A	2	166892635	C	A	1118	A	S	0.905	Likely Pathoeenic
SCN1A	2	166892635	C	G	1118	A	P	0.946	Likely Pathoeenic
SCN1A	2	166892635	C	T	1118	A	T	0.942	Likely Pathoeenic
SCN1A	2	166892634	G	A	1118	A	V	0.883	Likely Pathoeenic
SCN1A	2	166892634	G	C	1118	A	G	0.902	Likely Pathoeenic
SCN1A	2	166892634	G	T	1118	A	D	0.926	Likely Pathoeenic
SCN1A	2	166892632	C	A	1119	V	L	0.059	Likely Benien
SCN1A	2	166892632	C	G	1119	V	L	0.059	Likely Benien
SCN1A	2	166892632	C	T	1119	V	I	0.147	Likely Benien
SCN1A	2	166892631	A	C	1119	V	G	0.278	Likely Benien
SCN1A	2	166892631	A	G	1119	V	A	0.061	Likely Benien
SCN1A	2	166892631	A	T	1119	V	E	0.066	Likely Benien
SCN1A	2	166892629	C	G	1120	G	R	0.676	Likely Benien
SCN1A	2	166892629	C	T	1120	G	R	0.680	Likely Benien
SCN1A	2	166892628	C	A	1120	G	V	0.148	Likely Benien
SCN1A	2	166892628	C	G	1120	G	A	0.062	Likely Benien
SCN1A	2	166892628	C	T	1120	G	E	0.068	Likely Benien
SCN1A	2	166892626	C	G	1121	E	Q	0.881	Likely Pathoeenic
SCN1A	2	166892626	C	T	1121	E	K	0.854	Likely Pathoeenic
SCN1A	2	166892625	T	A	1121	E	V	0.895	Likely Pathoeenic
SCN1A	2	166892625	T	C	1121	E	G	0.662	Likely Benien
SCN1A	2	166892625	T	G	1121	E	A	0.888	Likely Pathoeenic
SCN1A	2	166892624	T	A	1121	E	D	0.160	Likely Benien
SCN1A	2	166892624	T	G	1121	E	D	0.155	Likely Benien
SCN1A	2	166892623	A	C	1122	S	A	0.628	Likely Benien
SCN1A	2	166892623	A	G	1122	S	P	0.696	Likely Benien
SCN1A	2	166892623	A	T	1122	S	T	0.783	Likely Pathoeenic
SCN1A	2	166892622	G	A	1122	S	F	0.938	Likely Pathoeenic
SCN1A	2	166892622	G	C	1122	S	C	0.889	Likely Pathoeenic
SCN1A	2	166892622	G	T	1122	S	Y	0.939	Likely Pathoeenic
SCN1A	2	166892620	C	A	1123	D	Y	0.970	Likely Pathoeenic
SCN1A	2	166892620	C	G	1123	D	H	0.968	Likely Pathoeenic
SCN1A	2	166892620	C	T	1123	D	N	0.964	Likely Pathoeenic
SCN1A	2	166892619	T	A	1123	D	V	0.960	Likely Pathoeenic
SCN1A	2	166892619	T	C	1123	D	G	0.940	Likely Pathoeenic
SCN1A	2	166892619	T	G	1123	D	A	0.957	Likely Pathoeenic
SCN1A	2	166892618	G	C	1123	D	E	0.760	Likely Benien
SCN1A	2	166892618	G	T	1123	D	E	0.754	Likely Benien
SCN1A	2	166892617	A	C	1124	F	V	0.090	Likely Benien
SCN1A	2	166892617	A	G	1124	F	L	0.047	Likely Benien
SCN1A	2	166892617	A	T	1124	F	I	0.074	Likely Benien
SCN1A	2	166892616	A	C	1124	F	C	0.656	Likely Benien
SCN1A	2	166892616	A	G	1124	F	S	0.154	Likely Benien

GENE	CHR	DNA_LOC	REF_N	ALT_NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166211061	G	C	1093	M	I	0.133	Likely Benign
SCN2A	2	166211061	G	T	1093	M	I	0.133	Likely Benign
SCN2A	2	166211062	T	A	1094	S	T	0.085	Likely Benign
SCN2A	2	166211062	T	C	1094	S	P	0.316	Likely Benign
SCN2A	2	166211062	T	G	1094	S	A	0.215	Likely Benign
SCN2A	2	166211063	C	T	1094	S	L	0.315	Likely Benign
SCN2A	2	166211065	T	A	1095	F	I	0.12	Likely Benign
SCN2A	2	166211065	T	C	1095	F	L	0.062	Likely Benign
SCN2A	2	166211065	T	G	1095	F	V	0.091	Likely Benign
SCN2A	2	166211066	T	A	1095	F	Y	0.07	Likely Benign
SCN2A	2	166211066	T	C	1095	F	S	0.435	Likely Benign
SCN2A	2	166211066	T	G	1095	F	C	0.31	Likely Benign
SCN2A	2	166211067	T	A	1095	F	L	0.062	Likely Benign
SCN2A	2	166211067	T	G	1095	F	L	0.062	Likely Benign
SCN2A	2	166211068	A	C	1096	I	L	0.07	Likely Benign
SCN2A	2	166211068	A	G	1096	I	V	0.057	Likely Benign
SCN2A	2	166211068	A	T	1096	I	L	0.07	Likely Benign
SCN2A	2	166211069	T	A	1096	I	K	0.774	Likely Benign
SCN2A	2	166211069	T	C	1096	I	T	0.152	Likely Benign
SCN2A	2	166211069	T	G	1096	I	R	0.764	Likely Benign
SCN2A	2	166211070	A	G	1096	I	M	0.119	Likely Benign
SCN2A	2	166211071	A	C	1097	N	H	0.022	Likely Benign
SCN2A	2	166211071	A	G	1097	N	D	0.142	Likely Benign
SCN2A	2	166211071	A	T	1097	N	Y	0.282	Likely Benign
SCN2A	2	166211072	A	C	1097	N	T	0.043	Likely Benign
SCN2A	2	166211072	A	G	1097	N	S	0.051	Likely Benign
SCN2A	2	166211072	A	T	1097	N	I	0.123	Likely Benign
SCN2A	2	166211073	C	A	1097	N	K	0.144	Likely Benign
SCN2A	2	166211073	C	G	1097	N	K	0.144	Likely Benign
SCN2A	2	166211074	A	C	1098	N	H	0.359	Likely Benign
SCN2A	2	166211074	A	G	1098	N	D	0.098	Likely Benign
SCN2A	2	166211074	A	T	1098	N	Y	0.769	Likely Benign
SCN2A	2	166211075	A	C	1098	N	T	0.717	Likely Benign
SCN2A	2	166211075	A	G	1098	N	S	0.112	Likely Benign
SCN2A	2	166211075	A	T	1098	N	I	0.495	Likely Benign
SCN2A	2	166211076	C	A	1098	N	K	0.24	Likely Benign
SCN2A	2	166211076	C	G	1098	N	K	0.24	Likely Benign
SCN2A	2	166211077	C	A	1099	P	T	0.359	Likely Benign
SCN2A	2	166211077	C	G	1099	P	A	0.13	Likely Benign
SCN2A	2	166211077	C	T	1099	P	S	0.072	Likely Benign
SCN2A	2	166211078	C	A	1099	P	H	0.694	Likely Benign
SCN2A	2	166211078	C	G	1099	P	R	0.648	Likely Benign
SCN2A	2	166211078	C	T	1099	P	L	0.788	Likely Pathogenic
SCN2A	2	166211080	C	T	1100	S	R	0.169	Likely Benign
SCN2A	2	166211080	A	G	1100	S	G	0.085	Likely Benign
SCN2A	2	166211080	A	T	1100	S	C	0.337	Likely Benign
SCN2A	2	166211081	G	A	1100	S	N	0.05	Likely Benign
SCN2A	2	166211081	G	C	1100	S	T	0.134	Likely Benign
SCN2A	2	166211081	G	T	1100	S	I	0.26	Likely Benign
SCN2A	2	166211082	C	A	1100	S	R	0.167	Likely Benign
SCN2A	2	166211082	C	G	1100	S	R	0.16	Likely Benign
SCN2A	2	166211083	C	A	1101	L	I	0.191	Likely Benign
SCN2A	2	166211083	C	G	1101	L	V	0.061	Likely Benign
SCN2A	2	166211083	C	T	1101	L	F	0.203	Likely Benign
SCN2A	2	166211084	T	A	1101	L	H	0.615	Likely Benign
SCN2A	2	166211084	T	C	1101	L	P	0.526	Likely Benign
SCN2A	2	166211084	T	G	1101	L	R	0.518	Likely Benign
SCN2A	2	166211086	A	C	1102	T	P	0.154	Likely Benign
SCN2A	2	166211086	A	G	1102	T	A	0.234	Likely Benign
SCN2A	2	166211086	A	T	1102	T	S	0.097	Likely Benign
SCN2A	2	166211087	C	A	1102	T	N	0.28	Likely Benign
SCN2A	2	166211087	C	G	1102	T	S	0.096	Likely Benign
SCN2A	2	166211087	C	T	1102	T	I	0.434	Likely Benign
SCN2A	2	166211089	G	A	1103	V	M	0.267	Likely Benign
SCN2A	2	166211089	G	C	1103	V	L	0.056	Likely Benign
SCN2A	2	166211089	G	T	1103	V	L	0.056	Likely Benign
SCN2A	2	166211090	T	A	1103	V	E	0.145	Likely Benign
SCN2A	2	166211090	T	C	1103	V	A	0.164	Likely Benign
SCN2A	2	166211090	T	G	1103	V	G	0.506	Likely Benign
SCN2A	2	166211092	A	C	1104	T	P	0.227	Likely Benign
SCN2A	2	166211092	A	G	1104	T	A	0.08	Likely Benign
SCN2A	2	166211092	A	T	1104	T	S	0.048	Likely Benign
SCN2A	2	166211093	C	A	1104	T	K	0.139	Likely Benign
SCN2A	2	166211093	C	G	1104	T	R	0.068	Likely Benign
SCN2A	2	166211093	C	T	1104	T	I	0.179	Likely Benign
SCN2A	2	166211095	G	A	1105	V	I	0.315	Likely Benign
SCN2A	2	166211095	G	C	1105	V	L	0.281	Likely Benign
SCN2A	2	166211095	G	T	1105	V	L	0.286	Likely Benign
SCN2A	2	166211096	T	A	1105	V	E	0.52	Likely Benign
SCN2A	2	166211096	T	C	1105	V	A	0.203	Likely Benign
SCN2A	2	166211096	T	G	1105	V	G	0.53	Likely Benign
SCN2A	2	166211098	A	C	1106	P	T	0.825	Likely Pathogenic
SCN2A	2	166211098	C	G	1106	P	A	0.746	Likely Benign
SCN2A	2	166211098	C	T	1106	P	S	0.568	Likely Benign
SCN2A	2	166211099	C	A	1106	P	Q	0.744	Likely Benign
SCN2A	2	166211099	C	G	1106	P	R	0.569	Likely Benign
SCN2A	2	166211099	C	T	1106	P	L	0.714	Likely Benign
SCN2A	2	166211101	A	C	1107	I	L	0.826	Likely Pathogenic
SCN2A	2	166211101	A	G	1107	I	V	0.492	Likely Benign
SCN2A	2	166211101	A	T	1107	I	F	0.843	Likely Pathogenic
SCN2A	2	166211102	A	C	1107	I	N	0.932	Likely Pathogenic
SCN2A	2	166211102	T	C	1107	I	T	0.762	Likely Benign
SCN2A	2	166211102	T	G	1107	I	S	0.886	Likely Pathogenic
SCN2A	2	166211103	T	A	1107	I	M	0.685	Likely Benign
SCN2A	2	166211104	G	A	1108	A	T	0.73	Likely Benign
SCN2A	2	166211104	G	C	1108	A	P	0.881	Likely Pathogenic
SCN2A	2	166211104	G	T	1108	A	S	0.738	Likely Benign
SCN2A	2	166211105	C	A	1108	A	D	0.737	Likely Benign
SCN2A	2	166211105	C	G	1108	A	G	0.69	Likely Benign
SCN2A	2	166211105	C	T	1108	A	V	0.631	Likely Benign
SCN2A	2	166211107	A	G	1109	V	I	0.179	Likely Benign
SCN2A	2	166211107	G	C	1109	V	L	0.052	Likely Benign
SCN2A	2	166211107	G	T	1109	V	F	0.224	Likely Benign
SCN2A	2	166211108	A	G	1109	V	D	0.141	Likely Benign
SCN2A	2	166211108	T	C	1109	V	A	0.102	Likely Benign
SCN2A	2	166211108	T	G	1109	V	G	0.24	Likely Benign
SCN2A	2	166211110	G	A	1110	G	R	0.47	Likely Benign
SCN2A	2	166211110	G	C	1110	G	R	0.467	Likely Benign
SCN2A	2	166211111	G	A	1110	G	E	0.059	Likely Benign
SCN2A	2	166211111	G	C	1110	G	A	0.077	Likely Benign
SCN2A	2	166211111	G	T	1110	G	V	0.114	Likely Benign
SCN2A	2	166211113	G	A	1111	E	K	0.755	Likely Benign
SCN2A	2	166211113	G	C	1111	E	Q	0.707	Likely Benign
SCN2A	2	166211113	G	T	1111	E	A	0.652	Likely Benign
SCN2A	2	166211114	A	G	1111	E	G	0.463	Likely Benign
SCN2A	2	166211114	A	T	1111	E	V	0.751	Likely Benign
SCN2A	2	166211115	A	C	1111	E	D	0.365	Likely Benign
SCN2A	2	166211115	A	T	1111	E	D	0.365	Likely Benign
SCN2A	2	166211116	T	A	1112	S	T	0.558	Likely Benign
SCN2A	2	166211116	T	C	1112	S	P	0.365	Likely Benign
SCN2A	2	166211116	T	G	1112	S	A	0.468	Likely Benign
SCN2A	2	166211117	C	A	1112	S	Y	0.85	Likely Pathogenic
SCN2A	2	166211117	C	G	1112	S	C	0.734	Likely Benign
SCN2A	2	166211117	C	T	1112	S	F	0.843	Likely Pathogenic
SCN2A	2	166211119	G	A	1113	D	N	0.944	Likely Pathogenic
SCN2A	2	166211119	G	C	1113	D	H	0.928	Likely Pathogenic
SCN2A	2	166211119	G	T	1113	D	Y	0.941	Likely Pathogenic
SCN2A	2	166211120	A	C	1113	D	A	0.884	Likely Pathogenic
SCN2A	2	166211120	A	G	1113	D	G	0.905	Likely Pathogenic
SCN2A	2	166211120	A	T	1113	D	V	0.934	Likely Pathogenic
SCN2A	2	166211121	C	A	1113	D	E	0.427	Likely Benign
SCN2A	2	166211121	C	G	1113	D	E	0.413	Likely Benign
SCN2A	2	166211122	T	A	1114	F	I	0.074	Likely Benign
SCN2A	2	166211122	T	C	1114	F	L	0.044	Likely Benign
SCN2A	2	166211122	T	G	1114	F	V	0.073	Likely Benign
SCN2A	2	166211123	T	A	1114	F	Y	0.363	Likely Benign
SCN2A	2	166211123	T	C	1114	F	S	0.202	Likely Benign
SCN2A	2	166211123	T	G	1114	F	C	0.434	Likely Benign
SCN2A	2	166211124	A	C	1114	F	L	0.043	Likely Benign
SCN2A	2	166211124	T	G	1114	F	L	0.043	Likely Benign
SCN2A	2	166211125	G	A	1115	E	K	0.624	Likely Benign
SCN2A	2	166211125	G	C	1115	E	Q	0.725	Likely Benign
SCN2A	2	166211126	A	C	1115	E	A	0.619	Likely Benign
SCN2A	2	166211126	A	G	1115	E	G	0.728	Likely Benign
SCN2A	2	166211126	A	T	1115	E	V	0.885	Likely Pathogenic
SCN2A	2	166211127	A	C	1115	E	D	0.131	Likely Benign
SCN2A	2	166211127	A	T	1115	E	D	0.133	Likely Benign
SCN2A	2	166211128	A	C	1116	N	H	0.199	Likely Benign
SCN2A	2	166211128	A	G	1116	N	D	0.061	Likely Benign
SCN2A	2	166211128	A	T	1116	N	Y	0.313	Likely Benign
SCN2A	2	166211129	A	C	1116	N	T	0.26	Likely Benign
SCN2A	2	166211129	A	G	1116	N	S	0.17	Likely Benign
SCN2A	2	166211129	A	T	1116	N	I	0.13	Likely Benign
SCN2A	2	166211130	T	A	1116	N	K	0.39	Likely Benign
SCN2A	2	166211130	T	G	1116	N	K	0.361	Likely Benign
SCN2A	2	166211131	T	A	1117	L	I	0.139	Likely Benign
SCN2A	2	166211131	T	G	1117	L	V	0.054	Likely Benign
SCN2A	2	166211132	T	A	1117	L	S	0.172	Likely Benign
SCN2A	2	166211133	A	C	1117	L	F	0.146	Likely Benign
SCN2A	2	166211133	A	T	1117	L	F	0.147	Likely Benign
SCN2A	2	166211134	A	C	1118	N	H	0.123	Likely Benign
SCN2A	2	166211134	A	G	1118	N	D	0.05	Likely Benign
SCN2A	2	166211134	A	T	1118	N	Y	0.44	Likely Benign
SCN2A	2	166211135	A	C	1118	N	T	0.099	Likely Benign
SCN2A	2	166211135	A	G	1118	N	S	0.157	Likely Benign
SCN2A	2	166211135	A	T	1118	N	I	0.358	Likely Benign
SCN2A	2	166211136	T	A	1118	N	K	0.143	Likely Benign
SCN2A	2

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166892616	A	T	1124	F	Y	0.345	Likely Benign
SCN1A	2	166892615	A	C	1124	F	L	0.045	Likely Benign
SCN1A	2	166892615	A	T	1124	F	L	0.043	Likely Benign
SCN1A	2	166892614	C	G	1125	E	Q	0.816	Likely Pathogenic
SCN1A	2	166892614	C	T	1125	E	K	0.719	Likely Benign
SCN1A	2	166892613	T	A	1125	E	V	0.872	Likely Pathogenic
SCN1A	2	166892613	T	C	1125	E	G	0.916	Likely Pathogenic
SCN1A	2	166892613	T	G	1125	E	A	0.805	Likely Pathogenic
SCN1A	2	166892612	T	A	1125	E	D	0.142	Likely Benign
SCN1A	2	166892612	T	G	1125	E	D	0.142	Likely Benign
SCN1A	2	166892611	T	A	1126	N	D	0.206	Likely Benign
SCN1A	2	166892611	T	C	1126	N	D	0.067	Likely Benign
SCN1A	2	166892611	T	G	1126	N	H	0.193	Likely Benign
SCN1A	2	166892610	T	A	1126	N	I	0.082	Likely Benign
SCN1A	2	166892610	T	C	1126	N	S	0.152	Likely Benign
SCN1A	2	166892610	T	G	1126	N	T	0.197	Likely Benign
SCN1A	2	166892609	A	C	1126	N	K	0.279	Likely Benign
SCN1A	2	166892609	A	T	1126	N	K	0.286	Likely Benign
SCN1A	2	166892608	A	C	1127	L	V	0.057	Likely Benign
SCN1A	2	166892608	A	T	1127	L	I	0.132	Likely Benign
SCN1A	2	166892607	A	G	1127	L	S	0.161	Likely Benign
SCN1A	2	166892606	T	A	1127	L	F	0.129	Likely Benign
SCN1A	2	166892606	T	G	1127	L	F	0.130	Likely Benign
SCN1A	2	166892605	T	A	1128	N	Y	0.482	Likely Benign
SCN1A	2	166892605	T	C	1128	N	D	0.062	Likely Benign
SCN1A	2	166892605	T	G	1128	N	H	0.331	Likely Benign
SCN1A	2	166892604	T	A	1128	N	I	0.410	Likely Benign
SCN1A	2	166892604	T	C	1128	N	S	0.224	Likely Benign
SCN1A	2	166892604	T	G	1128	N	T	0.103	Likely Benign
SCN1A	2	166892603	G	C	1128	N	K	0.160	Likely Benign
SCN1A	2	166892603	G	T	1128	N	K	0.163	Likely Benign
SCN1A	2	166892602	T	A	1129	T	S	0.060	Likely Benign
SCN1A	2	166892602	T	C	1129	T	A	0.092	Likely Benign
SCN1A	2	166892602	T	G	1129	T	P	0.301	Likely Benign
SCN1A	2	166892601	G	A	1129	T	M	0.180	Likely Benign
SCN1A	2	166892601	G	C	1129	T	R	0.229	Likely Benign
SCN1A	2	166892601	G	T	1129	T	K	0.284	Likely Benign
SCN1A	2	166892599	C	G	1130	E	Q	0.591	Likely Benign
SCN1A	2	166892599	C	T	1130	E	K	0.300	Likely Benign
SCN1A	2	166892598	T	A	1130	E	V	0.503	Likely Benign
SCN1A	2	166892598	T	C	1130	E	G	0.665	Likely Benign
SCN1A	2	166892598	T	G	1130	E	A	0.451	Likely Benign
SCN1A	2	166892597	T	A	1130	E	D	0.094	Likely Benign
SCN1A	2	166892597	T	G	1130	E	D	0.094	Likely Benign
SCN1A	2	166892596	C	A	1131	D	Y	0.553	Likely Benign
SCN1A	2	166892596	C	G	1131	D	H	0.436	Likely Benign
SCN1A	2	166892596	C	T	1131	D	N	0.370	Likely Benign
SCN1A	2	166892595	T	A	1131	D	V	0.548	Likely Benign
SCN1A	2	166892595	T	C	1131	D	G	0.175	Likely Benign
SCN1A	2	166892595	T	G	1131	D	A	0.542	Likely Benign
SCN1A	2	166892594	G	C	1131	D	E	0.026	Likely Benign
SCN1A	2	166892594	G	T	1131	D	E	0.026	Likely Benign
SCN1A	2	166892593	A	C	1132	F	V	0.110	Likely Benign
SCN1A	2	166892593	A	G	1132	F	L	0.050	Likely Benign
SCN1A	2	166892593	A	T	1132	F	I	0.056	Likely Benign
SCN1A	2	166892592	A	C	1132	F	C	0.201	Likely Benign
SCN1A	2	166892592	A	G	1132	F	S	0.065	Likely Benign
SCN1A	2	166892592	A	T	1132	F	Y	0.105	Likely Benign
SCN1A	2	166892591	A	C	1132	F	L	0.046	Likely Benign
SCN1A	2	166892591	A	T	1132	F	L	0.046	Likely Benign
SCN1A	2	166892590	T	A	1133	S	C	0.698	Likely Benign
SCN1A	2	166892590	T	C	1133	S	G	0.371	Likely Benign
SCN1A	2	166892590	T	G	1133	S	R	0.352	Likely Benign
SCN1A	2	166892589	C	A	1133	S	I	0.739	Likely Benign
SCN1A	2	166892589	C	G	1133	S	T	0.173	Likely Benign
SCN1A	2	166892589	C	T	1133	S	N	0.205	Likely Benign
SCN1A	2	166892588	A	C	1133	S	R	0.249	Likely Benign
SCN1A	2	166892588	A	T	1133	S	R	0.250	Likely Benign
SCN1A	2	166892587	T	A	1134	S	C	0.459	Likely Benign
SCN1A	2	166892587	T	C	1134	S	G	0.225	Likely Benign
SCN1A	2	166892587	T	G	1134	S	R	0.574	Likely Benign
SCN1A	2	166892586	C	A	1134	S	I	0.573	Likely Benign
SCN1A	2	166892586	C	G	1134	S	T	0.085	Likely Benign
SCN1A	2	166892586	C	T	1134	S	N	0.328	Likely Benign
SCN1A	2	166892585	A	C	1134	S	R	0.592	Likely Benign
SCN1A	2	166892585	A	T	1134	S	R	0.597	Likely Benign
SCN1A	2	166892584	C	G	1135	E	Q	0.159	Likely Benign
SCN1A	2	166892584	C	T	1135	E	K	0.066	Likely Benign
SCN1A	2	166892583	T	A	1135	E	V	0.161	Likely Benign
SCN1A	2	166892583	T	C	1135	E	G	0.165	Likely Benign
SCN1A	2	166892583	T	G	1135	E	A	0.084	Likely Benign
SCN1A	2	166892582	T	A	1135	E	D	0.046	Likely Benign
SCN1A	2	166892582	T	G	1135	E	D	0.045	Likely Benign
SCN1A	2	166892581	A	C	1136	S	A	0.236	Likely Benign
SCN1A	2	166892581	A	G	1136	S	P	0.561	Likely Benign
SCN1A	2	166892581	A	T	1136	S	T	0.126	Likely Benign
SCN1A	2	166892580	G	A	1136	S	L	0.417	Likely Benign
SCN1A	2	166892580	G	C	1136	S	W	0.763	Likely Benign
SCN1A	2	166892578	C	A	1137	D	Y	0.553	Likely Benign
SCN1A	2	166892578	C	G	1137	D	H	0.309	Likely Benign
SCN1A	2	166892578	C	T	1137	D	N	0.140	Likely Benign
SCN1A	2	166892577	T	A	1137	D	V	0.282	Likely Benign
SCN1A	2	166892577	T	C	1137	D	G	0.078	Likely Benign
SCN1A	2	166892577	T	G	1137	D	A	0.151	Likely Benign
SCN1A	2	166892576	A	C	1137	D	E	0.040	Likely Benign
SCN1A	2	166892576	A	T	1137	D	E	0.041	Likely Benign
SCN1A	2	166892575	G	C	1138	L	V	0.030	Likely Benign
SCN1A	2	166892575	G	T	1138	L	M	0.036	Likely Benign
SCN1A	2	166892574	A	C	1138	L	R	0.076	Likely Benign
SCN1A	2	166892574	A	G	1138	L	P	0.066	Likely Benign
SCN1A	2	166892574	A	T	1138	L	Q	0.119	Likely Benign
SCN1A	2	166892572	C	G	1139	E	Q	0.329	Likely Benign
SCN1A	2	166892572	C	T	1139	E	K	0.183	Likely Benign
SCN1A	2	166892571	T	A	1139	E	V	0.481	Likely Benign
SCN1A	2	166892571	T	C	1139	E	G	0.137	Likely Benign
SCN1A	2	166892571	T	G	1139	E	A	0.216	Likely Benign
SCN1A	2	166892570	T	A	1139	E	D	0.062	Likely Benign
SCN1A	2	166892570	T	G	1139	E	D	0.062	Likely Benign
SCN1A	2	166892569	C	G	1140	E	Q	0.125	Likely Benign
SCN1A	2	166892569	C	T	1140	E	K	0.076	Likely Benign
SCN1A	2	166892568	T	A	1140	E	V	0.139	Likely Benign
SCN1A	2	166892568	T	C	1140	E	G	0.052	Likely Benign
SCN1A	2	166892568	T	G	1140	E	A	0.072	Likely Benign
SCN1A	2	166892567	A	T	1140	E	D	0.056	Likely Benign
SCN1A	2	166892567	T	G	1140	E	D	0.056	Likely Benign
SCN1A	2	166892566	T	A	1141	S	C	0.426	Likely Benign
SCN1A	2	166892566	T	C	1141	S	G	0.165	Likely Benign
SCN1A	2	166892566	T	G	1141	S	R	0.260	Likely Benign
SCN1A	2	166892565	C	A	1141	S	I	0.324	Likely Benign
SCN1A	2	166892565	C	G	1141	S	T	0.099	Likely Benign
SCN1A	2	166892565	C	T	1141	S	N	0.244	Likely Benign
SCN1A	2	166892564	G	C	1141	S	R	0.293	Likely Benign
SCN1A	2	166892564	G	T	1141	S	R	0.293	Likely Benign
SCN1A	2	166892563	T	C	1142	K	E	0.099	Likely Benign
SCN1A	2	166892563	T	G	1142	K	Q	0.269	Likely Benign
SCN1A	2	166892562	T	A	1142	K	I	0.715	Likely Benign
SCN1A	2	166892562	T	C	1142	K	R	0.207	Likely Benign
SCN1A	2	166892562	T	G	1142	K	T	0.450	Likely Benign
SCN1A	2	166892561	T	A	1142	K	N	0.116	Likely Benign
SCN1A	2	166892561	T	G	1142	K	N	0.123	Likely Benign
SCN1A	2	166892560	C	G	1143	E	Q	0.088	Likely Benign
SCN1A	2	166892560	C	T	1143	E	K	0.088	Likely Benign
SCN1A	2	166892559	A	C	1143	E	V	0.090	Likely Benign
SCN1A	2	166892559	T	C	1143	E	G	0.086	Likely Benign
SCN1A	2	166892559	T	G	1143	E	A	0.122	Likely Benign
SCN1A	2	166892558	C	A	1143	E	D	0.095	Likely Benign
SCN1A	2	166892558	C	G	1143	E	D	0.094	Likely Benign
SCN1A	2	166892236	T	A	1144	K	I	0.355	Likely Benign
SCN1A	2	166892236	T	C	1144	K	R	0.062	Likely Benign
SCN1A	2	166892236	T	G	1144	K	T	0.213	Likely Benign
SCN1A	2	166892235	T	A	1144	K	N	0.071	Likely Benign
SCN1A	2	166892235	T	G	1144	K	N	0.069	Likely Benign
SCN1A	2	166892234	G	C	1145	L	V	0.067	Likely Benign
SCN1A	2	166892234	G	T	1145	L	M	0.189	Likely Benign
SCN1A	2	166892233	A	C	1145	L	R	0.277	Likely Benign
SCN1A	2	166892233	A	G	1145	L	P	0.463	Likely Benign
SCN1A	2	166892233	A	T	1145	L	Q	0.236	Likely Benign
SCN1A	2	166892231	T	A	1146	N	Y	0.268	Likely Benign
SCN1A	2	166892231	T	C	1146	N	D	0.037	Likely Benign
SCN1A	2	166892231	T	G	1146	N	H	0.064	Likely Benign
SCN1A	2	166892230	T	A	1146	N	I	0.108	Likely Benign
SCN1A	2	166892230	T	C	1146	N	S	0.051	Likely Benign
SCN1A	2	166892230	T	G	1146	N	T	0.082	Likely Benign
SCN1A	2	166892229	A	C	1146	N	K	0.053	Likely Benign
SCN1A	2	166892229	A	T	1146	N	K	0.053	Likely Benign
SCN1A	2	166892228	C	G	1147	E	Q	0.028	Likely Benign
SCN1A	2	166892228	C	T	1147	E	K	0.031	Likely Benign
SCN1A	2	166892227	A	T	1147	E	V	0.026	Likely Benign
SCN1A	2	166892227	T	C	1147	E	G	0.019	Likely Benign
SCN1A	2	166892227	T	G	1147	E	A	0.013	Likely Benign
SCN1A	2	166892226	T	A	1147	E	D	0.011	Likely Benign
SCN1A	2	166892226	T	G	1147	E	D	0.011	Likely Benign
SCN1A	2	166892225	T	A	1148	S	C	0.121	Likely Benign
SCN1A	2	166892225	T	C	1148	S	G	0.055	Likely Benign
SCN1A	2	166892225	T	G	1148	S	R	0.116	Likely Benign
SCN1A	2	166892224	C	A	1148	S	I	0.067	Likely Benign
SCN1A	2	166892224	C	G	1148	S	T	0.034	Likely Benign
SCN1A	2	166892224	C	T	1148	S	N	0.151	Likely Benign
SCN1A	2	166892223	G	C	1148	S	R	0.104	Likely Benign
SCN1A	2	166892223	G	T	1148	S	R	0.104	Likely Benign
SCN1A	2	166892222	T	A	1149	S	C	0.414	Likely Benign
SCN1A	2	166892222	T	C	1149	S	G	0.097	Likely Benign
SCN1A	2	166892222	T	G	1149	S	R	0.452	Likely Benign
SCN1A	2	166892221	A	C	1149	S	I	0.129	Likely Benign
SCN1A	2	166892221	C	G	1149	S	T	0.090	Likely Benign
SCN1A	2	166892221	C	T	1149	S	N	0.105	Likely Benign
SCN1A	2	166892220	A	C	1149	S	R	0.227	Likely Benign
SCN1A	2	166892220	A	T	1149	S	R	0.227	Likely Benign
SCN1A	2	166892219	T	A	1150	S	C	0.710	Likely Benign
SCN1A	2	166892219	T	G	1150	S	G	0.110	Likely Benign
SCN1A	2	166892219	T	G	1150	S	R	0.727	Likely Benign
SCN1A	2	166892218	C	A	1150	S	I	0.681	Likely Benign
SCN1A	2	166892218	C	G	1150	S	T	0.261	Likely Benign
SCN1A	2	166892218	C	T	1150	S	N	0.229	Likely Benign
SCN1A	2	166892217	G	C	1150	S	R	0.573	Likely Benign
SCN1A	2	166892217	G	T	1150	S	R	0.573	Likely Benign
SCN1A	2	166892216	A	C	1151	S	A	0.340	Likely Benign

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166211145	A	T	1121	E	D	0.02	Likely Benign
SCN2A	2	166211146	C	A	1122	F	L	0.088	Likely Benign
SCN2A	2	166211146	T	C	1122	F	L	0.056	Likely Benign
SCN2A	2	166211146	T	G	1122	F	V	0.201	Likely Benign
SCN2A	2	166211147	C	T	1122	F	Y	0.161	Likely Benign
SCN2A	2	166211147	T	C	1122	F	S	0.078	Likely Benign
SCN2A	2	166211147	T	G	1122	F	C	0.313	Likely Benign
SCN2A	2	166211148	C	A	1122	F	L	0.06	Likely Benign
SCN2A	2	166211148	C	T	1122	F	L	0.059	Likely Benign
SCN2A	2	166211149	A	C	1123	S	R	0.5	Likely Benign
SCN2A	2	166211149	A	G	1123	S	G	0.448	Likely Benign
SCN2A	2	166211149	A	T	1123	S	C	0.827	Likely Pathogenic
SCN2A	2	166211150	G	A	1123	S	N	0.189	Likely Benign
SCN2A	2	166211150	G	C	1123	S	T	0.171	Likely Benign
SCN2A	2	166211150	G	T	1123	S	I	0.745	Likely Benign
SCN2A	2	166211151	C	A	1123	S	R	0.436	Likely Benign
SCN2A	2	166211151	C	G	1123	S	R	0.424	Likely Benign
SCN2A	2	166211152	A	C	1124	S	R	0.553	Likely Benign
SCN2A	2	166211152	A	G	1124	S	G	0.343	Likely Benign
SCN2A	2	166211152	A	T	1124	S	C	0.654	Likely Benign
SCN2A	2	166211153	G	A	1124	S	N	0.34	Likely Benign
SCN2A	2	166211153	G	C	1124	S	T	0.062	Likely Benign
SCN2A	2	166211153	G	T	1124	S	I	0.47	Likely Benign
SCN2A	2	166211154	C	A	1124	S	R	0.535	Likely Benign
SCN2A	2	166211154	C	G	1124	S	R	0.541	Likely Benign
SCN2A	2	166211155	G	A	1125	E	K	0.069	Likely Benign
SCN2A	2	166211155	G	C	1125	E	Q	0.199	Likely Benign
SCN2A	2	166211155	G	T	1125	E	A	0.116	Likely Benign
SCN2A	2	166211156	A	G	1125	E	G	0.276	Likely Benign
SCN2A	2	166211156	A	T	1125	E	V	0.234	Likely Benign
SCN2A	2	166211157	G	C	1125	E	D	0.047	Likely Benign
SCN2A	2	166211157	G	T	1125	E	D	0.046	Likely Benign
SCN2A	2	166211158	T	A	1126	S	T	0.057	Likely Benign
SCN2A	2	166211158	T	C	1126	S	P	0.333	Likely Benign
SCN2A	2	166211158	T	G	1126	S	A	0.141	Likely Benign
SCN2A	2	166211159	C	T	1126	S	L	0.226	Likely Benign
SCN2A	2	166211161	G	A	1127	D	N	0.084	Likely Benign
SCN2A	2	166211161	G	C	1127	D	H	0.16	Likely Benign
SCN2A	2	166211161	G	T	1127	D	Y	0.415	Likely Benign
SCN2A	2	166211162	A	C	1127	D	A	0.103	Likely Benign
SCN2A	2	166211162	A	G	1127	D	G	0.064	Likely Benign
SCN2A	2	166211162	A	T	1127	D	V	0.216	Likely Benign
SCN2A	2	166211163	T	A	1127	D	E	0.033	Likely Benign
SCN2A	2	166211163	T	G	1127	D	E	0.032	Likely Benign
SCN2A	2	166211164	A	C	1128	M	L	0.009	Likely Benign
SCN2A	2	166211164	A	G	1128	M	V	0.013	Likely Benign
SCN2A	2	166211164	A	T	1128	M	L	0.009	Likely Benign
SCN2A	2	166211165	T	A	1128	M	K	0.023	Likely Benign
SCN2A	2	166211165	T	C	1128	M	T	0.029	Likely Benign
SCN2A	2	166211165	T	G	1128	M	R	0.039	Likely Benign
SCN2A	2	166211166	G	A	1128	M	I	0.018	Likely Benign
SCN2A	2	166211166	G	C	1128	M	I	0.018	Likely Benign
SCN2A	2	166211166	G	T	1128	M	I	0.018	Likely Benign
SCN2A	2	166211167	G	A	1129	E	K	0.113	Likely Benign
SCN2A	2	166211167	G	C	1129	E	Q	0.155	Likely Benign
SCN2A	2	166211168	A	C	1129	E	A	0.074	Likely Benign
SCN2A	2	166211168	A	G	1129	E	G	0.067	Likely Benign
SCN2A	2	166211168	A	T	1129	E	V	0.374	Likely Benign
SCN2A	2	166211169	G	C	1129	E	D	0.054	Likely Benign
SCN2A	2	166211169	G	T	1129	E	D	0.054	Likely Benign
SCN2A	2	166211170	G	A	1130	E	K	0.056	Likely Benign
SCN2A	2	166211170	G	C	1130	E	Q	0.09	Likely Benign
SCN2A	2	166211171	A	C	1130	E	A	0.059	Likely Benign
SCN2A	2	166211171	A	G	1130	E	G	0.044	Likely Benign
SCN2A	2	166211171	A	T	1130	E	V	0.079	Likely Benign
SCN2A	2	166211172	A	C	1130	E	D	0.052	Likely Benign
SCN2A	2	166211172	A	T	1130	E	D	0.052	Likely Benign
SCN2A	2	166211173	A	C	1131	S	R	0.205	Likely Benign
SCN2A	2	166211173	A	G	1131	S	G	0.115	Likely Benign
SCN2A	2	166211173	A	T	1131	S	C	0.42	Likely Benign
SCN2A	2	166211174	G	A	1131	S	N	0.204	Likely Benign
SCN2A	2	166211174	G	C	1131	S	T	0.09	Likely Benign
SCN2A	2	166211174	G	T	1131	S	I	0.255	Likely Benign
SCN2A	2	166211175	C	A	1131	S	R	0.208	Likely Benign
SCN2A	2	166211175	C	G	1131	S	R	0.204	Likely Benign
SCN2A	2	166211176	A	C	1132	K	Q	0.31	Likely Benign
SCN2A	2	166211176	A	G	1132	K	E	0.067	Likely Benign
SCN2A	2	166211177	A	C	1132	K	T	0.349	Likely Benign
SCN2A	2	166211177	A	G	1132	K	R	0.202	Likely Benign
SCN2A	2	166211177	A	T	1132	K	I	0.51	Likely Benign
SCN2A	2	166211178	A	C	1132	K	N	0.148	Likely Benign
SCN2A	2	166211178	A	T	1132	K	N	0.151	Likely Benign
SCN2A	2	166211179	G	A	1133	E	K	0.055	Likely Benign
SCN2A	2	166211179	G	C	1133	E	Q	0.075	Likely Benign
SCN2A	2	166211180	A	C	1133	E	A	0.136	Likely Benign
SCN2A	2	166211180	A	G	1133	E	G	0.072	Likely Benign
SCN2A	2	166211180	A	T	1133	E	V	0.078	Likely Benign
SCN2A	2	166211653	A	C	1134	K	Q	0.095	Likely Benign
SCN2A	2	166211653	A	G	1134	K	E	0.077	Likely Benign
SCN2A	2	166211654	A	C	1134	K	T	0.136	Likely Benign
SCN2A	2	166211654	A	G	1134	K	R	0.051	Likely Benign
SCN2A	2	166211654	A	T	1134	K	M	0.204	Likely Benign
SCN2A	2	166211655	G	C	1134	K	N	0.068	Likely Benign
SCN2A	2	166211655	G	T	1134	K	N	0.068	Likely Benign
SCN2A	2	166211656	C	A	1135	L	I	0.049	Likely Benign
SCN2A	2	166211656	C	G	1135	L	V	0.049	Likely Benign
SCN2A	2	166211657	T	A	1135	L	Q	0.104	Likely Benign
SCN2A	2	166211657	T	C	1135	L	P	0.166	Likely Benign
SCN2A	2	166211657	T	G	1135	L	R	0.141	Likely Benign
SCN2A	2	166211659	A	C	1136	N	H	0.053	Likely Benign
SCN2A	2	166211659	A	G	1136	N	D	0.03	Likely Benign
SCN2A	2	166211659	A	T	1136	N	Y	0.149	Likely Benign
SCN2A	2	166211660	A	C	1136	N	T	0.049	Likely Benign
SCN2A	2	166211660	A	G	1136	N	S	0.049	Likely Benign
SCN2A	2	166211660	A	T	1136	N	I	0.085	Likely Benign
SCN2A	2	166211661	T	A	1136	N	K	0.038	Likely Benign
SCN2A	2	166211661	T	G	1136	N	K	0.038	Likely Benign
SCN2A	2	166211662	G	A	1137	A	T	0.044	Likely Benign
SCN2A	2	166211662	G	C	1137	A	P	0.044	Likely Benign
SCN2A	2	166211662	G	T	1137	A	S	0.037	Likely Benign
SCN2A	2	166211663	C	A	1137	A	E	0.032	Likely Benign
SCN2A	2	166211663	C	G	1137	A	G	0.035	Likely Benign
SCN2A	2	166211663	C	T	1137	A	V	0.036	Likely Benign
SCN2A	2	166211665	A	C	1138	T	P	0.059	Likely Benign
SCN2A	2	166211665	A	G	1138	T	A	0.048	Likely Benign
SCN2A	2	166211665	A	T	1138	T	S	0.014	Likely Benign
SCN2A	2	166211666	C	A	1138	T	N	0.05	Likely Benign
SCN2A	2	166211666	C	G	1138	T	S	0.014	Likely Benign
SCN2A	2	166211666	C	T	1138	T	I	0.044	Likely Benign
SCN2A	2	166211668	A	C	1139	S	R	0.768	Likely Benign
SCN2A	2	166211668	A	G	1139	S	G	0.156	Likely Benign
SCN2A	2	166211668	A	T	1139	S	C	0.769	Likely Benign
SCN2A	2	166211669	A	A	1139	S	N	0.279	Likely Benign
SCN2A	2	166211669	G	C	1139	S	T	0.392	Likely Benign
SCN2A	2	166211669	G	T	1139	S	I	0.728	Likely Benign
SCN2A	2	166211670	T	A	1139	S	R	0.661	Likely Benign
SCN2A	2	166211670	T	G	1139	S	R	0.673	Likely Benign
SCN2A	2	166211671	T	A	1140	S	T	0.289	Likely Benign
SCN2A	2	166211671	T	C	1140	S	P	0.179	Likely Benign
SCN2A	2	166211671	T	G	1140	S	A	0.187	Likely Benign
SCN2A	2	166211672	C	T	1140	S	L	0.074	Likely Benign
SCN2A	2	166211674	T	A	1141	S	T	0.33	Likely Benign
SCN2A	2	166211674	T	C	1141	S	P	0.655	Likely Benign
SCN2A	2	166211674	T	G	1141	S	A	0.384	Likely Benign
SCN2A	2	166211675	C	A	1141	S	Y	0.57	Likely Benign
SCN2A	2	166211675	C	G	1141	S	C	0.42	Likely Benign
SCN2A	2	166211675	C	T	1141	S	F	0.569	Likely Benign
SCN2A	2	166211677	G	A	1142	E	K	0.475	Likely Benign
SCN2A	2	166211677	G	C	1142	E	Q	0.246	Likely Benign
SCN2A	2	166211678	A	C	1142	E	A	0.361	Likely Benign
SCN2A	2	166211678	A	G	1142	E	G	0.615	Likely Benign
SCN2A	2	166211678	A	T	1142	E	V	0.3	Likely Benign
SCN2A	2	166211679	A	C	1142	E	D	0.129	Likely Benign
SCN2A	2	166211679	A	T	1142	E	D	0.131	Likely Benign
SCN2A	2	166211680	G	A	1143	G	S	0.348	Likely Benign
SCN2A	2	166211680	G	C	1143	G	R	0.456	Likely Benign
SCN2A	2	166211680	G	T	1143	G	C	0.045	Likely Benign
SCN2A	2	166211681	G	A	1143	G	D	0.285	Likely Benign
SCN2A	2	166211681	G	C	1143	G	A	0.205	Likely Benign
SCN2A	2	166211681	G	T	1143	G	V	0.219	Likely Benign
SCN2A	2	166211683	A	C	1144	S	R	0.841	Likely Pathogenic
SCN2A	2	166211683	A	G	1144	S	G	0.449	Likely Benign
SCN2A	2	166211683	A	T	1144	S	C	0.848	Likely Pathogenic
SCN2A	2	166211684	G	A	1144	S	N	0.705	Likely Benign
SCN2A	2	166211684	G	C	1144	S	T	0.52	Likely Benign
SCN2A	2	166211684	G	T	1144	S	I	0.589	Likely Benign
SCN2A	2	166211685	C	A	1144	S	R	0.847	Likely Pathogenic
SCN2A	2	166211685	C	G	1144	S	R	0.847	Likely Pathogenic
SCN2A	2	166211686	A	C	1145	T	P	0.899	Likely Pathogenic
SCN2A	2	166211686	A	G	1145	T	A	0.658	Likely Benign
SCN2A	2	166211686	A	T	1145	T	S	0.435	Likely Benign
SCN2A	2	166211687	C	A	1145	T	K	0.688	Likely Benign
SCN2A	2	166211687	C	G	1145	T	R	0.836	Likely Pathogenic
SCN2A	2	166211687	C	T	1145	T	M	0.835	Likely Pathogenic
SCN2A	2	166211689	G	A	1146	V	I	0.044	Likely Benign
SCN2A	2	166211689	G	C	1146	V	L	0.261	Likely Benign
SCN2A	2	166211689	G	T	1146	V	F	0.301	Likely Benign
SCN2A	2	166211690	A	C	1146	V	D	0.502	Likely Benign
SCN2A	2	166211690	T	C	1146	V	A	0.07	Likely Benign
SCN2A	2	166211690	T	G	1146	V	G	0.28	Likely Benign
SCN2A	2	166211692	G	A	1147	D	N	0.

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166872216	A	G	1151	S	P	0.393	Likely Benign
SCN1A	2	166872216	A	T	1151	S	T	0.482	Likely Benign
SCN1A	2	166872215	G	A	1151	S	L	0.145	Likely Benign
SCN1A	2	166872213	A	C	1152	S	A	0.704	Likely Benign
SCN1A	2	166872213	A	G	1152	S	P	0.879	Likely Pathoenic
SCN1A	2	166872213	A	T	1152	S	T	0.689	Likely Benign
SCN1A	2	166872212	G	A	1152	S	L	0.801	Likely Pathoenic
SCN1A	2	166872210	C	G	1153	E	Q	0.562	Likely Benign
SCN1A	2	166872210	C	T	1153	E	K	0.854	Likely Pathoenic
SCN1A	2	166872209	T	A	1153	E	V	0.656	Likely Benign
SCN1A	2	166872209	T	C	1153	E	G	0.714	Likely Benign
SCN1A	2	166872209	T	G	1153	E	A	0.738	Likely Benign
SCN1A	2	166872208	T	A	1153	E	D	0.257	Likely Benign
SCN1A	2	166872208	T	G	1153	E	D	0.258	Likely Benign
SCN1A	2	166872207	C	A	1154	G	C	0.166	Likely Benign
SCN1A	2	166872207	C	G	1154	G	R	0.854	Likely Pathoenic
SCN1A	2	166872207	C	T	1154	G	S	0.764	Likely Benign
SCN1A	2	166872206	C	A	1154	G	V	0.684	Likely Benign
SCN1A	2	166872206	C	G	1154	G	A	0.546	Likely Benign
SCN1A	2	166872206	C	T	1154	G	D	0.709	Likely Benign
SCN1A	2	166872204	T	A	1155	S	C	0.919	Likely Pathoenic
SCN1A	2	166872204	T	C	1155	S	G	0.612	Likely Benign
SCN1A	2	166872204	T	G	1155	S	R	0.912	Likely Pathoenic
SCN1A	2	166872203	C	A	1155	S	I	0.905	Likely Pathoenic
SCN1A	2	166872203	C	G	1155	S	T	0.888	Likely Pathoenic
SCN1A	2	166872203	C	T	1155	S	N	0.936	Likely Pathoenic
SCN1A	2	166872202	G	C	1155	S	R	0.932	Likely Pathoenic
SCN1A	2	166872202	G	T	1155	S	R	0.935	Likely Pathoenic
SCN1A	2	166872201	T	A	1156	T	S	0.568	Likely Benign
SCN1A	2	166872201	T	C	1156	T	A	0.900	Likely Pathoenic
SCN1A	2	166872201	T	G	1156	T	P	0.921	Likely Pathoenic
SCN1A	2	166872200	G	A	1156	T	I	0.857	Likely Pathoenic
SCN1A	2	166872200	G	C	1156	T	S	0.476	Likely Benign
SCN1A	2	166872200	G	T	1156	T	N	0.774	Likely Benign
SCN1A	2	166872198	C	A	1157	V	L	0.302	Likely Benign
SCN1A	2	166872198	C	G	1157	V	L	0.300	Likely Benign
SCN1A	2	166872198	C	T	1157	V	M	0.323	Likely Benign
SCN1A	2	166872197	A	C	1157	V	G	0.597	Likely Benign
SCN1A	2	166872197	A	G	1157	V	A	0.083	Likely Benign
SCN1A	2	166872197	A	T	1157	V	E	0.494	Likely Benign
SCN1A	2	166872195	C	A	1158	D	Y	0.962	Likely Pathoenic
SCN1A	2	166872195	C	G	1158	D	H	0.960	Likely Pathoenic
SCN1A	2	166872195	C	T	1158	D	N	0.900	Likely Pathoenic
SCN1A	2	166872194	A	C	1158	D	V	0.949	Likely Pathoenic
SCN1A	2	166872194	T	C	1158	D	G	0.932	Likely Pathoenic
SCN1A	2	166872194	T	G	1158	D	A	0.964	Likely Pathoenic
SCN1A	2	166872193	C	A	1158	D	E	0.549	Likely Benign
SCN1A	2	166872193	G	T	1158	D	E	0.550	Likely Benign
SCN1A	2	166872192	T	A	1159	I	F	0.213	Likely Benign
SCN1A	2	166872192	T	C	1159	I	V	0.057	Likely Benign
SCN1A	2	166872192	T	G	1159	I	L	0.039	Likely Benign
SCN1A	2	166872191	A	C	1159	I	S	0.240	Likely Benign
SCN1A	2	166872191	A	G	1159	I	T	0.297	Likely Benign
SCN1A	2	166872191	A	T	1159	I	N	0.098	Likely Benign
SCN1A	2	166872190	G	C	1159	I	M	0.088	Likely Benign
SCN1A	2	166872189	C	A	1160	G	C	0.082	Likely Benign
SCN1A	2	166872189	C	G	1160	G	R	0.008	Likely Benign
SCN1A	2	166872189	C	T	1160	G	S	0.042	Likely Benign
SCN1A	2	166872188	C	A	1160	G	V	0.031	Likely Benign
SCN1A	2	166872188	C	G	1160	G	A	0.019	Likely Benign
SCN1A	2	166872188	C	T	1160	G	D	0.050	Likely Benign
SCN1A	2	166872186	C	A	1161	A	S	0.029	Likely Benign
SCN1A	2	166872186	C	G	1161	A	P	0.003	Likely Benign
SCN1A	2	166872186	C	T	1161	A	T	0.034	Likely Benign
SCN1A	2	166872185	G	A	1161	A	V	0.027	Likely Benign
SCN1A	2	166872185	G	C	1161	A	G	0.041	Likely Benign
SCN1A	2	166872185	G	T	1161	A	E	0.023	Likely Benign
SCN1A	2	166872183	G	A	1162	P	S	0.076	Likely Benign
SCN1A	2	166872183	G	C	1162	P	A	0.072	Likely Benign
SCN1A	2	166872183	G	T	1162	P	T	0.103	Likely Benign
SCN1A	2	166872182	G	A	1162	P	L	0.087	Likely Benign
SCN1A	2	166872182	G	C	1162	P	R	0.201	Likely Benign
SCN1A	2	166872182	G	T	1162	P	H	0.402	Likely Benign
SCN1A	2	166872180	C	A	1163	V	L	0.022	Likely Benign
SCN1A	2	166872180	C	G	1163	V	L	0.022	Likely Benign
SCN1A	2	166872180	C	T	1163	V	I	0.032	Likely Benign
SCN1A	2	166872179	A	C	1163	V	G	0.016	Likely Benign
SCN1A	2	166872179	A	G	1163	V	A	0.032	Likely Benign
SCN1A	2	166872179	A	T	1163	V	E	0.006	Likely Benign
SCN1A	2	166872177	C	G	1164	E	Q	0.119	Likely Benign
SCN1A	2	166872177	C	T	1164	E	K	0.131	Likely Benign
SCN1A	2	166872176	T	A	1164	E	V	0.103	Likely Benign
SCN1A	2	166872176	T	C	1164	E	G	0.060	Likely Benign
SCN1A	2	166872176	T	G	1164	E	A	0.090	Likely Benign
SCN1A	2	166872175	T	A	1164	E	D	0.078	Likely Benign
SCN1A	2	166872175	T	G	1164	E	D	0.077	Likely Benign
SCN1A	2	166872174	C	G	1165	E	Q	0.140	Likely Benign
SCN1A	2	166872174	C	T	1165	E	K	0.201	Likely Benign
SCN1A	2	166872173	T	A	1165	E	V	0.163	Likely Benign
SCN1A	2	166872173	T	C	1165	E	G	0.189	Likely Benign
SCN1A	2	166872173	T	G	1165	E	A	0.306	Likely Benign
SCN1A	2	166872172	T	A	1165	E	D	0.069	Likely Benign
SCN1A	2	166872172	T	G	1165	E	D	0.070	Likely Benign
SCN1A	2	166872171	G	C	1166	Q	E	0.011	Likely Benign
SCN1A	2	166872171	G	T	1166	Q	K	0.058	Likely Benign
SCN1A	2	166872170	T	A	1166	Q	L	0.046	Likely Benign
SCN1A	2	166872170	T	C	1166	Q	R	0.066	Likely Benign
SCN1A	2	166872170	T	G	1166	Q	P	0.037	Likely Benign
SCN1A	2	166872169	C	A	1166	Q	H	0.090	Likely Benign
SCN1A	2	166872169	C	G	1166	Q	H	0.089	Likely Benign
SCN1A	2	166872168	G	A	1167	P	S	0.044	Likely Benign
SCN1A	2	166872168	G	C	1167	P	A	0.021	Likely Benign
SCN1A	2	166872168	G	T	1167	P	T	0.071	Likely Benign
SCN1A	2	166872167	G	A	1167	P	L	0.036	Likely Benign
SCN1A	2	166872167	G	C	1167	P	R	0.066	Likely Benign
SCN1A	2	166872167	G	T	1167	P	H	0.072	Likely Benign
SCN1A	2	166872165	C	A	1168	V	L	0.047	Likely Benign
SCN1A	2	166872165	C	G	1168	V	L	0.047	Likely Benign
SCN1A	2	166872165	C	T	1168	V	I	0.045	Likely Benign
SCN1A	2	166872164	A	C	1168	V	G	0.088	Likely Benign
SCN1A	2	166872164	A	G	1168	V	A	0.053	Likely Benign
SCN1A	2	166872164	A	T	1168	V	E	0.010	Likely Benign
SCN1A	2	166872162	C	A	1169	V	L	0.031	Likely Benign
SCN1A	2	166872162	C	G	1169	V	L	0.031	Likely Benign
SCN1A	2	166872162	C	T	1169	V	M	0.053	Likely Benign
SCN1A	2	166872161	A	C	1169	V	G	0.060	Likely Benign
SCN1A	2	166872161	A	G	1169	V	A	0.026	Likely Benign
SCN1A	2	166872161	A	T	1169	V	E	0.029	Likely Benign
SCN1A	2	166872159	C	G	1170	E	Q	0.129	Likely Benign
SCN1A	2	166872159	C	T	1170	E	K	0.217	Likely Benign
SCN1A	2	166872158	T	A	1170	E	V	0.198	Likely Benign
SCN1A	2	166872158	T	C	1170	E	G	0.308	Likely Benign
SCN1A	2	166872158	T	G	1170	E	A	0.159	Likely Benign
SCN1A	2	166872157	T	A	1170	E	D	0.136	Likely Benign
SCN1A	2	166872157	T	G	1170	E	D	0.135	Likely Benign
SCN1A	2	166872156	G	A	1171	P	S	0.058	Likely Benign
SCN1A	2	166872156	G	C	1171	P	A	0.056	Likely Benign
SCN1A	2	166872156	G	T	1171	P	T	0.062	Likely Benign
SCN1A	2	166872155	G	A	1171	P	L	0.064	Likely Benign
SCN1A	2	166872155	G	C	1171	P	R	0.132	Likely Benign
SCN1A	2	166872155	G	T	1171	P	H	0.135	Likely Benign
SCN1A	2	166872153	C	G	1172	E	Q	0.168	Likely Benign
SCN1A	2	166872153	C	T	1172	E	K	0.695	Likely Benign
SCN1A	2	166872152	T	A	1172	E	V	0.459	Likely Benign
SCN1A	2	166872152	T	C	1172	E	G	0.569	Likely Benign
SCN1A	2	166872152	T	G	1172	E	A	0.539	Likely Benign
SCN1A	2	166872151	T	A	1172	E	D	0.127	Likely Benign
SCN1A	2	166872151	T	G	1172	E	D	0.128	Likely Benign
SCN1A	2	166872150	C	A	1173	K	Q	0.301	Likely Benign
SCN1A	2	166872150	C	T	1173	K	K	0.335	Likely Benign
SCN1A	2	166872149	T	A	1173	E	V	0.679	Likely Benign
SCN1A	2	166872149	T	C	1173	E	G	0.551	Likely Benign
SCN1A	2	166872149	T	G	1173	E	A	0.626	Likely Benign
SCN1A	2	166872148	T	A	1173	E	D	0.066	Likely Benign
SCN1A	2	166872148	T	G	1173	E	D	0.066	Likely Benign
SCN1A	2	166872147	T	A	1174	T	S	0.009	Likely Benign
SCN1A	2	166872147	T	C	1174	T	A	0.021	Likely Benign
SCN1A	2	166872147	T	G	1174	T	P	0.024	Likely Benign
SCN1A	2	166872146	G	A	1174	T	I	0.043	Likely Benign
SCN1A	2	166872146	G	C	1174	T	S	0.010	Likely Benign
SCN1A	2	166872146	G	T	1174	T	N	0.045	Likely Benign
SCN1A	2	166872144	A	C	1175	L	F	0.056	Likely Benign
SCN1A	2	166872144	G	C	1175	L	V	0.042	Likely Benign
SCN1A	2	166872144	G	T	1175	L	I	0.051	Likely Benign
SCN1A	2	166872143	A	C	1175	L	R	0.066	Likely Benign
SCN1A	2	166872143	A	G	1175	L	P	0.084	Likely Benign
SCN1A	2	166872143	A	T	1175	L	H	0.074	Likely Benign
SCN1A	2	166872141	C	G	1176	E	Q	0.155	Likely Benign
SCN1A	2	166872141	C	T	1176	E	K	0.321	Likely Benign
SCN1A	2	166872140	T	A	1176	E	V	0.665	Likely Benign
SCN1A	2	166872140	T	C	1176	E	G	0.210	Likely Benign
SCN1A	2	166872140	T	G	1176	E	A	0.397	Likely Benign
SCN1A	2	166872139	T	A	1176	E	D	0.038	Likely Benign
SCN1A	2	166872139	T	G	1176	E	D	0.038	Likely Benign
SCN1A	2	166872138	G	A	1177	P	S	0.952	Likely Pathoenic
SCN1A	2	166872138	G	C	1177	P	A	0.959	Likely Pathoenic
SCN1A	2	166872138	G	T	1177	P	T	0.967	Likely Pathoenic
SCN1A	2	166872137	G	A	1177	P	L	0.962	Likely Pathoenic
SCN1A	2	166872137	G	C	1177	P	R	0.955	Likely Pathoenic
SCN1A	2	166872137	G	T	1177	P	Q	0.969	Likely Pathoenic
SCN1A	2	166872135	C	G	1178	E	Q	0.288	Likely Benign
SCN1A	2	166872135	C	T	1178	E	K	0.420	Likely Benign
SCN1A	2	166872134	T	A	1178	E	V	0.580	Likely Benign
SCN1A	2	166872134	T	C	1178	E	G	0.628	Likely Benign
SCN1A	2	166872134	T	G	1178	E	A	0.231	Likely Benign
SCN1A	2	166872133	T	A	1178	E	D	0.062	Likely Benign
SCN1A	2	166872133	T	G	1178	E	D	0.062	Likely Benign
SCN1A	2	166872132	C	A	1179	A	S	0.154	Likely Benign
SCN1A	2	166872132	C	G	1179	A	P	0.088	Likely Benign
SCN1A	2	166872132	C	T	1179	A	T	0.277	Likely Benign
SCN1A	2	166872131	G	A	1179	A	V	0.260	Likely Benign
SCN1A	2	166872131	G	C	1179	A	G	0.184	Likely Benign
SCN1A	2	166872131	G	T	1179	A	D	0.079	Likely Benign
SCN1A	2	166872129	A	C	1180	C	G	0.981	Likely Pathoenic
SCN1A	2	166872129	A	G	1180	C	R	0.981	Likely Pathoenic
SCN1A	2	166872129	A	T	1180	C	S	0.972	Likely Pathoenic
SCN1A	2	166872128	C	A	1180	C	F	0.980	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166221699	G	A	1149	G	E	0.018	Likely Benign
SCN2A	2	166221699	G	C	1149	G	A	0.014	Likely Benign
SCN2A	2	166221699	G	T	1149	G	V	0.023	Likely Benign
SCN2A	2	166221701	G	A	1150	A	T	0.046	Likely Benign
SCN2A	2	166221701	G	C	1150	A	P	0.007	Likely Benign
SCN2A	2	166221701	G	T	1150	A	S	0.032	Likely Benign
SCN2A	2	166221702	C	A	1150	A	D	0.025	Likely Benign
SCN2A	2	166221702	C	G	1150	A	G	0.046	Likely Benign
SCN2A	2	166221702	C	T	1150	A	V	0.046	Likely Benign
SCN2A	2	166221704	C	A	1151	P	T	0.082	Likely Benign
SCN2A	2	166221704	C	G	1151	P	A	0.071	Likely Benign
SCN2A	2	166221704	C	T	1151	P	S	0.092	Likely Benign
SCN2A	2	166221705	C	A	1151	P	H	0.332	Likely Benign
SCN2A	2	166221705	C	G	1151	P	R	0.253	Likely Benign
SCN2A	2	166221705	C	T	1151	P	L	0.134	Likely Benign
SCN2A	2	166221707	G	A	1152	A	T	0.05	Likely Benign
SCN2A	2	166221707	G	C	1152	A	P	0.035	Likely Benign
SCN2A	2	166221707	G	T	1152	A	S	0.046	Likely Benign
SCN2A	2	166221708	C	A	1152	A	D	0.033	Likely Benign
SCN2A	2	166221708	C	G	1152	A	G	0.011	Likely Benign
SCN2A	2	166221708	C	T	1152	A	V	0.03	Likely Benign
SCN2A	2	166221710	G	A	1153	E	K	0.166	Likely Benign
SCN2A	2	166221710	G	C	1153	E	Q	0.259	Likely Benign
SCN2A	2	166221711	A	C	1153	E	D	0.114	Likely Benign
SCN2A	2	166221711	A	G	1153	E	G	0.335	Likely Benign
SCN2A	2	166221711	A	T	1153	E	V	0.066	Likely Benign
SCN2A	2	166221712	G	C	1153	E	D	0.057	Likely Benign
SCN2A	2	166221712	G	T	1153	E	D	0.057	Likely Benign
SCN2A	2	166221713	G	A	1154	G	R	0.053	Likely Benign
SCN2A	2	166221713	G	C	1154	G	R	0.053	Likely Benign
SCN2A	2	166221713	G	T	1154	G	E	0.017	Likely Benign
SCN2A	2	166221714	G	C	1154	G	A	0.052	Likely Benign
SCN2A	2	166221714	G	T	1154	G	V	0.054	Likely Benign
SCN2A	2	166221716	A	G	1155	E	K	0.14	Likely Benign
SCN2A	2	166221716	G	C	1155	E	Q	0.117	Likely Benign
SCN2A	2	166221717	A	C	1155	E	A	0.104	Likely Benign
SCN2A	2	166221717	A	G	1155	E	G	0.169	Likely Benign
SCN2A	2	166221717	A	T	1155	E	V	0.07	Likely Benign
SCN2A	2	166221718	A	C	1155	E	D	0.101	Likely Benign
SCN2A	2	166221718	A	T	1155	E	E	0.101	Likely Benign
SCN2A	2	166221719	C	A	1156	Q	K	0.046	Likely Benign
SCN2A	2	166221719	C	G	1156	Q	E	0.012	Likely Benign
SCN2A	2	166221720	A	C	1156	Q	P	0.035	Likely Benign
SCN2A	2	166221720	A	G	1156	Q	R	0.048	Likely Benign
SCN2A	2	166221720	A	T	1156	Q	L	0.05	Likely Benign
SCN2A	2	166221721	G	C	1156	Q	H	0.076	Likely Benign
SCN2A	2	166221721	G	T	1156	Q	H	0.076	Likely Benign
SCN2A	2	166221722	C	A	1157	P	T	0.048	Likely Benign
SCN2A	2	166221722	C	G	1157	P	A	0.017	Likely Benign
SCN2A	2	166221722	C	T	1157	P	S	0.042	Likely Benign
SCN2A	2	166221723	C	A	1157	P	H	0.065	Likely Benign
SCN2A	2	166221723	C	G	1157	P	R	0.065	Likely Benign
SCN2A	2	166221723	C	T	1157	P	L	0.04	Likely Benign
SCN2A	2	166221725	G	A	1158	E	K	0.177	Likely Benign
SCN2A	2	166221725	G	C	1158	E	Q	0.045	Likely Benign
SCN2A	2	166221725	G	T	1158	E	D	0.099	Likely Benign
SCN2A	2	166221726	A	G	1158	E	G	0.134	Likely Benign
SCN2A	2	166221726	A	T	1158	E	V	0.031	Likely Benign
SCN2A	2	166221727	G	C	1158	E	D	0.048	Likely Benign
SCN2A	2	166221727	G	T	1158	E	D	0.048	Likely Benign
SCN2A	2	166221728	G	A	1159	V	I	0.022	Likely Benign
SCN2A	2	166221728	G	C	1159	V	L	0.029	Likely Benign
SCN2A	2	166221728	G	T	1159	V	F	0.038	Likely Benign
SCN2A	2	166221729	T	A	1159	V	D	0.053	Likely Benign
SCN2A	2	166221729	T	C	1159	V	A	0.018	Likely Benign
SCN2A	2	166221729	T	G	1159	V	G	0.054	Likely Benign
SCN2A	2	166221731	G	A	1160	E	K	0.13	Likely Benign
SCN2A	2	166221731	G	C	1160	E	Q	0.055	Likely Benign
SCN2A	2	166221731	G	T	1160	E	A	0.085	Likely Benign
SCN2A	2	166221732	A	G	1160	E	G	0.124	Likely Benign
SCN2A	2	166221732	A	T	1160	E	V	0.105	Likely Benign
SCN2A	2	166221733	A	C	1160	E	D	0.1	Likely Benign
SCN2A	2	166221733	A	T	1160	E	D	0.1	Likely Benign
SCN2A	2	166221734	C	A	1161	P	T	0.046	Likely Benign
SCN2A	2	166221734	C	G	1161	P	A	0.046	Likely Benign
SCN2A	2	166221734	C	T	1161	P	S	0.055	Likely Benign
SCN2A	2	166221735	C	A	1161	P	H	0.052	Likely Benign
SCN2A	2	166221735	C	G	1161	P	R	0.096	Likely Benign
SCN2A	2	166221735	C	T	1161	P	L	0.048	Likely Benign
SCN2A	2	166221737	G	A	1162	E	K	0.222	Likely Benign
SCN2A	2	166221737	G	C	1162	E	Q	0.113	Likely Benign
SCN2A	2	166221738	A	C	1162	E	A	0.276	Likely Benign
SCN2A	2	166221738	A	G	1162	E	G	0.426	Likely Benign
SCN2A	2	166221738	A	T	1162	E	V	0.235	Likely Benign
SCN2A	2	166221739	G	C	1162	E	D	0.077	Likely Benign
SCN2A	2	166221739	G	T	1162	E	D	0.077	Likely Benign
SCN2A	2	166221740	G	A	1163	E	K	0.266	Likely Benign
SCN2A	2	166221740	G	C	1163	E	Q	0.211	Likely Benign
SCN2A	2	166221741	A	C	1163	E	A	0.402	Likely Benign
SCN2A	2	166221741	A	G	1163	E	G	0.422	Likely Benign
SCN2A	2	166221741	A	T	1163	E	V	0.375	Likely Benign
SCN2A	2	166221742	A	C	1163	E	D	0.05	Likely Benign
SCN2A	2	166221742	A	T	1163	E	D	0.05	Likely Benign
SCN2A	2	166221743	T	A	1164	S	T	0.038	Likely Benign
SCN2A	2	166221743	T	C	1164	S	P	0.043	Likely Benign
SCN2A	2	166221743	T	G	1164	S	A	0.036	Likely Benign
SCN2A	2	166221744	C	A	1164	S	Y	0.045	Likely Benign
SCN2A	2	166221744	C	G	1164	S	C	0.099	Likely Benign
SCN2A	2	166221744	C	T	1164	S	F	0.048	Likely Benign
SCN2A	2	166221746	C	A	1165	L	I	0.048	Likely Benign
SCN2A	2	166221746	C	G	1165	L	V	0.034	Likely Benign
SCN2A	2	166221746	C	T	1165	L	F	0.049	Likely Benign
SCN2A	2	166221747	T	A	1165	L	H	0.058	Likely Benign
SCN2A	2	166221747	T	C	1165	L	P	0.079	Likely Benign
SCN2A	2	166221747	T	G	1165	L	R	0.07	Likely Benign
SCN2A	2	166221749	G	A	1166	E	K	0.129	Likely Benign
SCN2A	2	166221749	G	C	1166	E	Q	0.11	Likely Benign
SCN2A	2	166221750	A	C	1166	E	A	0.276	Likely Benign
SCN2A	2	166221750	A	G	1166	E	G	0.111	Likely Benign
SCN2A	2	166221750	A	T	1166	E	V	0.363	Likely Benign
SCN2A	2	166221751	A	C	1166	E	D	0.041	Likely Benign
SCN2A	2	166221751	A	T	1166	E	D	0.042	Likely Benign
SCN2A	2	166221752	C	A	1167	P	T	0.902	Likely Pathogenic
SCN2A	2	166221752	C	G	1167	P	A	0.852	Likely Pathogenic
SCN2A	2	166221752	C	T	1167	P	S	0.735	Likely Benign
SCN2A	2	166221753	C	A	1167	P	H	0.879	Likely Pathogenic
SCN2A	2	166221753	C	G	1167	P	R	0.793	Likely Pathogenic
SCN2A	2	166221753	C	T	1167	P	L	0.772	Likely Benign
SCN2A	2	166221755	G	A	1168	E	K	0.328	Likely Benign
SCN2A	2	166221755	G	C	1168	E	Q	0.291	Likely Benign
SCN2A	2	166221756	A	C	1168	E	A	0.239	Likely Benign
SCN2A	2	166221756	A	G	1168	E	G	0.676	Likely Benign
SCN2A	2	166221756	A	T	1168	E	V	0.464	Likely Benign
SCN2A	2	166221757	A	C	1168	E	D	0.048	Likely Benign
SCN2A	2	166221757	A	T	1168	E	D	0.048	Likely Benign
SCN2A	2	166221758	G	A	1169	A	T	0.163	Likely Benign
SCN2A	2	166221758	G	C	1169	A	P	0.054	Likely Benign
SCN2A	2	166221758	G	T	1169	A	S	0.108	Likely Benign
SCN2A	2	166221759	A	C	1169	A	D	0.052	Likely Benign
SCN2A	2	166221759	A	G	1169	A	G	0.121	Likely Benign
SCN2A	2	166221759	C	T	1169	A	V	0.14	Likely Benign
SCN2A	2	166221761	T	A	1170	C	S	0.931	Likely Pathogenic
SCN2A	2	166221761	T	C	1170	C	R	0.962	Likely Pathogenic
SCN2A	2	166221761	T	G	1170	C	G	0.963	Likely Pathogenic
SCN2A	2	166221762	G	A	1170	C	Y	0.957	Likely Pathogenic
SCN2A	2	166221762	G	C	1170	C	S	0.928	Likely Pathogenic
SCN2A	2	166221762	G	T	1170	C	F	0.959	Likely Pathogenic
SCN2A	2	166221763	T	G	1170	C	W	0.973	Likely Pathogenic
SCN2A	2	166221764	A	T	1171	F	L	0.471	Likely Benign
SCN2A	2	166221764	T	C	1171	F	L	0.216	Likely Benign
SCN2A	2	166221764	T	G	1171	F	V	0.742	Likely Benign
SCN2A	2	166221765	A	C	1171	F	Y	0.166	Likely Benign
SCN2A	2	166221765	T	C	1171	F	S	0.753	Likely Benign
SCN2A	2	166221765	T	G	1171	F	C	0.259	Likely Benign
SCN2A	2	166221766	T	A	1171	F	L	0.279	Likely Benign
SCN2A	2	166221766	T	G	1171	F	L	0.277	Likely Benign
SCN2A	2	166221767	A	C	1172	T	P	0.058	Likely Benign
SCN2A	2	166221767	A	G	1172	T	A	0.283	Likely Benign
SCN2A	2	166221767	A	T	1172	T	S	0.184	Likely Benign
SCN2A	2	166221768	C	A	1172	T	K	0.185	Likely Benign
SCN2A	2	166221768	C	G	1172	T	R	0.592	Likely Benign
SCN2A	2	166221768	C	T	1172	T	I	0.321	Likely Benign
SCN2A	2	166221770	G	A	1173	E	K	0.334	Likely Benign
SCN2A	2	166221770	G	C	1173	E	Q	0.161	Likely Benign
SCN2A	2	166221770	G	T	1173	E	D	0.213	Likely Benign
SCN2A	2	166221771	A	G	1173	E	G	0.496	Likely Benign
SCN2A	2	166221771	A	T	1173	E	V	0.581	Likely Benign
SCN2A	2	166221772	A	C	1173	E	D	0.03	Likely Benign
SCN2A	2	166221772	A	T	1173	E	D	0.03	Likely Benign
SCN2A	2	166221727	A	C	1174	D	A	0.021	Likely Benign
SCN

GENE	CHR	DNA_LOC	REF_N	ALT_NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166872128	C	G	I180	C	S	0.973	Likely Pathoenic
SCN1A	2	166872128	C	T	I180	C	Y	0.980	Likely Pathoenic
SCN1A	2	166872127	A	C	I180	C	W	0.979	Likely Pathoenic
SCN1A	2	166872126	A	C	I181	F	V	0.853	Likely Pathoenic
SCN1A	2	166872126	A	G	I181	F	L	0.390	Likely Benien
SCN1A	2	166872126	A	T	I181	F	I	0.681	Likely Benien
SCN1A	2	166872125	A	C	I181	F	C	0.499	Likely Benien
SCN1A	2	166872125	A	G	I181	F	S	0.856	Likely Pathoenic
SCN1A	2	166872125	A	T	I181	F	Y	0.181	Likely Benien
SCN1A	2	166872124	G	C	I181	F	L	0.220	Likely Benien
SCN1A	2	166872124	G	T	I181	F	L	0.222	Likely Benien
SCN1A	2	166872123	T	A	I182	T	S	0.326	Likely Benien
SCN1A	2	166872123	T	C	I182	T	A	0.524	Likely Benien
SCN1A	2	166872123	T	G	I182	T	P	0.135	Likely Benien
SCN1A	2	166872122	G	A	I182	T	I	0.669	Likely Benien
SCN1A	2	166872122	G	C	I182	T	S	0.444	Likely Benien
SCN1A	2	166872122	G	T	I182	T	N	0.753	Likely Benien
SCN1A	2	166872120	C	G	I183	E	Q	0.140	Likely Benien
SCN1A	2	166872120	C	T	I183	E	K	0.299	Likely Benien
SCN1A	2	166872119	T	A	I183	E	V	0.622	Likely Benien
SCN1A	2	166872119	T	C	I183	E	G	0.549	Likely Benien
SCN1A	2	166872119	T	G	I183	E	A	0.172	Likely Benien
SCN1A	2	166872118	T	A	I183	E	D	0.033	Likely Benien
SCN1A	2	166872118	T	G	I183	E	D	0.033	Likely Benien
SCN1A	2	166872117	C	A	I184	G	C	0.707	Likely Benien
SCN1A	2	166872117	C	G	I184	G	R	0.660	Likely Benien
SCN1A	2	166872117	C	T	I184	G	S	0.383	Likely Benien
SCN1A	2	166870406	A	C	I185	C	G	0.948	Likely Pathoenic
SCN1A	2	166870406	A	G	I185	C	R	0.949	Likely Pathoenic
SCN1A	2	166870406	A	T	I185	C	S	0.943	Likely Pathoenic
SCN1A	2	166870405	C	A	I185	C	F	0.817	Likely Pathoenic
SCN1A	2	166870405	C	G	I185	C	S	0.963	Likely Pathoenic
SCN1A	2	166870405	C	T	I185	C	Y	0.756	Likely Benien
SCN1A	2	166870404	A	C	I185	C	W	0.867	Likely Pathoenic
SCN1A	2	166870403	C	A	I186	V	L	0.103	Likely Benien
SCN1A	2	166870403	C	G	I186	V	L	0.102	Likely Benien
SCN1A	2	166870403	C	T	I186	V	I	0.062	Likely Benien
SCN1A	2	166870402	A	C	I186	V	G	0.647	Likely Benien
SCN1A	2	166870402	A	G	I186	V	A	0.284	Likely Benien
SCN1A	2	166870402	A	T	I186	V	E	0.246	Likely Benien
SCN1A	2	166870400	G	C	I187	Q	E	0.041	Likely Benien
SCN1A	2	166870400	G	T	I187	Q	K	0.013	Likely Benien
SCN1A	2	166870399	T	A	I187	Q	L	0.051	Likely Benien
SCN1A	2	166870399	T	C	I187	Q	R	0.005	Likely Benien
SCN1A	2	166870399	T	G	I187	Q	P	0.077	Likely Benien
SCN1A	2	166870398	T	A	I187	Q	H	0.044	Likely Benien
SCN1A	2	166870398	T	G	I187	Q	H	0.044	Likely Benien
SCN1A	2	166870397	T	C	I188	R	G	0.369	Likely Benien
SCN1A	2	166870396	C	A	I188	R	I	0.597	Likely Benien
SCN1A	2	166870396	C	G	I188	R	T	0.545	Likely Benien
SCN1A	2	166870396	C	T	I188	R	K	0.063	Likely Benien
SCN1A	2	166870395	T	A	I188	R	S	0.337	Likely Benien
SCN1A	2	166870395	T	G	I188	R	S	0.337	Likely Benien
SCN1A	2	166870394	A	C	I189	F	V	0.468	Likely Benien
SCN1A	2	166870394	A	G	I189	F	L	0.314	Likely Benien
SCN1A	2	166870394	A	T	I189	F	I	0.497	Likely Benien
SCN1A	2	166870393	A	C	I189	F	C	0.094	Likely Benien
SCN1A	2	166870393	A	G	I189	F	S	0.365	Likely Benien
SCN1A	2	166870393	A	T	I189	F	Y	0.075	Likely Benien
SCN1A	2	166870392	G	C	I189	F	L	0.332	Likely Benien
SCN1A	2	166870392	G	T	I189	F	L	0.329	Likely Benien
SCN1A	2	166870391	T	C	I190	K	E	0.071	Likely Benien
SCN1A	2	166870391	T	G	I190	K	Q	0.051	Likely Benien
SCN1A	2	166870390	T	A	I190	K	M	0.237	Likely Benien
SCN1A	2	166870390	T	C	I190	K	R	0.050	Likely Benien
SCN1A	2	166870390	T	G	I190	K	T	0.071	Likely Benien
SCN1A	2	166870389	C	A	I190	K	N	0.145	Likely Benien
SCN1A	2	166870389	C	G	I190	K	N	0.147	Likely Benien
SCN1A	2	166870388	A	C	I191	C	G	0.622	Likely Benien
SCN1A	2	166870388	A	G	I191	C	R	0.776	Likely Benien
SCN1A	2	166870388	A	T	I191	C	S	0.439	Likely Benien
SCN1A	2	166870387	C	A	I191	C	F	0.084	Likely Benien
SCN1A	2	166870387	C	G	I191	C	S	0.325	Likely Benien
SCN1A	2	166870387	C	T	I191	C	Y	0.297	Likely Benien
SCN1A	2	166870386	A	C	I191	C	W	0.661	Likely Benien
SCN1A	2	166870385	A	C	I192	C	G	0.660	Likely Benien
SCN1A	2	166870385	A	G	I192	C	R	0.873	Likely Pathoenic
SCN1A	2	166870385	A	T	I192	C	S	0.815	Likely Pathoenic
SCN1A	2	166870384	C	A	I192	C	F	0.855	Likely Pathoenic
SCN1A	2	166870384	C	G	I192	C	S	0.801	Likely Pathoenic
SCN1A	2	166870384	C	T	I192	C	Y	0.806	Likely Pathoenic
SCN1A	2	166870383	A	C	I192	C	W	0.818	Likely Pathoenic
SCN1A	2	166870382	G	C	I193	Q	E	0.085	Likely Benien
SCN1A	2	166870382	G	T	I193	Q	K	0.074	Likely Benien
SCN1A	2	166870381	T	A	I193	Q	L	0.173	Likely Benien
SCN1A	2	166870381	T	C	I193	Q	R	0.109	Likely Benien
SCN1A	2	166870381	T	G	I193	Q	P	0.275	Likely Benien
SCN1A	2	166870380	A	G	I193	Q	H	0.066	Likely Benien
SCN1A	2	166870380	T	G	I193	Q	H	0.067	Likely Benien
SCN1A	2	166870379	T	A	I194	I	F	0.085	Likely Benien
SCN1A	2	166870379	T	C	I194	I	V	0.007	Likely Benien
SCN1A	2	166870379	T	G	I194	I	L	0.046	Likely Benien
SCN1A	2	166870378	A	C	I194	I	S	0.119	Likely Benien
SCN1A	2	166870378	A	G	I194	I	T	0.104	Likely Benien
SCN1A	2	166870378	A	T	I194	I	N	0.144	Likely Benien
SCN1A	2	166870377	G	C	I194	I	M	0.089	Likely Benien
SCN1A	2	166870376	T	A	I195	N	Y	0.283	Likely Benien
SCN1A	2	166870376	T	C	I195	N	D	0.018	Likely Benien
SCN1A	2	166870376	T	G	I195	N	H	0.172	Likely Benien
SCN1A	2	166870375	T	A	I195	N	I	0.202	Likely Benien
SCN1A	2	166870375	T	C	I195	N	S	0.030	Likely Benien
SCN1A	2	166870375	T	G	I195	N	T	0.134	Likely Benien
SCN1A	2	166870374	A	C	I195	N	K	0.164	Likely Benien
SCN1A	2	166870374	A	T	I195	N	K	0.167	Likely Benien
SCN1A	2	166870373	C	A	I196	V	L	0.087	Likely Benien
SCN1A	2	166870373	C	G	I196	V	L	0.087	Likely Benien
SCN1A	2	166870373	C	T	I196	V	M	0.141	Likely Benien
SCN1A	2	166870372	A	C	I196	V	G	0.131	Likely Benien
SCN1A	2	166870372	A	G	I196	V	A	0.095	Likely Benien
SCN1A	2	166870372	A	T	I196	V	E	0.080	Likely Benien
SCN1A	2	166870370	C	G	I197	E	Q	0.410	Likely Benien
SCN1A	2	166870370	C	T	I197	E	K	0.260	Likely Benien
SCN1A	2	166870369	T	A	I197	E	V	0.285	Likely Benien
SCN1A	2	166870369	T	C	I197	E	G	0.183	Likely Benien
SCN1A	2	166870369	T	G	I197	E	A	0.142	Likely Benien
SCN1A	2	166870368	T	A	I197	E	D	0.105	Likely Benien
SCN1A	2	166870368	T	G	I197	E	D	0.105	Likely Benien
SCN1A	2	166870367	C	G	I198	E	Q	0.031	Likely Benien
SCN1A	2	166870367	C	T	I198	E	K	0.028	Likely Benien
SCN1A	2	166870366	A	C	I198	E	V	0.090	Likely Benien
SCN1A	2	166870366	T	C	I198	E	G	0.086	Likely Benien
SCN1A	2	166870366	T	G	I198	E	A	0.063	Likely Benien
SCN1A	2	166870365	T	A	I198	E	D	0.112	Likely Benien
SCN1A	2	166870365	T	G	I198	E	D	0.112	Likely Benien
SCN1A	2	166870364	C	A	I199	G	C	0.499	Likely Benien
SCN1A	2	166870364	C	G	I199	G	R	0.261	Likely Benien
SCN1A	2	166870364	C	T	I199	G	S	0.143	Likely Benien
SCN1A	2	166870363	C	A	I199	G	V	0.479	Likely Benien
SCN1A	2	166870363	C	G	I199	G	A	0.147	Likely Benien
SCN1A	2	166870363	C	T	I199	G	D	0.176	Likely Benien
SCN1A	2	166870361	T	C	I200	R	G	0.091	Likely Benien
SCN1A	2	166870360	C	A	I200	R	I	0.064	Likely Benien
SCN1A	2	166870360	C	G	I200	R	T	0.061	Likely Benien
SCN1A	2	166870360	C	T	I200	R	K	0.015	Likely Benien
SCN1A	2	166870359	T	A	I200	R	S	0.095	Likely Benien
SCN1A	2	166870359	T	G	I200	R	S	0.095	Likely Benien
SCN1A	2	166870358	C	G	I201	G	R	0.640	Likely Benien
SCN1A	2	166870358	C	T	I201	G	R	0.650	Likely Benien
SCN1A	2	166870357	A	C	I201	G	V	0.831	Likely Pathoenic
SCN1A	2	166870357	C	G	I201	G	A	0.609	Likely Benien
SCN1A	2	166870357	C	T	I201	G	E	0.798	Likely Pathoenic
SCN1A	2	166870355	C	T	I202	K	E	0.395	Likely Benien
SCN1A	2	166870355	T	G	I202	K	Q	0.190	Likely Benien
SCN1A	2	166870354	T	A	I202	K	I	0.482	Likely Benien
SCN1A	2	166870354	T	C	I202	K	R	0.078	Likely Benien
SCN1A	2	166870354	T	G	I202	K	T	0.608	Likely Benien
SCN1A	2	166870353	T	A	I202	K	N	0.674	Likely Benien
SCN1A	2	166870353	T	G	I202	K	N	0.672	Likely Benien
SCN1A	2	166870352	C	A	I203	Q	E	0.050	Likely Benien
SCN1A	2	166870352	C	G	I203	Q	K	0.021	Likely Benien
SCN1A	2	166870351	T	A	I203	Q	L	0.016	Likely Benien
SCN1A	2	166870351	T	C	I203	Q	R	0.053	Likely Benien
SCN1A	2	166870351	T	G	I203	Q	P	0.039	Likely Benien
SCN1A	2	166870350	T	A	I203	Q	H	0.030	Likely Benien
SCN1A	2	166870350	T	G	I203	Q	H	0.030	Likely Benien
SCN1A	2	166870349	A	C	I204	W	G	0.924	Likely Pathoenic
SCN1A	2	166870349	A	G	I204	W	R	0.968	Likely Pathoenic
SCN1A	2	166870349	A	T	I204	W	R	0.968	Likely Pathoenic
SCN1A	2	166870348	C	A	I204	W	L	0.960	Likely Pathoenic
SCN1A	2	166870348	C	G	I204	W	S	0.954	Likely Pathoenic
SCN1A	2	166870347	C	A	I204	W	C	0.946	Likely Pathoenic
SCN1A	2	166870347	C	G	I204	W	C	0.946	Likely Pathoenic
SCN1A	2	166870346	A	C	I205	W	G	0.709	Likely Benien
SCN1A	2	166870346	A	G	I205	W	R	0.752	Likely Benien
SCN1A	2	166870346	A	T	I205	W	R	0.757	Likely Benien
SCN1A	2	166870345	C	A	I205	W	L	0.917	Likely Pathoenic
SCN1A	2	166870345	C	G	I205	W	S	0.941	Likely Pathoenic
SCN1A	2	166870344	C	A	I205	W	C	0.910	Likely Pathoenic
SCN1A	2	166870344	C	G	I205	W	C	0.910	Likely Pathoenic
SCN1A	2	166870343	T	A	I206	N	Y	0.309	Likely Benien
SCN1A	2	166870343	T	C	I206	N	D	0.222	Likely Benien
SCN1A	2	166870343	T	G	I206	N	H	0.340	Likely Benien
SCN1A	2	166870342	T	A	I206	N	I	0.326	Likely Benien
SCN1A	2	166870342	T	C	I206	N	S	0.321	Likely Benien
SCN1A	2	166870342	T	G	I206	N	T	0.058	Likely Benien
SCN1A	2	166870341	G	C	I206	N	K	0.176	Likely Benien
SCN1A	2	166870341	G	T	I206	N	K	0.175	Likely Benien
SCN1A	2	166870340	G	C	I207	L	V	0.080	Likely Benien
SCN1A	2	166870340	G	T	I207	L	M	0.313	Likely Benien
SCN1A	2	166870339	A	C	I207	L	R	0.762	Likely Benien
SCN1A	2	166870339	A	G	I207	L	P	0.841	Likely Pathoenic
SCN1A	2	166870339	A	T	I207	L	Q	0.727	Likely Benien
SCN1A	2	166870337	T	C	I208	R	G	0.972	Likely Pathoenic
SCN1A	2	166870336	C	A	I208	R	I	0.987	Likely Pathoenic
SCN1A	2	166870336	C	G	I208	R	T	0.982	Likely Pathoenic
SCN1A	2	166870336	C	T	I208	R	K	0.986	Likely Pathoenic
SCN1A	2	166870335	T	A	I208	R	S	0.988	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166223740	G	C	I178	K	N	0.081	Likely Benign
SCN2A	2	166223740	G	T	I178	K	I	0.08	Likely Benign
SCN2A	2	166223741	T	A	I179	F	I	0.505	Likely Benign
SCN2A	2	166223741	T	C	I179	F	L	0.349	Likely Benign
SCN2A	2	166223741	T	G	I179	F	V	0.488	Likely Benign
SCN2A	2	166223742	T	A	I179	F	Y	0.071	Likely Benign
SCN2A	2	166223742	T	C	I179	F	S	0.357	Likely Benign
SCN2A	2	166223742	T	G	I179	F	C	0.081	Likely Benign
SCN2A	2	166223743	A	C	I179	F	L	0.358	Likely Benign
SCN2A	2	166223743	C	G	I179	F	L	0.357	Likely Benign
SCN2A	2	166223744	A	C	I180	K	Q	0.047	Likely Benign
SCN2A	2	166223744	A	G	I180	K	E	0.057	Likely Benign
SCN2A	2	166223745	A	C	I180	K	T	0.068	Likely Benign
SCN2A	2	166223745	A	G	I180	K	R	0.053	Likely Benign
SCN2A	2	166223745	A	T	I180	K	M	0.250	Likely Benign
SCN2A	2	166223746	G	C	I180	K	N	0.141	Likely Benign
SCN2A	2	166223746	G	T	I180	K	N	0.14	Likely Benign
SCN2A	2	166223747	T	A	I181	C	S	0.303	Likely Benign
SCN2A	2	166223747	T	C	I181	C	R	0.735	Likely Benign
SCN2A	2	166223747	T	G	I181	C	G	0.682	Likely Benign
SCN2A	2	166223748	G	A	I181	C	Y	0.19	Likely Benign
SCN2A	2	166223748	G	C	I181	C	S	0.229	Likely Benign
SCN2A	2	166223748	G	T	I181	C	F	0.063	Likely Benign
SCN2A	2	166223749	T	G	I181	C	W	0.268	Likely Benign
SCN2A	2	166223750	T	A	I182	C	S	0.83	Likely Pathogenic
SCN2A	2	166223750	T	C	I182	C	R	0.878	Likely Pathogenic
SCN2A	2	166223750	T	G	I182	C	G	0.659	Likely Benign
SCN2A	2	166223751	G	A	I182	C	Y	0.334	Likely Benign
SCN2A	2	166223751	G	C	I182	C	S	0.75	Likely Benign
SCN2A	2	166223751	G	T	I182	C	F	0.742	Likely Benign
SCN2A	2	166223752	T	G	I182	C	W	0.794	Likely Pathogenic
SCN2A	2	166223753	C	A	I183	Q	K	0.067	Likely Benign
SCN2A	2	166223753	C	G	I183	Q	E	0.089	Likely Benign
SCN2A	2	166223754	A	C	I183	Q	P	0.243	Likely Benign
SCN2A	2	166223754	A	G	I183	Q	R	0.107	Likely Benign
SCN2A	2	166223754	A	T	I183	Q	L	0.209	Likely Benign
SCN2A	2	166223755	G	C	I183	Q	H	0.075	Likely Benign
SCN2A	2	166223755	G	T	I183	Q	H	0.075	Likely Benign
SCN2A	2	166223756	A	C	I184	I	L	0.041	Likely Benign
SCN2A	2	166223756	A	G	I184	I	V	0.006	Likely Benign
SCN2A	2	166223756	A	T	I184	I	L	0.041	Likely Benign
SCN2A	2	166223757	T	A	I184	I	K	0.095	Likely Benign
SCN2A	2	166223757	T	C	I184	I	T	0.078	Likely Benign
SCN2A	2	166223757	T	G	I184	I	R	0.098	Likely Benign
SCN2A	2	166223758	A	G	I184	I	M	0.064	Likely Benign
SCN2A	2	166223759	A	C	I185	S	R	0.088	Likely Benign
SCN2A	2	166223759	A	G	I185	S	G	0.087	Likely Benign
SCN2A	2	166223759	A	T	I185	S	C	0.254	Likely Benign
SCN2A	2	166223760	G	A	I185	S	N	0.02	Likely Benign
SCN2A	2	166223760	G	C	I185	S	T	0.088	Likely Benign
SCN2A	2	166223760	G	T	I185	S	I	0.123	Likely Benign
SCN2A	2	166223761	C	A	I185	S	R	0.106	Likely Benign
SCN2A	2	166223761	C	G	I185	S	R	0.106	Likely Benign
SCN2A	2	166223762	A	C	I186	I	L	0.138	Likely Benign
SCN2A	2	166223762	A	G	I186	I	V	0.03	Likely Benign
SCN2A	2	166223762	A	T	I186	I	L	0.139	Likely Benign
SCN2A	2	166223763	T	A	I186	I	K	0.177	Likely Benign
SCN2A	2	166223763	T	C	I186	I	T	0.041	Likely Benign
SCN2A	2	166223763	T	G	I186	I	R	0.09	Likely Benign
SCN2A	2	166223764	A	G	I186	I	M	0.225	Likely Benign
SCN2A	2	166223765	G	A	I187	E	K	0.136	Likely Benign
SCN2A	2	166223765	G	C	I187	E	Q	0.235	Likely Benign
SCN2A	2	166223766	A	C	I187	E	A	0.148	Likely Benign
SCN2A	2	166223766	A	G	I187	E	G	0.147	Likely Benign
SCN2A	2	166223766	A	T	I187	E	V	0.192	Likely Benign
SCN2A	2	166223767	A	C	I187	E	D	0.101	Likely Benign
SCN2A	2	166223767	A	T	I187	E	D	0.102	Likely Benign
SCN2A	2	166223768	G	A	I188	E	K	0.043	Likely Benign
SCN2A	2	166223768	G	C	I188	E	Q	0.034	Likely Benign
SCN2A	2	166223769	A	C	I188	E	A	0.071	Likely Benign
SCN2A	2	166223769	A	G	I188	E	G	0.079	Likely Benign
SCN2A	2	166223769	A	T	I188	E	V	0.067	Likely Benign
SCN2A	2	166223770	A	C	I188	E	D	0.11	Likely Benign
SCN2A	2	166223770	A	T	I188	E	D	0.111	Likely Benign
SCN2A	2	166223771	G	A	I189	G	S	0.128	Likely Benign
SCN2A	2	166223771	G	C	I189	G	R	0.313	Likely Benign
SCN2A	2	166223771	G	T	I189	G	C	0.457	Likely Benign
SCN2A	2	166223772	G	A	I189	G	D	0.163	Likely Benign
SCN2A	2	166223772	G	C	I189	G	A	0.146	Likely Benign
SCN2A	2	166223772	G	T	I189	G	V	0.457	Likely Benign
SCN2A	2	166223774	A	C	I190	K	Q	0.138	Likely Benign
SCN2A	2	166223774	A	G	I190	K	E	0.13	Likely Benign
SCN2A	2	166223775	A	C	I190	K	T	0.055	Likely Benign
SCN2A	2	166223775	A	G	I190	K	R	0.029	Likely Benign
SCN2A	2	166223775	A	T	I190	K	I	0.173	Likely Benign
SCN2A	2	166223776	A	C	I190	K	N	0.061	Likely Benign
SCN2A	2	166223776	A	T	I190	K	N	0.062	Likely Benign
SCN2A	2	166223777	G	A	I191	G	S	0.546	Likely Benign
SCN2A	2	166223777	G	C	I191	G	R	0.538	Likely Benign
SCN2A	2	166223777	G	T	I191	G	W	0.057	Likely Benign
SCN2A	2	166223778	A	G	I191	G	V	0.537	Likely Benign
SCN2A	2	166223778	G	C	I191	G	A	0.453	Likely Benign
SCN2A	2	166223778	G	T	I191	G	V	0.573	Likely Benign
SCN2A	2	166223780	A	C	I192	K	Q	0.171	Likely Benign
SCN2A	2	166223780	A	G	I192	K	E	0.464	Likely Benign
SCN2A	2	166223781	A	C	I192	K	T	0.494	Likely Benign
SCN2A	2	166223781	A	G	I192	K	R	0.067	Likely Benign
SCN2A	2	166223781	A	T	I192	K	I	0.395	Likely Benign
SCN2A	2	166223782	A	C	I192	K	N	0.473	Likely Benign
SCN2A	2	166223782	A	T	I192	K	N	0.472	Likely Benign
SCN2A	2	166223783	C	A	I193	L	I	0.01	Likely Benign
SCN2A	2	166223783	C	G	I193	L	V	0.02	Likely Benign
SCN2A	2	166223783	C	T	I193	L	F	0.054	Likely Benign
SCN2A	2	166223784	A	C	I193	L	H	0.037	Likely Benign
SCN2A	2	166223784	T	C	I193	L	P	0.047	Likely Benign
SCN2A	2	166223784	T	G	I193	L	R	0.058	Likely Benign
SCN2A	2	166223786	T	A	I194	W	R	0.893	Likely Pathogenic
SCN2A	2	166223786	T	C	I194	W	R	0.889	Likely Pathogenic
SCN2A	2	166223786	T	G	I194	W	G	0.709	Likely Benign
SCN2A	2	166223787	G	C	I194	W	S	0.589	Likely Benign
SCN2A	2	166223787	G	T	I194	W	L	0.723	Likely Benign
SCN2A	2	166223788	G	C	I194	W	C	0.587	Likely Benign
SCN2A	2	166223788	G	T	I194	W	C	0.587	Likely Benign
SCN2A	2	166223789	T	A	I195	W	R	0.603	Likely Benign
SCN2A	2	166223789	T	C	I195	W	R	0.609	Likely Benign
SCN2A	2	166223789	T	G	I195	W	G	0.62	Likely Benign
SCN2A	2	166223790	T	A	I195	W	S	0.691	Likely Benign
SCN2A	2	166223790	G	T	I195	W	L	0.896	Likely Pathogenic
SCN2A	2	166223791	G	C	I195	W	C	0.877	Likely Pathogenic
SCN2A	2	166223791	G	T	I195	W	C	0.882	Likely Pathogenic
SCN2A	2	166223792	A	C	I196	N	H	0.394	Likely Benign
SCN2A	2	166223792	A	G	I196	N	D	0.348	Likely Benign
SCN2A	2	166223792	A	T	I196	N	Y	0.199	Likely Benign
SCN2A	2	166223793	A	C	I196	N	T	0.057	Likely Benign
SCN2A	2	166223793	A	G	I196	N	S	0.361	Likely Benign
SCN2A	2	166223793	A	T	I196	N	I	0.234	Likely Benign
SCN2A	2	166223794	T	A	I196	N	K	0.137	Likely Benign
SCN2A	2	166223794	T	G	I196	N	K	0.136	Likely Benign
SCN2A	2	166223795	A	C	I197	L	M	0.445	Likely Benign
SCN2A	2	166223795	T	G	I197	L	V	0.16	Likely Benign
SCN2A	2	166223796	T	C	I197	L	S	0.792	Likely Pathogenic
SCN2A	2	166223796	T	G	I197	L	W	0.799	Likely Pathogenic
SCN2A	2	166223797	G	C	I197	L	F	0.103	Likely Benign
SCN2A	2	166223797	G	T	I197	L	F	0.103	Likely Benign
SCN2A	2	166223798	A	G	I198	R	G	0.933	Likely Pathogenic
SCN2A	2	166223798	A	T	I198	R	W	0.926	Likely Pathogenic
SCN2A	2	166223799	G	A	I198	R	K	0.923	Likely Pathogenic
SCN2A	2	166223799	G	C	I198	R	T	0.942	Likely Pathogenic
SCN2A	2	166223799	G	T	I198	R	M	0.967	Likely Pathogenic
SCN2A	2	166223800	G	C	I198	R	S	0.98	Likely Pathogenic
SCN2A	2	166223800	G	T	I198	R	S	0.98	Likely Pathogenic
SCN2A	2	166223801	A	C	I199	K	Q	0.275	Likely Benign
SCN2A	2	166223801	A	G	I199	K	E	0.453	Likely Benign
SCN2A	2	166223802	A	C	I199	K	T	0.349	Likely Benign
SCN2A	2	166223802	A	G	I199	K	R	0.063	Likely Benign
SCN2A	2	166223802	A	T	I199	K	K	0.589	Likely Benign
SCN2A	2	166223803	A	C	I199	K	N	0.354	Likely Benign
SCN2A	2	166223803	A	T	I199	K	N	0.356	Likely Benign
SCN2A	2	166223804	C	A	I200	T	P	0.842	Likely Pathogenic
SCN2A	2	166223804	A	G	I200	T	A	0.211	Likely Benign
SCN2A	2	166223804	A	T	I200	T	S	0.475	Likely Benign
SCN2A	2	166223805	A	C	I200	T	K	0.348	Likely Benign
SCN2A	2	166223805	C	G	I200	T	R	0.859	Likely Pathogenic
SCN2A	2	166223805	C	T	I200	T	I	0.579	Likely Benign
SCN2A	2	166223807	A	C	I201	C	S	0.76	Likely Pathogenic
SCN2A	2	166223807	T	C	I201	C	R	0.906	Likely Pathogenic
SCN2A	2	166223807	T	G	I201	C	G	0.899	Likely Pathogenic
SCN2A	2	166223808	G	A	I201	C	Y	0.924	Likely Pathogenic
SCN2A	2	166223808	G	C	I201	C	S	0.682	Likely Benign
SCN2A	2	166223808	G	T	I201	C	F	0.925	Likely Pathogenic
SCN2A	2	166223809	T	C	I201	C	W	0.847	Likely Pathogenic
SCN2A	2	166223810	T	A	I202	Y	N	0.706	Likely Benign
SCN2A	2	166223810	T	C	I202	Y	H	0.307	Likely Benign
SCN2A	2	166223810	T	G	I202	Y	D	0.706	Likely Benign
SCN2A	2	166223811	A	C	I202	Y	S	0.526	Likely Benign
SCN2A	2	166223811	A	G	I202	Y	C	0.227	Likely Benign
SCN2A	2	166

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166870335	T	G	1208	R	S	0.988	Likely Pathoenic
SCN1A	2	166870334	T	A	1209	R	W	0.271	Likely Benien
SCN1A	2	166870334	T	C	1209	R	G	0.120	Likely Benien
SCN1A	2	166870333	C	A	1209	R	M	0.124	Likely Benien
SCN1A	2	166870333	C	G	1209	R	T	0.051	Likely Benien
SCN1A	2	166870333	C	T	1209	R	K	0.005	Likely Benien
SCN1A	2	166870332	C	A	1209	R	S	0.114	Likely Benien
SCN1A	2	166870332	C	G	1209	R	S	0.114	Likely Benien
SCN1A	2	166870331	T	A	1210	T	S	0.495	Likely Benien
SCN1A	2	166870331	T	C	1210	T	A	0.188	Likely Benien
SCN1A	2	166870331	T	G	1210	T	P	0.767	Likely Benien
SCN1A	2	166870330	G	A	1210	T	M	0.903	Likely Pathoeenic
SCN1A	2	166870330	G	C	1210	T	R	0.916	Likely Pathoeenic
SCN1A	2	166870330	G	T	1210	T	K	0.611	Likely Benien
SCN1A	2	166870328	A	C	1211	C	G	0.951	Likely Pathoeenic
SCN1A	2	166870328	A	G	1211	C	R	0.953	Likely Pathoeenic
SCN1A	2	166870328	A	T	1211	C	S	0.844	Likely Pathoeenic
SCN1A	2	166870327	C	A	1211	C	F	0.963	Likely Pathoeenic
SCN1A	2	166870327	C	G	1211	C	S	0.865	Likely Pathoeenic
SCN1A	2	166870327	C	T	1211	C	Y	0.963	Likely Pathoeenic
SCN1A	2	166870326	A	C	1211	C	W	0.959	Likely Pathoeenic
SCN1A	2	166870325	A	C	1212	F	V	0.390	Likely Benien
SCN1A	2	166870325	A	G	1212	F	L	0.119	Likely Benien
SCN1A	2	166870325	A	T	1212	F	I	0.342	Likely Benien
SCN1A	2	166870324	A	C	1212	F	C	0.173	Likely Benien
SCN1A	2	166870324	A	G	1212	F	S	0.433	Likely Benien
SCN1A	2	166870324	A	T	1212	F	Y	0.018	Likely Benien
SCN1A	2	166870323	G	C	1212	F	L	0.136	Likely Benien
SCN1A	2	166870323	G	T	1212	F	L	0.136	Likely Benien
SCN1A	2	166870322	G	C	1213	R	G	0.082	Likely Benien
SCN1A	2	166870321	C	A	1213	R	L	0.049	Likely Benien
SCN1A	2	166870321	C	G	1213	R	P	0.167	Likely Benien
SCN1A	2	166870321	C	T	1213	R	Q	0.112	Likely Benien
SCN1A	2	166870319	T	A	1214	I	L	0.380	Likely Benien
SCN1A	2	166870319	T	C	1214	I	V	0.712	Likely Benien
SCN1A	2	166870319	T	G	1214	I	L	0.379	Likely Benien
SCN1A	2	166870318	A	C	1214	I	R	0.962	Likely Pathoeenic
SCN1A	2	166870318	A	G	1214	I	V	0.959	Likely Pathoeenic
SCN1A	2	166870318	A	T	1214	I	K	0.962	Likely Pathoeenic
SCN1A	2	166870317	T	C	1214	I	M	0.959	Likely Pathoeenic
SCN1A	2	166870316	C	A	1215	V	F	0.968	Likely Pathoeenic
SCN1A	2	166870316	C	G	1215	V	L	0.961	Likely Pathoeenic
SCN1A	2	166870316	C	T	1215	V	I	0.448	Likely Benien
SCN1A	2	166870315	A	C	1215	V	G	0.962	Likely Pathoeenic
SCN1A	2	166870315	A	G	1215	V	A	0.866	Likely Pathoeenic
SCN1A	2	166870315	A	T	1215	V	D	0.964	Likely Pathoeenic
SCN1A	2	166870313	G	C	1216	E	Q	0.960	Likely Pathoeenic
SCN1A	2	166870313	C	T	1216	E	K	0.952	Likely Pathoeenic
SCN1A	2	166870312	T	A	1216	E	V	0.973	Likely Pathoeenic
SCN1A	2	166870312	T	C	1216	E	G	0.972	Likely Pathoeenic
SCN1A	2	166870312	T	G	1216	E	A	0.972	Likely Pathoeenic
SCN1A	2	166870311	T	A	1216	E	D	0.855	Likely Pathoeenic
SCN1A	2	166870311	G	C	1216	E	D	0.852	Likely Pathoeenic
SCN1A	2	166870310	G	A	1217	H	Y	0.963	Likely Pathoeenic
SCN1A	2	166870310	G	C	1217	H	D	0.953	Likely Pathoeenic
SCN1A	2	166870310	G	T	1217	H	N	0.449	Likely Benien
SCN1A	2	166870309	T	A	1217	H	L	0.960	Likely Pathoeenic
SCN1A	2	166870309	T	C	1217	H	R	0.870	Likely Pathoeenic
SCN1A	2	166870309	T	G	1217	H	P	0.957	Likely Pathoeenic
SCN1A	2	166870308	A	C	1217	H	Q	0.844	Likely Pathoeenic
SCN1A	2	166870308	A	T	1217	H	Q	0.847	Likely Pathoeenic
SCN1A	2	166870307	T	A	1218	N	Y	0.664	Likely Benien
SCN1A	2	166870307	T	C	1218	N	D	0.068	Likely Benien
SCN1A	2	166870307	T	G	1218	N	H	0.317	Likely Benien
SCN1A	2	166870306	T	A	1218	N	I	0.592	Likely Benien
SCN1A	2	166870306	T	C	1218	N	S	0.035	Likely Benien
SCN1A	2	166870306	T	G	1218	N	T	0.147	Likely Benien
SCN1A	2	166870305	G	C	1218	N	K	0.152	Likely Benien
SCN1A	2	166870305	G	T	1218	N	K	0.155	Likely Benien
SCN1A	2	166870304	A	C	1219	W	G	0.950	Likely Pathoeenic
SCN1A	2	166870304	A	G	1219	W	R	0.874	Likely Pathoeenic
SCN1A	2	166870304	A	T	1219	W	R	0.874	Likely Pathoeenic
SCN1A	2	166870303	C	A	1219	W	L	0.956	Likely Pathoeenic
SCN1A	2	166870303	C	G	1219	W	S	0.902	Likely Pathoeenic
SCN1A	2	166870302	C	A	1219	W	C	0.900	Likely Pathoeenic
SCN1A	2	166870302	C	G	1219	W	C	0.907	Likely Pathoeenic
SCN1A	2	166870301	A	C	1220	F	V	0.986	Likely Pathoeenic
SCN1A	2	166870301	A	G	1220	F	L	0.984	Likely Pathoeenic
SCN1A	2	166870301	A	T	1220	F	I	0.986	Likely Pathoeenic
SCN1A	2	166870300	A	C	1220	F	C	0.986	Likely Pathoeenic
SCN1A	2	166870300	A	G	1220	F	S	0.986	Likely Pathoeenic
SCN1A	2	166870300	A	T	1220	F	Y	0.982	Likely Pathoeenic
SCN1A	2	166870299	A	C	1220	F	L	0.985	Likely Pathoeenic
SCN1A	2	166870299	A	T	1220	F	L	0.984	Likely Pathoeenic
SCN1A	2	166870298	G	C	1221	E	Q	0.963	Likely Pathoeenic
SCN1A	2	166870298	C	T	1221	E	K	0.944	Likely Pathoeenic
SCN1A	2	166870297	T	A	1221	E	V	0.965	Likely Pathoeenic
SCN1A	2	166870297	T	C	1221	E	G	0.977	Likely Pathoeenic
SCN1A	2	166870297	T	G	1221	E	A	0.977	Likely Pathoeenic
SCN1A	2	166870296	C	A	1221	E	D	0.963	Likely Pathoeenic
SCN1A	2	166870296	C	G	1221	E	D	0.965	Likely Pathoeenic
SCN1A	2	166870295	T	A	1222	T	S	0.046	Likely Benien
SCN1A	2	166870295	T	C	1222	T	A	0.546	Likely Benien
SCN1A	2	166870295	T	G	1222	T	P	0.742	Likely Benien
SCN1A	2	166870294	G	A	1222	T	I	0.762	Likely Benien
SCN1A	2	166870294	G	C	1222	T	S	0.047	Likely Benien
SCN1A	2	166870294	G	T	1222	T	N	0.637	Likely Benien
SCN1A	2	166870292	A	C	1223	F	V	0.632	Likely Benien
SCN1A	2	166870292	A	G	1223	F	L	0.154	Likely Benien
SCN1A	2	166870292	A	T	1223	F	I	0.608	Likely Benien
SCN1A	2	166870291	A	C	1223	F	C	0.677	Likely Benien
SCN1A	2	166870291	A	G	1223	F	S	0.586	Likely Benien
SCN1A	2	166870291	A	T	1223	F	Y	0.479	Likely Benien
SCN1A	2	166870290	G	C	1223	F	L	0.135	Likely Benien
SCN1A	2	166870290	G	T	1223	F	L	0.135	Likely Benien
SCN1A	2	166870289	T	A	1224	I	F	0.963	Likely Pathoeenic
SCN1A	2	166870289	T	C	1224	I	V	0.385	Likely Benien
SCN1A	2	166870289	T	G	1224	I	L	0.909	Likely Pathoeenic
SCN1A	2	166870288	A	C	1224	I	S	0.947	Likely Pathoeenic
SCN1A	2	166870288	A	G	1224	I	T	0.951	Likely Pathoeenic
SCN1A	2	166870288	A	T	1224	I	N	0.947	Likely Pathoeenic
SCN1A	2	166870287	A	C	1224	I	M	0.931	Likely Pathoeenic
SCN1A	2	166870286	C	A	1225	V	F	0.453	Likely Benien
SCN1A	2	166870286	C	G	1225	V	L	0.112	Likely Benien
SCN1A	2	166870286	C	T	1225	V	I	0.009	Likely Benien
SCN1A	2	166870285	A	C	1225	V	G	0.194	Likely Benien
SCN1A	2	166870285	A	G	1225	V	A	0.349	Likely Benien
SCN1A	2	166870285	A	T	1225	V	D	0.676	Likely Benien
SCN1A	2	166870283	A	C	1226	F	V	0.824	Likely Pathoeenic
SCN1A	2	166870283	A	G	1226	F	L	0.078	Likely Benien
SCN1A	2	166870283	A	T	1226	F	I	0.438	Likely Benien
SCN1A	2	166870282	A	C	1226	F	C	0.875	Likely Pathoeenic
SCN1A	2	166870282	A	G	1226	F	S	0.796	Likely Pathoeenic
SCN1A	2	166870282	A	T	1226	F	Y	0.739	Likely Benien
SCN1A	2	166870281	G	C	1226	F	L	0.076	Likely Benien
SCN1A	2	166870281	G	T	1226	F	L	0.076	Likely Benien
SCN1A	2	166870280	T	A	1227	M	L	0.679	Likely Benien
SCN1A	2	166870280	T	C	1227	M	V	0.690	Likely Benien
SCN1A	2	166870280	T	G	1227	M	L	0.654	Likely Benien
SCN1A	2	166870279	A	C	1227	M	R	0.958	Likely Pathoeenic
SCN1A	2	166870279	A	G	1227	M	T	0.960	Likely Pathoeenic
SCN1A	2	166870279	A	T	1227	M	K	0.958	Likely Pathoeenic
SCN1A	2	166870278	C	A	1227	M	I	0.958	Likely Pathoeenic
SCN1A	2	166870278	C	G	1227	M	I	0.955	Likely Pathoeenic
SCN1A	2	166870278	C	T	1227	M	I	0.956	Likely Pathoeenic
SCN1A	2	166870277	T	A	1228	I	F	0.971	Likely Pathoeenic
SCN1A	2	166870277	T	C	1228	I	V	0.951	Likely Pathoeenic
SCN1A	2	166870277	T	G	1228	I	L	0.962	Likely Pathoeenic
SCN1A	2	166870276	A	C	1228	I	S	0.974	Likely Pathoeenic
SCN1A	2	166870276	A	G	1228	I	T	0.905	Likely Pathoeenic
SCN1A	2	166870276	A	T	1228	I	N	0.974	Likely Pathoeenic
SCN1A	2	166870275	A	C	1228	I	M	0.958	Likely Pathoeenic
SCN1A	2	166870274	G	A	1229	L	F	0.972	Likely Pathoeenic
SCN1A	2	166870274	G	C	1229	L	V	0.976	Likely Pathoeenic
SCN1A	2	166870274	G	T	1229	L	I	0.971	Likely Pathoeenic
SCN1A	2	166870273	A	C	1229	L	R	0.994	Likely Pathoeenic
SCN1A	2	166870273	A	G	1229	L	P	0.994	Likely Pathoeenic
SCN1A	2	166870273	A	T	1229	L	H	0.994	Likely Pathoeenic
SCN1A	2	166870271	A	C	1230	L	F	0.972	Likely Pathoeenic
SCN1A	2	166870271	G	C	1230	L	V	0.973	Likely Pathoeenic
SCN1A	2	166870271	G	T	1230	L	I	0.969	Likely Pathoeenic
SCN1A	2	166870270	A	C	1230	L	R	0.993	Likely Pathoeenic
SCN1A	2	166870270	A	G	1230	L	P	0.993	Likely Pathoeenic
SCN1A	2	166870270	A	T	1230	L	H	0.993	Likely Pathoeenic
SCN1A	2	166870268	T	A	1231	S	C	0.990	Likely Pathoeenic
SCN1A	2	166870268	T	C	1231	S	G	0.991	Likely Pathoeenic
SCN1A	2	166870268	T	G	1231	S	R	0.994	Likely Pathoeenic
SCN1A	2	166870267	C	A	1231	S	I	0.994	Likely Pathoeenic
SCN1A	2	166870267	C	G	1231	S	T	0.980	Likely Pathoeenic
SCN1A	2	166870267	C	T	1231	S	N	0.930	Likely Pathoeenic
SCN1A	2	166870266	A	C	1231	S	R	0.993	Likely Pathoeenic
SCN1A	2	166870266	A	T	1231	S	R	0.993	Likely Pathoeenic
SCN1A	2	166870265	T	A	1232	S	C	0.970	Likely Pathoeenic
SCN1A	2	166870265	T	C	1232	S	G	0.985	Likely Pathoeenic
SCN1A	2	166870265	T	G	1232	S	R	0.993	Likely Pathoeenic
SCN1A	2	166870264	C	A	1232	S	I	0.990	Likely Pathoeenic
SCN1A	2	166870264	C	G	1232	S	T	0.921	Likely Pathoeenic
SCN1A	2	166870264	C	T	1232	S	N	0.993	Likely Pathoeenic
SCN1A	2	166870263	A	C	1232	S	R	0.992	Likely Pathoeenic
SCN1A	2	166870263	A	T	1232	S	R	0.992	Likely Pathoeenic
SCN1A	2	166870262	C	A	1233	G	C	0.964	Likely Pathoeenic
SCN1A	2	166870262	C	G	1233	G	R	0.988	Likely Pathoeenic
SCN1A	2	166870262	C	T	1233	G	S	0.970	Likely Pathoeenic
SCN1A	2	166870261	C	A	1233	G	V	0.909	Likely Pathoeenic
SCN1A	2	166870261	C	G	1233	G	A	0.905	Likely Pathoeenic
SCN1A	2	166870261	C	T	1233	G	D	0.989	Likely Pathoeenic
SCN1A	2	166870259	C	A	1234	A	S	0.896	Likely Pathoeenic
SCN1A	2	166870259	C	G	1234	A	P	0.992	Likely Pathoeenic
SCN1A	2	166870259	C	T	1234	A	T	0.889	Likely Pathoeenic
SCN1A	2	166870258	G	A	1234	A	V	0.942	Likely Pathoeenic
SCN1A	2	166870258	G	C	1234	A	G	0.986	Likely Pathoeenic
SCN1A	2	166870258	G	T	1234	A	D	0.991	Likely Pathoeenic
SCN1A	2	166870256	G	C	1235	L	V	0.988	Likely Pathoeenic
SCN1A	2	166870256	G	T	1235	L	M	0.973	Likely Pathoeenic
SCN1A	2	166870255	A	C	1235	L	R	0.995	Likely Pathoeenic
SCN1A	2	166870255	A	G	1235	L	P	0.995	Likely Pathoeenic
SCN1A	2	166870255	A	T	1235	L	Q	0.987	Likely Pathoeenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166223822	G	A	1206	E	K	0.865	Likely Pathogenic
SCN2A	2	166223822	G	C	1206	E	Q	0.938	Likely Pathogenic
SCN2A	2	166223823	A	C	1206	E	A	0.918	Likely Pathogenic
SCN2A	2	166223823	A	G	1206	E	G	0.932	Likely Pathogenic
SCN2A	2	166223823	A	T	1206	E	V	0.937	Likely Pathogenic
SCN2A	2	166223824	G	C	1206	E	D	0.875	Likely Pathogenic
SCN2A	2	166223824	G	T	1206	E	D	0.876	Likely Pathogenic
SCN2A	2	166223825	C	A	1207	H	N	0.174	Likely Benign
SCN2A	2	166223825	C	G	1207	H	D	0.868	Likely Pathogenic
SCN2A	2	166223825	C	T	1207	H	Y	0.901	Likely Pathogenic
SCN2A	2	166223826	A	C	1207	H	P	0.929	Likely Pathogenic
SCN2A	2	166223826	A	T	1207	H	R	0.744	Likely Benign
SCN2A	2	166223826	A	T	1207	H	L	0.933	Likely Pathogenic
SCN2A	2	166223827	C	A	1207	H	Q	0.674	Likely Benign
SCN2A	2	166223827	C	G	1207	H	Q	0.663	Likely Benign
SCN2A	2	166223828	A	C	1208	N	H	0.465	Likely Benign
SCN2A	2	166223828	A	G	1208	N	D	0.082	Likely Benign
SCN2A	2	166223828	A	T	1208	N	Y	0.807	Likely Pathogenic
SCN2A	2	166223829	A	C	1208	N	T	0.215	Likely Benign
SCN2A	2	166223829	A	G	1208	N	S	0.035	Likely Benign
SCN2A	2	166223829	A	T	1208	N	I	0.663	Likely Benign
SCN2A	2	166223830	T	A	1208	N	K	0.252	Likely Benign
SCN2A	2	166223830	T	G	1208	N	K	0.251	Likely Benign
SCN2A	2	166223831	T	A	1209	W	R	0.74	Likely Benign
SCN2A	2	166223831	T	C	1209	W	R	0.744	Likely Benign
SCN2A	2	166223831	T	G	1209	W	G	0.916	Likely Pathogenic
SCN2A	2	166223832	G	C	1209	W	S	0.65	Likely Benign
SCN2A	2	166223832	G	T	1209	W	L	0.9	Likely Pathogenic
SCN2A	2	166223833	G	C	1209	W	C	0.587	Likely Benign
SCN2A	2	166223833	G	T	1209	W	C	0.587	Likely Benign
SCN2A	2	166223834	T	A	1210	F	I	0.954	Likely Pathogenic
SCN2A	2	166223834	T	C	1210	F	L	0.934	Likely Pathogenic
SCN2A	2	166223834	T	G	1210	F	V	0.965	Likely Pathogenic
SCN2A	2	166223835	T	A	1210	F	Y	0.911	Likely Pathogenic
SCN2A	2	166223835	T	C	1210	F	S	0.94	Likely Pathogenic
SCN2A	2	166223835	T	G	1210	F	C	0.946	Likely Pathogenic
SCN2A	2	166223836	C	A	1210	F	L	0.981	Likely Pathogenic
SCN2A	2	166223836	C	G	1210	F	L	0.981	Likely Pathogenic
SCN2A	2	166223837	G	A	1211	E	K	0.865	Likely Pathogenic
SCN2A	2	166223837	G	C	1211	E	Q	0.863	Likely Pathogenic
SCN2A	2	166223838	A	C	1211	E	A	0.94	Likely Pathogenic
SCN2A	2	166223838	A	G	1211	E	G	0.942	Likely Pathogenic
SCN2A	2	166223838	A	T	1211	E	V	0.927	Likely Pathogenic
SCN2A	2	166223839	C	A	1211	E	D	0.919	Likely Pathogenic
SCN2A	2	166223839	A	T	1211	E	D	0.917	Likely Pathogenic
SCN2A	2	166223840	A	C	1212	T	P	0.699	Likely Benign
SCN2A	2	166223840	A	G	1212	T	A	0.549	Likely Benign
SCN2A	2	166223840	A	T	1212	T	S	0.045	Likely Benign
SCN2A	2	166223841	C	A	1212	T	N	0.573	Likely Benign
SCN2A	2	166223841	C	G	1212	T	S	0.046	Likely Benign
SCN2A	2	166223841	C	T	1212	T	I	0.627	Likely Benign
SCN2A	2	166223843	T	A	1213	F	I	0.521	Likely Benign
SCN2A	2	166223843	T	C	1213	F	L	0.14	Likely Benign
SCN2A	2	166223843	T	G	1213	F	V	0.579	Likely Benign
SCN2A	2	166223844	T	A	1213	F	Y	0.381	Likely Benign
SCN2A	2	166223844	T	C	1213	F	S	0.501	Likely Benign
SCN2A	2	166223844	T	G	1213	F	C	0.572	Likely Benign
SCN2A	2	166223845	C	A	1213	F	L	0.14	Likely Benign
SCN2A	2	166223845	C	G	1213	F	L	0.139	Likely Benign
SCN2A	2	166223846	A	C	1214	I	L	0.735	Likely Benign
SCN2A	2	166223846	A	G	1214	I	V	0.326	Likely Benign
SCN2A	2	166223846	A	T	1214	I	F	0.925	Likely Pathogenic
SCN2A	2	166223847	A	C	1214	I	N	0.899	Likely Pathogenic
SCN2A	2	166223847	T	C	1214	I	T	0.909	Likely Pathogenic
SCN2A	2	166223847	T	G	1214	I	S	0.913	Likely Pathogenic
SCN2A	2	166223848	T	G	1214	I	M	0.883	Likely Pathogenic
SCN2A	2	166223849	G	A	1215	V	I	0.009	Likely Benign
SCN2A	2	166223849	G	C	1215	V	L	0.106	Likely Benign
SCN2A	2	166223849	G	T	1215	V	F	0.271	Likely Benign
SCN2A	2	166223850	T	A	1215	V	D	0.612	Likely Benign
SCN2A	2	166223850	T	C	1215	V	A	0.304	Likely Benign
SCN2A	2	166223850	T	G	1215	V	G	0.158	Likely Benign
SCN2A	2	166223852	T	A	1216	F	I	0.572	Likely Benign
SCN2A	2	166223852	T	C	1216	F	L	0.097	Likely Benign
SCN2A	2	166223852	T	G	1216	F	V	0.886	Likely Pathogenic
SCN2A	2	166223853	T	A	1216	F	Y	0.717	Likely Benign
SCN2A	2	166223853	T	C	1216	F	S	0.79	Likely Benign
SCN2A	2	166223853	T	G	1216	F	C	0.863	Likely Pathogenic
SCN2A	2	166223854	C	A	1216	F	L	0.094	Likely Benign
SCN2A	2	166223854	C	G	1216	F	L	0.094	Likely Benign
SCN2A	2	166223855	A	C	1217	M	L	0.628	Likely Benign
SCN2A	2	166223855	A	G	1217	M	V	0.46	Likely Benign
SCN2A	2	166223855	A	T	1217	M	L	0.628	Likely Benign
SCN2A	2	166223856	T	A	1217	M	K	0.931	Likely Pathogenic
SCN2A	2	166223856	T	C	1217	M	T	0.928	Likely Pathogenic
SCN2A	2	166223856	T	G	1217	M	R	0.925	Likely Pathogenic
SCN2A	2	166223857	G	A	1217	M	I	0.887	Likely Pathogenic
SCN2A	2	166223857	G	C	1217	M	T	0.885	Likely Pathogenic
SCN2A	2	166223857	G	T	1217	M	I	0.886	Likely Pathogenic
SCN2A	2	166223858	A	C	1218	I	L	0.896	Likely Pathogenic
SCN2A	2	166223858	A	G	1218	I	V	0.863	Likely Pathogenic
SCN2A	2	166223858	A	T	1218	I	F	0.923	Likely Pathogenic
SCN2A	2	166223859	T	A	1218	I	N	0.93	Likely Pathogenic
SCN2A	2	166223859	T	C	1218	I	T	0.823	Likely Pathogenic
SCN2A	2	166223859	T	G	1218	I	S	0.929	Likely Pathogenic
SCN2A	2	166223860	T	G	1218	I	M	0.91	Likely Pathogenic
SCN2A	2	166223861	C	A	1219	L	M	0.595	Likely Benign
SCN2A	2	166223861	C	G	1219	L	V	0.584	Likely Benign
SCN2A	2	166223862	T	A	1219	L	Q	0.96	Likely Pathogenic
SCN2A	2	166223862	T	C	1219	L	P	0.983	Likely Pathogenic
SCN2A	2	166223862	T	G	1219	L	R	0.984	Likely Pathogenic
SCN2A	2	166223864	C	A	1220	L	M	0.516	Likely Benign
SCN2A	2	166223864	C	G	1220	L	V	0.58	Likely Benign
SCN2A	2	166223864	C	T	1220	L	Q	0.962	Likely Pathogenic
SCN2A	2	166223865	T	C	1220	L	P	0.963	Likely Pathogenic
SCN2A	2	166223865	T	G	1220	L	R	0.96	Likely Pathogenic
SCN2A	2	166223867	A	C	1221	S	R	0.981	Likely Pathogenic
SCN2A	2	166223867	A	G	1221	S	G	0.95	Likely Pathogenic
SCN2A	2	166223867	A	T	1221	S	C	0.962	Likely Pathogenic
SCN2A	2	166223868	G	A	1221	S	N	0.817	Likely Pathogenic
SCN2A	2	166223868	G	C	1221	S	T	0.91	Likely Pathogenic
SCN2A	2	166223868	G	T	1221	S	I	0.985	Likely Pathogenic
SCN2A	2	166223869	C	A	1221	S	R	0.988	Likely Pathogenic
SCN2A	2	166223869	C	G	1221	S	R	0.988	Likely Pathogenic
SCN2A	2	166223870	A	C	1222	S	R	0.976	Likely Pathogenic
SCN2A	2	166223870	A	G	1222	S	G	0.909	Likely Pathogenic
SCN2A	2	166223870	A	T	1222	S	C	0.815	Likely Pathogenic
SCN2A	2	166223871	G	A	1222	S	N	0.97	Likely Pathogenic
SCN2A	2	166223871	G	C	1222	S	T	0.661	Likely Benign
SCN2A	2	166223871	G	T	1222	S	I	0.968	Likely Pathogenic
SCN2A	2	166223872	T	A	1222	S	R	0.985	Likely Pathogenic
SCN2A	2	166223872	T	G	1222	S	R	0.984	Likely Pathogenic
SCN2A	2	166223873	G	A	1223	G	R	0.949	Likely Pathogenic
SCN2A	2	166223873	G	C	1223	G	R	0.949	Likely Pathogenic
SCN2A	2	166223873	G	T	1223	G	W	0.951	Likely Pathogenic
SCN2A	2	166223874	G	A	1223	G	E	0.941	Likely Pathogenic
SCN2A	2	166223874	G	C	1223	G	A	0.748	Likely Benign
SCN2A	2	166223874	G	T	1223	G	V	0.573	Likely Benign
SCN2A	2	166223876	A	C	1224	A	T	0.673	Likely Benign
SCN2A	2	166223876	G	C	1224	A	P	0.978	Likely Pathogenic
SCN2A	2	166223876	G	T	1224	A	S	0.634	Likely Benign
SCN2A	2	166223877	C	A	1224	A	D	0.975	Likely Pathogenic
SCN2A	2	166223877	C	G	1224	A	G	0.911	Likely Pathogenic
SCN2A	2	166223877	C	T	1224	A	V	0.862	Likely Pathogenic
SCN2A	2	166223879	C	A	1225	L	M	0.712	Likely Benign
SCN2A	2	166223879	C	G	1225	L	V	0.924	Likely Pathogenic
SCN2A	2	166223880	T	A	1225	L	Q	0.945	Likely Pathogenic
SCN2A	2	166223880	T	C	1225	L	P	0.984	Likely Pathogenic
SCN2A	2	166223880	T	G	1225	L	R	0.983	Likely Pathogenic
SCN2A	2	166226636	G	A	1226	A	T	0.941	Likely Pathogenic
SCN2A	2	166226636	G	C	1226	A	P	0.984	Likely Pathogenic
SCN2A	2	166226636	G	T	1226	A	S	0.956	Likely Pathogenic
SCN2A	2	166226637	C	A	1226	A	D	0.987	Likely Pathogenic
SCN2A	2	166226637	C	G	1226	A	G	0.884	Likely Pathogenic
SCN2A	2	166226637	C	T	1226	A	V	0.903	Likely Pathogenic
SCN2A	2	166226639	T	A	1227	F	I	0.774	Likely Benign
SCN2A	2	166226639	T	C	1227	F	L	0.397	Likely Benign
SCN2A	2	166226639	T	G	1227	F	V	0.829	Likely Pathogenic
SCN2A	2	166226640	T	A	1227	F	Y	0.954	Likely Pathogenic
SCN2A	2	166226640	T	C	1227	F	S	0.907	Likely Pathogenic
SCN2A	2	166226640	T	G	1227	F	C	0.89	Likely Pathogenic
SCN2A	2	166226641	T	A	1227	F	L	0.415	Likely Benign
SCN2A	2	166226641	T	G	1227	F	L	0.417	Likely Benign
SCN2A	2	166226642	G	A	1228	E	K	0.95	Likely Pathogenic
SCN2A	2

GENE	CHR	DNA_LOC	REF_N T	ALT_N NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166868791	G	A	1236	A	V	0.950	Likely Pathogenic
SCN1A	2	166868791	G	C	1236	A	G	0.970	Likely Pathogenic
SCN1A	2	166868791	G	T	1236	A	E	0.994	Likely Pathogenic
SCN1A	2	166868789	A	C	1237	F	V	0.933	Likely Pathogenic
SCN1A	2	166868789	A	G	1237	F	L	0.539	Likely Benign
SCN1A	2	166868789	A	T	1237	F	I	0.857	Likely Pathogenic
SCN1A	2	166868788	A	C	1237	F	C	0.962	Likely Pathogenic
SCN1A	2	166868788	A	G	1237	F	S	0.951	Likely Pathogenic
SCN1A	2	166868788	A	T	1237	F	Y	0.975	Likely Pathogenic
SCN1A	2	166868787	A	C	1237	F	L	0.611	Likely Benign
SCN1A	2	166868787	A	T	1237	F	L	0.612	Likely Benign
SCN1A	2	166868786	C	G	1238	E	Q	0.986	Likely Pathogenic
SCN1A	2	166868786	C	T	1238	E	K	0.989	Likely Pathogenic
SCN1A	2	166868785	T	A	1238	E	V	0.988	Likely Pathogenic
SCN1A	2	166868785	T	C	1238	E	G	0.994	Likely Pathogenic
SCN1A	2	166868785	T	G	1238	E	A	0.990	Likely Pathogenic
SCN1A	2	166868784	T	A	1238	E	D	0.974	Likely Pathogenic
SCN1A	2	166868784	T	G	1238	E	D	0.974	Likely Pathogenic
SCN1A	2	166868783	C	A	1239	D	Y	0.991	Likely Pathogenic
SCN1A	2	166868783	C	G	1239	D	H	0.989	Likely Pathogenic
SCN1A	2	166868783	C	T	1239	D	N	0.983	Likely Pathogenic
SCN1A	2	166868782	T	A	1239	D	V	0.988	Likely Pathogenic
SCN1A	2	166868782	T	C	1239	D	G	0.987	Likely Pathogenic
SCN1A	2	166868782	T	G	1239	D	A	0.983	Likely Pathogenic
SCN1A	2	166868781	A	C	1239	D	E	0.988	Likely Pathogenic
SCN1A	2	166868781	A	T	1239	D	E	0.988	Likely Pathogenic
SCN1A	2	166868780	T	A	1240	I	L	0.892	Likely Pathogenic
SCN1A	2	166868780	T	C	1240	I	V	0.233	Likely Benign
SCN1A	2	166868780	T	G	1240	I	L	0.888	Likely Pathogenic
SCN1A	2	166868779	A	C	1240	I	R	0.970	Likely Pathogenic
SCN1A	2	166868779	A	G	1240	I	T	0.877	Likely Pathogenic
SCN1A	2	166868779	A	T	1240	I	K	0.956	Likely Pathogenic
SCN1A	2	166868778	T	C	1240	I	M	0.976	Likely Pathogenic
SCN1A	2	166868777	A	C	1241	Y	D	0.966	Likely Pathogenic
SCN1A	2	166868777	A	G	1241	Y	H	0.568	Likely Benign
SCN1A	2	166868777	A	T	1241	Y	N	0.900	Likely Pathogenic
SCN1A	2	166868776	T	A	1241	Y	F	0.967	Likely Pathogenic
SCN1A	2	166868776	T	C	1241	Y	C	0.989	Likely Pathogenic
SCN1A	2	166868776	T	G	1241	Y	S	0.932	Likely Pathogenic
SCN1A	2	166868774	T	A	1242	I	F	0.796	Likely Pathogenic
SCN1A	2	166868774	T	C	1242	I	V	0.494	Likely Benign
SCN1A	2	166868774	T	G	1242	I	L	0.191	Likely Benign
SCN1A	2	166868773	A	C	1242	I	S	0.907	Likely Pathogenic
SCN1A	2	166868773	A	G	1242	I	T	0.893	Likely Pathogenic
SCN1A	2	166868773	A	T	1242	I	N	0.941	Likely Pathogenic
SCN1A	2	166868772	A	C	1242	M	M	0.838	Likely Pathogenic
SCN1A	2	166868771	C	A	1243	D	Y	0.963	Likely Pathogenic
SCN1A	2	166868771	C	G	1243	D	H	0.613	Likely Benign
SCN1A	2	166868771	C	T	1243	D	N	0.434	Likely Benign
SCN1A	2	166868770	A	C	1243	D	V	0.883	Likely Pathogenic
SCN1A	2	166868770	T	C	1243	D	G	0.655	Likely Benign
SCN1A	2	166868770	T	G	1243	D	A	0.540	Likely Benign
SCN1A	2	166868769	A	C	1243	D	E	0.094	Likely Benign
SCN1A	2	166868769	A	T	1243	D	E	0.094	Likely Benign
SCN1A	2	166868768	G	C	1244	Q	E	0.518	Likely Benign
SCN1A	2	166868768	G	T	1244	Q	K	0.560	Likely Benign
SCN1A	2	166868767	T	A	1244	Q	L	0.880	Likely Pathogenic
SCN1A	2	166868767	T	C	1244	Q	R	0.515	Likely Benign
SCN1A	2	166868767	T	G	1244	Q	P	0.839	Likely Pathogenic
SCN1A	2	166868766	C	A	1244	Q	H	0.832	Likely Pathogenic
SCN1A	2	166868766	C	G	1244	Q	H	0.816	Likely Pathogenic
SCN1A	2	166868765	G	C	1245	R	G	0.933	Likely Pathogenic
SCN1A	2	166868764	C	A	1245	R	L	0.980	Likely Pathogenic
SCN1A	2	166868764	C	G	1245	R	P	0.942	Likely Pathogenic
SCN1A	2	166868764	C	T	1245	R	Q	0.965	Likely Pathogenic
SCN1A	2	166868762	T	C	1246	K	E	0.715	Likely Benign
SCN1A	2	166868762	T	G	1246	K	Q	0.738	Likely Benign
SCN1A	2	166868761	T	A	1246	K	M	0.977	Likely Pathogenic
SCN1A	2	166868761	T	C	1246	K	R	0.415	Likely Benign
SCN1A	2	166868761	T	G	1246	K	T	0.824	Likely Pathogenic
SCN1A	2	166868760	C	A	1246	K	N	0.770	Likely Benign
SCN1A	2	166868760	C	G	1246	K	N	0.752	Likely Benign
SCN1A	2	166868759	T	A	1247	T	S	0.555	Likely Benign
SCN1A	2	166868759	T	C	1247	T	A	0.600	Likely Benign
SCN1A	2	166868759	T	G	1247	T	P	0.741	Likely Benign
SCN1A	2	166868758	G	A	1247	T	M	0.892	Likely Pathogenic
SCN1A	2	166868758	G	C	1247	T	R	0.795	Likely Pathogenic
SCN1A	2	166868758	G	T	1247	T	K	0.821	Likely Pathogenic
SCN1A	2	166868756	T	A	1248	I	F	0.778	Likely Benign
SCN1A	2	166868756	T	C	1248	I	V	0.238	Likely Benign
SCN1A	2	166868756	T	G	1248	I	L	0.203	Likely Benign
SCN1A	2	166868755	A	C	1248	I	S	0.939	Likely Pathogenic
SCN1A	2	166868755	A	G	1248	I	T	0.788	Likely Pathogenic
SCN1A	2	166868755	A	T	1248	I	N	0.953	Likely Pathogenic
SCN1A	2	166868754	A	C	1248	M	M	0.865	Likely Pathogenic
SCN1A	2	166868753	T	C	1249	K	E	0.793	Likely Pathogenic
SCN1A	2	166868753	T	G	1249	K	Q	0.563	Likely Benign
SCN1A	2	166868752	A	C	1249	K	M	0.959	Likely Pathogenic
SCN1A	2	166868752	T	C	1249	K	R	0.455	Likely Benign
SCN1A	2	166868752	T	G	1249	K	T	0.835	Likely Pathogenic
SCN1A	2	166868751	C	A	1249	K	N	0.801	Likely Pathogenic
SCN1A	2	166868751	C	G	1249	K	N	0.791	Likely Pathogenic
SCN1A	2	166868750	T	A	1250	T	S	0.403	Likely Benign
SCN1A	2	166868750	T	C	1250	T	A	0.260	Likely Benign
SCN1A	2	166868750	T	G	1250	T	P	0.894	Likely Pathogenic
SCN1A	2	166868749	G	A	1250	T	M	0.524	Likely Benign
SCN1A	2	166868749	G	C	1250	T	R	0.494	Likely Benign
SCN1A	2	166868749	G	T	1250	T	K	0.305	Likely Benign
SCN1A	2	166868747	T	A	1251	M	L	0.110	Likely Benign
SCN1A	2	166868747	T	C	1251	M	V	0.091	Likely Benign
SCN1A	2	166868747	T	G	1251	M	L	0.112	Likely Benign
SCN1A	2	166868746	A	C	1251	M	R	0.844	Likely Pathogenic
SCN1A	2	166868746	A	G	1251	M	T	0.578	Likely Benign
SCN1A	2	166868746	A	T	1251	M	K	0.777	Likely Benign
SCN1A	2	166868745	C	A	1251	M	I	0.119	Likely Benign
SCN1A	2	166868745	C	G	1251	M	I	0.118	Likely Benign
SCN1A	2	166868745	C	T	1251	M	I	0.119	Likely Benign
SCN1A	2	166868744	A	C	1252	L	V	0.983	Likely Pathogenic
SCN1A	2	166868744	A	T	1252	L	M	0.988	Likely Pathogenic
SCN1A	2	166868743	A	C	1252	L	W	0.995	Likely Pathogenic
SCN1A	2	166868743	A	G	1252	L	S	0.989	Likely Pathogenic
SCN1A	2	166868742	C	A	1252	L	F	0.988	Likely Pathogenic
SCN1A	2	166868742	C	G	1252	L	F	0.988	Likely Pathogenic
SCN1A	2	166868741	G	A	1253	E	Q	0.943	Likely Pathogenic
SCN1A	2	166868741	C	T	1253	E	K	0.892	Likely Pathogenic
SCN1A	2	166868740	T	A	1253	E	V	0.980	Likely Pathogenic
SCN1A	2	166868740	T	C	1253	E	G	0.934	Likely Pathogenic
SCN1A	2	166868740	T	G	1253	E	A	0.921	Likely Pathogenic
SCN1A	2	166868739	T	A	1253	E	D	0.638	Likely Benign
SCN1A	2	166868739	T	G	1253	E	D	0.638	Likely Benign
SCN1A	2	166868738	A	C	1254	Y	D	0.993	Likely Pathogenic
SCN1A	2	166868738	A	G	1254	Y	H	0.978	Likely Pathogenic
SCN1A	2	166868738	A	T	1254	Y	N	0.988	Likely Pathogenic
SCN1A	2	166868737	T	A	1254	Y	F	0.842	Likely Pathogenic
SCN1A	2	166868737	T	C	1254	Y	C	0.971	Likely Pathogenic
SCN1A	2	166868737	T	G	1254	Y	S	0.993	Likely Pathogenic
SCN1A	2	166868735	C	A	1255	A	S	0.976	Likely Pathogenic
SCN1A	2	166868735	C	G	1255	A	P	0.991	Likely Pathogenic
SCN1A	2	166868735	C	T	1255	A	T	0.932	Likely Pathogenic
SCN1A	2	166868734	G	A	1255	A	V	0.964	Likely Pathogenic
SCN1A	2	166868734	G	C	1255	A	G	0.980	Likely Pathogenic
SCN1A	2	166868734	G	T	1255	A	D	0.993	Likely Pathogenic
SCN1A	2	166868732	C	A	1256	D	Y	0.992	Likely Pathogenic
SCN1A	2	166868732	C	G	1256	D	H	0.994	Likely Pathogenic
SCN1A	2	166868732	C	T	1256	D	N	0.966	Likely Pathogenic
SCN1A	2	166868731	T	A	1256	D	V	0.995	Likely Pathogenic
SCN1A	2	166868731	T	C	1256	D	G	0.994	Likely Pathogenic
SCN1A	2	166868731	T	G	1256	D	A	0.995	Likely Pathogenic
SCN1A	2	166868730	G	C	1256	D	E	0.937	Likely Pathogenic
SCN1A	2	166868730	G	T	1256	D	E	0.941	Likely Pathogenic
SCN1A	2	166868729	T	C	1257	K	Q	0.929	Likely Pathogenic
SCN1A	2	166868729	T	G	1257	K	E	0.953	Likely Pathogenic
SCN1A	2	166868728	T	A	1257	K	M	0.953	Likely Pathogenic
SCN1A	2	166868728	T	C	1257	K	R	0.622	Likely Benign
SCN1A	2	166868728	T	G	1257	K	T	0.960	Likely Pathogenic
SCN1A	2	166868727	C	A	1257	K	N	0.937	Likely Pathogenic
SCN1A	2	166868727	C	G	1257	K	N	0.942	Likely Pathogenic
SCN1A	2	166868726	C	A	1258	V	F	0.964	Likely Pathogenic
SCN1A	2	166868726	C	G	1258	V	L	0.907	Likely Pathogenic
SCN1A	2	166868726	C	T	1258	V	I	0.553	Likely Benign
SCN1A	2	166868725	A	C	1258	V	G	0.982	Likely Pathogenic
SCN1A	2	166868725	A	G	1258	V	A	0.941	Likely Pathogenic
SCN1A	2	166868725	A	T	1258	V	D	0.994	Likely Pathogenic
SCN1A	2	166868723	A	C	1259	F	V	0.990	Likely Pathogenic
SCN1A	2	166868723	A	G	1259	F	L	0.988	Likely Pathogenic
SCN1A	2	166868723	A	T	1259	F	I	0.986	Likely Pathogenic
SCN1A	2	166868722	A	C	1259	F	C	0.989	Likely Pathogenic
SCN1A	2	166868722	A	G	1259	F	S	0.996	Likely Pathogenic
SCN1A	2	166868722	A	T	1259	F	Y	0.993	Likely Pathogenic
SCN1A	2	166868721	G	C	1259	F	L	0.988	Likely Pathogenic
SCN1A	2	166868721	G	T	1259	F	L	0.988	Likely Pathogenic
SCN1A	2	166868720	T	A	1260	T	S	0.971	Likely Pathogenic
SCN1A	2	166868720	T	C	1260	T	A	0.976	Likely Pathogenic
SCN1A	2	166868720	T	G	1260	T	P	0.996	Likely Pathogenic
SCN1A	2	166868719	G	A	1260	T	I	0.986	Likely Pathogenic
SCN1A	2	166868719	G	C	1260	T	S	0.980	Likely Pathogenic
SCN1A	2	166868719	G	T	1260	T	N	0.990	Likely Pathogenic
SCN1A	2	166868717	A	C	1261	Y	D	0.987	Likely Pathogenic
SCN1A	2	166868717	A	G	1261	Y	H	0.970	Likely Pathogenic
SCN1A	2	166868717	A	T	1261	Y	N	0.988	Likely Pathogenic
SCN1A	2	166868716	T	A	1261	Y	F	0.623	Likely Benign
SCN1A	2	166868716	T	C	1261	Y	C	0.963	Likely Benign
SCN1A	2	166868716	T	G	1261	Y	S	0.954	Likely Pathogenic
SCN1A	2	166868714	T	A	1262	I	F	0.972	Likely Pathogenic
SCN1A	2	166868714	T	C	1262	I	V	0.473	Likely Benign
SCN1A	2	166868714	T	G	1262	I	L	0.946	Likely Pathogenic
SCN1A	2	166868713	A	C	1262	I	S	0.993	Likely Pathogenic
SCN1A	2	166868713	A	G	1262	I	T	0.991	Likely Pathogenic
SCN1A	2	166868713	A	T	1262	I	N	0.996	Likely Pathogenic
SCN1A	2	166868712	A	C	1263	M	M	0.974	Likely Pathogenic
SCN1A	2	166868711	A	C	1263	F	V	0.997	Likely Pathogenic
SCN1A	2	166868711	A	G	1263	F	L	0.995	Likely Pathogenic
SCN1A	2	166868711	A	T	1263	F	I	0.997	Likely Pathogenic
SCN1A	2	166868710	A	C	1263	F	C	0.997	Likely Pathogenic
SCN1A	2	166868710	A	G	1263	F	S	0.997	Likely Pathogenic
SCN1A	2	166868710	A	T	1263	F	Y	0.976	Likely Pathogenic
SCN1A	2	166868709	G	C	1263	F	L	0.994	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_N NT	ALT_N NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166226656	T	G	1232	I	M	0.77	Likely Benign
SCN2A	2	166226657	G	A	1233	E	K	0.789	Likely Pathogenic
SCN2A	2	166226657	G	C	1233	E	Q	0.469	Likely Benign
SCN2A	2	166226658	A	C	1233	E	A	0.786	Likely Pathogenic
SCN2A	2	166226658	A	G	1233	E	G	0.842	Likely Pathogenic
SCN2A	2	166226658	A	T	1233	E	V	0.927	Likely Pathogenic
SCN2A	2	166226659	G	C	1233	E	D	0.227	Likely Benign
SCN2A	2	166226659	G	T	1233	E	D	0.228	Likely Benign
SCN2A	2	166226660	C	A	1234	Q	K	0.373	Likely Benign
SCN2A	2	166226660	C	G	1234	Q	E	0.404	Likely Benign
SCN2A	2	166226661	A	C	1234	Q	P	0.854	Likely Pathogenic
SCN2A	2	166226661	A	G	1234	Q	R	0.598	Likely Benign
SCN2A	2	166226661	A	T	1234	Q	L	0.92	Likely Pathogenic
SCN2A	2	166226662	G	C	1234	Q	H	0.634	Likely Benign
SCN2A	2	166226662	G	T	1234	Q	H	0.635	Likely Benign
SCN2A	2	166226663	C	G	1235	R	G	0.702	Likely Benign
SCN2A	2	166226664	G	A	1235	R	Q	0.834	Likely Pathogenic
SCN2A	2	166226664	G	T	1235	R	L	0.639	Likely Benign
SCN2A	2	166226664	G	T	1235	R	L	0.864	Likely Pathogenic
SCN2A	2	166226666	A	C	1236	K	Q	0.463	Likely Benign
SCN2A	2	166226666	A	G	1236	K	E	0.5	Likely Benign
SCN2A	2	166226667	A	C	1236	K	T	0.635	Likely Benign
SCN2A	2	166226667	A	G	1236	K	R	0.203	Likely Benign
SCN2A	2	166226667	A	T	1236	K	I	0.836	Likely Pathogenic
SCN2A	2	166226668	A	C	1236	K	N	0.63	Likely Benign
SCN2A	2	166226668	A	T	1236	K	N	0.63	Likely Benign
SCN2A	2	166226669	A	C	1237	T	P	0.777	Likely Benign
SCN2A	2	166226669	A	G	1237	T	A	0.554	Likely Benign
SCN2A	2	166226669	A	T	1237	T	S	0.497	Likely Benign
SCN2A	2	166226670	C	A	1237	T	N	0.362	Likely Benign
SCN2A	2	166226670	C	G	1237	T	S	0.377	Likely Benign
SCN2A	2	166226670	C	T	1237	T	I	0.45	Likely Benign
SCN2A	2	166226672	A	C	1238	I	L	0.232	Likely Benign
SCN2A	2	166226672	A	G	1238	I	V	0.247	Likely Benign
SCN2A	2	166226672	A	T	1238	I	F	0.84	Likely Pathogenic
SCN2A	2	166226673	T	A	1238	I	N	0.959	Likely Pathogenic
SCN2A	2	166226673	T	C	1238	I	T	0.798	Likely Pathogenic
SCN2A	2	166226673	T	G	1238	I	S	0.965	Likely Pathogenic
SCN2A	2	166226674	T	G	1238	I	M	0.905	Likely Pathogenic
SCN2A	2	166226675	A	C	1239	K	Q	0.461	Likely Benign
SCN2A	2	166226675	A	G	1239	K	E	0.543	Likely Benign
SCN2A	2	166226676	A	C	1239	K	T	0.671	Likely Benign
SCN2A	2	166226676	A	G	1239	K	R	0.316	Likely Benign
SCN2A	2	166226676	A	T	1239	K	M	0.749	Likely Pathogenic
SCN2A	2	166226677	G	C	1239	K	N	0.513	Likely Benign
SCN2A	2	166226677	G	T	1239	K	N	0.505	Likely Benign
SCN2A	2	166226678	A	C	1240	T	P	0.61	Likely Benign
SCN2A	2	166226678	A	G	1240	T	A	0.21	Likely Benign
SCN2A	2	166226678	A	T	1240	T	S	0.281	Likely Benign
SCN2A	2	166226679	C	A	1240	T	N	0.29	Likely Benign
SCN2A	2	166226679	C	G	1240	T	S	0.273	Likely Benign
SCN2A	2	166226679	C	T	1240	T	I	0.122	Likely Benign
SCN2A	2	166226681	A	C	1241	M	L	0.077	Likely Benign
SCN2A	2	166226681	A	G	1241	M	V	0.058	Likely Benign
SCN2A	2	166226681	A	T	1241	M	L	0.077	Likely Benign
SCN2A	2	166226682	T	A	1241	M	K	0.369	Likely Benign
SCN2A	2	166226682	T	C	1241	M	T	0.235	Likely Benign
SCN2A	2	166226682	T	G	1241	M	R	0.399	Likely Benign
SCN2A	2	166226683	G	A	1241	M	I	0.039	Likely Benign
SCN2A	2	166226683	G	C	1241	M	I	0.038	Likely Benign
SCN2A	2	166226683	G	T	1241	M	I	0.04	Likely Benign
SCN2A	2	166226684	T	A	1242	L	I	0.964	Likely Pathogenic
SCN2A	2	166226684	T	G	1242	L	V	0.962	Likely Pathogenic
SCN2A	2	166226685	T	C	1242	L	S	0.969	Likely Pathogenic
SCN2A	2	166226686	A	C	1242	L	F	0.954	Likely Pathogenic
SCN2A	2	166226686	A	T	1242	L	F	0.953	Likely Pathogenic
SCN2A	2	166226687	G	A	1243	E	K	0.665	Likely Benign
SCN2A	2	166226687	G	C	1243	E	Q	0.754	Likely Benign
SCN2A	2	166226687	G	T	1243	E	A	0.781	Likely Benign
SCN2A	2	166226688	A	G	1243	E	G	0.759	Likely Benign
SCN2A	2	166226688	A	T	1243	E	V	0.95	Likely Pathogenic
SCN2A	2	166226689	A	C	1243	E	D	0.588	Likely Benign
SCN2A	2	166226689	A	T	1243	E	D	0.589	Likely Benign
SCN2A	2	166226690	T	A	1244	Y	N	0.989	Likely Pathogenic
SCN2A	2	166226690	T	C	1244	Y	H	0.97	Likely Pathogenic
SCN2A	2	166226690	T	G	1244	Y	D	0.992	Likely Pathogenic
SCN2A	2	166226691	A	C	1244	Y	S	0.989	Likely Pathogenic
SCN2A	2	166226691	A	G	1244	Y	C	0.939	Likely Pathogenic
SCN2A	2	166226691	A	T	1244	Y	F	0.705	Likely Benign
SCN2A	2	166226693	G	A	1245	A	T	0.614	Likely Benign
SCN2A	2	166226693	G	C	1245	A	P	0.985	Likely Pathogenic
SCN2A	2	166226693	G	T	1245	A	S	0.825	Likely Pathogenic
SCN2A	2	166226694	C	A	1245	A	D	0.991	Likely Pathogenic
SCN2A	2	166226694	C	G	1245	A	G	0.97	Likely Pathogenic
SCN2A	2	166226694	C	T	1245	A	V	0.838	Likely Pathogenic
SCN2A	2	166226696	G	A	1246	D	N	0.859	Likely Pathogenic
SCN2A	2	166226696	G	C	1246	D	H	0.992	Likely Pathogenic
SCN2A	2	166226696	G	T	1246	D	Y	0.988	Likely Pathogenic
SCN2A	2	166226697	A	G	1246	D	A	0.993	Likely Pathogenic
SCN2A	2	166226697	A	G	1246	D	G	0.99	Likely Pathogenic
SCN2A	2	166226697	A	T	1246	D	V	0.994	Likely Pathogenic
SCN2A	2	166226698	C	A	1246	D	E	0.805	Likely Pathogenic
SCN2A	2	166226698	C	G	1246	D	E	0.818	Likely Pathogenic
SCN2A	2	166226699	A	C	1247	K	Q	0.666	Likely Benign
SCN2A	2	166226699	A	G	1247	K	E	0.933	Likely Pathogenic
SCN2A	2	166226700	A	C	1247	K	T	0.94	Likely Pathogenic
SCN2A	2	166226700	A	G	1247	K	R	0.378	Likely Benign
SCN2A	2	166226700	A	T	1247	K	M	0.914	Likely Pathogenic
SCN2A	2	166226701	G	C	1247	K	N	0.77	Likely Benign
SCN2A	2	166226701	G	T	1247	K	N	0.772	Likely Benign
SCN2A	2	166226702	G	A	1248	V	I	0.248	Likely Benign
SCN2A	2	166226702	G	C	1248	V	L	0.401	Likely Benign
SCN2A	2	166226702	G	T	1248	V	F	0.546	Likely Benign
SCN2A	2	166226703	T	A	1248	V	D	0.99	Likely Pathogenic
SCN2A	2	166226703	T	C	1248	V	A	0.842	Likely Pathogenic
SCN2A	2	166226703	T	G	1248	V	G	0.967	Likely Pathogenic
SCN2A	2	166226705	A	C	1249	F	I	0.975	Likely Pathogenic
SCN2A	2	166226705	T	C	1249	F	L	0.978	Likely Pathogenic
SCN2A	2	166226705	T	G	1249	F	V	0.985	Likely Pathogenic
SCN2A	2	166226706	A	C	1249	F	Y	0.992	Likely Pathogenic
SCN2A	2	166226706	T	C	1249	F	S	0.996	Likely Pathogenic
SCN2A	2	166226706	T	G	1249	F	C	0.987	Likely Pathogenic
SCN2A	2	166226707	C	A	1249	F	L	0.96	Likely Pathogenic
SCN2A	2	166226707	C	G	1249	F	V	0.957	Likely Pathogenic
SCN2A	2	166226708	A	C	1250	T	P	0.993	Likely Pathogenic
SCN2A	2	166226708	A	G	1250	T	A	0.89	Likely Pathogenic
SCN2A	2	166226708	A	T	1250	T	S	0.829	Likely Pathogenic
SCN2A	2	166226709	C	A	1250	T	N	0.98	Likely Pathogenic
SCN2A	2	166226709	C	G	1250	T	S	0.89	Likely Pathogenic
SCN2A	2	166226709	C	T	1250	T	I	0.968	Likely Pathogenic
SCN2A	2	166226711	T	A	1251	Y	N	0.979	Likely Pathogenic
SCN2A	2	166226711	T	C	1251	Y	H	0.928	Likely Pathogenic
SCN2A	2	166226711	T	G	1251	Y	D	0.98	Likely Pathogenic
SCN2A	2	166226712	A	C	1251	Y	S	0.875	Likely Pathogenic
SCN2A	2	166226712	A	G	1251	Y	C	0.899	Likely Pathogenic
SCN2A	2	166226712	A	T	1251	Y	F	0.493	Likely Benign
SCN2A	2	166226714	A	C	1252	I	L	0.761	Likely Benign
SCN2A	2	166226714	A	G	1252	I	V	0.332	Likely Benign
SCN2A	2	166226714	A	T	1252	I	L	0.762	Likely Benign
SCN2A	2	166226715	T	A	1252	I	K	0.995	Likely Pathogenic
SCN2A	2	166226715	T	C	1252	I	T	0.987	Likely Pathogenic
SCN2A	2	166226715	T	G	1252	I	R	0.995	Likely Pathogenic
SCN2A	2	166226716	A	G	1252	I	M	0.972	Likely Pathogenic
SCN2A	2	166226717	T	A	1253	F	I	0.996	Likely Pathogenic
SCN2A	2	166226717	T	C	1253	F	L	0.992	Likely Pathogenic
SCN2A	2	166226717	T	G	1253	F	V	0.996	Likely Pathogenic
SCN2A	2	166226718	T	A	1253	F	Y	0.951	Likely Pathogenic
SCN2A	2	166226718	T	C	1253	F	S	0.997	Likely Pathogenic
SCN2A	2	166226718	T	G	1253	F	C	0.997	Likely Pathogenic
SCN2A	2	166226719	C	A	1253	F	L	0.988	Likely Pathogenic
SCN2A	2	166226719	C	G	1253	F	L	0.989	Likely Pathogenic
SCN2A	2	166226720	A	C	1254	I	L	0.618	Likely Benign
SCN2A	2	166226720	A	G	1254	I	V	0.284	Likely Benign
SCN2A	2	166226720	A	T	1254	I	F	0.745	Likely Benign
SCN2A	2	166226721	T	A	1254	I	N	0.988	Likely Pathogenic
SCN2A	2	166226721	T	C	1254	I	T	0.757	Likely Benign
SCN2A	2	166226721	T	G	1254	I	S	0.925	Likely Pathogenic
SCN2A	2	166226722	T	G	1254	I	M	0.973	Likely Pathogenic
SCN2A	2	166226723	A	C	1255	L	M	0.745	Likely Benign
SCN2A	2	166226723	C	G	1255	L	V	0.576	Likely Benign
SCN2A	2	166226724	T	A	1255	L	Q	0.992	Likely Pathogenic
SCN2A	2	166226724	T	C	1255	L	P	0.992	Likely Pathogenic
SCN2A	2	166226724	T	G	1255	L	R	0.988	Likely Pathogenic
SCN2A	2	166226726	G	A	1256	E	K	0.989	Likely Pathogenic
SCN2A	2	166226726	G	C	1256	E	Q	0.992	Likely Pathogenic
SCN2A	2	166226727	A	C	1256

GENE	CHR	DNA_LOC	REF_N	ALT_N	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166868709	G	T	1263	F	L	0.994	Likely Pathoaenic
SCN1A	2	166868708	T	A	1264	I	F	0.853	Likely Pathoaenic
SCN1A	2	166868708	T	C	1264	I	V	0.454	Likely Benign
SCN1A	2	166868708	T	G	1264	I	L	0.910	Likely Pathoaenic
SCN1A	2	166868707	A	C	1264	I	S	0.964	Likely Pathoaenic
SCN1A	2	166868707	A	G	1264	I	T	0.841	Likely Pathoaenic
SCN1A	2	166868707	A	T	1264	I	N	0.989	Likely Pathoaenic
SCN1A	2	166868706	A	C	1264	I	M	0.969	Likely Pathoaenic
SCN1A	2	166868705	G	C	1265	L	V	0.913	Likely Pathoaenic
SCN1A	2	166868705	G	T	1265	L	M	0.942	Likely Pathoaenic
SCN1A	2	166868704	A	C	1265	L	R	0.991	Likely Pathoaenic
SCN1A	2	166868704	A	G	1265	L	P	0.994	Likely Pathoaenic
SCN1A	2	166868704	A	T	1265	L	Q	0.994	Likely Pathoaenic
SCN1A	2	166868702	C	G	1266	E	Q	0.996	Likely Pathoaenic
SCN1A	2	166868702	C	T	1266	E	K	0.995	Likely Pathoaenic
SCN1A	2	166868701	T	A	1266	E	V	0.996	Likely Pathoaenic
SCN1A	2	166868701	T	C	1266	E	G	0.997	Likely Pathoaenic
SCN1A	2	166868701	T	G	1266	E	A	0.997	Likely Pathoaenic
SCN1A	2	166868700	T	A	1266	E	D	0.993	Likely Pathoaenic
SCN1A	2	166868700	T	G	1266	E	D	0.993	Likely Pathoaenic
SCN1A	2	166868699	T	A	1267	M	L	0.945	Likely Pathoaenic
SCN1A	2	166868699	T	C	1267	M	V	0.972	Likely Pathoaenic
SCN1A	2	166868699	T	G	1267	M	L	0.945	Likely Pathoaenic
SCN1A	2	166868698	A	C	1267	M	R	0.994	Likely Pathoaenic
SCN1A	2	166868698	A	G	1267	M	T	0.985	Likely Pathoaenic
SCN1A	2	166868698	A	T	1267	M	K	0.994	Likely Pathoaenic
SCN1A	2	166868697	C	A	1267	M	I	0.948	Likely Pathoaenic
SCN1A	2	166868697	C	G	1267	M	I	0.948	Likely Pathoaenic
SCN1A	2	166868697	C	T	1267	M	I	0.948	Likely Pathoaenic
SCN1A	2	166868696	G	A	1268	L	F	0.964	Likely Pathoaenic
SCN1A	2	166868696	G	C	1268	L	V	0.908	Likely Pathoaenic
SCN1A	2	166868696	G	T	1268	L	I	0.938	Likely Pathoaenic
SCN1A	2	166868695	A	C	1268	L	R	0.995	Likely Pathoaenic
SCN1A	2	166868695	A	G	1268	L	P	0.994	Likely Pathoaenic
SCN1A	2	166868695	A	T	1268	L	H	0.993	Likely Pathoaenic
SCN1A	2	166868693	G	C	1269	L	V	0.964	Likely Pathoaenic
SCN1A	2	166868693	G	T	1269	L	I	0.845	Likely Pathoaenic
SCN1A	2	166868692	A	C	1269	L	R	0.996	Likely Pathoaenic
SCN1A	2	166868692	A	G	1269	L	P	0.996	Likely Pathoaenic
SCN1A	2	166868692	A	T	1269	L	Q	0.996	Likely Pathoaenic
SCN1A	2	166868690	T	C	1270	K	E	0.994	Likely Pathoaenic
SCN1A	2	166868690	T	G	1270	K	Q	0.994	Likely Pathoaenic
SCN1A	2	166868689	T	A	1270	K	I	0.997	Likely Pathoaenic
SCN1A	2	166868689	T	C	1270	K	R	0.985	Likely Pathoaenic
SCN1A	2	166868689	T	G	1270	K	T	0.997	Likely Pathoaenic
SCN1A	2	166868688	T	A	1270	K	N	0.994	Likely Pathoaenic
SCN1A	2	166868688	T	G	1270	K	N	0.994	Likely Pathoaenic
SCN1A	2	166868687	A	C	1271	W	G	0.994	Likely Pathoaenic
SCN1A	2	166868687	A	G	1271	W	R	0.994	Likely Pathoaenic
SCN1A	2	166868687	A	T	1271	W	R	0.994	Likely Pathoaenic
SCN1A	2	166868686	C	A	1271	W	L	0.968	Likely Pathoaenic
SCN1A	2	166868686	C	G	1271	W	S	0.988	Likely Pathoaenic
SCN1A	2	166868685	C	A	1271	W	C	0.990	Likely Pathoaenic
SCN1A	2	166868685	C	G	1271	W	C	0.991	Likely Pathoaenic
SCN1A	2	166868684	C	A	1272	V	L	0.544	Likely Benian
SCN1A	2	166868684	C	G	1272	V	L	0.541	Likely Benian
SCN1A	2	166868684	C	T	1272	V	M	0.960	Likely Pathoaenic
SCN1A	2	166868683	A	C	1272	V	G	0.984	Likely Pathoaenic
SCN1A	2	166868683	A	G	1272	V	A	0.954	Likely Pathoaenic
SCN1A	2	166868683	A	T	1272	V	E	0.993	Likely Pathoaenic
SCN1A	2	166868681	C	A	1273	A	S	0.985	Likely Pathoaenic
SCN1A	2	166868681	C	G	1273	A	P	0.996	Likely Pathoaenic
SCN1A	2	166868681	C	T	1273	A	T	0.989	Likely Pathoaenic
SCN1A	2	166868680	G	A	1273	A	V	0.985	Likely Pathoaenic
SCN1A	2	166868680	G	C	1273	A	G	0.981	Likely Pathoaenic
SCN1A	2	166868680	G	T	1273	A	E	0.997	Likely Pathoaenic
SCN1A	2	166868678	A	C	1274	Y	D	0.972	Likely Pathoaenic
SCN1A	2	166868678	A	G	1274	Y	H	0.973	Likely Pathoaenic
SCN1A	2	166868678	A	T	1274	Y	N	0.975	Likely Pathoaenic
SCN1A	2	166868677	T	A	1274	Y	F	0.688	Likely Benian
SCN1A	2	166868677	T	C	1274	Y	C	0.974	Likely Pathoaenic
SCN1A	2	166868677	T	G	1274	Y	S	0.975	Likely Pathoaenic
SCN1A	2	166868675	C	A	1275	G	C	0.996	Likely Pathoaenic
SCN1A	2	166868675	C	G	1275	G	R	0.981	Likely Pathoaenic
SCN1A	2	166868675	C	T	1275	G	S	0.990	Likely Pathoaenic
SCN1A	2	166868674	C	A	1275	G	V	0.996	Likely Pathoaenic
SCN1A	2	166868674	C	G	1275	G	A	0.992	Likely Pathoaenic
SCN1A	2	166868674	C	T	1275	G	D	0.994	Likely Pathoaenic
SCN1A	2	166868672	A	C	1276	Y	D	0.934	Likely Pathoaenic
SCN1A	2	166868672	A	G	1276	Y	H	0.805	Likely Pathoaenic
SCN1A	2	166868672	A	T	1276	Y	N	0.933	Likely Pathoaenic
SCN1A	2	166868671	T	A	1276	Y	F	0.058	Likely Benian
SCN1A	2	166868671	T	C	1276	Y	C	0.906	Likely Pathoaenic
SCN1A	2	166868671	T	G	1276	Y	S	0.902	Likely Pathoaenic
SCN1A	2	166868669	C	G	1277	Q	E	0.507	Likely Benian
SCN1A	2	166868669	G	T	1277	Q	K	0.081	Likely Benian
SCN1A	2	166868668	T	A	1277	Q	L	0.683	Likely Benian
SCN1A	2	166868668	T	C	1277	Q	R	0.161	Likely Benian
SCN1A	2	166868668	T	G	1277	Q	P	0.827	Likely Pathoaenic
SCN1A	2	166868667	T	A	1277	Q	H	0.362	Likely Benian
SCN1A	2	166868667	T	G	1277	Q	H	0.356	Likely Benian
SCN1A	2	166868666	T	A	1278	T	S	0.276	Likely Benian
SCN1A	2	166868666	T	C	1278	T	A	0.321	Likely Benian
SCN1A	2	166868666	T	G	1278	T	P	0.731	Likely Benian
SCN1A	2	166868665	G	A	1278	T	I	0.487	Likely Benian
SCN1A	2	166868665	G	C	1278	T	R	0.471	Likely Benian
SCN1A	2	166868665	G	T	1278	T	K	0.176	Likely Benian
SCN1A	2	166868663	A	C	1279	Y	D	0.998	Likely Pathoaenic
SCN1A	2	166868663	A	G	1279	Y	H	0.997	Likely Pathoaenic
SCN1A	2	166868663	A	T	1279	Y	N	0.998	Likely Pathoaenic
SCN1A	2	166868662	T	A	1279	Y	F	0.965	Likely Pathoaenic
SCN1A	2	166868662	T	C	1279	Y	C	0.998	Likely Pathoaenic
SCN1A	2	166868662	T	G	1279	Y	S	0.996	Likely Pathoaenic
SCN1A	2	166868660	A	C	1280	F	V	0.986	Likely Pathoaenic
SCN1A	2	166868660	A	G	1280	F	L	0.955	Likely Pathoaenic
SCN1A	2	166868660	A	T	1280	F	I	0.980	Likely Pathoaenic
SCN1A	2	166868659	A	C	1280	F	C	0.981	Likely Pathoaenic
SCN1A	2	166868659	A	G	1280	F	S	0.992	Likely Pathoaenic
SCN1A	2	166868659	A	T	1280	F	Y	0.989	Likely Pathoaenic
SCN1A	2	166868658	C	G	1280	F	L	0.907	Likely Pathoaenic
SCN1A	2	166868658	G	T	1280	F	L	0.904	Likely Pathoaenic
SCN1A	2	166868657	T	A	1281	T	S	0.946	Likely Pathoaenic
SCN1A	2	166868657	T	C	1281	T	A	0.973	Likely Pathoaenic
SCN1A	2	166868657	T	G	1281	T	P	0.993	Likely Pathoaenic
SCN1A	2	166868656	G	A	1281	T	I	0.989	Likely Pathoaenic
SCN1A	2	166868656	G	C	1281	T	S	0.953	Likely Pathoaenic
SCN1A	2	166868656	G	T	1281	T	N	0.984	Likely Pathoaenic
SCN1A	2	166868654	T	A	1282	N	Y	0.991	Likely Pathoaenic
SCN1A	2	166868654	T	C	1282	N	D	0.894	Likely Pathoaenic
SCN1A	2	166868654	T	G	1282	N	H	0.986	Likely Pathoaenic
SCN1A	2	166868653	T	A	1282	N	I	0.994	Likely Pathoaenic
SCN1A	2	166868653	T	C	1282	N	S	0.927	Likely Pathoaenic
SCN1A	2	166868653	T	G	1282	N	T	0.990	Likely Pathoaenic
SCN1A	2	166868652	A	C	1282	N	K	0.982	Likely Pathoaenic
SCN1A	2	166868652	A	T	1282	N	K	0.982	Likely Pathoaenic
SCN1A	2	166868651	C	A	1283	A	S	0.965	Likely Pathoaenic
SCN1A	2	166868651	C	G	1283	A	P	0.946	Likely Pathoaenic
SCN1A	2	166868651	C	T	1283	A	T	0.965	Likely Pathoaenic
SCN1A	2	166868650	G	A	1283	A	V	0.967	Likely Pathoaenic
SCN1A	2	166868650	G	C	1283	A	G	0.954	Likely Pathoaenic
SCN1A	2	166868650	G	T	1283	A	D	0.987	Likely Pathoaenic
SCN1A	2	166868648	A	C	1284	W	G	0.995	Likely Pathoaenic
SCN1A	2	166868648	A	G	1284	W	R	0.997	Likely Pathoaenic
SCN1A	2	166868648	A	T	1284	W	R	0.997	Likely Pathoaenic
SCN1A	2	166868647	C	A	1284	W	L	0.997	Likely Pathoaenic
SCN1A	2	166868647	C	G	1284	W	S	0.997	Likely Pathoaenic
SCN1A	2	166868646	C	A	1284	W	C	0.997	Likely Pathoaenic
SCN1A	2	166868646	C	G	1284	W	C	0.997	Likely Pathoaenic
SCN1A	2	166868645	A	C	1285	C	G	0.982	Likely Pathoaenic
SCN1A	2	166868645	A	G	1285	C	R	0.984	Likely Pathoaenic
SCN1A	2	166868645	A	T	1285	C	S	0.978	Likely Pathoaenic
SCN1A	2	166868644	C	A	1285	C	F	0.985	Likely Pathoaenic
SCN1A	2	166868644	C	G	1285	C	S	0.978	Likely Pathoaenic
SCN1A	2	166868644	C	T	1285	C	Y	0.985	Likely Pathoaenic
SCN1A	2	166868643	A	C	1285	C	W	0.993	Likely Pathoaenic
SCN1A	2	166868642	A	C	1286	W	G	0.993	Likely Pathoaenic
SCN1A	2	166868642	A	G	1286	W	R	0.972	Likely Pathoaenic
SCN1A	2	166868642	A	T	1286	W	R	0.972	Likely Pathoaenic
SCN1A	2	166868641	C	A	1286	W	L	0.966	Likely Pathoaenic
SCN1A	2	166868641	C	G	1286	W	S	0.994	Likely Pathoaenic
SCN1A	2	166868640	C	A	1286	W	C	0.970	Likely Pathoaenic
SCN1A	2	166868640	C	G	1286	W	C	0.970	Likely Pathoaenic
SCN1A	2	166868639	G	C	1287	L	V	0.991	Likely Pathoaenic
SCN1A	2	166868639	G	T	1287	L	M	0.984	Likely Pathoaenic
SCN1A	2	166868638	A	C	1287	L	R	0.997	Likely Pathoaenic
SCN1A	2	166868638	A	G	1287	L	P	0.995	Likely Pathoaenic
SCN1A	2	166868638	A	T	1287	L	Q	0.997	Likely Pathoaenic
SCN1A	2	166868636	C	A	1288	D	Y	0.997	Likely Pathoaenic
SCN1A	2	166868636	C	G	1288	D	H	0.997	Likely Pathoaenic
SCN1A	2	166868636	C	T	1288	D	N	0.996	Likely Pathoaenic
SCN1A	2	166868635	T	A	1288	D	V	0.998	Likely Pathoaenic
SCN1A	2	166868635	T	C	1288	D	G	0.998	Likely Pathoaenic
SCN1A	2	166868635	T	G	1288	D	A	0.997	Likely Pathoaenic
SCN1A	2	166868634	G	C	1288	D	E	0.997	Likely Pathoaenic
SCN1A	2	166868634	G	T	1288	D	E	0.997	Likely Pathoaenic
SCN1A	2	166868633	A	C	1289	F	V	0.990	Likely Pathoaenic
SCN1A	2	166868633	A	G	1289	F	L	0.983	Likely Pathoaenic
SCN1A	2	166868633	A	T	1289	F	I	0.993	Likely Pathoaenic
SCN1A	2	166868632	A	C	1289	F	C	0.988	Likely Pathoaenic
SCN1A	2	166868632	A	G	1289	F	S	0.990	Likely Pathoaenic
SCN1A	2	166868632	A	T	1289	F	Y	0.997	Likely Pathoaenic
SCN1A	2	166868631	G	C	1289	F	L	0.980	Likely Pathoaenic
SCN1A	2	166868631	G	T	1289	F	L	0.979	Likely Pathoaenic
SCN1A	2	166868630	A	C	1290	L	V	0.415	Likely Benian
SCN1A	2	166868630	A	T	1290	L	I	0.551	Likely Benian
SCN1A	2	166868629	A	G	1290	L	S	0.966	Likely Pathoaenic
SCN1A	2	166868628	T	A	1290	L	F	0.563	Likely Benian
SCN1A	2	166868628	T	G	1290	L	F	0.551	Likely Benian
SCN1A	2	166868627	T	A	1291	I	F	0.996	Likely Pathoaenic
SCN1A	2	166868627	T	C	1291	I	V	0.957	Likely Pathoaenic
SCN1A	2	166868627	T	G	1291	I	L	0.981	Likely Pathoaenic
SCN1A	2	166868626	A	C	1291	I	S	0.992	Likely Pathoaenic
SCN1A	2	166868626	A	G	1291	I	T	0.991	Likely Pathoaenic
SCN1A	2	166868626	A	T	1291	I	N	0.996	Likely Pathoaenic
SCN1A	2	166868625	A	C	1291	I	M	0.992	Likely Pathoaenic
SCN1A	2	166868624	C	A	1292	V	F	0.996	Likely Pathoaenic
SCN1A	2	166868624	C	G	1292	V	L	0.992	Likely Pathoaenic

GENE	CHR	DNA_LOC	REF_N	ALT_N	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166226741	T	C	1261	W	R	0.99	Likely Pathogenic
SCN2A	2	166226741	T	G	1261	W	G	0.991	Likely Pathogenic
SCN2A	2	166226742	G	C	1261	W	S	0.964	Likely Pathogenic
SCN2A	2	166226742	G	T	1261	W	L	0.842	Likely Pathogenic
SCN2A	2	166226743	G	C	1261	W	C	0.973	Likely Pathogenic
SCN2A	2	166226743	G	T	1261	W	C	0.975	Likely Pathogenic
SCN2A	2	166226744	G	A	1262	V	I	0.265	Likely Benign
SCN2A	2	166226744	G	C	1262	V	L	0.436	Likely Benign
SCN2A	2	166226744	G	T	1262	V	F	0.658	Likely Benign
SCN2A	2	166226745	T	A	1262	V	D	0.989	Likely Pathogenic
SCN2A	2	166226745	T	C	1262	V	A	0.882	Likely Pathogenic
SCN2A	2	166226745	T	G	1262	V	G	0.971	Likely Pathogenic
SCN2A	2	166226747	G	A	1263	A	T	0.946	Likely Pathogenic
SCN2A	2	166226747	G	C	1263	A	P	0.994	Likely Pathogenic
SCN2A	2	166226747	G	T	1263	A	S	0.878	Likely Pathogenic
SCN2A	2	166226748	C	A	1263	A	E	0.995	Likely Pathogenic
SCN2A	2	166226748	C	G	1263	A	G	0.835	Likely Pathogenic
SCN2A	2	166226748	C	T	1263	A	V	0.944	Likely Pathogenic
SCN2A	2	166226750	T	A	1264	Y	N	0.831	Likely Pathogenic
SCN2A	2	166226750	T	C	1264	Y	H	0.869	Likely Pathogenic
SCN2A	2	166226750	T	G	1264	Y	D	0.882	Likely Pathogenic
SCN2A	2	166226751	A	C	1264	Y	S	0.826	Likely Pathogenic
SCN2A	2	166226751	A	G	1264	Y	C	0.872	Likely Pathogenic
SCN2A	2	166226751	A	T	1264	Y	F	0.322	Likely Benign
SCN2A	2	166226753	G	A	1265	G	S	0.943	Likely Pathogenic
SCN2A	2	166226753	G	C	1265	G	R	0.919	Likely Pathogenic
SCN2A	2	166226753	G	T	1265	G	C	0.989	Likely Pathogenic
SCN2A	2	166226754	A	C	1265	G	D	0.989	Likely Pathogenic
SCN2A	2	166226754	G	C	1265	G	A	0.987	Likely Pathogenic
SCN2A	2	166226754	G	T	1265	G	V	0.993	Likely Pathogenic
SCN2A	2	166226756	A	C	1266	F	I	0.945	Likely Pathogenic
SCN2A	2	166226756	T	C	1266	F	L	0.735	Likely Benign
SCN2A	2	166226756	T	G	1266	F	V	0.918	Likely Pathogenic
SCN2A	2	166226757	T	A	1266	F	Y	0.595	Likely Benign
SCN2A	2	166226757	T	C	1266	F	S	0.976	Likely Pathogenic
SCN2A	2	166226757	T	G	1266	F	C	0.988	Likely Pathogenic
SCN2A	2	166226758	T	A	1266	F	L	0.812	Likely Pathogenic
SCN2A	2	166226758	T	G	1266	F	L	0.815	Likely Pathogenic
SCN2A	2	166226759	C	A	1267	Q	K	0.066	Likely Benign
SCN2A	2	166226759	C	G	1267	Q	E	0.281	Likely Benign
SCN2A	2	166226760	A	C	1267	Q	P	0.265	Likely Benign
SCN2A	2	166226760	A	G	1267	Q	R	0.089	Likely Benign
SCN2A	2	166226760	A	T	1267	Q	L	0.254	Likely Benign
SCN2A	2	166226761	A	C	1267	Q	H	0.247	Likely Benign
SCN2A	2	166226761	A	T	1267	Q	H	0.26	Likely Benign
SCN2A	2	166226762	G	A	1268	V	M	0.301	Likely Benign
SCN2A	2	166226762	G	C	1268	V	L	0.291	Likely Benign
SCN2A	2	166226762	G	T	1268	V	L	0.292	Likely Benign
SCN2A	2	166226763	T	A	1268	V	E	0.275	Likely Benign
SCN2A	2	166226763	T	C	1268	V	A	0.111	Likely Benign
SCN2A	2	166226763	T	G	1268	V	G	0.211	Likely Benign
SCN2A	2	166226765	T	A	1269	Y	N	0.997	Likely Pathogenic
SCN2A	2	166226765	T	C	1269	Y	H	0.996	Likely Pathogenic
SCN2A	2	166226765	T	G	1269	Y	D	0.997	Likely Pathogenic
SCN2A	2	166226766	A	C	1269	Y	S	0.996	Likely Pathogenic
SCN2A	2	166226766	A	G	1269	Y	C	0.997	Likely Pathogenic
SCN2A	2	166226766	A	T	1269	Y	F	0.686	Likely Benign
SCN2A	2	166226768	T	A	1270	F	I	0.87	Likely Pathogenic
SCN2A	2	166226768	T	C	1270	F	L	0.747	Likely Benign
SCN2A	2	166226768	T	G	1270	F	V	0.97	Likely Pathogenic
SCN2A	2	166226769	T	A	1270	F	Y	0.969	Likely Pathogenic
SCN2A	2	166226769	T	C	1270	F	S	0.984	Likely Pathogenic
SCN2A	2	166226769	T	G	1270	F	C	0.937	Likely Pathogenic
SCN2A	2	166226770	T	A	1270	F	L	0.865	Likely Pathogenic
SCN2A	2	166226770	T	G	1270	F	L	0.865	Likely Pathogenic
SCN2A	2	166226771	A	C	1271	T	P	0.99	Likely Pathogenic
SCN2A	2	166226771	A	G	1271	T	A	0.893	Likely Pathogenic
SCN2A	2	166226771	A	T	1271	T	S	0.584	Likely Benign
SCN2A	2	166226772	C	A	1271	T	N	0.979	Likely Pathogenic
SCN2A	2	166226772	C	G	1271	T	S	0.667	Likely Benign
SCN2A	2	166226772	C	T	1271	T	I	0.982	Likely Pathogenic
SCN2A	2	166226774	A	C	1272	N	H	0.955	Likely Pathogenic
SCN2A	2	166226774	A	G	1272	N	D	0.653	Likely Benign
SCN2A	2	166226774	A	T	1272	N	Y	0.986	Likely Pathogenic
SCN2A	2	166226775	A	C	1272	N	T	0.965	Likely Pathogenic
SCN2A	2	166226775	A	G	1272	N	S	0.451	Likely Benign
SCN2A	2	166226775	A	T	1272	N	I	0.99	Likely Pathogenic
SCN2A	2	166226776	T	A	1272	N	K	0.916	Likely Pathogenic
SCN2A	2	166226776	T	G	1272	N	K	0.909	Likely Pathogenic
SCN2A	2	166226777	G	A	1273	A	T	0.631	Likely Benign
SCN2A	2	166226777	G	C	1273	A	P	0.514	Likely Benign
SCN2A	2	166226777	G	T	1273	A	S	0.722	Likely Benign
SCN2A	2	166226778	C	A	1273	A	D	0.98	Likely Pathogenic
SCN2A	2	166226778	C	G	1273	A	G	0.77	Likely Benign
SCN2A	2	166226778	C	T	1273	A	V	0.763	Likely Benign
SCN2A	2	166226780	T	A	1274	W	R	0.997	Likely Pathogenic
SCN2A	2	166226780	T	C	1274	W	R	0.997	Likely Pathogenic
SCN2A	2	166226780	T	G	1274	W	G	0.994	Likely Pathogenic
SCN2A	2	166226781	G	C	1274	W	S	0.994	Likely Pathogenic
SCN2A	2	166226781	G	T	1274	W	L	0.995	Likely Pathogenic
SCN2A	2	166226782	C	A	1274	W	C	0.997	Likely Pathogenic
SCN2A	2	166226782	C	G	1274	W	C	0.997	Likely Pathogenic
SCN2A	2	166226783	T	A	1275	C	S	0.901	Likely Pathogenic
SCN2A	2	166226783	T	G	1275	C	R	0.966	Likely Pathogenic
SCN2A	2	166226783	T	G	1275	C	G	0.933	Likely Pathogenic
SCN2A	2	166226784	G	A	1275	C	Y	0.969	Likely Pathogenic
SCN2A	2	166226784	G	C	1275	C	S	0.851	Likely Pathogenic
SCN2A	2	166226784	G	T	1275	C	F	0.976	Likely Pathogenic
SCN2A	2	166226785	C	G	1275	C	W	0.984	Likely Pathogenic
SCN2A	2	166226786	T	A	1276	W	R	0.871	Likely Pathogenic
SCN2A	2	166226786	T	C	1276	W	R	0.875	Likely Pathogenic
SCN2A	2	166226786	T	G	1276	W	G	0.99	Likely Pathogenic
SCN2A	2	166226787	G	C	1276	W	S	0.986	Likely Pathogenic
SCN2A	2	166226787	G	T	1276	W	L	0.74	Likely Benign
SCN2A	2	166226788	G	C	1276	W	C	0.807	Likely Pathogenic
SCN2A	2	166226788	G	T	1276	W	C	0.807	Likely Pathogenic
SCN2A	2	166226789	A	T	1277	L	I	0.952	Likely Benign
SCN2A	2	166226789	C	G	1277	L	V	0.981	Likely Pathogenic
SCN2A	2	166226790	T	A	1277	L	Q	0.996	Likely Pathogenic
SCN2A	2	166226790	T	C	1277	L	P	0.994	Likely Pathogenic
SCN2A	2	166226790	T	G	1277	L	R	0.996	Likely Pathogenic
SCN2A	2	166226792	G	A	1278	D	N	0.993	Likely Pathogenic
SCN2A	2	166226792	G	C	1278	D	H	0.996	Likely Pathogenic
SCN2A	2	166226792	G	T	1278	D	Y	0.997	Likely Pathogenic
SCN2A	2	166226793	A	C	1278	D	A	0.997	Likely Pathogenic
SCN2A	2	166226793	A	G	1278	D	G	0.997	Likely Pathogenic
SCN2A	2	166226793	A	T	1278	D	V	0.997	Likely Pathogenic
SCN2A	2	166226794	C	A	1278	D	V	0.995	Likely Pathogenic
SCN2A	2	166226794	C	G	1278	D	E	0.996	Likely Pathogenic
SCN2A	2	166226795	T	A	1279	F	I	0.981	Likely Pathogenic
SCN2A	2	166226795	T	C	1279	F	L	0.928	Likely Pathogenic
SCN2A	2	166226795	T	G	1279	F	V	0.976	Likely Pathogenic
SCN2A	2	166226796	T	A	1279	F	Y	0.996	Likely Pathogenic
SCN2A	2	166226796	T	C	1279	F	S	0.979	Likely Pathogenic
SCN2A	2	166226796	T	G	1279	F	C	0.983	Likely Pathogenic
SCN2A	2	166226797	C	A	1279	F	L	0.856	Likely Pathogenic
SCN2A	2	166226797	C	G	1279	F	L	0.859	Likely Pathogenic
SCN2A	2	166226798	C	A	1280	L	M	0.866	Likely Pathogenic
SCN2A	2	166226798	C	G	1280	L	V	0.313	Likely Benign
SCN2A	2	166226799	T	A	1280	L	Q	0.98	Likely Pathogenic
SCN2A	2	166226799	T	C	1280	L	P	0.986	Likely Pathogenic
SCN2A	2	166226799	T	G	1280	L	R	0.968	Likely Pathogenic
SCN2A	2	166226801	A	C	1281	I	L	0.846	Likely Pathogenic
SCN2A	2	166226801	A	G	1281	I	V	0.492	Likely Benign
SCN2A	2	166226801	A	T	1281	I	F	0.994	Likely Pathogenic
SCN2A	2	166226802	A	C	1281	I	N	0.995	Likely Pathogenic
SCN2A	2	166226802	T	C	1281	I	T	0.986	Likely Pathogenic
SCN2A	2	166226802	T	G	1281	I	S	0.991	Likely Pathogenic
SCN2A	2	166226803	T	A	1281	I	M	0.988	Likely Pathogenic
SCN2A	2	166226804	G	A	1282	V	I	0.904	Likely Pathogenic
SCN2A

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166868624	C	T	1292	V	I	0.983	Likely Pathoenic
SCN1A	2	166868623	A	C	1292	V	G	0.997	Likely Pathoenic
SCN1A	2	166868623	A	G	1292	V	A	0.996	Likely Pathoenic
SCN1A	2	166868623	A	T	1292	V	D	0.997	Likely Pathoenic
SCN1A	2	166868621	C	A	1293	D	Y	0.978	Likely Pathoenic
SCN1A	2	166868621	C	G	1293	D	H	0.985	Likely Pathoenic
SCN1A	2	166868621	C	T	1293	D	N	0.881	Likely Pathoenic
SCN1A	2	166868620	T	A	1293	D	V	0.911	Likely Pathoenic
SCN1A	2	166868620	T	C	1293	D	G	0.839	Likely Pathoenic
SCN1A	2	166868620	T	G	1293	D	A	0.817	Likely Pathoenic
SCN1A	2	166868619	A	C	1293	D	E	0.981	Likely Pathoenic
SCN1A	2	166868619	A	T	1293	D	E	0.981	Likely Pathoenic
SCN1A	2	166868350	A	C	1294	V	G	0.964	Likely Pathoenic
SCN1A	2	166868350	A	G	1294	V	A	0.861	Likely Pathoenic
SCN1A	2	166868350	A	T	1294	V	D	0.989	Likely Pathoenic
SCN1A	2	166868348	A	C	1295	S	A	0.975	Likely Pathoenic
SCN1A	2	166868348	A	G	1295	S	P	0.995	Likely Pathoenic
SCN1A	2	166868348	A	T	1295	S	T	0.990	Likely Pathoenic
SCN1A	2	166868347	G	A	1295	S	L	0.990	Likely Pathoenic
SCN1A	2	166868345	A	C	1296	L	V	0.736	Likely Benian
SCN1A	2	166868345	A	T	1296	L	M	0.979	Likely Pathoenic
SCN1A	2	166868344	A	C	1296	L	W	0.979	Likely Pathoenic
SCN1A	2	166868344	A	G	1296	L	S	0.991	Likely Pathoenic
SCN1A	2	166868343	C	A	1296	L	F	0.976	Likely Pathoenic
SCN1A	2	166868343	C	G	1296	L	F	0.976	Likely Pathoenic
SCN1A	2	166868342	C	A	1297	V	F	0.972	Likely Pathoenic
SCN1A	2	166868342	C	G	1297	V	L	0.723	Likely Benian
SCN1A	2	166868342	C	T	1297	V	I	0.285	Likely Benian
SCN1A	2	166868341	A	C	1297	V	G	0.990	Likely Pathoenic
SCN1A	2	166868341	A	G	1297	V	A	0.917	Likely Pathoenic
SCN1A	2	166868341	A	T	1297	V	D	0.994	Likely Pathoenic
SCN1A	2	166868339	T	A	1298	S	C	0.984	Likely Pathoenic
SCN1A	2	166868339	T	C	1298	S	G	0.902	Likely Pathoenic
SCN1A	2	166868339	T	G	1298	S	R	0.991	Likely Pathoenic
SCN1A	2	166868338	C	A	1298	S	I	0.989	Likely Pathoenic
SCN1A	2	166868338	C	G	1298	S	T	0.808	Likely Pathoenic
SCN1A	2	166868338	C	T	1298	S	N	0.892	Likely Pathoenic
SCN1A	2	166868337	A	C	1298	S	R	0.992	Likely Pathoenic
SCN1A	2	166868337	A	T	1298	S	R	0.992	Likely Pathoenic
SCN1A	2	166868336	A	C	1299	L	V	0.960	Likely Pathoenic
SCN1A	2	166868336	A	T	1299	L	I	0.913	Likely Pathoenic
SCN1A	2	166868335	A	G	1299	L	S	0.982	Likely Pathoenic
SCN1A	2	166868334	T	A	1299	L	F	0.921	Likely Pathoenic
SCN1A	2	166868334	T	G	1299	L	F	0.921	Likely Pathoenic
SCN1A	2	166868333	T	A	1300	T	S	0.762	Likely Benian
SCN1A	2	166868333	T	C	1300	T	A	0.333	Likely Benian
SCN1A	2	166868333	T	G	1300	T	P	0.874	Likely Pathoenic
SCN1A	2	166868332	G	A	1300	T	I	0.302	Likely Benian
SCN1A	2	166868332	G	C	1300	T	R	0.977	Likely Pathoenic
SCN1A	2	166868332	G	T	1300	T	K	0.965	Likely Pathoenic
SCN1A	2	166868330	C	A	1301	A	S	0.980	Likely Pathoenic
SCN1A	2	166868330	C	G	1301	A	P	0.979	Likely Pathoenic
SCN1A	2	166868330	C	T	1301	A	T	0.983	Likely Pathoenic
SCN1A	2	166868329	G	A	1301	A	V	0.971	Likely Pathoenic
SCN1A	2	166868329	G	C	1301	A	G	0.974	Likely Pathoenic
SCN1A	2	166868329	G	T	1301	A	E	0.988	Likely Pathoenic
SCN1A	2	166868327	T	A	1302	N	Y	0.961	Likely Pathoenic
SCN1A	2	166868327	T	C	1302	N	D	0.851	Likely Pathoenic
SCN1A	2	166868327	T	G	1302	N	H	0.941	Likely Pathoenic
SCN1A	2	166868326	T	A	1302	N	I	0.966	Likely Pathoenic
SCN1A	2	166868326	T	C	1302	N	S	0.396	Likely Benian
SCN1A	2	166868326	T	G	1302	N	T	0.604	Likely Benian
SCN1A	2	166868325	A	C	1302	N	K	0.662	Likely Benian
SCN1A	2	166868325	A	T	1302	N	K	0.666	Likely Benian
SCN1A	2	166868324	C	A	1303	A	S	0.841	Likely Pathoenic
SCN1A	2	166868324	C	G	1303	A	P	0.969	Likely Pathoenic
SCN1A	2	166868324	C	T	1303	A	T	0.876	Likely Pathoenic
SCN1A	2	166868323	G	A	1303	A	V	0.937	Likely Pathoenic
SCN1A	2	166868323	G	C	1303	A	G	0.970	Likely Pathoenic
SCN1A	2	166868323	G	T	1303	A	D	0.972	Likely Pathoenic
SCN1A	2	166868321	A	C	1304	L	V	0.890	Likely Pathoenic
SCN1A	2	166868321	A	T	1304	L	M	0.915	Likely Pathoenic
SCN1A	2	166868320	A	C	1304	L	W	0.990	Likely Pathoenic
SCN1A	2	166868320	A	G	1304	L	S	0.964	Likely Pathoenic
SCN1A	2	166868319	C	A	1304	L	F	0.954	Likely Pathoenic
SCN1A	2	166868319	C	G	1304	L	F	0.954	Likely Pathoenic
SCN1A	2	166868318	C	A	1305	G	C	0.987	Likely Pathoenic
SCN1A	2	166868318	C	G	1305	G	R	0.987	Likely Pathoenic
SCN1A	2	166868318	C	T	1305	G	S	0.934	Likely Pathoenic
SCN1A	2	166868317	C	A	1305	G	V	0.986	Likely Pathoenic
SCN1A	2	166868317	C	G	1305	G	A	0.972	Likely Pathoenic
SCN1A	2	166868317	C	T	1305	G	D	0.952	Likely Pathoenic
SCN1A	2	166868315	A	C	1306	Y	D	0.933	Likely Pathoenic
SCN1A	2	166868315	A	G	1306	Y	H	0.932	Likely Pathoenic
SCN1A	2	166868315	A	T	1306	Y	N	0.908	Likely Pathoenic
SCN1A	2	166868314	T	A	1306	Y	F	0.653	Likely Benian
SCN1A	2	166868314	T	C	1306	Y	C	0.968	Likely Pathoenic
SCN1A	2	166868314	T	G	1306	Y	S	0.830	Likely Pathoenic
SCN1A	2	166868312	A	C	1307	S	A	0.478	Likely Benian
SCN1A	2	166868312	A	G	1307	S	P	0.881	Likely Pathoenic
SCN1A	2	166868312	A	T	1307	S	T	0.951	Likely Pathoenic
SCN1A	2	166868311	G	A	1307	S	L	0.956	Likely Pathoenic
SCN1A	2	166868309	C	G	1308	E	Q	0.661	Likely Benian
SCN1A	2	166868309	C	T	1308	E	K	0.526	Likely Benian
SCN1A	2	166868308	T	A	1308	E	V	0.877	Likely Pathoenic
SCN1A	2	166868308	T	C	1308	E	G	0.636	Likely Benian
SCN1A	2	166868308	T	G	1308	E	A	0.740	Likely Benian
SCN1A	2	166868307	A	C	1308	E	D	0.169	Likely Benian
SCN1A	2	166868307	T	G	1308	E	D	0.169	Likely Benian
SCN1A	2	166868306	G	A	1309	L	F	0.868	Likely Pathoenic
SCN1A	2	166868306	G	C	1309	L	V	0.834	Likely Pathoenic
SCN1A	2	166868306	G	T	1309	L	I	0.661	Likely Benian
SCN1A	2	166868305	A	C	1309	L	R	0.978	Likely Pathoenic
SCN1A	2	166868305	A	G	1309	L	P	0.980	Likely Pathoenic
SCN1A	2	166868305	A	T	1309	L	H	0.983	Likely Pathoenic
SCN1A	2	166868303	C	G	1310	G	R	0.919	Likely Pathoenic
SCN1A	2	166868303	C	T	1310	G	R	0.920	Likely Pathoenic
SCN1A	2	166868302	C	A	1310	G	V	0.951	Likely Pathoenic
SCN1A	2	166868302	C	G	1310	G	A	0.521	Likely Benian
SCN1A	2	166868302	C	T	1310	G	E	0.907	Likely Pathoenic
SCN1A	2	166868300	C	A	1311	A	S	0.828	Likely Pathoenic
SCN1A	2	166868300	C	G	1311	A	P	0.774	Likely Benian
SCN1A	2	166868300	C	T	1311	A	T	0.967	Likely Pathoenic
SCN1A	2	166868299	A	C	1311	A	V	0.963	Likely Pathoenic
SCN1A	2	166868299	G	C	1311	A	G	0.956	Likely Pathoenic
SCN1A	2	166868299	G	T	1311	A	D	0.968	Likely Pathoenic
SCN1A	2	166868297	A	G	1312	I	F	0.886	Likely Pathoenic
SCN1A	2	166868297	T	C	1312	I	V	0.832	Likely Pathoenic
SCN1A	2	166868297	T	G	1312	I	L	0.841	Likely Pathoenic
SCN1A	2	166868296	A	C	1312	I	S	0.983	Likely Pathoenic
SCN1A	2	166868296	A	G	1312	I	T	0.989	Likely Pathoenic
SCN1A	2	166868296	A	T	1312	I	N	0.993	Likely Pathoenic
SCN1A	2	166868295	G	C	1312	I	M	0.919	Likely Pathoenic
SCN1A	2	166868294	T	C	1313	K	E	0.977	Likely Pathoenic
SCN1A	2	166868294	T	G	1313	K	Q	0.975	Likely Pathoenic
SCN1A	2	166868293	A	G	1313	K	I	0.988	Likely Pathoenic
SCN1A	2	166868293	T	C	1313	K	R	0.491	Likely Benian
SCN1A	2	166868293	T	G	1313	K	T	0.950	Likely Pathoenic
SCN1A	2	166868292	T	A	1313	K	N	0.975	Likely Pathoenic
SCN1A	2	166868292	T	G	1313	K	N	0.976	Likely Pathoenic
SCN1A	2	166868291	A	C	1314	S	A	0.760	Likely Benian
SCN1A	2	166868291	A	G	1314	S	P	0.986	Likely Pathoenic
SCN1A	2	166868291	A	T	1314	S	T	0.862	Likely Pathoenic
SCN1A	2	166868290	G	A	1314	S	F	0.975	Likely Pathoenic
SCN1A	2	166868290	G	C	1314	S	C	0.992	Likely Pathoenic
SCN1A	2	166868290	G	T	1314	S	Y	0.988	Likely Pathoenic
SCN1A	2	166868288	G	A	1315	L	F	0.975	Likely Pathoenic
SCN1A	2	166868288	G	C	1315	L	V	0.984	Likely Pathoenic
SCN1A	2	166868288	G	T	1315	L	I	0.982	Likely Pathoenic
SCN1A	2	166868287	A	C	1315	L	R	0.997	Likely Pathoenic
SCN1A	2	166868287	A	G	1315	L	P	0.996	Likely Pathoenic
SCN1A	2	166868287	A	T	1315	L	H	0.997	Likely Pathoenic
SCN1A	2	166868285	T	A	1316	R	W	0.996	Likely Pathoenic
SCN1A	2	166868285	T	C	1316	R	G	0.994	Likely Pathoenic
SCN1A	2	166868284	C	A	1316	R	M	0.994	Likely Pathoenic
SCN1A	2	166868284	C	G	1316	R	T	0.996	Likely Pathoenic
SCN1A	2	166868284	C	T	1316	R	K	0.990	Likely Pathoenic
SCN1A	2	166868283	C	A	1316	R	S	0.996	Likely Pathoenic
SCN1A	2	166868283	C	G	1316	R	S	0.996	Likely Pathoenic
SCN1A	2	166868282	T	A	1317	T	S	0.979	Likely Pathoenic
SCN1A	2	166868282	T	C	1317	T	A	0.966	Likely Pathoenic
SCN1A	2	166868282	T	G	1317	T	P	0.993	Likely Pathoenic
SCN1A	2	166868281	G	A	1317	T	I	0.978	Likely Pathoenic
SCN1A	2	166868281	G	C	1317	T	R	0.995	Likely Pathoenic
SCN1A	2	166868281	G	T	1317	T	K	0.994	Likely Pathoenic
SCN1A	2	166868279	G	C	1318	L	V	0.976	Likely Pathoenic
SCN1A	2	166868279	G	T	1318	L	I	0.968	Likely Pathoenic
SCN1A	2	166868278	A	C	1318	L	R	0.995	Likely Pathoenic
SCN1A	2	166868278	A	G	1318	L	P	0.995	Likely Pathoenic
SCN1A	2	166868278	A	T	1318	L	Q	0.997	Likely Pathoenic
SCN1A	2	166868276	T	C	1319	R	G	0.995	Likely Pathoenic
SCN1A	2	166868275	C	A	1319	R	I	0.995	Likely Pathoenic
SCN1A	2	166868275	C	G	1319	R	T	0.996	Likely Pathoenic
SCN1A	2	166868275	C	T	1319	R	K	0.997	Likely Pathoenic
SCN1A	2	166868274	T	A	1319	R	S	0.989	Likely Pathoenic
SCN1A	2	166868274	T	G	1319	R	S	0.994	Likely Pathoenic
SCN1A	2	166868273	C	A	1320	A	S	0.994	Likely Pathoenic
SCN1A	2	166868273	C	G	1320	A	P	0.985	Likely Pathoenic
SCN1A	2	166868273	C	T	1320	A	T	0.992	Likely Pathoenic
SCN1A	2	166868272	G	A	1320	A	V	0.978	Likely Pathoenic
SCN1A	2	166868272	G	C	1320	A	G	0.961	Likely Pathoenic
SCN1A	2	166868272	G	T	1320	A	D	0.992	Likely Pathoenic
SCN1A	2	166868270	G	C	1321	L	V	0.993	Likely Pathoenic
SCN1A	2	166868270	G	T	1321	L	M	0.991	Likely Pathoenic
SCN1A	2	166868269	A	C	1321	L	R	0.988	Likely Pathoenic
SCN1A	2	166868269	A	G	1321	L	P	0.997	Likely Pathoenic
SCN1A	2	166868269	A	T	1321	L	Q	0.997	Likely Pathoenic
SCN1A	2	166868267	T	C	1322	R	G	0.997	Likely Pathoenic
SCN1A	2	166868266	C	A	1322	R	I	0.998	Likely Pathoenic
SCN1A	2	166868266	C	G	1322	R	T	0.998	Likely Pathoenic
SCN1A	2	166868266	C	T	1322	R	K	0.996	Likely Pathoenic
SCN1A	2	166868265	T	A	1322	R	S	0.997	Likely Pathoenic
SCN1A	2	166868265	T	G	1322	R	S	0.997	Likely Pathoenic
SCN1A	2	166868264	G	A	1323	P	S	0.988	Likely Pathoenic
SCN1A	2	166868264	G	C	1323	P	A	0.984	Likely Pathoenic
SCN1A	2	166868264	G	T	1323	P	T	0.994	Likely Pathoenic
SCN1A	2	166868263	G	A	1323	P	L	0.980	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166229753	A	T	1290	T	S	0.486	Likely Benign
SCN2A	2	166229754	C	A	1290	T	N	0.661	Likely Benign
SCN2A	2	166229754	C	G	1290	T	S	0.424	Likely Benign
SCN2A	2	166229754	C	T	1290	T	I	0.139	Likely Benign
SCN2A	2	166229756	G	A	1291	A	T	0.876	Likely Pathogenic
SCN2A	2	166229756	G	C	1291	A	P	0.796	Likely Pathogenic
SCN2A	2	166229756	G	T	1291	A	S	0.82	Likely Pathogenic
SCN2A	2	166229757	C	A	1291	A	E	0.946	Likely Pathogenic
SCN2A	2	166229757	C	G	1291	A	G	0.547	Likely Benign
SCN2A	2	166229757	C	T	1291	A	V	0.535	Likely Benign
SCN2A	2	166229759	A	C	1291	N	H	0.735	Likely Benign
SCN2A	2	166229759	A	G	1292	N	D	0.533	Likely Benign
SCN2A	2	166229759	A	T	1292	N	Y	0.868	Likely Pathogenic
SCN2A	2	166229760	A	C	1292	N	T	0.291	Likely Benign
SCN2A	2	166229760	A	G	1292	N	S	0.298	Likely Benign
SCN2A	2	166229760	A	T	1292	N	I	0.781	Likely Benign
SCN2A	2	166229761	T	A	1292	N	K	0.425	Likely Benign
SCN2A	2	166229761	T	G	1292	N	K	0.426	Likely Benign
SCN2A	2	166229762	G	A	1293	A	T	0.572	Likely Benign
SCN2A	2	166229762	G	C	1293	A	P	0.791	Likely Pathogenic
SCN2A	2	166229762	G	T	1293	A	S	0.45	Likely Benign
SCN2A	2	166229763	C	A	1293	A	D	0.845	Likely Pathogenic
SCN2A	2	166229763	C	G	1293	A	G	0.721	Likely Benign
SCN2A	2	166229763	C	T	1293	A	V	0.508	Likely Benign
SCN2A	2	166229765	T	A	1294	L	M	0.587	Likely Benign
SCN2A	2	166229765	T	G	1294	L	V	0.632	Likely Benign
SCN2A	2	166229766	T	C	1294	L	S	0.743	Likely Benign
SCN2A	2	166229766	T	G	1294	L	W	0.97	Likely Pathogenic
SCN2A	2	166229767	G	C	1294	L	F	0.728	Likely Benign
SCN2A	2	166229767	G	T	1294	L	F	0.723	Likely Benign
SCN2A	2	166229768	A	G	1295	G	S	0.877	Likely Pathogenic
SCN2A	2	166229768	G	C	1295	G	R	0.984	Likely Pathogenic
SCN2A	2	166229768	G	T	1295	G	C	0.983	Likely Pathogenic
SCN2A	2	166229769	A	G	1295	G	D	0.849	Likely Pathogenic
SCN2A	2	166229769	G	C	1295	G	A	0.875	Likely Pathogenic
SCN2A	2	166229769	G	T	1295	G	V	0.961	Likely Pathogenic
SCN2A	2	166229771	A	G	1296	Y	N	0.902	Likely Pathogenic
SCN2A	2	166229771	T	C	1296	Y	H	0.837	Likely Pathogenic
SCN2A	2	166229771	T	G	1296	Y	D	0.922	Likely Pathogenic
SCN2A	2	166229772	A	G	1296	Y	S	0.699	Likely Benign
SCN2A	2	166229772	A	G	1296	Y	C	0.945	Likely Pathogenic
SCN2A	2	166229772	A	T	1296	Y	F	0.449	Likely Benign
SCN2A	2	166229774	T	A	1297	S	T	0.779	Likely Benign
SCN2A	2	166229774	T	G	1297	S	P	0.724	Likely Benign
SCN2A	2	166229774	T	G	1297	S	A	0.391	Likely Benign
SCN2A	2	166229775	C	T	1297	S	L	0.813	Likely Pathogenic
SCN2A	2	166229777	A	G	1298	E	K	0.31	Likely Benign
SCN2A	2	166229777	G	C	1298	E	Q	0.301	Likely Benign
SCN2A	2	166229778	A	C	1298	E	A	0.493	Likely Benign
SCN2A	2	166229778	A	G	1298	E	G	0.471	Likely Benign
SCN2A	2	166229778	A	T	1298	E	V	0.681	Likely Benign
SCN2A	2	166229779	A	C	1298	E	D	0.173	Likely Benign
SCN2A	2	166229779	A	T	1298	E	D	0.173	Likely Benign
SCN2A	2	166229780	C	A	1299	L	I	0.291	Likely Benign
SCN2A	2	166229780	C	G	1299	L	V	0.426	Likely Benign
SCN2A	2	166229780	C	T	1299	L	F	0.484	Likely Benign
SCN2A	2	166229781	T	A	1299	L	H	0.964	Likely Pathogenic
SCN2A	2	166229781	T	C	1299	L	P	0.96	Likely Pathogenic
SCN2A	2	166229781	T	G	1299	L	R	0.951	Likely Pathogenic
SCN2A	2	166229783	G	A	1300	G	S	0.221	Likely Benign
SCN2A	2	166229783	G	C	1300	G	R	0.649	Likely Benign
SCN2A	2	166229783	G	T	1300	G	C	0.909	Likely Pathogenic
SCN2A	2	166229784	A	G	1300	G	D	0.552	Likely Benign
SCN2A	2	166229784	G	C	1300	G	A	0.303	Likely Benign
SCN2A	2	166229784	G	T	1300	G	V	0.669	Likely Benign
SCN2A	2	166229786	A	G	1301	A	T	0.83	Likely Pathogenic
SCN2A	2	166229786	G	C	1301	A	P	0.376	Likely Benign
SCN2A	2	166229786	G	T	1301	A	S	0.521	Likely Benign
SCN2A	2	166229787	C	A	1301	A	Q	0.884	Likely Pathogenic
SCN2A	2	166229787	C	G	1301	A	G	0.512	Likely Benign
SCN2A	2	166229787	C	T	1301	A	V	0.801	Likely Pathogenic
SCN2A	2	166229789	A	C	1302	I	L	0.326	Likely Benign
SCN2A	2	166229789	A	G	1302	I	V	0.35	Likely Benign
SCN2A	2	166229789	A	T	1302	I	F	0.733	Likely Benign
SCN2A	2	166229790	T	A	1302	I	N	0.992	Likely Pathogenic
SCN2A	2	166229790	T	C	1302	I	T	0.979	Likely Pathogenic
SCN2A	2	166229790	T	G	1302	I	S	0.978	Likely Pathogenic
SCN2A	2	166229791	C	G	1302	I	M	0.708	Likely Benign
SCN2A	2	166229792	A	C	1303	K	Q	0.869	Likely Pathogenic
SCN2A	2	166229792	A	G	1303	K	E	0.955	Likely Pathogenic
SCN2A	2	166229793	A	C	1303	K	T	0.895	Likely Pathogenic
SCN2A	2	166229793	A	G	1303	K	R	0.248	Likely Benign
SCN2A	2	166229793	A	T	1303	K	I	0.971	Likely Pathogenic
SCN2A	2	166229794	A	C	1303	K	N	0.96	Likely Pathogenic
SCN2A	2	166229794	A	T	1303	K	N	0.96	Likely Pathogenic
SCN2A	2	166229795	T	A	1304	S	T	0.646	Likely Benign
SCN2A	2	166229795	T	C	1304	S	P	0.974	Likely Pathogenic
SCN2A	2	166229795	T	G	1304	S	A	0.438	Likely Benign
SCN2A	2	166229796	C	A	1304	S	Y	0.982	Likely Pathogenic
SCN2A	2	166229796	C	G	1304	S	C	0.986	Likely Pathogenic
SCN2A	2	166229796	C	T	1304	S	F	0.894	Likely Pathogenic
SCN2A	2	166229798	C	A	1305	L	I	0.873	Likely Pathogenic
SCN2A	2	166229798	C	G	1305	L	V	0.918	Likely Pathogenic
SCN2A	2	166229798	C	T	1305	L	F	0.755	Likely Benign
SCN2A	2	166229799	T	A	1305	L	H	0.996	Likely Pathogenic
SCN2A	2	166229799	T	C	1305	L	P	0.995	Likely Pathogenic
SCN2A	2	166229799	T	G	1305	L	R	0.996	Likely Pathogenic
SCN2A	2	166229801	A	G	1306	R	G	0.99	Likely Pathogenic
SCN2A	2	166229802	G	A	1306	R	K	0.968	Likely Pathogenic
SCN2A	2	166229802	G	C	1306	R	T	0.995	Likely Pathogenic
SCN2A	2	166229802	G	T	1306	R	I	0.994	Likely Pathogenic
SCN2A	2	166229803	A	C	1306	R	S	0.989	Likely Pathogenic
SCN2A	2	166229803	A	T	1306	R	S	0.989	Likely Pathogenic
SCN2A	2	166229804	A	C	1307	T	P	0.993	Likely Pathogenic
SCN2A	2	166229804	A	G	1307	T	A	0.937	Likely Pathogenic
SCN2A	2	166229804	A	T	1307	T	S	0.943	Likely Pathogenic
SCN2A	2	166229805	A	C	1307	T	K	0.988	Likely Pathogenic
SCN2A	2	166229805	C	G	1307	T	R	0.994	Likely Pathogenic
SCN2A	2	166229805	C	T	1307	T	I	0.904	Likely Pathogenic
SCN2A	2	166229807	A	C	1308	L	I	0.94	Likely Pathogenic
SCN2A	2	166229807	C	G	1308	L	V	0.954	Likely Pathogenic
SCN2A	2	166229808	T	A	1308	L	Q	0.997	Likely Pathogenic
SCN2A	2	166229808	T	C	1308	L	P	0.995	Likely Pathogenic
SCN2A	2	166229808	T	G	1308	L	R	0.996	Likely Pathogenic
SCN2A	2	166229810	A	G	1309	R	G	0.99	Likely Pathogenic
SCN2A	2	166229811	G	A	1309	R	K	0.93	Likely Pathogenic
SCN2A	2	166229811	G	C	1309	R	T	0.996	Likely Pathogenic
SCN2A	2	166229811	G	T	1309	R	T	0.994	Likely Pathogenic
SCN2A	2	166229812	A	C	1309	R	S	0.995	Likely Pathogenic
SCN2A	2	166229812	A	T	1309	R	S	0.995	Likely Pathogenic
SCN2A	2	166229813	G	A	1310	A	T	0.951	Likely Pathogenic
SCN2A	2	166229813	G	C	1310	A	P	0.98	Likely Pathogenic
SCN2A	2	166229813	G	T	1310	A	S	0.958	Likely Pathogenic
SCN2A	2	166229814	C	A	1310	A	D	0.99	Likely Pathogenic
SCN2A	2	166229814	C	G	1310	A	G	0.982	Likely Pathogenic
SCN2A	2	166229814	C	T	1310	A	V	0.792	Likely Pathogenic
SCN2A	2	166229816	C	A	1311	L	M	0.99	Likely Pathogenic
SCN2A	2	166229816	C	G	1311	L	V	0.987	Likely Pathogenic
SCN2A	2	166229817	A	C	1311	L	Q	0.997	Likely Pathogenic
SCN2A	2	166229817	T	C	1311	L	P	0.997	Likely Pathogenic
SCN2A	2	166229817	T	G	1311	L	R	0.997	Likely Pathogenic
SCN2A	2	166229819	A	G	1312	R	G	0.997	Likely Pathogenic
SCN2A	2	166229819	A	T	1312	R	W	0.998	Likely Pathogenic
SCN2A	2	166229820	G	A	1312	R	K	0.994	Likely Pathogenic
SCN2A	2	166229820	G	C	1312	R	T	0.998	Likely Pathogenic
SCN2A	2	166229820	G	T	1312	R	M	0.998	Likely Pathogenic
SCN2A	2	166229821	G	C	1312	R	S	0.997	Likely Pathogenic
SCN2A	2	166229821	G	T	1312	R	S	0.997	Likely Pathogenic
SCN2A	2	166229822	A	C	1313	I	T	0.989	Likely Pathogenic
SCN2A	2	166229822	C	G	1313	P	A	0.969	Likely Pathogenic
SCN2A	2	166229822	C	T	1313	P	S	0.982	Likely Pathogenic
SCN2A	2	166229823	A	G	1313	P	Q	0.994	Likely Pathogenic
SCN2A	2	166229823	C	G	1313	P	R	0.995	Likely Pathogenic
SCN2A	2	166229823	C	T	1313	P	L	0.914	Likely Pathogenic
SCN2A	2	166229825	A	C	1314	L	M	0.991	Likely Pathogenic
SCN2A	2	166229825	C	G	1314	L	V	0.986	Likely Pathogenic
SCN2A	2	166229826	T	A	1314	L	Q	0.997	Likely Pathogenic
SCN2A	2	166229826	T	C	1314	L	P	0.997	Likely Pathogenic
SCN2A	2	166229826	T	G	1314	L	R	0.997	Likely Pathogenic
SCN2A	2	166229828	A	G	1315	R	G	0.989	Likely Pathogenic
SCN2A	2	166229829	G	A	1315	R	K	0.736	Likely Benign
SCN2A	2	166229829	G	C	1315	R	T	0.991	Likely Pathogenic
SCN2A	2	166229829	G	T	1315	R	T	0.991	Likely Pathogenic
SCN2A	2	166229830	A	C	1315	R

GENE	CHR	DNA_LOC	REF_N T	ALT_N NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166866263	G	C	1323	P	R	0.996	Likely Pathogenic
SCN1A	2	166866263	G	T	1323	P	H	0.996	Likely Pathogenic
SCN1A	2	166866261	G	C	1324	L	V	0.985	Likely Pathogenic
SCN1A	2	166866261	G	T	1324	L	I	0.991	Likely Pathogenic
SCN1A	2	166866260	A	C	1324	L	R	0.997	Likely Pathogenic
SCN1A	2	166866260	A	G	1324	L	P	0.997	Likely Pathogenic
SCN1A	2	166866260	A	T	1324	L	Q	0.997	Likely Pathogenic
SCN1A	2	166866258	C	C	1325	R	G	0.995	Likely Pathogenic
SCN1A	2	166866257	A	C	1325	R	I	0.996	Likely Pathogenic
SCN1A	2	166866257	G	C	1325	R	T	0.994	Likely Pathogenic
SCN1A	2	166866257	C	T	1325	R	K	0.973	Likely Pathogenic
SCN1A	2	166866256	T	A	1325	R	S	0.993	Likely Pathogenic
SCN1A	2	166866256	T	G	1325	R	S	0.993	Likely Pathogenic
SCN1A	2	166866255	C	A	1326	A	S	0.986	Likely Pathogenic
SCN1A	2	166866255	C	G	1326	A	P	0.995	Likely Pathogenic
SCN1A	2	166866255	C	T	1326	A	T	0.977	Likely Pathogenic
SCN1A	2	166866254	G	A	1326	A	V	0.976	Likely Pathogenic
SCN1A	2	166866254	G	C	1326	A	G	0.995	Likely Pathogenic
SCN1A	2	166866254	G	T	1326	A	D	0.996	Likely Pathogenic
SCN1A	2	166866252	A	C	1327	L	V	0.897	Likely Pathogenic
SCN1A	2	166866252	A	T	1327	L	I	0.877	Likely Pathogenic
SCN1A	2	166866251	A	G	1327	L	S	0.993	Likely Pathogenic
SCN1A	2	166866250	T	A	1327	L	F	0.983	Likely Pathogenic
SCN1A	2	166866250	T	G	1327	L	F	0.983	Likely Pathogenic
SCN1A	2	166866249	A	C	1328	S	A	0.982	Likely Pathogenic
SCN1A	2	166866249	A	G	1328	S	P	0.994	Likely Pathogenic
SCN1A	2	166866249	A	T	1328	S	T	0.983	Likely Pathogenic
SCN1A	2	166866248	G	A	1328	S	F	0.994	Likely Pathogenic
SCN1A	2	166866248	G	C	1328	S	C	0.995	Likely Pathogenic
SCN1A	2	166866248	G	T	1328	S	Y	0.993	Likely Pathogenic
SCN1A	2	166866246	G	C	1329	R	G	0.963	Likely Pathogenic
SCN1A	2	166866245	C	A	1329	R	L	0.985	Likely Pathogenic
SCN1A	2	166866245	C	G	1329	R	P	0.995	Likely Pathogenic
SCN1A	2	166866245	C	T	1329	R	Q	0.975	Likely Pathogenic
SCN1A	2	166866243	A	C	1330	F	V	0.967	Likely Pathogenic
SCN1A	2	166866243	A	G	1330	F	L	0.963	Likely Pathogenic
SCN1A	2	166866243	A	T	1330	F	I	0.967	Likely Pathogenic
SCN1A	2	166866242	A	C	1330	F	C	0.992	Likely Pathogenic
SCN1A	2	166866242	A	G	1330	F	S	0.975	Likely Pathogenic
SCN1A	2	166866242	A	T	1330	F	Y	0.986	Likely Pathogenic
SCN1A	2	166866241	A	C	1330	F	L	0.966	Likely Pathogenic
SCN1A	2	166866241	A	T	1330	F	L	0.966	Likely Pathogenic
SCN1A	2	166866240	G	T	1331	E	Q	0.923	Likely Pathogenic
SCN1A	2	166866240	C	T	1331	E	K	0.969	Likely Pathogenic
SCN1A	2	166866239	T	A	1331	E	V	0.989	Likely Pathogenic
SCN1A	2	166866239	T	C	1331	E	G	0.987	Likely Pathogenic
SCN1A	2	166866239	T	G	1331	E	A	0.985	Likely Pathogenic
SCN1A	2	166866238	T	A	1331	E	D	0.937	Likely Pathogenic
SCN1A	2	166866238	T	G	1331	E	D	0.937	Likely Pathogenic
SCN1A	2	166866237	A	C	1332	G	W	0.994	Likely Pathogenic
SCN1A	2	166866237	C	G	1332	G	R	0.988	Likely Pathogenic
SCN1A	2	166866237	C	T	1332	G	R	0.988	Likely Pathogenic
SCN1A	2	166866236	A	C	1332	G	V	0.996	Likely Pathogenic
SCN1A	2	166866236	C	G	1332	G	A	0.993	Likely Pathogenic
SCN1A	2	166866236	C	T	1332	G	E	0.987	Likely Pathogenic
SCN1A	2	166866234	A	C	1333	M	L	0.865	Likely Pathogenic
SCN1A	2	166866234	T	C	1333	M	V	0.983	Likely Pathogenic
SCN1A	2	166866234	T	G	1333	M	L	0.871	Likely Pathogenic
SCN1A	2	166866233	A	C	1333	M	R	0.995	Likely Pathogenic
SCN1A	2	166866233	A	G	1333	M	T	0.991	Likely Pathogenic
SCN1A	2	166866233	A	T	1333	M	K	0.995	Likely Pathogenic
SCN1A	2	166866232	C	A	1333	M	I	0.978	Likely Pathogenic
SCN1A	2	166866232	C	G	1333	M	I	0.978	Likely Pathogenic
SCN1A	2	166866232	C	T	1333	M	I	0.978	Likely Pathogenic
SCN1A	2	166866231	T	A	1334	R	W	0.996	Likely Pathogenic
SCN1A	2	166866231	T	C	1334	R	G	0.993	Likely Pathogenic
SCN1A	2	166866230	C	A	1334	R	M	0.996	Likely Pathogenic
SCN1A	2	166866230	C	G	1334	R	T	0.994	Likely Pathogenic
SCN1A	2	166866230	C	T	1334	R	K	0.930	Likely Pathogenic
SCN1A	2	166866229	C	A	1334	R	S	0.990	Likely Pathogenic
SCN1A	2	166866229	C	G	1334	R	S	0.990	Likely Pathogenic
SCN1A	2	166859262	A	C	1335	V	G	0.993	Likely Pathogenic
SCN1A	2	166859262	A	G	1335	V	A	0.981	Likely Pathogenic
SCN1A	2	166859262	A	T	1335	V	E	0.989	Likely Pathogenic
SCN1A	2	166859260	C	A	1336	V	F	0.996	Likely Pathogenic
SCN1A	2	166859260	C	G	1336	V	L	0.973	Likely Pathogenic
SCN1A	2	166859260	C	T	1336	V	I	0.982	Likely Pathogenic
SCN1A	2	166859259	A	C	1336	V	G	0.995	Likely Pathogenic
SCN1A	2	166859259	A	G	1336	V	A	0.994	Likely Pathogenic
SCN1A	2	166859259	A	T	1336	V	D	0.996	Likely Pathogenic
SCN1A	2	166859257	C	A	1337	V	L	0.979	Likely Pathogenic
SCN1A	2	166859257	G	T	1337	V	L	0.979	Likely Pathogenic
SCN1A	2	166859257	C	T	1337	V	M	0.992	Likely Pathogenic
SCN1A	2	166859256	A	C	1337	V	G	0.997	Likely Pathogenic
SCN1A	2	166859256	A	G	1337	V	A	0.992	Likely Pathogenic
SCN1A	2	166859256	A	T	1337	V	E	0.996	Likely Pathogenic
SCN1A	2	166859254	T	A	1338	N	Y	0.981	Likely Pathogenic
SCN1A	2	166859254	T	C	1338	N	D	0.915	Likely Pathogenic
SCN1A	2	166859254	T	G	1338	N	H	0.987	Likely Pathogenic
SCN1A	2	166859253	T	A	1338	N	I	0.988	Likely Pathogenic
SCN1A	2	166859253	T	C	1338	N	S	0.973	Likely Pathogenic
SCN1A	2	166859253	T	G	1338	N	T	0.978	Likely Pathogenic
SCN1A	2	166859252	A	C	1338	N	K	0.955	Likely Pathogenic
SCN1A	2	166859252	A	T	1338	N	K	0.957	Likely Pathogenic
SCN1A	2	166859251	C	A	1339	A	S	0.976	Likely Pathogenic
SCN1A	2	166859251	C	G	1339	A	P	0.996	Likely Pathogenic
SCN1A	2	166859251	C	T	1339	A	T	0.977	Likely Pathogenic
SCN1A	2	166859250	G	A	1339	A	V	0.990	Likely Pathogenic
SCN1A	2	166859250	G	C	1339	A	G	0.984	Likely Pathogenic
SCN1A	2	166859250	G	T	1339	A	D	0.995	Likely Pathogenic
SCN1A	2	166859248	G	A	1340	L	F	0.989	Likely Pathogenic
SCN1A	2	166859248	G	C	1340	L	V	0.986	Likely Pathogenic
SCN1A	2	166859248	G	T	1340	L	I	0.985	Likely Pathogenic
SCN1A	2	166859247	A	C	1340	L	R	0.997	Likely Pathogenic
SCN1A	2	166859247	A	G	1340	L	P	0.997	Likely Pathogenic
SCN1A	2	166859247	A	T	1340	L	H	0.997	Likely Pathogenic
SCN1A	2	166859245	A	C	1341	L	V	0.317	Likely Benign
SCN1A	2	166859245	A	T	1341	L	I	0.218	Likely Benign
SCN1A	2	166859244	A	G	1341	L	S	0.978	Likely Pathogenic
SCN1A	2	166859243	T	A	1341	L	F	0.846	Likely Pathogenic
SCN1A	2	166859243	T	G	1341	L	F	0.847	Likely Pathogenic
SCN1A	2	166859242	C	G	1342	G	R	0.959	Likely Pathogenic
SCN1A	2	166859242	C	T	1342	G	R	0.959	Likely Pathogenic
SCN1A	2	166859241	A	C	1342	G	V	0.973	Likely Pathogenic
SCN1A	2	166859241	C	G	1342	G	A	0.973	Likely Pathogenic
SCN1A	2	166859241	C	T	1342	G	E	0.977	Likely Pathogenic
SCN1A	2	166859239	C	A	1343	A	S	0.964	Likely Pathogenic
SCN1A	2	166859239	C	G	1343	A	P	0.996	Likely Pathogenic
SCN1A	2	166859239	C	T	1343	A	T	0.984	Likely Pathogenic
SCN1A	2	166859238	G	A	1343	A	V	0.992	Likely Pathogenic
SCN1A	2	166859238	G	C	1343	A	G	0.990	Likely Pathogenic
SCN1A	2	166859238	G	T	1343	A	E	0.996	Likely Pathogenic
SCN1A	2	166859236	T	A	1344	I	F	0.980	Likely Pathogenic
SCN1A	2	166859236	T	C	1344	I	V	0.936	Likely Pathogenic
SCN1A	2	166859236	T	G	1344	I	L	0.958	Likely Pathogenic
SCN1A	2	166859235	A	C	1344	I	S	0.992	Likely Pathogenic
SCN1A	2	166859235	A	G	1344	I	T	0.992	Likely Pathogenic
SCN1A	2	166859235	A	T	1344	I	N	0.995	Likely Pathogenic
SCN1A	2	166859234	A	C	1344	I	M	0.972	Likely Pathogenic
SCN1A	2	166859233	G	A	1345	P	S	0.986	Likely Pathogenic
SCN1A	2	166859233	G	C	1345	P	A	0.983	Likely Pathogenic
SCN1A	2	166859233	G	T	1345	P	T	0.992	Likely Pathogenic
SCN1A	2	166859232	G	A	1345	P	L	0.984	Likely Pathogenic
SCN1A	2	166859232	G	C	1345	P	R	0.974	Likely Pathogenic
SCN1A	2	166859232	G	T	1345	P	Q	0.983	Likely Pathogenic
SCN1A	2	166859230	A	C	1346	S	A	0.934	Likely Pathogenic
SCN1A	2	166859230	A	G	1346	S	P	0.970	Likely Pathogenic
SCN1A	2	166859230	A	T	1346	S	T	0.971	Likely Pathogenic
SCN1A	2	166859229	G	A	1346	S	F	0.993	Likely Pathogenic
SCN1A	2	166859229	G	C	1346	S	C	0.994	Likely Pathogenic
SCN1A	2	166859229	G	T	1346	S	Y	0.988	Likely Pathogenic
SCN1A	2	166859227	T	A	1347	I	F	0.992	Likely Pathogenic
SCN1A	2	166859227	T	C	1347	I	V	0.974	Likely Pathogenic
SCN1A	2	166859227	T	G	1347	I	L	0.953	Likely Pathogenic
SCN1A	2	166859226	A	C	1347	I	S	0.996	Likely Pathogenic
SCN1A	2	166859226	A	G	1347	I	T	0.993	Likely Pathogenic
SCN1A	2	166859226	A	T	1347	I	N	0.996	Likely Pathogenic
SCN1A	2	166859225	G	C	1347	I	M	0.956	Likely Pathogenic
SCN1A	2	166859224	T	A	1348	M	L	0.500	Likely Benign
SCN1A	2	166859224	T	C	1348	M	V	0.686	Likely Benign
SCN1A	2	166859224	T	G	1348	M	L	0.502	Likely Benign
SCN1A	2	166859223	A	C	1348	M	R	0.961	Likely Pathogenic
SCN1A	2	166859223	A	G	1348	M	T	0.863	Likely Pathogenic
SCN1A	2	166859223	A	T	1348	M	K	0.960	Likely Pathogenic
SCN1A	2	166859222	C	A	1348	M	I	0.745	Likely Benign
SCN1A	2	166859222	C	G	1348	M	I	0.750	Likely Benign
SCN1A	2	166859222	C	T	1348	M	I	0.745	Likely Benign
SCN1A	2	166859221	A	C	1349	N	Y	0.985	Likely Pathogenic
SCN1A	2	166859221	T	C	1349	N	D	0.979	Likely Pathogenic
SCN1A	2	166859221	T	G	1349	N	H	0.978	Likely Pathogenic
SCN1A	2	166859220	T	A	1349	N	I	0.995	Likely Pathogenic
SCN1A	2	166859220	T	C	1349	N	S	0.977	Likely Pathogenic
SCN1A	2	166859220	T	G	1349	N	T	0.990	Likely Pathogenic
SCN1A	2	166859219	A	C	1349	N	K	0.994	Likely Pathogenic
SCN1A	2	166859219	A	T	1349	N	K	0.994	Likely Pathogenic
SCN1A	2	166859218	C	A	1350	V	L	0.982	Likely Pathogenic
SCN1A	2	166859218	C	G	1350	V	L	0.983	Likely Pathogenic
SCN1A	2	166859218	C	T	1350	V	M	0.994	Likely Pathogenic
SCN1A	2	166859217	A	C	1350	V	G	0.996	Likely Pathogenic
SCN1A	2	166859217	A	G	1350	V	A	0.989	Likely Pathogenic
SCN1A	2	166859217	A	T	1350	V	E	0.996	Likely Pathogenic
SCN1A	2	166859215	G	A	1351	L	F	0.931	Likely Pathogenic
SCN1A	2	166859215	G	C	1351	L	V	0.899	Likely Pathogenic
SCN1A	2	166859215	G	T	1351	L	I	0.914	Likely Pathogenic
SCN1A	2	166859214	A	C	1351	L	R	0.995	Likely Pathogenic
SCN1A	2	166859214	A	G	1351	L	P	0.994	Likely Pathogenic
SCN1A	2	166859214	A	T	1351	L	H	0.994	Likely Pathogenic
SCN1A	2	166859212	G	C	1352	L	V	0.970	Likely Pathogenic
SCN1A	2	166859212	G	T	1352	L	M	0.972	Likely Pathogenic
SCN1A	2	166859211	A	C	1352	L	R	0.996	Likely Pathogenic
SCN1A	2	166859211	A	G	1352	L	P	0.997	Likely Pathogenic
SCN1A	2	166859211	A	T	1352	L	Q	0.997	Likely Pathogenic
SCN1A	2	166859209	C	A	1353	V	F	0.986	Likely Pathogenic
SCN1A	2	166859209	C	G	1353	V	L	0.938	Likely Pathogenic
SCN1A	2	166859209	C	T	1353	V	I	0.978	Likely Pathogenic
SCN1A	2	166859208	A	C	1353	V	G	0.996	Likely Pathogenic
SCN1A	2	166859208	A	G	1353	V	A	0.994	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_ALT NT	NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166229846	G	C	1321	E	Q	0.545	Likely Benign
SCN2A	2	166229847	A	C	1321	E	A	0.974	Likely Pathogenic
SCN2A	2	166229847	A	G	1321	E	G	0.983	Likely Pathogenic
SCN2A	2	166229847	A	T	1321	E	V	0.986	Likely Pathogenic
SCN2A	2	166229848	A	C	1321	E	D	0.795	Likely Pathogenic
SCN2A	2	166229848	A	T	1321	E	D	0.782	Likely Benign
SCN2A	2	166229849	G	A	1322	G	R	0.974	Likely Pathogenic
SCN2A	2	166229849	G	C	1322	G	R	0.976	Likely Pathogenic
SCN2A	2	166229850	G	A	1322	G	E	0.967	Likely Pathogenic
SCN2A	2	166229850	G	C	1322	G	A	0.989	Likely Pathogenic
SCN2A	2	166229850	G	T	1322	G	V	0.995	Likely Pathogenic
SCN2A	2	166229852	A	C	1323	M	L	0.718	Likely Benign
SCN2A	2	166229852	A	G	1323	M	V	0.975	Likely Pathogenic
SCN2A	2	166229852	A	T	1323	M	L	0.724	Likely Benign
SCN2A	2	166229853	T	A	1323	M	K	0.995	Likely Pathogenic
SCN2A	2	166229853	T	C	1323	M	T	0.989	Likely Pathogenic
SCN2A	2	166229853	T	G	1323	M	R	0.994	Likely Pathogenic
SCN2A	2	166229854	G	A	1323	M	I	0.959	Likely Pathogenic
SCN2A	2	166229854	G	C	1323	M	I	0.96	Likely Pathogenic
SCN2A	2	166229854	G	T	1323	M	I	0.959	Likely Pathogenic
SCN2A	2	166229855	A	G	1324	R	G	0.993	Likely Pathogenic
SCN2A	2	166229855	A	T	1324	R	W	0.993	Likely Pathogenic
SCN2A	2	166229856	G	A	1324	R	K	0.652	Likely Benign
SCN2A	2	166229856	G	C	1324	R	T	0.993	Likely Pathogenic
SCN2A	2	166229856	G	T	1324	R	M	0.994	Likely Pathogenic
SCN2A	2	166231195	G	A	1325	V	I	0.923	Likely Pathogenic
SCN2A	2	166231195	G	C	1325	V	L	0.956	Likely Pathogenic
SCN2A	2	166231195	G	T	1325	V	F	0.988	Likely Pathogenic
SCN2A	2	166231196	T	A	1325	V	D	0.985	Likely Pathogenic
SCN2A	2	166231196	T	C	1325	V	A	0.969	Likely Pathogenic
SCN2A	2	166231196	T	G	1325	V	G	0.992	Likely Pathogenic
SCN2A	2	166231198	G	A	1326	V	I	0.927	Likely Pathogenic
SCN2A	2	166231198	G	C	1326	V	L	0.956	Likely Pathogenic
SCN2A	2	166231198	G	T	1326	V	F	0.994	Likely Pathogenic
SCN2A	2	166231199	T	A	1326	V	D	0.996	Likely Pathogenic
SCN2A	2	166231199	T	C	1326	V	A	0.992	Likely Pathogenic
SCN2A	2	166231199	T	G	1326	V	G	0.994	Likely Pathogenic
SCN2A	2	166231201	G	A	1327	V	I	0.919	Likely Pathogenic
SCN2A	2	166231201	G	C	1327	V	L	0.971	Likely Pathogenic
SCN2A	2	166231201	G	T	1327	V	L	0.97	Likely Pathogenic
SCN2A	2	166231202	T	A	1327	V	E	0.995	Likely Pathogenic
SCN2A	2	166231202	T	C	1327	V	A	0.984	Likely Pathogenic
SCN2A	2	166231202	T	G	1327	V	G	0.996	Likely Pathogenic
SCN2A	2	166231204	A	C	1328	N	H	0.974	Likely Pathogenic
SCN2A	2	166231204	A	G	1328	N	D	0.828	Likely Pathogenic
SCN2A	2	166231204	A	T	1328	N	Y	0.975	Likely Pathogenic
SCN2A	2	166231205	A	C	1328	N	T	0.97	Likely Pathogenic
SCN2A	2	166231205	A	G	1328	N	S	0.968	Likely Pathogenic
SCN2A	2	166231205	A	T	1328	N	I	0.986	Likely Pathogenic
SCN2A	2	166231206	T	A	1328	N	K	0.968	Likely Pathogenic
SCN2A	2	166231206	T	G	1328	N	K	0.967	Likely Pathogenic
SCN2A	2	166231207	G	A	1329	A	T	0.972	Likely Pathogenic
SCN2A	2	166231207	G	C	1329	A	P	0.995	Likely Pathogenic
SCN2A	2	166231207	G	T	1329	A	S	0.958	Likely Pathogenic
SCN2A	2	166231208	C	A	1329	A	D	0.995	Likely Pathogenic
SCN2A	2	166231208	C	G	1329	A	G	0.979	Likely Pathogenic
SCN2A	2	166231208	C	T	1329	A	V	0.987	Likely Pathogenic
SCN2A	2	166231210	C	A	1330	L	I	0.967	Likely Pathogenic
SCN2A	2	166231210	C	G	1330	L	V	0.972	Likely Pathogenic
SCN2A	2	166231210	C	T	1330	L	F	0.984	Likely Pathogenic
SCN2A	2	166231211	T	A	1330	L	H	0.997	Likely Pathogenic
SCN2A	2	166231211	T	C	1330	L	P	0.997	Likely Pathogenic
SCN2A	2	166231211	T	G	1330	L	R	0.997	Likely Pathogenic
SCN2A	2	166231213	T	A	1331	L	I	0.164	Likely Benign
SCN2A	2	166231213	T	G	1331	L	V	0.201	Likely Benign
SCN2A	2	166231214	T	C	1331	L	S	0.884	Likely Pathogenic
SCN2A	2	166231215	A	C	1331	L	F	0.515	Likely Benign
SCN2A	2	166231215	A	T	1331	L	F	0.519	Likely Benign
SCN2A	2	166231216	G	A	1332	G	R	0.937	Likely Pathogenic
SCN2A	2	166231216	G	C	1332	G	R	0.938	Likely Pathogenic
SCN2A	2	166231217	G	A	1332	G	E	0.972	Likely Pathogenic
SCN2A	2	166231217	G	C	1332	G	A	0.97	Likely Pathogenic
SCN2A	2	166231217	G	T	1332	G	V	0.969	Likely Pathogenic
SCN2A	2	166231219	G	A	1333	A	T	0.972	Likely Pathogenic
SCN2A	2	166231219	G	C	1333	A	P	0.995	Likely Pathogenic
SCN2A	2	166231219	G	T	1333	A	S	0.927	Likely Pathogenic
SCN2A	2	166231220	C	A	1333	A	D	0.996	Likely Pathogenic
SCN2A	2	166231220	C	G	1333	A	G	0.985	Likely Pathogenic
SCN2A	2	166231220	C	T	1333	A	V	0.99	Likely Pathogenic
SCN2A	2	166231222	A	C	1334	I	L	0.937	Likely Pathogenic
SCN2A	2	166231222	A	G	1334	I	V	0.868	Likely Pathogenic
SCN2A	2	166231222	A	T	1334	I	F	0.979	Likely Pathogenic
SCN2A	2	166231223	T	A	1334	I	N	0.994	Likely Pathogenic
SCN2A	2	166231223	T	C	1334	I	T	0.99	Likely Pathogenic
SCN2A	2	166231223	T	G	1334	I	S	0.991	Likely Pathogenic
SCN2A	2	166231224	T	G	1334	I	M	0.955	Likely Pathogenic
SCN2A	2	166231225	C	A	1335	P	T	0.99	Likely Pathogenic
SCN2A	2	166231225	C	G	1335	P	A	0.98	Likely Pathogenic
SCN2A	2	166231225	C	T	1335	P	S	0.979	Likely Pathogenic
SCN2A	2	166231226	C	A	1335	P	Q	0.979	Likely Pathogenic
SCN2A	2	166231226	C	G	1335	P	R	0.973	Likely Pathogenic
SCN2A	2	166231226	C	T	1335	P	L	0.978	Likely Pathogenic
SCN2A	2	166231228	T	A	1336	S	T	0.966	Likely Pathogenic
SCN2A	2	166231228	T	C	1336	S	P	0.965	Likely Pathogenic
SCN2A	2	166231228	T	G	1336	S	A	0.88	Likely Pathogenic
SCN2A	2	166231229	C	A	1336	S	Y	0.983	Likely Pathogenic
SCN2A	2	166231229	C	G	1336	S	C	0.993	Likely Pathogenic
SCN2A	2	166231229	C	T	1336	S	F	0.991	Likely Pathogenic
SCN2A	2	166231231	A	C	1337	I	L	0.88	Likely Pathogenic
SCN2A	2	166231231	A	G	1337	I	V	0.963	Likely Pathogenic
SCN2A	2	166231231	A	T	1337	I	F	0.991	Likely Pathogenic
SCN2A	2	166231232	T	A	1337	I	N	0.995	Likely Pathogenic
SCN2A	2	166231232	T	C	1337	I	T	0.992	Likely Pathogenic
SCN2A	2	166231232	T	G	1337	I	S	0.995	Likely Pathogenic
SCN2A	2	166231233	C	G	1337	I	M	0.968	Likely Pathogenic
SCN2A	2	166231234	A	C	1338	M	L	0.356	Likely Benign
SCN2A	2	166231234	A	G	1338	M	V	0.775	Likely Benign
SCN2A	2	166231234	A	T	1338	M	L	0.356	Likely Benign
SCN2A	2	166231235	T	A	1338	M	K	0.965	Likely Pathogenic
SCN2A	2	166231235	T	C	1338	M	T	0.909	Likely Pathogenic
SCN2A	2	166231235	T	G	1338	M	R	0.971	Likely Pathogenic
SCN2A	2	166231236	G	A	1338	M	I	0.755	Likely Benign
SCN2A	2	166231236	G	C	1338	M	I	0.754	Likely Benign
SCN2A	2	166231236	G	T	1338	M	I	0.754	Likely Benign
SCN2A	2	166231237	A	C	1339	N	H	0.971	Likely Pathogenic
SCN2A	2	166231237	A	G	1339	N	D	0.974	Likely Pathogenic
SCN2A	2	166231237	A	T	1339	N	Y	0.982	Likely Pathogenic
SCN2A	2	166231238	A	C	1339	N	Y	0.988	Likely Pathogenic
SCN2A	2	166231238	A	G	1339	N	S	0.965	Likely Pathogenic
SCN2A	2	166231238	A	T	1339	N	I	0.994	Likely Pathogenic
SCN2A	2	166231239	T	A	1339	N	K	0.991	Likely Pathogenic
SCN2A	2	166231239	T	G	1339	N	K	0.991	Likely Pathogenic
SCN2A	2	166231240	A	C	1340	V	I	0.962	Likely Pathogenic
SCN2A	2	166231240	A	G	1340	V	L	0.975	Likely Pathogenic
SCN2A	2	166231240	A	T	1340	V	E	0.995	Likely Pathogenic
SCN2A	2	166231241	T	C	1340	V	A	0.981	Likely Pathogenic
SCN2A	2	166231241	T	G	1340	V	G	0.995	Likely Pathogenic
SCN2A	2	166231243	A	C	1341	L	I	0.955	Likely Pathogenic
SCN2A	2	166231243	A	G	1341	L	V	0.963	Likely Pathogenic
SCN2A	2	166231243	A	T	1341	L	F	0.965	Likely Pathogenic
SCN2A	2	166231244	T	A	1341	L	H	0.993	Likely Pathogenic
SCN2A	2	166231244	T	C	1341	L	P	0.993	Likely Pathogenic
SCN2A	2	166231244	T	G	1341	L	R	0.995	Likely Pathogenic
SCN2A	2	166231246	C	A	1342	L	M	0.965	Likely Pathogenic
SCN2A	2	166231246	C	G	1342	L	V	0.959	Likely Pathogenic
SCN2A	2	166231247	T	A	1342	L	Q	0.997	Likely Pathogenic
SCN2A	2	166231247	T	C	1342	L	P	0.997	Likely Pathogenic
SCN2A	2	166231247	T	G	1342	L	R	0.996	Likely Pathogenic
SCN2A	2	166231249	G	A	1343	V	I	0.964	Likely Pathogenic
SCN2A	2	166231249	G	C	1343	V	L	0.82	Likely Pathogenic
SCN2A	2	166231249	G	T	1343	V	F	0.983	Likely Pathogenic
SCN2A	2	166231250	T	A	1343	V	D	0.995	Likely Pathogenic
SCN2A	2	166231250	T	C	1343	V	A	0.993	Likely Pathogenic
SCN2A	2	166231250	T	G	1343	V	G	0.996	Likely Pathogenic
SCN2A	2	166231252	T	A	1344	C	S	0.98	Likely Pathogenic
SCN2A	2	166231252	T	C	1344	C	R	0.995	Likely Pathogenic
SCN2A	2	166231252	T	G	1344	C	G	0.981	Likely Pathogenic
SCN2A	2	166231253	A	C	1344	C	Y	0.98	Likely Pathogenic
SCN2A	2	166231253	G	C	1344	C	S	0.978	Likely Pathogenic
SCN2A	2	166231253	G	T	1344	C	F	0.98	Likely Pathogenic
SCN2A	2	166231254	T	G

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166859208	A	T	1353	V	D	0.996	Likely Pathoenic
SCN1A	2	166859206	C	A	1354	C	G	0.981	Likely Pathoenic
SCN1A	2	166859206	A	G	1354	C	R	0.995	Likely Pathoenic
SCN1A	2	166859206	A	T	1354	C	S	0.985	Likely Pathoenic
SCN1A	2	166859205	C	A	1354	C	F	0.985	Likely Pathoenic
SCN1A	2	166859205	C	G	1354	C	S	0.987	Likely Pathoenic
SCN1A	2	166859205	C	T	1354	C	Y	0.985	Likely Pathoenic
SCN1A	2	166859204	A	C	1354	C	W	0.995	Likely Pathoenic
SCN1A	2	166859203	A	G	1355	L	F	0.970	Likely Pathoenic
SCN1A	2	166859203	G	C	1355	L	V	0.962	Likely Pathoenic
SCN1A	2	166859203	G	T	1355	L	I	0.977	Likely Pathoenic
SCN1A	2	166859202	A	C	1355	L	R	0.995	Likely Pathoenic
SCN1A	2	166859202	A	G	1355	L	P	0.995	Likely Pathoenic
SCN1A	2	166859202	A	T	1355	L	H	0.994	Likely Pathoenic
SCN1A	2	166859200	T	A	1356	L	Q	0.941	Likely Pathoenic
SCN1A	2	166859200	T	C	1356	I	V	0.936	Likely Pathoenic
SCN1A	2	166859200	T	G	1356	I	L	0.941	Likely Pathoenic
SCN1A	2	166859199	A	C	1356	I	R	0.994	Likely Pathoenic
SCN1A	2	166859199	A	G	1356	I	T	0.976	Likely Pathoenic
SCN1A	2	166859199	A	T	1356	I	K	0.994	Likely Pathoenic
SCN1A	2	166859198	T	C	1356	I	M	0.958	Likely Pathoenic
SCN1A	2	166859197	A	C	1357	F	V	0.972	Likely Pathoenic
SCN1A	2	166859197	A	G	1357	F	L	0.958	Likely Pathoenic
SCN1A	2	166859197	A	T	1357	F	I	0.974	Likely Pathoenic
SCN1A	2	166859196	A	C	1357	F	C	0.984	Likely Pathoenic
SCN1A	2	166859196	A	G	1357	F	S	0.990	Likely Pathoenic
SCN1A	2	166859196	A	T	1357	F	Y	0.994	Likely Pathoenic
SCN1A	2	166859195	G	C	1357	F	L	0.922	Likely Pathoenic
SCN1A	2	166859195	G	T	1357	F	L	0.922	Likely Pathoenic
SCN1A	2	166859194	A	C	1358	W	G	0.994	Likely Pathoenic
SCN1A	2	166859194	A	G	1358	W	R	0.994	Likely Pathoenic
SCN1A	2	166859194	A	T	1358	W	R	0.994	Likely Pathoenic
SCN1A	2	166859193	C	A	1358	W	L	0.969	Likely Pathoenic
SCN1A	2	166859193	C	G	1358	W	S	0.993	Likely Pathoenic
SCN1A	2	166859192	C	A	1358	W	C	0.994	Likely Pathoenic
SCN1A	2	166859192	C	G	1358	W	C	0.994	Likely Pathoenic
SCN1A	2	166859191	G	C	1359	L	V	0.965	Likely Pathoenic
SCN1A	2	166859191	G	T	1359	L	I	0.964	Likely Pathoenic
SCN1A	2	166859190	A	C	1359	L	R	0.995	Likely Pathoenic
SCN1A	2	166859190	A	G	1359	L	P	0.995	Likely Pathoenic
SCN1A	2	166859190	A	T	1359	L	Q	0.995	Likely Pathoenic
SCN1A	2	166859188	T	A	1360	I	F	0.995	Likely Pathoenic
SCN1A	2	166859188	T	C	1360	I	V	0.970	Likely Pathoenic
SCN1A	2	166859188	T	G	1360	I	L	0.986	Likely Pathoenic
SCN1A	2	166859187	A	C	1360	I	S	0.995	Likely Pathoenic
SCN1A	2	166859187	A	G	1360	I	T	0.995	Likely Pathoenic
SCN1A	2	166859187	A	T	1360	I	N	0.997	Likely Pathoenic
SCN1A	2	166859186	A	C	1360	I	M	0.982	Likely Pathoenic
SCN1A	2	166859185	A	C	1361	F	V	0.997	Likely Pathoenic
SCN1A	2	166859185	A	G	1361	F	L	0.994	Likely Pathoenic
SCN1A	2	166859185	A	T	1361	F	I	0.997	Likely Pathoenic
SCN1A	2	166859184	A	C	1361	F	C	0.996	Likely Pathoenic
SCN1A	2	166859184	A	G	1361	F	S	0.994	Likely Pathoenic
SCN1A	2	166859184	A	T	1361	F	Y	0.978	Likely Pathoenic
SCN1A	2	166859183	G	C	1361	F	L	0.991	Likely Pathoenic
SCN1A	2	166859183	G	T	1361	F	L	0.991	Likely Pathoenic
SCN1A	2	166859182	T	A	1362	S	C	0.954	Likely Pathoenic
SCN1A	2	166859182	T	C	1362	S	G	0.892	Likely Pathoenic
SCN1A	2	166859182	T	G	1362	S	R	0.986	Likely Pathoenic
SCN1A	2	166859181	C	A	1362	S	I	0.992	Likely Pathoenic
SCN1A	2	166859181	C	G	1362	S	T	0.990	Likely Pathoenic
SCN1A	2	166859181	C	T	1362	S	N	0.992	Likely Pathoenic
SCN1A	2	166859180	G	C	1362	S	R	0.983	Likely Pathoenic
SCN1A	2	166859180	G	T	1362	S	R	0.983	Likely Pathoenic
SCN1A	2	166859179	T	A	1363	I	F	0.996	Likely Pathoenic
SCN1A	2	166859179	T	C	1363	I	V	0.953	Likely Pathoenic
SCN1A	2	166859179	T	G	1363	I	L	0.979	Likely Pathoenic
SCN1A	2	166859178	A	C	1363	I	S	0.993	Likely Pathoenic
SCN1A	2	166859178	A	G	1363	I	T	0.995	Likely Pathoenic
SCN1A	2	166859178	A	T	1363	I	N	0.995	Likely Pathoenic
SCN1A	2	166859177	G	C	1363	I	M	0.993	Likely Pathoenic
SCN1A	2	166859176	T	A	1364	M	L	0.766	Likely Benian
SCN1A	2	166859176	T	C	1364	M	V	0.822	Likely Pathoenic
SCN1A	2	166859176	T	G	1364	M	L	0.765	Likely Benian
SCN1A	2	166859175	A	C	1364	M	R	0.992	Likely Pathoenic
SCN1A	2	166859175	A	G	1364	M	T	0.986	Likely Pathoenic
SCN1A	2	166859175	A	T	1364	M	K	0.994	Likely Pathoenic
SCN1A	2	166859174	C	A	1364	M	I	0.917	Likely Pathoenic
SCN1A	2	166859174	C	G	1364	M	I	0.913	Likely Pathoenic
SCN1A	2	166859174	C	T	1364	M	I	0.917	Likely Pathoenic
SCN1A	2	166859173	C	A	1365	G	C	0.993	Likely Pathoenic
SCN1A	2	166859173	C	G	1365	G	R	0.995	Likely Pathoenic
SCN1A	2	166859173	C	T	1365	G	S	0.989	Likely Pathoenic
SCN1A	2	166859172	C	A	1365	G	V	0.993	Likely Pathoenic
SCN1A	2	166859172	C	G	1365	G	A	0.970	Likely Pathoenic
SCN1A	2	166859172	C	T	1365	G	D	0.995	Likely Pathoenic
SCN1A	2	166859170	C	A	1366	V	L	0.976	Likely Pathoenic
SCN1A	2	166859170	C	G	1366	V	L	0.976	Likely Pathoenic
SCN1A	2	166859170	C	T	1366	V	I	0.985	Likely Pathoenic
SCN1A	2	166859169	A	C	1366	V	G	0.996	Likely Pathoenic
SCN1A	2	166859169	A	G	1366	V	A	0.992	Likely Pathoenic
SCN1A	2	166859169	A	T	1366	V	E	0.992	Likely Pathoenic
SCN1A	2	166859167	T	A	1367	N	Y	0.976	Likely Pathoenic
SCN1A	2	166859167	T	C	1367	N	D	0.980	Likely Pathoenic
SCN1A	2	166859167	T	G	1367	N	H	0.977	Likely Pathoenic
SCN1A	2	166859166	T	A	1367	N	I	0.981	Likely Pathoenic
SCN1A	2	166859166	T	C	1367	N	S	0.961	Likely Pathoenic
SCN1A	2	166859166	T	G	1367	N	T	0.972	Likely Pathoenic
SCN1A	2	166859165	A	C	1367	N	K	0.968	Likely Pathoenic
SCN1A	2	166859165	A	T	1367	N	K	0.968	Likely Pathoenic
SCN1A	2	166859164	A	C	1368	L	V	0.988	Likely Pathoenic
SCN1A	2	166859164	A	T	1368	L	M	0.945	Likely Pathoenic
SCN1A	2	166859163	A	C	1368	L	W	0.997	Likely Pathoenic
SCN1A	2	166859163	A	G	1368	L	S	0.996	Likely Pathoenic
SCN1A	2	166859162	C	A	1368	L	F	0.860	Likely Pathoenic
SCN1A	2	166859162	C	G	1368	L	F	0.857	Likely Pathoenic
SCN1A	2	166859161	A	C	1369	F	V	0.997	Likely Pathoenic
SCN1A	2	166859161	A	G	1369	F	L	0.987	Likely Pathoenic
SCN1A	2	166859161	A	T	1369	F	I	0.996	Likely Pathoenic
SCN1A	2	166859160	A	C	1369	F	C	0.997	Likely Pathoenic
SCN1A	2	166859160	A	G	1369	F	S	0.997	Likely Pathoenic
SCN1A	2	166859160	A	T	1369	F	Y	0.976	Likely Pathoenic
SCN1A	2	166859159	A	C	1369	F	L	0.988	Likely Pathoenic
SCN1A	2	166859159	A	T	1369	F	L	0.988	Likely Pathoenic
SCN1A	2	166859158	C	A	1370	A	S	0.801	Likely Pathoenic
SCN1A	2	166859158	C	G	1370	A	P	0.983	Likely Pathoenic
SCN1A	2	166859158	C	T	1370	A	T	0.971	Likely Pathoenic
SCN1A	2	166859157	G	A	1370	A	V	0.976	Likely Pathoenic
SCN1A	2	166859157	G	C	1370	A	G	0.876	Likely Pathoenic
SCN1A	2	166859157	G	T	1370	A	D	0.985	Likely Pathoenic
SCN1A	2	166859155	C	A	1371	G	C	0.993	Likely Pathoenic
SCN1A	2	166859155	C	G	1371	G	R	0.996	Likely Pathoenic
SCN1A	2	166859155	C	T	1371	G	S	0.992	Likely Pathoenic
SCN1A	2	166859154	C	A	1371	G	V	0.996	Likely Pathoenic
SCN1A	2	166859154	C	G	1371	G	A	0.986	Likely Pathoenic
SCN1A	2	166859154	C	T	1371	G	D	0.989	Likely Pathoenic
SCN1A	2	166859152	T	C	1372	K	E	0.986	Likely Pathoenic
SCN1A	2	166859152	T	G	1372	K	Q	0.977	Likely Pathoenic
SCN1A	2	166859151	T	A	1372	K	I	0.983	Likely Pathoenic
SCN1A	2	166859151	T	C	1372	K	R	0.964	Likely Pathoenic
SCN1A	2	166859151	T	G	1372	K	T	0.970	Likely Pathoenic
SCN1A	2	166859150	T	A	1372	K	N	0.982	Likely Pathoenic
SCN1A	2	166859150	T	C	1372	K	N	0.982	Likely Pathoenic
SCN1A	2	166859149	A	C	1373	F	V	0.990	Likely Pathoenic
SCN1A	2	166859149	A	G	1373	F	L	0.940	Likely Pathoenic
SCN1A	2	166859149	A	T	1373	F	I	0.973	Likely Pathoenic
SCN1A	2	166859148	A	C	1373	F	C	0.995	Likely Pathoenic
SCN1A	2	166859148	A	G	1373	F	S	0.993	Likely Pathoenic
SCN1A	2	166859148	A	T	1373	F	Y	0.671	Likely Benian
SCN1A	2	166859147	G	C	1373	F	L	0.835	Likely Pathoenic
SCN1A	2	166859147	G	T	1373	F	L	0.837	Likely Pathoenic
SCN1A	2	166859146	A	C	1374	Y	D	0.930	Likely Pathoenic
SCN1A	2	166859146	A	G	1374	Y	H	0.676	Likely Benian
SCN1A	2	166859146	A	T	1374	Y	N	0.800	Likely Pathoenic
SCN1A	2	166859145	T	A	1374	Y	F	0.542	Likely Benian
SCN1A	2	166859145	T	C	1374	Y	C	0.945	Likely Pathoenic
SCN1A	2	166859145	T	G	1374	Y	S	0.666	Likely Benian
SCN1A	2	166859143	G	A	1375	H	Y	0.127	Likely Benian
SCN1A	2	166859143	G	C	1375	H	D	0.750	Likely Benian
SCN1A	2	166859143	G	T	1375	H	N	0.480	Likely Benian
SCN1A	2	166859142	T	A	1375	H	L	0.616	Likely Benian
SCN1A	2	166859142	T	C	1375	H	R	0.146	Likely Benian
SCN1A	2	166859142	T	G	1375	H	P	0.811	Likely Pathoenic
SCN1A	2	166859141	G	C	1375	H	Q	0.454	Likely Benian
SCN1A	2	166859141	G	T	1375	H	Q	0.513	Likely Benian
SCN1A	2	166859140	A	C	1376	C	G	0.995	Likely Pathoenic
SCN1A	2	166859140	A	G	1376	C	R	0.995	Likely Pathoenic
SCN1A	2	166859140	A	T	1376	C	S	0.992	Likely Pathoenic
SCN1A	2	166859139	C	A	1376	C	F	0.994	Likely Pathoenic
SCN1A	2	166859139	C	G	1376	C	S	0.993	Likely Pathoenic
SCN1A	2	166859139	C	T	1376	C	Y	0.995	Likely Pathoenic
SCN1A	2	166859138	A	C	1376	C	W	0.996	Likely Pathoenic
SCN1A	2	166859137	T	A	1377	I	F	0.388	Likely Benian
SCN1A	2	166859137	T	C	1377	I	V	0.261	Likely Benian
SCN1A	2	166859137	T	G	1377	I	L	0.368	Likely Benian
SCN1A	2	166859136	A	C	1377	I	S	0.886	Likely Pathoenic
SCN1A	2	166859136	A	G	1377	I	T	0.736	Likely Benian
SCN1A	2	166859136	A	T	1377	I	N	0.936	Likely Pathoenic
SCN1A	2	166859135	A	C	1377	I	M	0.878	Likely Pathoenic
SCN1A	2	166859134	T	A	1378	N	Y	0.976	Likely Pathoenic
SCN1A	2	166859134	T	C	1378	N	D	0.505	Likely Benian
SCN1A	2	166859134	T	G	1378	N	H	0.973	Likely Pathoenic
SCN1A	2	166859133	T	A	1378	N	I	0.976	Likely Pathoenic
SCN1A	2	166859133	T	C	1378	N	S	0.954	Likely Pathoenic
SCN1A	2	166859133	T	G	1378	N	T	0.974	Likely Pathoenic
SCN1A	2	166859132	G	C	1378	N	K	0.974	Likely Pathoenic
SCN1A	2	166859132	G	T	1378	N	K	0.974	Likely Pathoenic
SCN1A	2	166859131	T	A	1379	T	S	0.580	Likely Benian
SCN1A	2	166859131	T	G	1379	T	A	0.340	Likely Benian
SCN1A	2	166859130	G	A	1379	T	P	0.836	Likely Pathoenic
SCN1A	2	166859130	G	C	1379	T	S	0.678	Likely Benian
SCN1A	2	166859130	G	T	1379	T	N	0.623	Likely Benian
SCN1A	2	166859128	T	A	1380	T	S	0.809	Likely Pathoenic
SCN1A	2	166859128	T	C	1380	T	A	0.940	Likely Pathoenic
SCN1A	2	166859128	T	G	1380	T	P	0.966	Likely Pathoenic
SCN1A	2	166859127	G	A	1380	T	I	0.981	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166231271	T	A	1350	I	K	0.997	Likely Pathogenic
SCN2A	2	166231271	T	C	1350	I	T	0.997	Likely Pathogenic
SCN2A	2	166231271	T	G	1350	I	R	0.997	Likely Pathogenic
SCN2A	2	166231272	A	G	1350	I	M	0.979	Likely Pathogenic
SCN2A	2	166231273	A	T	1351	F	I	0.996	Likely Pathogenic
SCN2A	2	166231273	T	C	1351	F	L	0.992	Likely Pathogenic
SCN2A	2	166231273	T	G	1351	F	V	0.997	Likely Pathogenic
SCN2A	2	166231274	A	T	1351	F	Y	0.971	Likely Pathogenic
SCN2A	2	166231274	T	C	1351	F	S	0.994	Likely Pathogenic
SCN2A	2	166231274	T	G	1351	F	C	0.996	Likely Pathogenic
SCN2A	2	166231275	C	A	1351	F	L	0.991	Likely Pathogenic
SCN2A	2	166231275	C	G	1351	F	L	0.991	Likely Pathogenic
SCN2A	2	166231276	A	C	1352	S	R	0.987	Likely Pathogenic
SCN2A	2	166231276	A	G	1352	S	G	0.888	Likely Pathogenic
SCN2A	2	166231276	A	T	1352	S	C	0.926	Likely Pathogenic
SCN2A	2	166231277	G	A	1352	S	N	0.989	Likely Pathogenic
SCN2A	2	166231277	G	C	1352	S	T	0.979	Likely Pathogenic
SCN2A	2	166231277	G	T	1352	S	I	0.99	Likely Pathogenic
SCN2A	2	166231278	T	A	1352	S	R	0.987	Likely Pathogenic
SCN2A	2	166231278	T	G	1352	S	R	0.987	Likely Pathogenic
SCN2A	2	166231279	A	C	1353	I	L	0.958	Likely Pathogenic
SCN2A	2	166231279	A	G	1353	I	V	0.954	Likely Pathogenic
SCN2A	2	166231279	A	T	1353	I	F	0.996	Likely Pathogenic
SCN2A	2	166231280	T	A	1353	I	N	0.994	Likely Pathogenic
SCN2A	2	166231280	T	C	1353	I	T	0.994	Likely Pathogenic
SCN2A	2	166231280	T	G	1353	I	S	0.992	Likely Pathogenic
SCN2A	2	166231281	C	G	1353	I	M	0.993	Likely Pathogenic
SCN2A	2	166231282	A	C	1354	M	L	0.733	Likely Benign
SCN2A	2	166231282	A	G	1354	M	V	0.837	Likely Pathogenic
SCN2A	2	166231282	A	T	1354	M	L	0.733	Likely Benign
SCN2A	2	166231283	T	A	1354	M	K	0.993	Likely Pathogenic
SCN2A	2	166231283	T	C	1354	M	T	0.986	Likely Pathogenic
SCN2A	2	166231283	T	G	1354	M	R	0.994	Likely Pathogenic
SCN2A	2	166231284	G	A	1354	M	I	0.908	Likely Pathogenic
SCN2A	2	166231284	G	C	1354	M	I	0.907	Likely Pathogenic
SCN2A	2	166231284	G	T	1354	M	I	0.909	Likely Pathogenic
SCN2A	2	166231285	A	C	1355	G	R	0.994	Likely Pathogenic
SCN2A	2	166231285	G	C	1355	G	R	0.994	Likely Pathogenic
SCN2A	2	166231286	G	A	1355	G	E	0.993	Likely Pathogenic
SCN2A	2	166231286	G	C	1355	G	A	0.971	Likely Pathogenic
SCN2A	2	166231286	G	T	1355	G	V	0.993	Likely Pathogenic
SCN2A	2	166231288	G	A	1356	V	M	0.97	Likely Pathogenic
SCN2A	2	166231288	G	C	1356	V	L	0.961	Likely Pathogenic
SCN2A	2	166231288	G	T	1356	V	L	0.961	Likely Pathogenic
SCN2A	2	166231289	T	A	1356	V	E	0.995	Likely Pathogenic
SCN2A	2	166231289	T	C	1356	V	A	0.99	Likely Pathogenic
SCN2A	2	166231289	T	G	1356	V	G	0.996	Likely Pathogenic
SCN2A	2	166231291	A	C	1357	N	H	0.975	Likely Pathogenic
SCN2A	2	166231291	A	G	1357	N	D	0.977	Likely Pathogenic
SCN2A	2	166231291	A	T	1357	N	Y	0.973	Likely Pathogenic
SCN2A	2	166231292	A	C	1357	N	T	0.974	Likely Pathogenic
SCN2A	2	166231292	A	G	1357	N	S	0.936	Likely Pathogenic
SCN2A	2	166231292	A	T	1357	N	I	0.977	Likely Pathogenic
SCN2A	2	166231293	T	A	1357	N	K	0.963	Likely Pathogenic
SCN2A	2	166231293	T	G	1357	N	K	0.962	Likely Pathogenic
SCN2A	2	166231294	A	G	1358	L	I	0.975	Likely Pathogenic
SCN2A	2	166231294	C	G	1358	L	V	0.986	Likely Pathogenic
SCN2A	2	166231294	C	T	1358	L	F	0.924	Likely Pathogenic
SCN2A	2	166231295	A	C	1358	L	H	0.997	Likely Pathogenic
SCN2A	2	166231295	T	C	1358	L	P	0.997	Likely Pathogenic
SCN2A	2	166231295	T	G	1358	L	R	0.996	Likely Pathogenic
SCN2A	2	166231297	T	A	1359	F	I	0.995	Likely Pathogenic
SCN2A	2	166231297	T	C	1359	F	L	0.982	Likely Pathogenic
SCN2A	2	166231297	T	G	1359	F	V	0.996	Likely Pathogenic
SCN2A	2	166231298	T	A	1359	F	Y	0.975	Likely Pathogenic
SCN2A	2	166231298	T	C	1359	F	S	0.997	Likely Pathogenic
SCN2A	2	166231298	T	G	1359	F	C	0.997	Likely Pathogenic
SCN2A	2	166231299	T	A	1359	F	L	0.978	Likely Pathogenic
SCN2A	2	166231299	T	G	1359	F	L	0.978	Likely Pathogenic
SCN2A	2	166231300	G	A	1360	A	T	0.966	Likely Pathogenic
SCN2A	2	166231300	G	C	1360	A	P	0.974	Likely Pathogenic
SCN2A	2	166231300	G	T	1360	A	S	0.636	Likely Benign
SCN2A	2	166231301	C	A	1360	A	D	0.969	Likely Pathogenic
SCN2A	2	166231301	C	G	1360	A	G	0.719	Likely Benign
SCN2A	2	166231301	C	T	1360	A	V	0.963	Likely Pathogenic
SCN2A	2	166231303	G	A	1361	G	S	0.991	Likely Pathogenic
SCN2A	2	166231303	G	C	1361	G	R	0.995	Likely Pathogenic
SCN2A	2	166231303	G	T	1361	G	C	0.992	Likely Pathogenic
SCN2A	2	166231304	A	G	1361	G	D	0.988	Likely Pathogenic
SCN2A	2	166231304	G	C	1361	G	A	0.983	Likely Pathogenic
SCN2A	2	166231304	G	T	1361	G	V	0.995	Likely Pathogenic
SCN2A	2	166231306	A	C	1362	K	Q	0.978	Likely Pathogenic
SCN2A	2	166231306	A	G	1362	K	E	0.983	Likely Pathogenic
SCN2A	2	166231307	A	C	1362	K	T	0.97	Likely Pathogenic
SCN2A	2	166231307	A	G	1362	K	R	0.956	Likely Pathogenic
SCN2A	2	166231307	A	T	1362	K	M	0.99	Likely Pathogenic
SCN2A	2	166231308	G	C	1362	K	N	0.977	Likely Pathogenic
SCN2A	2	166231308	G	T	1362	K	N	0.977	Likely Pathogenic
SCN2A	2	166231309	T	A	1363	F	I	0.956	Likely Pathogenic
SCN2A	2	166231309	T	C	1363	F	L	0.818	Likely Pathogenic
SCN2A	2	166231309	T	G	1363	F	V	0.987	Likely Pathogenic
SCN2A	2	166231310	T	A	1363	F	Y	0.545	Likely Benign
SCN2A	2	166231310	T	C	1363	F	S	0.992	Likely Pathogenic
SCN2A	2	166231310	T	G	1363	F	C	0.993	Likely Pathogenic
SCN2A	2	166231311	T	A	1363	F	L	0.822	Likely Pathogenic
SCN2A	2	166231311	T	G	1363	F	L	0.816	Likely Pathogenic
SCN2A	2	166231312	T	A	1364	Y	N	0.839	Likely Pathogenic
SCN2A	2	166231312	T	C	1364	Y	H	0.64	Likely Benign
SCN2A	2	166231312	T	G	1364	Y	D	0.9	Likely Pathogenic
SCN2A	2	166231313	A	C	1364	Y	S	0.79	Likely Pathogenic
SCN2A	2	166231313	A	G	1364	Y	C	0.943	Likely Pathogenic
SCN2A	2	166231313	A	T	1364	Y	F	0.527	Likely Benign
SCN2A	2	166231315	C	A	1365	H	N	0.336	Likely Benign
SCN2A	2	166231315	C	G	1365	H	D	0.463	Likely Benign
SCN2A	2	166231315	C	T	1365	H	Y	0.129	Likely Benign
SCN2A	2	166231316	A	C	1365	H	P	0.659	Likely Benign
SCN2A	2	166231316	A	G	1365	H	R	0.106	Likely Benign
SCN2A	2	166231316	A	T	1365	H	L	0.476	Likely Benign
SCN2A	2	166231317	T	A	1365	H	Q	0.39	Likely Benign
SCN2A	2	166231317	T	G	1365	H	Q	0.391	Likely Benign
SCN2A	2	166231318	T	A	1366	C	S	0.991	Likely Pathogenic
SCN2A	2	166231318	T	C	1366	C	R	0.994	Likely Pathogenic
SCN2A	2	166231318	T	G	1366	C	G	0.994	Likely Pathogenic
SCN2A	2	166231319	A	G	1366	C	Y	0.994	Likely Pathogenic
SCN2A	2	166231319	G	C	1366	C	S	0.991	Likely Pathogenic
SCN2A	2	166231319	G	T	1366	C	F	0.993	Likely Pathogenic
SCN2A	2	166231320	T	G	1366	C	W	0.996	Likely Pathogenic
SCN2A	2	166231321	A	C	1367	I	L	0.358	Likely Benign
SCN2A	2	166231321	A	G	1367	I	V	0.153	Likely Benign
SCN2A	2	166231321	A	T	1367	I	F	0.503	Likely Benign
SCN2A	2	166231322	T	A	1367	I	N	0.867	Likely Pathogenic
SCN2A	2	166231322	T	C	1367	I	T	0.65	Likely Benign
SCN2A	2	166231322	T	G	1367	I	S	0.88	Likely Pathogenic
SCN2A	2	166231323	T	G	1367	I	M	0.567	Likely Benign
SCN2A	2	166231324	A	C	1368	N	H	0.975	Likely Pathogenic
SCN2A	2	166231324	A	G	1368	N	D	0.593	Likely Benign
SCN2A	2	166231324	A	T	1368	N	Y	0.976	Likely Pathogenic
SCN2A	2	166231325	A	C	1368	N	T	0.977	Likely Pathogenic
SCN2A	2	166231325	A	G	1368	N	S	0.964	Likely Pathogenic
SCN2A	2	166231325	A	T	1368	N	I	0.977	Likely Pathogenic
SCN2A	2	166231326	T	A	1368	N	K	0.972	Likely Pathogenic
SCN2A	2	166231326	T	G	1368	N	K	0.97	Likely Pathogenic
SCN2A	2	166231327	A	G	1369	Y	N	0.231	Likely Benign
SCN2A	2	166231327	T	C	1369	Y	H	0.268	Likely Benign
SCN2A	2	166231327	T	G	1369	Y	D	0.184	Likely Benign
SCN2A	2	166231328	A	C	1369	Y	S	0.16	Likely Benign
SCN2A	2	166231328	A	G	1369	Y	C	0.408	Likely Benign
SCN2A	2	166231328	A	T	1369	Y	F	0.175	Likely Benign
SCN2A	2	166231330	A	C	1370	T	P	0.975	Likely Pathogenic
SCN2A	2	166231330	A	G	1370	T	A	0.786	Likely Pathogenic
SCN2A	2	166231330	A	T	1370	T	S	0.827	Likely Pathogenic
SCN2A	2	166231331	C	A	1370	T	N	0.943	Likely Pathogenic
SCN2A	2	166231331	C	G	1370	T	S	0.907	Likely Pathogenic
SCN2A	2	166231331	C	T	1370	T	I	0.981	Likely Pathogenic
SCN2A	2	166231333	A	C	1371	T

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166859127	G	C	1380	T	R	0.975	Likely Pathoenic
SCN1A	2	166859127	G	T	1380	T	K	0.967	Likely Pathoenic
SCN1A	2	166859125	T	A	1381	T	S	0.175	Likely Benien
SCN1A	2	166859125	T	C	1381	T	A	0.325	Likely Benien
SCN1A	2	166859125	T	G	1381	T	P	0.740	Likely Benien
SCN1A	2	166859124	G	A	1381	T	I	0.787	Likely Pathoenic
SCN1A	2	166859124	G	C	1381	T	S	0.155	Likely Benien
SCN1A	2	166859124	G	T	1381	T	N	0.230	Likely Benien
SCN1A	2	166859122	C	A	1382	G	C	0.964	Likely Pathoenic
SCN1A	2	166859122	C	G	1382	G	R	0.953	Likely Pathoenic
SCN1A	2	166859122	C	T	1382	G	S	0.388	Likely Benien
SCN1A	2	166859121	A	T	1382	G	V	0.796	Likely Pathoenic
SCN1A	2	166859121	C	G	1382	G	A	0.644	Likely Benien
SCN1A	2	166859121	C	T	1382	G	D	0.191	Likely Benien
SCN1A	2	166859119	A	G	1383	D	Y	0.427	Likely Benien
SCN1A	2	166859119	C	G	1383	D	H	0.319	Likely Benien
SCN1A	2	166859119	C	T	1383	D	N	0.153	Likely Benien
SCN1A	2	166859118	T	A	1383	D	V	0.243	Likely Benien
SCN1A	2	166859118	T	C	1383	D	G	0.380	Likely Benien
SCN1A	2	166859118	T	G	1383	D	A	0.202	Likely Benien
SCN1A	2	166859117	G	C	1383	D	E	0.063	Likely Benien
SCN1A	2	166859117	G	T	1383	D	E	0.063	Likely Benien
SCN1A	2	166859116	T	A	1384	R	W	0.408	Likely Benien
SCN1A	2	166859116	T	C	1384	R	G	0.237	Likely Benien
SCN1A	2	166859115	C	A	1384	R	M	0.197	Likely Benien
SCN1A	2	166859115	C	G	1384	R	T	0.151	Likely Benien
SCN1A	2	166859115	C	T	1384	R	K	0.159	Likely Benien
SCN1A	2	166859114	A	G	1384	R	S	0.166	Likely Benien
SCN1A	2	166859114	C	G	1384	R	S	0.167	Likely Benien
SCN1A	2	166859113	A	C	1385	F	V	0.570	Likely Benien
SCN1A	2	166859113	A	G	1385	F	L	0.251	Likely Benien
SCN1A	2	166859113	A	T	1385	F	I	0.424	Likely Benien
SCN1A	2	166859112	A	C	1385	F	C	0.882	Likely Pathoenic
SCN1A	2	166859112	A	G	1385	F	S	0.576	Likely Benien
SCN1A	2	166859112	A	T	1385	F	Y	0.369	Likely Benien
SCN1A	2	166859111	A	C	1385	F	L	0.196	Likely Benien
SCN1A	2	166859111	A	T	1385	F	L	0.199	Likely Benien
SCN1A	2	166859110	C	A	1386	D	Y	0.582	Likely Benien
SCN1A	2	166859110	C	G	1386	D	H	0.653	Likely Benien
SCN1A	2	166859110	C	T	1386	D	N	0.130	Likely Benien
SCN1A	2	166859109	T	A	1386	D	V	0.508	Likely Benien
SCN1A	2	166859109	T	C	1386	D	G	0.278	Likely Benien
SCN1A	2	166859109	G	A	1386	D	A	0.285	Likely Benien
SCN1A	2	166859108	G	C	1386	D	E	0.177	Likely Benien
SCN1A	2	166859108	G	T	1386	D	E	0.177	Likely Benien
SCN1A	2	166859107	T	A	1387	I	F	0.348	Likely Benien
SCN1A	2	166859107	T	C	1387	I	V	0.157	Likely Benien
SCN1A	2	166859107	T	G	1387	I	L	0.165	Likely Benien
SCN1A	2	166859106	A	C	1387	I	S	0.203	Likely Benien
SCN1A	2	166859106	A	G	1387	I	T	0.205	Likely Benien
SCN1A	2	166859106	A	T	1387	I	N	0.443	Likely Benien
SCN1A	2	166859105	G	C	1387	I	M	0.443	Likely Benien
SCN1A	2	166859104	C	A	1388	E	Q	0.222	Likely Benien
SCN1A	2	166859104	C	T	1388	E	K	0.166	Likely Benien
SCN1A	2	166859103	T	A	1388	E	V	0.242	Likely Benien
SCN1A	2	166859103	T	C	1388	E	G	0.187	Likely Benien
SCN1A	2	166859103	T	G	1388	E	A	0.151	Likely Benien
SCN1A	2	166859102	T	A	1388	E	D	0.125	Likely Benien
SCN1A	2	166859102	T	G	1388	E	D	0.125	Likely Benien
SCN1A	2	166859101	C	A	1389	D	Y	0.210	Likely Benien
SCN1A	2	166859101	C	G	1389	D	H	0.219	Likely Benien
SCN1A	2	166859101	C	T	1389	D	N	0.129	Likely Benien
SCN1A	2	166859100	A	T	1389	D	V	0.142	Likely Benien
SCN1A	2	166859100	T	C	1389	D	G	0.278	Likely Benien
SCN1A	2	166859100	T	G	1389	D	A	0.251	Likely Benien
SCN1A	2	166859099	G	C	1389	D	E	0.083	Likely Benien
SCN1A	2	166859099	G	T	1389	D	E	0.082	Likely Benien
SCN1A	2	166859098	C	A	1390	V	L	0.873	Likely Pathoenic
SCN1A	2	166859098	C	G	1390	V	L	0.873	Likely Pathoenic
SCN1A	2	166859098	C	T	1390	V	M	0.965	Likely Pathoenic
SCN1A	2	166859097	A	C	1390	V	G	0.960	Likely Pathoenic
SCN1A	2	166859097	A	G	1390	V	A	0.924	Likely Pathoenic
SCN1A	2	166859097	A	T	1390	V	E	0.967	Likely Pathoenic
SCN1A	2	166859095	T	A	1391	N	Y	0.626	Likely Benien
SCN1A	2	166859095	T	C	1391	N	D	0.421	Likely Benien
SCN1A	2	166859095	T	G	1391	N	H	0.787	Likely Pathoenic
SCN1A	2	166859094	T	A	1391	N	I	0.829	Likely Pathoenic
SCN1A	2	166859094	T	C	1391	N	S	0.405	Likely Benien
SCN1A	2	166859094	T	G	1391	N	T	0.433	Likely Benien
SCN1A	2	166859093	A	C	1391	N	K	0.372	Likely Benien
SCN1A	2	166859093	A	T	1391	N	K	0.372	Likely Benien
SCN1A	2	166859092	T	A	1392	N	Y	0.969	Likely Pathoenic
SCN1A	2	166859092	T	C	1392	N	D	0.640	Likely Benien
SCN1A	2	166859092	T	G	1392	N	H	0.965	Likely Pathoenic
SCN1A	2	166859091	A	C	1392	N	I	0.972	Likely Pathoenic
SCN1A	2	166859091	T	C	1392	N	S	0.747	Likely Benien
SCN1A	2	166859091	T	G	1392	N	T	0.768	Likely Benien
SCN1A	2	166859090	A	C	1392	N	K	0.935	Likely Pathoenic
SCN1A	2	166859090	A	T	1392	N	K	0.935	Likely Pathoenic
SCN1A	2	166859089	G	A	1393	H	Y	0.108	Likely Benien
SCN1A	2	166859089	G	C	1393	H	D	0.122	Likely Benien
SCN1A	2	166859089	G	T	1393	H	N	0.149	Likely Benien
SCN1A	2	166859088	T	A	1393	H	L	0.129	Likely Benien
SCN1A	2	166859088	T	C	1393	H	R	0.029	Likely Benien
SCN1A	2	166859088	T	G	1393	H	P	0.151	Likely Benien
SCN1A	2	166859087	A	C	1393	H	Q	0.084	Likely Benien
SCN1A	2	166859087	A	T	1393	H	Q	0.084	Likely Benien
SCN1A	2	166859086	T	A	1394	T	S	0.147	Likely Benien
SCN1A	2	166859086	T	C	1394	T	A	0.268	Likely Benien
SCN1A	2	166859086	T	G	1394	T	P	0.820	Likely Pathoenic
SCN1A	2	166859085	G	A	1394	T	I	0.769	Likely Benien
SCN1A	2	166859085	G	C	1394	T	S	0.159	Likely Benien
SCN1A	2	166859085	G	T	1394	T	N	0.215	Likely Benien
SCN1A	2	166859083	C	A	1395	D	Y	0.879	Likely Pathoenic
SCN1A	2	166859083	C	G	1395	D	H	0.601	Likely Benien
SCN1A	2	166859083	C	T	1395	D	N	0.660	Likely Benien
SCN1A	2	166859082	T	A	1395	D	V	0.574	Likely Benien
SCN1A	2	166859082	T	C	1395	D	G	0.855	Likely Pathoenic
SCN1A	2	166859082	T	G	1395	D	A	0.450	Likely Benien
SCN1A	2	166859081	A	C	1395	D	E	0.123	Likely Benien
SCN1A	2	166859081	A	T	1395	D	E	0.123	Likely Benien
SCN1A	2	166859080	A	C	1396	C	G	0.993	Likely Pathoenic
SCN1A	2	166859080	A	G	1396	C	R	0.995	Likely Pathoenic
SCN1A	2	166859080	A	T	1396	C	S	0.989	Likely Pathoenic
SCN1A	2	166859079	C	A	1396	C	F	0.989	Likely Pathoenic
SCN1A	2	166859079	C	G	1396	C	S	0.989	Likely Pathoenic
SCN1A	2	166859079	C	T	1396	C	Y	0.993	Likely Pathoenic
SCN1A	2	166859078	G	C	1396	C	W	0.993	Likely Pathoenic
SCN1A	2	166859077	G	C	1397	L	V	0.248	Likely Benien
SCN1A	2	166859077	G	T	1397	L	I	0.175	Likely Benien
SCN1A	2	166859076	A	C	1397	L	R	0.336	Likely Benien
SCN1A	2	166859076	A	G	1397	L	P	0.328	Likely Benien
SCN1A	2	166859076	A	T	1397	L	Q	0.318	Likely Benien
SCN1A	2	166859074	T	C	1398	K	E	0.067	Likely Benien
SCN1A	2	166859074	T	G	1398	K	Q	0.093	Likely Benien
SCN1A	2	166859073	A	T	1398	K	I	0.276	Likely Benien
SCN1A	2	166859073	T	C	1398	K	R	0.115	Likely Benien
SCN1A	2	166859073	T	G	1398	K	T	0.122	Likely Benien
SCN1A	2	166859072	T	A	1398	K	N	0.070	Likely Benien
SCN1A	2	166859072	T	G	1398	K	N	0.070	Likely Benien
SCN1A	2	166859071	G	C	1399	L	V	0.512	Likely Benien
SCN1A	2	166859071	G	T	1399	L	I	0.469	Likely Benien
SCN1A	2	166859070	A	C	1399	L	R	0.906	Likely Pathoenic
SCN1A	2	166859070	A	G	1399	L	P	0.888	Likely Pathoenic
SCN1A	2	166859070	A	T	1399	L	Q	0.745	Likely Benien
SCN1A	2	166859068	T	A	1400	I	L	0.222	Likely Benien
SCN1A	2	166859068	T	C	1400	I	V	0.160	Likely Benien
SCN1A	2	166859068	T	G	1400	I	L	0.221	Likely Benien
SCN1A	2	166859067	A	C	1400	I	R	0.377	Likely Benien
SCN1A	2	166859067	A	G	1400	I	T	0.304	Likely Benien
SCN1A	2	166859067	A	T	1400	I	K	0.424	Likely Benien
SCN1A	2	166859066	T	C	1400	I	M	0.192	Likely Benien
SCN1A	2	166859065	C	G	1401	E	Q	0.203	Likely Benien
SCN1A	2	166859065	C	T	1401	E	K	0.119	Likely Benien
SCN1A	2	166859064	A	T	1401	E	V	0.178	Likely Benien
SCN1A	2	166859064	T	C	1401	E	G	0.108	Likely Benien
SCN1A	2	166859064	T	G	1401	E	A	0.180	Likely Benien
SCN1A	2	166859063	T	A	1401	E	D	0.119	Likely Benien
SCN1A	2	166859063	T	G	1401	E	D	0.117	Likely Benien
SCN1A	2	166859062	T	C	1402	R	G	0.089	Likely Benien
SCN1A	2	166859061	C	A	1402	R	I	0.135	Likely Benien
SCN1A	2	166859061	C	G	1402	R	T	0.037	Likely Benien
SCN1A	2	166859061	C	T	1402	R	K	0.122	Likely Benien
SCN1A	2	166859060	T	A	1402	R	S	0.049	Likely Benien
SCN1A	2	166859060	T	G	1402	R	S	0.049	Likely Benien
SCN1A	2	166859059	T	A	1403	N	Y	0.743	Likely Benien
SCN1A	2	166859059	T	C	1403	N	D	0.563	Likely Benien
SCN1A	2	166859059	T	G	1403	N	H	0.604	Likely Benien
SCN1A	2	166859058	T	A	1403	N	I	0.750	Likely Benien
SCN1A	2	166859058	T	C	1403	N	S	0.332	Likely Benien
SCN1A	2	166859058	T	G	1403	N	T	0.385	Likely Benien
SCN1A	2	166859057	A	C	1403	N	K	0.534	Likely Benien
SCN1A	2	166859057	A	T	1403	N	K	0.536	Likely Benien
SCN1A	2	166859056	C	G	1404	E	Q	0.248	Likely Benien
SCN1A	2	166859056	C	T	1404	E	K	0.285	Likely Benien
SCN1A	2	166859055	T	A	1404	E	V	0.677	Likely Benien
SCN1A	2	166859055	T	C	1404	E	G	0.274	Likely Benien
SCN1A	2	166859055	T	G	1404	E	A	0.515	Likely Benien
SCN1A	2	166859054	C	A	1404	E	D	0.315	Likely Benien
SCN1A	2	166859054	C	G	1404	E	D	0.307	Likely Benien
SCN1A	2	166859053	T	A	1405	T	S	0.306	Likely Benien
SCN1A	2	166859053	T	C	1405	T	A	0.307	Likely Benien
SCN1A	2	166859053	T	G	1405	T	P	0.430	Likely Benien
SCN1A	2	166859052	G	A	1405	T	I	0.453	Likely Benien
SCN1A	2	166859052	G	C	1405	T	S	0.260	Likely Benien
SCN1A	2	166859052	G	T	1405	T	N	0.124	Likely Benien
SCN1A	2	166859050	C	A	1406	A	S	0.814	Likely Pathoenic
SCN1A	2	166859050	C	G	1406	A	P	0.825	Likely Pathoenic
SCN1A	2	166859050	C	T	1406	A	T	0.758	Likely Benien
SCN1A	2	166859049	G	A	1406	A	V	0.440	Likely Benien
SCN1A	2	166859049	G	C	1406	A	G	0.742	Likely Benien
SCN1A	2	166859049	G	T	1406	A	D	0.877	Likely Pathoenic
SCN1A	2	166859047	G	C	1407	R	L	0.913	Likely Pathoenic
SCN1A	2	166859046	C	A	1407	R	L	0.953	Likely Pathoenic
SCN1A	2	166859046	C	G	1407	R	P	0.958	Likely Pathoenic
SCN1A	2	166859046	C	T	1407	R	Q	0.908	Likely Pathoenic
SCN1A	2	166859044	A	C	1408	W	G	0.993	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166231351	G	A	1377	V	I	0.089	Likely Benign
SCN2A	2	166231351	G	C	1377	V	L	0.112	Likely Benign
SCN2A	2	166231351	G	T	1377	V	L	0.112	Likely Benign
SCN2A	2	166231352	T	A	1377	V	E	0.19	Likely Benign
SCN2A	2	166231352	T	C	1377	V	A	0.094	Likely Benign
SCN2A	2	166231352	T	G	1377	V	G	0.344	Likely Benign
SCN2A	2	166231354	A	C	1378	S	R	0.261	Likely Benign
SCN2A	2	166231354	A	G	1378	S	G	0.273	Likely Benign
SCN2A	2	166231354	A	T	1378	S	C	0.696	Likely Benign
SCN2A	2	166231355	G	A	1378	S	N	0.191	Likely Benign
SCN2A	2	166231355	G	C	1378	S	T	0.129	Likely Benign
SCN2A	2	166231355	G	T	1378	S	I	0.551	Likely Benign
SCN2A	2	166231356	C	A	1378	S	R	0.312	Likely Benign
SCN2A	2	166231356	C	G	1378	S	R	0.316	Likely Benign
SCN2A	2	166231357	G	A	1379	V	M	0.262	Likely Benign
SCN2A	2	166231357	G	C	1379	V	L	0.164	Likely Benign
SCN2A	2	166231357	G	T	1379	V	L	0.163	Likely Benign
SCN2A	2	166231358	T	A	1379	V	E	0.114	Likely Benign
SCN2A	2	166231358	T	C	1379	V	A	0.258	Likely Benign
SCN2A	2	166231358	T	G	1379	V	G	0.325	Likely Benign
SCN2A	2	166231360	G	A	1380	V	I	0.153	Likely Benign
SCN2A	2	166231360	G	C	1380	V	L	0.745	Likely Benign
SCN2A	2	166231360	G	T	1380	V	F	0.728	Likely Benign
SCN2A	2	166231361	T	A	1380	V	D	0.959	Likely Pathogenic
SCN2A	2	166231361	T	C	1380	V	A	0.869	Likely Pathogenic
SCN2A	2	166231361	T	G	1380	V	G	0.942	Likely Pathogenic
SCN2A	2	166231363	A	C	1381	N	H	0.736	Likely Benign
SCN2A	2	166231363	A	G	1381	N	D	0.282	Likely Benign
SCN2A	2	166231363	A	T	1381	N	Y	0.626	Likely Benign
SCN2A	2	166231364	A	C	1381	N	T	0.328	Likely Benign
SCN2A	2	166231364	A	G	1381	N	S	0.303	Likely Benign
SCN2A	2	166231364	A	T	1381	N	I	0.783	Likely Pathogenic
SCN2A	2	166231365	C	A	1381	N	K	0.36	Likely Benign
SCN2A	2	166231365	C	G	1381	N	K	0.361	Likely Benign
SCN2A	2	166231366	A	C	1382	N	H	0.923	Likely Pathogenic
SCN2A	2	166231366	A	G	1382	N	D	0.666	Likely Benign
SCN2A	2	166231366	A	T	1382	N	Y	0.973	Likely Pathogenic
SCN2A	2	166231367	A	C	1382	N	T	0.807	Likely Pathogenic
SCN2A	2	166231367	A	G	1382	N	S	0.808	Likely Pathogenic
SCN2A	2	166231367	A	T	1382	N	I	0.976	Likely Pathogenic
SCN2A	2	166231368	C	A	1382	N	K	0.925	Likely Pathogenic
SCN2A	2	166231368	C	G	1382	N	K	0.925	Likely Pathogenic
SCN2A	2	166231369	T	A	1383	Y	N	0.179	Likely Benign
SCN2A	2	166231369	T	G	1383	Y	H	0.141	Likely Benign
SCN2A	2	166231369	T	G	1383	Y	D	0.147	Likely Benign
SCN2A	2	166231370	A	C	1383	Y	S	0.157	Likely Benign
SCN2A	2	166231370	A	G	1383	Y	C	0.357	Likely Benign
SCN2A	2	166231370	A	T	1383	Y	F	0.195	Likely Benign
SCN2A	2	166231372	A	C	1384	S	R	0.8	Likely Pathogenic
SCN2A	2	166231372	A	G	1384	S	G	0.733	Likely Benign
SCN2A	2	166231372	A	T	1384	S	C	0.936	Likely Pathogenic
SCN2A	2	166231373	G	A	1384	S	N	0.36	Likely Benign
SCN2A	2	166231373	G	C	1384	S	I	0.151	Likely Benign
SCN2A	2	166231373	G	T	1384	S	I	0.803	Likely Pathogenic
SCN2A	2	166231374	T	A	1384	S	R	0.775	Likely Benign
SCN2A	2	166231374	T	G	1384	S	R	0.758	Likely Benign
SCN2A	2	166231375	G	A	1385	E	K	0.508	Likely Benign
SCN2A	2	166231375	G	C	1385	E	Q	0.155	Likely Benign
SCN2A	2	166231376	A	C	1385	E	A	0.401	Likely Benign
SCN2A	2	166231376	A	G	1385	E	G	0.823	Likely Pathogenic
SCN2A	2	166231376	A	T	1385	E	V	0.393	Likely Benign
SCN2A	2	166231377	G	C	1385	E	D	0.151	Likely Benign
SCN2A	2	166231377	G	T	1385	E	D	0.15	Likely Benign
SCN2A	2	166231378	T	A	1386	C	S	0.969	Likely Pathogenic
SCN2A	2	166231378	T	C	1386	C	R	0.991	Likely Pathogenic
SCN2A	2	166231378	T	G	1386	C	G	0.985	Likely Pathogenic
SCN2A	2	166231379	G	A	1386	C	Y	0.98	Likely Pathogenic
SCN2A	2	166231379	G	C	1386	C	S	0.964	Likely Pathogenic
SCN2A	2	166231379	G	T	1386	C	F	0.974	Likely Pathogenic
SCN2A	2	166231380	C	G	1386	C	W	0.993	Likely Pathogenic
SCN2A	2	166231381	A	C	1387	K	Q	0.148	Likely Benign
SCN2A	2	166231381	A	G	1387	K	E	0.055	Likely Benign
SCN2A	2	166231382	A	C	1387	K	T	0.203	Likely Benign
SCN2A	2	166231382	A	G	1387	K	R	0.133	Likely Benign
SCN2A	2	166231382	A	T	1387	K	I	0.108	Likely Benign
SCN2A	2	166231383	A	C	1387	K	N	0.097	Likely Benign
SCN2A	2	166231383	A	T	1387	K	N	0.097	Likely Benign
SCN2A	2	166231384	G	A	1388	A	T	0.345	Likely Benign
SCN2A	2	166231384	G	C	1388	A	P	0.636	Likely Pathogenic
SCN2A	2	166231384	G	T	1388	A	S	0.143	Likely Benign
SCN2A	2	166231385	C	A	1388	A	D	0.192	Likely Benign
SCN2A	2	166231385	C	G	1388	A	G	0.209	Likely Benign
SCN2A	2	166231385	C	T	1388	A	V	0.379	Likely Benign
SCN2A	2	166231387	C	A	1389	L	I	0.29	Likely Benign
SCN2A	2	166231387	C	G	1389	L	V	0.305	Likely Benign
SCN2A	2	166231387	C	T	1389	L	F	0.329	Likely Benign
SCN2A	2	166231388	T	A	1389	L	H	0.633	Likely Benign
SCN2A	2	166231388	T	C	1389	L	P	0.765	Likely Pathogenic
SCN2A	2	166231388	T	G	1389	L	R	0.726	Likely Benign
SCN2A	2	166231390	A	C	1390	I	L	0.162	Likely Benign
SCN2A	2	166231390	A	G	1390	I	V	0.14	Likely Benign
SCN2A	2	166231390	A	T	1390	I	F	0.185	Likely Benign
SCN2A	2	166231391	T	A	1390	I	N	0.15	Likely Benign
SCN2A	2	166231391	T	C	1390	I	T	0.181	Likely Benign
SCN2A	2	166231391	T	G	1390	I	S	0.254	Likely Benign
SCN2A	2	166231392	T	G	1390	I	M	0.129	Likely Benign
SCN2A	2	166231393	G	A	1391	E	K	0.121	Likely Benign
SCN2A	2	166231393	G	C	1391	E	Q	0.203	Likely Benign
SCN2A	2	166231394	A	C	1391	E	A	0.17	Likely Benign
SCN2A	2	166231394	A	G	1391	E	G	0.127	Likely Benign
SCN2A	2	166231394	A	T	1391	E	V	0.18	Likely Benign
SCN2A	2	166231395	G	C	1391	E	D	0.113	Likely Benign
SCN2A	2	166231395	G	T	1391	E	D	0.113	Likely Benign
SCN2A	2	166231396	A	C	1392	S	R	0.214	Likely Benign
SCN2A	2	166231396	A	G	1392	S	G	0.156	Likely Benign
SCN2A	2	166231396	A	T	1392	S	C	0.348	Likely Benign
SCN2A	2	166231397	G	A	1392	S	N	0.108	Likely Benign
SCN2A	2	166231397	G	C	1392	S	T	0.085	Likely Benign
SCN2A	2	166231397	G	T	1392	S	I	0.249	Likely Benign
SCN2A	2	166231398	C	A	1392	S	R	0.204	Likely Benign
SCN2A	2	166231398	C	G	1392	S	R	0.203	Likely Benign
SCN2A	2	166231399	A	C	1393	N	H	0.76	Likely Benign
SCN2A	2	166231399	A	G	1393	N	D	0.5	Likely Benign
SCN2A	2	166231399	A	T	1393	N	Y	0.772	Likely Benign
SCN2A	2	166231400	A	C	1393	N	Y	0.335	Likely Benign
SCN2A	2	166231400	A	G	1393	N	S	0.333	Likely Benign
SCN2A	2	166231400	A	T	1393	N	I	0.77	Likely Benign
SCN2A	2	166231401	T	A	1393	N	K	0.524	Likely Benign
SCN2A	2	166231401	T	G	1393	N	K	0.516	Likely Benign
SCN2A	2	166231402	C	A	1394	Q	K	0.168	Likely Benign
SCN2A	2	166231402	C	G	1394	Q	E	0.156	Likely Benign
SCN2A	2	166231403	A	C	1394	Q	P	0.205	Likely Benign
SCN2A	2	166231403	A	G	1394	Q	R	0.287	Likely Benign
SCN2A	2	166231403	A	T	1394	Q	L	0.345	Likely Benign
SCN2A	2	166231404	A	C	1394	Q	H	0.399	Likely Benign
SCN2A	2	166231404	A	T	1394	Q	H	0.409	Likely Benign
SCN2A	2	166231405	A	C	1395	T	P	0.287	Likely Benign
SCN2A	2	166231405	A	G	1395	T	A	0.252	Likely Benign
SCN2A	2	166231405	A	T	1395	T	S	0.344	Likely Benign
SCN2A	2	166231406	C	A	1395	T	N	0.116	Likely Benign
SCN2A	2	166231406	C	G	1395	T	S	0.334	Likely Benign
SCN2A	2	166231406	C	T	1395	T	I	0.503	Likely Benign
SCN2A	2	166231408	A	C	1396	A	T	0.336	Likely Benign
SCN2A	2	166231408	G	C	1396	A	P	0.406	Likely Benign
SCN2A	2	166231408	G	T	1396	A	S	0.422	Likely Benign
SCN2A	2	166231409	A	C	1396	A	D	0.608	Likely Benign
SCN2A	2	166231409	C	G	1396	A	G	0.438	Likely Benign
SCN2A	2	166231409	C	T	1396	A	V	0.214	Likely Benign
SCN2A	2	166231411	A	G	1397	R	G	0.555	Likely Benign
SCN2A	2	166231411	A	T	1397	R	W	0.821	Likely Pathogenic
SCN2A	2	166231412	G	A	1397	R	K	0.493	Likely Benign
SCN2A	2	166231412	G	C	1397	R	T	0.359	Likely Benign
SCN2A	2	166231412	G	T	1397	R	M	0.861	Likely Pathogenic
SCN2A	2	166231413	G	C	1397	R	S	0.369	Likely Benign
SCN2A	2	166231413	G	T	1397	R	S	0.372	Likely Benign
SCN2A	2	166231414	T	A	1398	W	R	0.99	Likely Pathogenic
SCN2A	2	166231414	T	C	1398	W	R	0.99	Likely Pathogenic
SCN2A	2	166231414	T	G	1398	W	G	0.993	Likely Pathogenic
SCN2A	2	166231415	G	A	1398	W	S	0.992	Likely Pathogenic
SCN2A	2	166231415	G	T	1398	W	L	0.993	Likely Pathogenic
SCN2A	2	166231416	G	C	1398	W	C	0.996	Likely Pathogenic
SCN2A	2	166231416	G	T	1398	W	C	0.996	Likely Pathogenic
SCN2A	2	166231417	A	C	1399	K	Q	0.602	Likely Benign
SCN2A	2	166231417	A	G	1399	K	E	0.474	Likely Benign
SCN2A	2	166231417	A	T	1399	K	T	0.447	Likely Benign
SCN2A	2	166231418	A	G	1399	K	R	0.366	Likely Benign
SCN2A	2	166231418	A	T	1399	K	I	0.563	Likely Benign
SCN2A	2	166231419	A	C	1399	K	N	0.672	Likely Benign
SCN2A	2	166231419	A	T	1399	K	N	0.674	Likely Benign
SCN2A	2	166231420	A	C	1400	N	H	0.957	Likely Pathogenic
SCN2A	2	166231420	A	G	1400	N	D	0.956	Likely Pathogenic
SCN2A	2	166231420	A	T	1400	N	Y	0.978	Likely Pathogenic
SCN2A	2	166231421	A	C	1400	N	T	0.861	Likely Pathogenic
SCN2A	2	166231421	A	G	1400	N	S	0.948	Likely Pathogenic
SCN2A	2	166231421	A	T	1400	N	I	0.974	Likely Pathogenic
SCN2A	2	166231422	T	A	1400	N	K	0.735	Lik

GENE	CHR	DNA_LOC	REF_N T	ALT_N NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166859044	A	G	1408	W	R	0.993	Likely Pathoenic
SCN1A	2	166859044	A	T	1408	W	R	0.993	Likely Pathoenic
SCN1A	2	166859043	C	A	1408	W	L	0.995	Likely Pathoenic
SCN1A	2	166859043	C	G	1408	W	S	0.995	Likely Pathoenic
SCN1A	2	166859042	C	A	1408	W	C	0.995	Likely Pathoenic
SCN1A	2	166859042	C	G	1408	W	C	0.995	Likely Pathoenic
SCN1A	2	166859041	T	C	1409	K	E	0.270	Likely Benian
SCN1A	2	166859041	T	G	1409	K	Q	0.387	Likely Benian
SCN1A	2	166859040	A	T	1409	K	I	0.488	Likely Benian
SCN1A	2	166859040	T	C	1409	K	R	0.366	Likely Benian
SCN1A	2	166859040	T	G	1409	K	T	0.355	Likely Benian
SCN1A	2	166859039	A	A	1409	K	N	0.582	Likely Benian
SCN1A	2	166859039	T	G	1409	K	N	0.572	Likely Benian
SCN1A	2	166859038	T	A	1410	N	Y	0.988	Likely Pathoenic
SCN1A	2	166859038	T	C	1410	N	D	0.985	Likely Pathoenic
SCN1A	2	166859038	T	G	1410	N	H	0.981	Likely Pathoenic
SCN1A	2	166859037	T	A	1410	N	I	0.984	Likely Pathoenic
SCN1A	2	166859037	T	C	1410	N	S	0.970	Likely Pathoenic
SCN1A	2	166859037	T	G	1410	N	T	0.880	Likely Pathoenic
SCN1A	2	166859036	A	C	1410	N	K	0.875	Likely Pathoenic
SCN1A	2	166859036	A	T	1410	N	K	0.875	Likely Pathoenic
SCN1A	2	166859035	C	A	1411	V	L	0.474	Likely Benian
SCN1A	2	166859035	C	G	1411	V	L	0.445	Likely Benian
SCN1A	2	166859035	C	T	1411	V	M	0.858	Likely Pathoenic
SCN1A	2	166859034	A	C	1411	V	G	0.829	Likely Pathoenic
SCN1A	2	166859034	A	G	1411	V	A	0.661	Likely Benian
SCN1A	2	166859034	A	T	1411	V	E	0.884	Likely Pathoenic
SCN1A	2	166859032	T	C	1412	K	E	0.914	Likely Pathoenic
SCN1A	2	166859032	T	G	1412	K	Q	0.870	Likely Pathoenic
SCN1A	2	166859031	T	A	1412	K	I	0.868	Likely Pathoenic
SCN1A	2	166859031	T	C	1412	K	R	0.693	Likely Benian
SCN1A	2	166859031	T	G	1412	K	T	0.921	Likely Pathoenic
SCN1A	2	166859030	T	A	1412	K	N	0.858	Likely Pathoenic
SCN1A	2	166859030	T	G	1412	K	N	0.855	Likely Pathoenic
SCN1A	2	166859029	C	A	1413	V	L	0.963	Likely Pathoenic
SCN1A	2	166859029	C	G	1413	V	L	0.960	Likely Pathoenic
SCN1A	2	166859029	C	T	1413	V	I	0.593	Likely Benian
SCN1A	2	166859028	A	C	1413	V	G	0.988	Likely Pathoenic
SCN1A	2	166859028	A	G	1413	V	A	0.969	Likely Pathoenic
SCN1A	2	166859028	A	T	1413	V	E	0.976	Likely Pathoenic
SCN1A	2	166859026	T	A	1414	N	Y	0.991	Likely Pathoenic
SCN1A	2	166859026	T	C	1414	N	D	0.993	Likely Pathoenic
SCN1A	2	166859026	T	G	1414	N	H	0.978	Likely Pathoenic
SCN1A	2	166859025	A	A	1414	N	I	0.996	Likely Pathoenic
SCN1A	2	166859025	T	C	1414	N	S	0.978	Likely Pathoenic
SCN1A	2	166859025	T	G	1414	N	T	0.984	Likely Pathoenic
SCN1A	2	166859024	G	C	1414	N	K	0.993	Likely Pathoenic
SCN1A	2	166859024	G	T	1414	N	K	0.993	Likely Pathoenic
SCN1A	2	166859023	A	C	1415	F	V	0.998	Likely Pathoenic
SCN1A	2	166859023	A	G	1415	F	L	0.996	Likely Pathoenic
SCN1A	2	166859023	A	T	1415	F	I	0.998	Likely Pathoenic
SCN1A	2	166859022	A	C	1415	F	C	0.997	Likely Pathoenic
SCN1A	2	166859022	A	G	1415	F	S	0.995	Likely Pathoenic
SCN1A	2	166859022	A	T	1415	F	Y	0.995	Likely Pathoenic
SCN1A	2	166859021	A	C	1415	F	L	0.996	Likely Pathoenic
SCN1A	2	166859021	A	T	1415	F	L	0.996	Likely Pathoenic
SCN1A	2	166859020	C	A	1416	D	Y	0.996	Likely Pathoenic
SCN1A	2	166859020	C	G	1416	D	H	0.994	Likely Pathoenic
SCN1A	2	166859020	C	T	1416	D	N	0.975	Likely Pathoenic
SCN1A	2	166859019	T	A	1416	D	V	0.995	Likely Pathoenic
SCN1A	2	166859019	T	C	1416	D	G	0.972	Likely Pathoenic
SCN1A	2	166859019	T	G	1416	D	A	0.990	Likely Pathoenic
SCN1A	2	166859018	A	C	1416	D	E	0.988	Likely Pathoenic
SCN1A	2	166859018	A	T	1416	D	E	0.988	Likely Pathoenic
SCN1A	2	166859017	T	A	1417	N	Y	0.993	Likely Pathoenic
SCN1A	2	166859017	T	C	1417	N	D	0.924	Likely Pathoenic
SCN1A	2	166859017	T	G	1417	N	H	0.882	Likely Pathoenic
SCN1A	2	166859016	T	A	1417	N	I	0.995	Likely Pathoenic
SCN1A	2	166859016	T	C	1417	N	S	0.916	Likely Pathoenic
SCN1A	2	166859016	T	G	1417	N	T	0.972	Likely Pathoenic
SCN1A	2	166859015	A	C	1417	N	K	0.994	Likely Pathoenic
SCN1A	2	166859015	A	T	1417	N	K	0.994	Likely Pathoenic
SCN1A	2	166859014	C	A	1418	V	L	0.971	Likely Pathoenic
SCN1A	2	166859014	C	G	1418	V	L	0.971	Likely Pathoenic
SCN1A	2	166859014	C	T	1418	V	I	0.957	Likely Pathoenic
SCN1A	2	166859013	A	C	1418	V	G	0.995	Likely Pathoenic
SCN1A	2	166859013	A	G	1418	V	A	0.975	Likely Pathoenic
SCN1A	2	166859013	A	T	1418	V	E	0.995	Likely Pathoenic
SCN1A	2	166859011	C	G	1419	G	R	0.991	Likely Pathoenic
SCN1A	2	166859011	C	T	1419	G	R	0.991	Likely Pathoenic
SCN1A	2	166859010	C	A	1419	G	V	0.979	Likely Pathoenic
SCN1A	2	166859010	C	G	1419	G	A	0.926	Likely Pathoenic
SCN1A	2	166859010	C	T	1419	G	E	0.991	Likely Pathoenic
SCN1A	2	166859008	A	C	1420	F	V	0.453	Likely Benian
SCN1A	2	166859008	A	G	1420	F	L	0.206	Likely Benian
SCN1A	2	166859008	A	T	1420	F	I	0.280	Likely Benian
SCN1A	2	166859007	A	C	1420	F	C	0.934	Likely Pathoenic
SCN1A	2	166859007	A	G	1420	F	S	0.334	Likely Benian
SCN1A	2	166859007	A	T	1420	F	Y	0.508	Likely Benian
SCN1A	2	166859006	A	C	1420	F	L	0.205	Likely Benian
SCN1A	2	166859006	A	T	1420	F	L	0.214	Likely Benian
SCN1A	2	166859005	C	A	1421	G	W	0.991	Likely Pathoenic
SCN1A	2	166859005	C	G	1421	G	R	0.991	Likely Pathoenic
SCN1A	2	166859005	C	T	1421	G	R	0.991	Likely Pathoenic
SCN1A	2	166859004	C	A	1421	G	V	0.983	Likely Pathoenic
SCN1A	2	166859004	C	G	1421	G	A	0.306	Likely Benian
SCN1A	2	166859004	C	T	1421	G	E	0.988	Likely Pathoenic
SCN1A	2	166859002	A	C	1422	Y	D	0.994	Likely Pathoenic
SCN1A	2	166859002	A	G	1422	Y	H	0.993	Likely Pathoenic
SCN1A	2	166859002	A	T	1422	Y	N	0.993	Likely Pathoenic
SCN1A	2	166859001	T	A	1422	Y	F	0.863	Likely Pathoenic
SCN1A	2	166859001	T	C	1422	Y	C	0.991	Likely Pathoenic
SCN1A	2	166859001	T	G	1422	Y	S	0.981	Likely Pathoenic
SCN1A	2	166858999	A	C	1423	L	F	0.970	Likely Pathoenic
SCN1A	2	166858999	G	C	1423	L	V	0.967	Likely Pathoenic
SCN1A	2	166858999	G	T	1423	L	I	0.959	Likely Pathoenic
SCN1A	2	166858998	A	C	1423	L	R	0.995	Likely Pathoenic
SCN1A	2	166858998	A	G	1423	L	P	0.990	Likely Pathoenic
SCN1A	2	166858998	A	T	1423	L	H	0.995	Likely Pathoenic
SCN1A	2	166858996	C	A	1424	S	A	0.120	Likely Benian
SCN1A	2	166858996	A	G	1424	S	P	0.970	Likely Pathoenic
SCN1A	2	166858996	A	T	1424	S	T	0.716	Likely Benian
SCN1A	2	166858995	G	A	1424	S	F	0.971	Likely Pathoenic
SCN1A	2	166858995	G	C	1424	S	C	0.863	Likely Pathoenic
SCN1A	2	166858995	G	T	1424	S	Y	0.972	Likely Pathoenic
SCN1A	2	166858993	A	C	1425	L	V	0.963	Likely Pathoenic
SCN1A	2	166858993	A	T	1425	L	M	0.989	Likely Pathoenic
SCN1A	2	166858992	A	C	1425	L	W	0.995	Likely Pathoenic
SCN1A	2	166858992	A	G	1425	L	S	0.983	Likely Pathoenic
SCN1A	2	166858991	C	A	1425	L	F	0.982	Likely Pathoenic
SCN1A	2	166858991	C	G	1425	L	F	0.983	Likely Pathoenic
SCN1A	2	166858990	G	A	1426	L	F	0.758	Likely Benian
SCN1A	2	166858990	G	C	1426	L	V	0.987	Likely Pathoenic
SCN1A	2	166858990	G	T	1426	L	I	0.988	Likely Pathoenic
SCN1A	2	166858989	A	C	1426	L	R	0.991	Likely Pathoenic
SCN1A	2	166858989	A	G	1426	L	P	0.993	Likely Pathoenic
SCN1A	2	166858989	A	T	1426	L	H	0.993	Likely Pathoenic
SCN1A	2	166858987	G	C	1427	Q	E	0.973	Likely Pathoenic
SCN1A	2	166858987	G	T	1427	Q	K	0.993	Likely Pathoenic
SCN1A	2	166858986	T	A	1427	Q	L	0.982	Likely Pathoenic
SCN1A	2	166858986	T	C	1427	Q	R	0.970	Likely Pathoenic
SCN1A	2	166858986	T	G	1427	Q	P	0.994	Likely Pathoenic
SCN1A	2	166858985	T	A	1427	Q	H	0.991	Likely Pathoenic
SCN1A	2	166858985	T	G	1427	Q	H	0.991	Likely Pathoenic
SCN1A	2	166858984	C	A	1428	V	F	0.991	Likely Pathoenic
SCN1A	2	166858984	C	G	1428	V	L	0.968	Likely Pathoenic
SCN1A	2	166858984	C	T	1428	V	I	0.913	Likely Pathoenic
SCN1A	2	166858983	A	C	1428	V	G	0.991	Likely Pathoenic
SCN1A	2	166858983	A	G	1428	V	A	0.982	Likely Pathoenic
SCN1A	2	166858983	A	T	1428	V	D	0.995	Likely Pathoenic
SCN1A	2	166858285	G	A	1429	A	V	0.976	Likely Pathoenic
SCN1A	2	166858285	G	G	1429	A	G	0.988	Likely Pathoenic
SCN1A	2	166858285	G	T	1429	A	D	0.995	Likely Pathoenic
SCN1A	2	166858283	T	A	1430	T	S	0.975	Likely Pathoenic
SCN1A	2	166858283	T	C	1430	T	A	0.994	Likely Pathoenic
SCN1A	2	166858283	T	G	1430	T	P	0.996	Likely Pathoenic
SCN1A	2	166858282	G	A	1430	T	I	0.995	Likely Pathoenic
SCN1A	2	166858282	G	C	1430	T	R	0.995	Likely Pathoenic
SCN1A	2	166858282	G	T	1430	T	K	0.997	Likely Pathoenic
SCN1A	2	166858280	A	C	1431	F	V	0.979	Likely Pathoenic
SCN1A	2	166858280	A	G	1431	F	L	0.894	Likely Pathoenic
SCN1A	2	166858280	A	T	1431	F	I	0.983	Likely Pathoenic
SCN1A	2	166858279	A	C	1431	F	C	0.982	Likely Pathoenic
SCN1A	2	166858279	A	G	1431	F	S	0.985	Likely Pathoenic
SCN1A	2	166858279	A	T	1431	F	Y	0.925	Likely Pathoenic
SCN1A	2	166858278	G	C	1431	F	L	0.924	Likely Pathoenic
SCN1A	2	166858278	G	T	1431	F	L	0.925	Likely Pathoenic
SCN1A	2	166858277	C	T	1432	K	E	0.868	Likely Pathoenic
SCN1A	2	166858277	T	G	1432	K	Q	0.980	Likely Pathoenic
SCN1A	2	166858276	T	A	1432	K	I	0.986	Likely Pathoenic
SCN1A	2	166858276	T	C	1432	K	R	0.982	Likely Pathoenic
SCN1A	2	166858276	T	G	1432	K	T	0.967	Likely Pathoenic
SCN1A	2	166858275	T	A	1432	K	N	0.951	Likely Pathoenic
SCN1A	2	166858275	T	G	1432	K	H	0.950	Likely Pathoenic
SCN1A	2	166858274	C	G	1433	G	R	0.999	Likely Pathoenic
SCN1A	2	166858274	C	T	1433	G	R	0.999	Likely Pathoenic
SCN1A	2	166858273	C	A	1433	G	V	0.999	Likely Pathoenic
SCN1A	2	166858273	C	G	1433	G	A	0.998	Likely Pathoenic
SCN1A	2	166858273	C	T	1433	G	E	0.999	Likely Pathoenic
SCN1A	2	166858271	A	C	1434	W	G	0.996	Likely Pathoenic
SCN1A	2	166858271	A	G	1434	W	R	0.995	Likely Pathoenic
SCN1A	2	166858271	A	T	1434	W	R	0.995	Likely Pathoenic
SCN1A	2	166858270	C	A	1434	W	L	0.994	Likely Pathoenic
SCN1A	2	166858270	C	G	1434	W	S	0.995	Likely Pathoenic
SCN1A	2	166858269	C	A	1434	W	C	0.995	Likely Pathoenic
SCN1A	2	166858269	C	G	1434	W	C	0.995	Likely Pathoenic
SCN1A	2	166858268	T	A	1435	M	L	0.826	Likely Pathoenic
SCN1A	2	166858268	T	C	1435	M	V	0.867	Likely Pathoenic
SCN1A	2	166858268	T	G	1435	M	L	0.827	Likely Pathoenic
SCN1A	2	166858267	A	C	1435	M	R	0.979	Likely Pathoenic
SCN1A	2	166858267	A	G	1435	M	T	0.500	Likely Benian
SCN1A	2	166858267	A	T	1435	M	K	0.972	Likely Pathoenic
SCN1A	2	166858266	C	A	1435	M	I	0.639	Likely Benian
SCN1A	2	166858266	C	G	1435	M	I	0.625	Likely Benian
SCN1A	2	166858266	C	T	1435	M	I	0.630	Likely Benian
SCN1A	2	166858265	C	A	1436	D	Y	0.986	Likely Pathoenic
SCN1A	2	166858265	C	G	1436	D	H	0.994	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ALT_N NT	NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166231432	A	G	1404	N	D	0.986	Likely Pathogenic
SCN2A	2	166231432	A	T	1404	N	Y	0.984	Likely Pathogenic
SCN2A	2	166231433	A	C	1404	N	T	0.973	Likely Pathogenic
SCN2A	2	166231433	A	G	1404	N	S	0.954	Likely Pathogenic
SCN2A	2	166231433	A	T	1404	N	I	0.991	Likely Pathogenic
SCN2A	2	166231434	C	A	1404	N	K	0.988	Likely Pathogenic
SCN2A	2	166231434	C	G	1404	N	K	0.988	Likely Pathogenic
SCN2A	2	166231435	T	A	1405	F	I	0.997	Likely Pathogenic
SCN2A	2	166231435	T	C	1405	F	L	0.995	Likely Pathogenic
SCN2A	2	166231435	T	G	1405	F	V	0.997	Likely Pathogenic
SCN2A	2	166231436	T	A	1405	F	Y	0.862	Likely Pathogenic
SCN2A	2	166231436	T	C	1405	F	S	0.994	Likely Pathogenic
SCN2A	2	166231436	T	G	1405	F	C	0.995	Likely Pathogenic
SCN2A	2	166231437	T	A	1405	F	L	0.994	Likely Pathogenic
SCN2A	2	166231437	T	G	1405	F	L	0.994	Likely Pathogenic
SCN2A	2	166231438	G	A	1406	D	N	0.961	Likely Pathogenic
SCN2A	2	166231438	G	C	1406	D	H	0.991	Likely Pathogenic
SCN2A	2	166231438	G	T	1406	D	Y	0.993	Likely Pathogenic
SCN2A	2	166231439	A	C	1406	D	A	0.979	Likely Pathogenic
SCN2A	2	166231439	A	G	1406	D	G	0.933	Likely Pathogenic
SCN2A	2	166231439	A	T	1406	D	V	0.992	Likely Pathogenic
SCN2A	2	166231440	T	A	1406	D	E	0.986	Likely Pathogenic
SCN2A	2	166231440	T	G	1406	D	E	0.985	Likely Pathogenic
SCN2A	2	166231441	A	C	1407	N	H	0.758	Likely Benign
SCN2A	2	166231441	A	G	1407	N	D	0.938	Likely Pathogenic
SCN2A	2	166231441	A	T	1407	N	Y	0.99	Likely Pathogenic
SCN2A	2	166231442	A	C	1407	N	T	0.88	Likely Pathogenic
SCN2A	2	166231442	A	G	1407	N	S	0.82	Likely Pathogenic
SCN2A	2	166231442	A	T	1407	N	I	0.991	Likely Pathogenic
SCN2A	2	166231443	C	A	1407	N	K	0.991	Likely Pathogenic
SCN2A	2	166231443	C	G	1407	N	K	0.991	Likely Pathogenic
SCN2A	2	166231444	G	A	1408	V	I	0.91	Likely Pathogenic
SCN2A	2	166231444	G	C	1408	V	L	0.935	Likely Pathogenic
SCN2A	2	166231444	G	T	1408	V	L	0.939	Likely Pathogenic
SCN2A	2	166231445	T	A	1408	V	E	0.992	Likely Pathogenic
SCN2A	2	166231445	T	C	1408	V	A	0.946	Likely Pathogenic
SCN2A	2	166231445	T	G	1408	V	G	0.993	Likely Pathogenic
SCN2A	2	166231447	G	A	1409	G	R	0.981	Likely Pathogenic
SCN2A	2	166231447	G	C	1409	G	R	0.98	Likely Pathogenic
SCN2A	2	166231448	G	A	1409	G	E	0.982	Likely Pathogenic
SCN2A	2	166231448	G	C	1409	G	A	0.392	Likely Benign
SCN2A	2	166231448	G	T	1409	G	V	0.948	Likely Pathogenic
SCN2A	2	166231450	C	A	1410	L	I	0.24	Likely Benign
SCN2A	2	166231450	G	A	1410	L	V	0.394	Likely Benign
SCN2A	2	166231450	C	T	1410	L	F	0.284	Likely Benign
SCN2A	2	166231451	T	A	1410	L	H	0.622	Likely Benign
SCN2A	2	166231451	T	C	1410	L	P	0.773	Likely Benign
SCN2A	2	166231451	T	G	1410	L	R	0.456	Likely Benign
SCN2A	2	166231453	G	A	1411	G	R	0.976	Likely Pathogenic
SCN2A	2	166231453	G	C	1411	G	R	0.975	Likely Pathogenic
SCN2A	2	166231454	G	A	1411	G	E	0.986	Likely Pathogenic
SCN2A	2	166231454	G	C	1411	G	A	0.249	Likely Benign
SCN2A	2	166231454	G	T	1411	G	V	0.975	Likely Pathogenic
SCN2A	2	166231456	T	A	1412	Y	N	0.989	Likely Pathogenic
SCN2A	2	166231456	T	C	1412	Y	H	0.989	Likely Pathogenic
SCN2A	2	166231456	T	G	1412	Y	D	0.988	Likely Pathogenic
SCN2A	2	166231457	A	C	1412	Y	S	0.962	Likely Pathogenic
SCN2A	2	166231457	A	G	1412	Y	C	0.979	Likely Pathogenic
SCN2A	2	166231457	A	T	1412	Y	F	0.723	Likely Benign
SCN2A	2	166231459	C	A	1413	L	M	0.946	Likely Pathogenic
SCN2A	2	166231459	C	G	1413	L	V	0.932	Likely Pathogenic
SCN2A	2	166231460	T	A	1413	L	Q	0.98	Likely Pathogenic
SCN2A	2	166231460	T	C	1413	L	P	0.983	Likely Pathogenic
SCN2A	2	166231460	T	G	1413	L	R	0.992	Likely Pathogenic
SCN2A	2	166231462	T	A	1414	S	T	0.532	Likely Benign
SCN2A	2	166231462	T	C	1414	S	P	0.934	Likely Pathogenic
SCN2A	2	166231462	T	G	1414	S	A	0.128	Likely Benign
SCN2A	2	166231463	C	A	1414	S	Y	0.931	Likely Pathogenic
SCN2A	2	166231463	C	G	1414	S	C	0.627	Likely Benign
SCN2A	2	166231463	C	T	1414	S	F	0.93	Likely Pathogenic
SCN2A	2	166231465	C	A	1415	L	I	0.944	Likely Pathogenic
SCN2A	2	166231465	C	G	1415	L	V	0.927	Likely Pathogenic
SCN2A	2	166231466	T	A	1415	L	Q	0.993	Likely Pathogenic
SCN2A	2	166231466	T	C	1415	L	P	0.991	Likely Pathogenic
SCN2A	2	166231466	T	G	1415	L	R	0.993	Likely Pathogenic
SCN2A	2	166231468	C	A	1416	L	V	0.966	Likely Pathogenic
SCN2A	2	166231468	C	G	1416	L	V	0.941	Likely Pathogenic
SCN2A	2	166231468	C	T	1416	L	F	0.461	Likely Benign
SCN2A	2	166231469	A	C	1416	L	H	0.991	Likely Pathogenic
SCN2A	2	166231469	T	C	1416	L	P	0.991	Likely Pathogenic
SCN2A	2	166231469	T	G	1416	L	R	0.987	Likely Pathogenic
SCN2A	2	166231471	T	A	1417	Q	K	0.986	Likely Pathogenic
SCN2A	2	166231471	C	G	1417	Q	E	0.912	Likely Pathogenic
SCN2A	2	166231472	A	C	1417	Q	P	0.985	Likely Pathogenic
SCN2A	2	166231472	A	G	1417	Q	R	0.947	Likely Pathogenic
SCN2A	2	166231472	A	T	1417	Q	L	0.963	Likely Pathogenic
SCN2A	2	166231473	A	C	1417	Q	H	0.984	Likely Pathogenic
SCN2A	2	166231473	A	T	1417	Q	H	0.984	Likely Pathogenic
SCN2A	2	166231474	G	A	1418	V	I	0.487	Likely Benign
SCN2A	2	166231474	G	C	1418	V	L	0.927	Likely Pathogenic
SCN2A	2	166231474	G	T	1418	V	L	0.928	Likely Pathogenic
SCN2A	2	166231475	T	A	1418	V	E	0.951	Likely Pathogenic
SCN2A	2	166231475	T	C	1418	V	A	0.963	Likely Pathogenic
SCN2A	2	166231475	T	G	1418	V	G	0.983	Likely Pathogenic
SCN2A	2	166231107	G	A	1419	A	T	0.869	Likely Pathogenic
SCN2A	2	166231107	G	C	1419	A	P	0.989	Likely Pathogenic
SCN2A	2	166231107	G	T	1419	A	S	0.828	Likely Pathogenic
SCN2A	2	166231108	C	A	1419	A	D	0.994	Likely Pathogenic
SCN2A	2	166231108	C	G	1419	A	G	0.983	Likely Pathogenic
SCN2A	2	166231108	C	T	1419	A	V	0.958	Likely Pathogenic
SCN2A	2	166231110	A	C	1420	T	P	0.995	Likely Pathogenic
SCN2A	2	166231110	A	G	1420	T	A	0.989	Likely Pathogenic
SCN2A	2	166231110	A	T	1420	T	S	0.899	Likely Pathogenic
SCN2A	2	166231111	C	A	1420	T	K	0.996	Likely Pathogenic
SCN2A	2	166231111	C	G	1420	T	R	0.991	Likely Pathogenic
SCN2A	2	166231111	C	T	1420	T	M	0.995	Likely Pathogenic
SCN2A	2	166231113	A	C	1421	F	I	0.92	Likely Pathogenic
SCN2A	2	166231113	T	C	1421	F	L	0.725	Likely Benign
SCN2A	2	166231113	T	G	1421	F	V	0.935	Likely Pathogenic
SCN2A	2	166231114	A	C	1421	F	Y	0.716	Likely Benign
SCN2A	2	166231114	T	C	1421	F	S	0.965	Likely Pathogenic
SCN2A	2	166231114	T	G	1421	F	C	0.964	Likely Pathogenic
SCN2A	2	166231115	T	A	1421	F	L	0.708	Likely Benign
SCN2A	2	166231115	T	G	1421	F	L	0.708	Likely Benign
SCN2A	2	166231116	A	C	1422	K	Q	0.961	Likely Pathogenic
SCN2A	2	166231116	A	G	1422	K	E	0.721	Likely Benign
SCN2A	2	166231116	A	T	1422	K	T	0.935	Likely Pathogenic
SCN2A	2	166231117	A	G	1422	K	R	0.969	Likely Pathogenic
SCN2A	2	166231117	A	T	1422	K	M	0.957	Likely Pathogenic
SCN2A	2	166231118	G	C	1422	K	N	0.928	Likely Pathogenic
SCN2A	2	166231118	G	T	1422	K	N	0.931	Likely Pathogenic
SCN2A	2	166231119	G	A	1423	G	R	0.999	Likely Pathogenic
SCN2A	2	166231119	G	C	1423	G	R	0.999	Likely Pathogenic
SCN2A	2	166231120	G	A	1423	G	E	0.999	Likely Pathogenic
SCN2A	2	166231120	G	C	1423	G	A	0.998	Likely Pathogenic
SCN2A	2	166231120	G	T	1423	G	V	0.999	Likely Pathogenic
SCN2A	2	166231122	T	A	1424	W	R	0.993	Likely Pathogenic
SCN2A	2	166231122	T	C	1424	W	R	0.993	Likely Pathogenic
SCN2A	2	166231122	T	G	1424	W	G	0.994	Likely Pathogenic
SCN2A	2	166231123	G	C	1424	W	S	0.992	Likely Pathogenic
SCN2A	2	166231123	G	T	1424	W	L	0.992	Likely Pathogenic
SCN2A	2	166231124	G	C	1424	W	C	0.995	Likely Pathogenic
SCN2A	2	166231124	G	T	1424	W	C	0.995	Likely Pathogenic
SCN2A	2	166231125	A	C	1425	M	L	0.655	Likely Benign
SCN2A	2	166231125	A	G	1425	M	V	0.732	Likely Benign
SCN2A	2	166231125	A	T	1425	M	L	0.662	Likely Benign
SCN2A	2	166231126	T	A	1425	M	K	0.964	Likely Pathogenic
SCN2A	2	166231126	T	C	1425	M	T	0.497	Likely Benign
SCN2A	2	166231126	T	G	1425	M	R	0.963	Likely Pathogenic
SCN2A	2	166231127	G	A	1425	M	I	0.442	Likely Benign
SCN2A	2	166231127	G	C	1425	M	I	0.446	Likely Benign
SCN2A	2	166231127	G	T	1425	M	I	0.448	Likely Benign
SCN2A	2	166231128	G	A	1426	D	N	0.726	Likely Benign
SCN2A	2	166231128	G	C	1426	D	H	0.988	Likely Pathogenic
SCN2A	2	166231128	G	T	1426	D	Y	0.965	Likely Pathogenic
SCN2A	2	166231129	A	C	1426	D	A	0.895	Likely Pathogenic
SCN2A	2	166231129	A	G	1426	D	G	0.873	Likely Pathogenic
SCN2A	2	166231129	A	T	1426	D	V	0.978	Likely Pathogenic
SCN2A	2	166231130	T	A	1426	D	E	0.44	Likely Benign
SCN2A	2	166231130	T	G	1426	D	E	0.44	Likely Benign
SCN2A	2	166231131	A	C	1427	I	L	0.926	Likely Pathogenic
SCN2A	2	166231131	A	G	1427	I	V	0.614	Likely Benign

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166856265	C	T	1436	D	N	0.952	Likely Pathoenic
SCN1A	2	166856264	T	A	1436	D	V	0.986	Likely Pathoenic
SCN1A	2	166856264	T	C	1436	D	G	0.961	Likely Pathoenic
SCN1A	2	166856264	T	G	1436	D	A	0.962	Likely Pathoenic
SCN1A	2	166856263	A	C	1436	D	E	0.557	Likely Benign
SCN1A	2	166856263	A	T	1436	D	E	0.555	Likely Benign
SCN1A	2	166856262	T	A	1437	I	L	0.971	Likely Pathoenic
SCN1A	2	166856262	T	C	1437	I	V	0.864	Likely Pathoenic
SCN1A	2	166856262	T	G	1437	I	L	0.970	Likely Pathoenic
SCN1A	2	166856261	A	C	1437	I	R	0.994	Likely Pathoenic
SCN1A	2	166856261	A	G	1437	I	T	0.984	Likely Pathoenic
SCN1A	2	166856261	A	T	1437	I	K	0.993	Likely Pathoenic
SCN1A	2	166856260	T	C	1437	I	M	0.983	Likely Pathoenic
SCN1A	2	166856259	T	A	1438	M	L	0.972	Likely Pathoenic
SCN1A	2	166856259	T	C	1438	M	V	0.982	Likely Pathoenic
SCN1A	2	166856259	T	G	1438	M	V	0.972	Likely Pathoenic
SCN1A	2	166856258	A	C	1438	M	R	0.991	Likely Pathoenic
SCN1A	2	166856258	A	G	1438	M	T	0.991	Likely Pathoenic
SCN1A	2	166856258	A	T	1438	M	K	0.996	Likely Pathoenic
SCN1A	2	166856257	C	A	1438	M	I	0.979	Likely Pathoenic
SCN1A	2	166856257	C	G	1438	M	I	0.979	Likely Pathoenic
SCN1A	2	166856257	C	T	1438	M	I	0.979	Likely Pathoenic
SCN1A	2	166856256	A	C	1439	Y	D	0.954	Likely Pathoenic
SCN1A	2	166856256	A	G	1439	Y	H	0.979	Likely Pathoenic
SCN1A	2	166856256	A	T	1439	Y	N	0.905	Likely Pathoenic
SCN1A	2	166856255	T	A	1439	Y	F	0.977	Likely Pathoenic
SCN1A	2	166856255	T	C	1439	Y	C	0.992	Likely Pathoenic
SCN1A	2	166856255	T	G	1439	Y	S	0.965	Likely Pathoenic
SCN1A	2	166856253	C	A	1440	A	S	0.915	Likely Pathoenic
SCN1A	2	166856253	C	G	1440	A	P	0.964	Likely Pathoenic
SCN1A	2	166856253	C	T	1440	A	T	0.962	Likely Pathoenic
SCN1A	2	166856252	G	A	1440	A	V	0.968	Likely Pathoenic
SCN1A	2	166856252	G	C	1440	A	G	0.960	Likely Pathoenic
SCN1A	2	166856252	G	T	1440	A	E	0.969	Likely Pathoenic
SCN1A	2	166856250	C	A	1441	A	S	0.943	Likely Pathoenic
SCN1A	2	166856250	C	G	1441	A	P	0.991	Likely Pathoenic
SCN1A	2	166856250	C	T	1441	A	T	0.944	Likely Pathoenic
SCN1A	2	166856249	G	A	1441	A	V	0.960	Likely Pathoenic
SCN1A	2	166856249	G	C	1441	A	G	0.958	Likely Pathoenic
SCN1A	2	166856249	G	T	1441	A	E	0.993	Likely Pathoenic
SCN1A	2	166856247	C	A	1442	V	F	0.979	Likely Pathoenic
SCN1A	2	166856247	C	G	1442	V	L	0.749	Likely Benign
SCN1A	2	166856247	C	T	1442	V	I	0.293	Likely Benign
SCN1A	2	166856246	A	C	1442	V	G	0.990	Likely Pathoenic
SCN1A	2	166856246	A	G	1442	V	A	0.984	Likely Pathoenic
SCN1A	2	166856246	A	T	1442	V	D	0.990	Likely Pathoenic
SCN1A	2	166856244	A	C	1443	D	Y	0.991	Likely Pathoenic
SCN1A	2	166856244	C	G	1443	D	H	0.993	Likely Pathoenic
SCN1A	2	166856244	C	T	1443	D	N	0.978	Likely Pathoenic
SCN1A	2	166856243	A	C	1443	D	V	0.991	Likely Pathoenic
SCN1A	2	166856243	T	C	1443	D	G	0.991	Likely Pathoenic
SCN1A	2	166856243	T	G	1443	D	A	0.981	Likely Pathoenic
SCN1A	2	166856242	A	C	1443	D	E	0.987	Likely Pathoenic
SCN1A	2	166856242	A	T	1443	D	E	0.987	Likely Pathoenic
SCN1A	2	166856241	A	C	1444	S	A	0.876	Likely Pathoenic
SCN1A	2	166856241	A	G	1444	S	P	0.988	Likely Pathoenic
SCN1A	2	166856241	A	T	1444	S	T	0.928	Likely Pathoenic
SCN1A	2	166856240	G	A	1444	S	F	0.991	Likely Pathoenic
SCN1A	2	166856240	G	C	1444	S	C	0.980	Likely Pathoenic
SCN1A	2	166856240	G	T	1444	S	Y	0.991	Likely Pathoenic
SCN1A	2	166856238	T	C	1445	R	G	0.944	Likely Pathoenic
SCN1A	2	166856237	C	A	1445	R	I	0.902	Likely Pathoenic
SCN1A	2	166856237	C	G	1445	R	T	0.585	Likely Benign
SCN1A	2	166856237	C	T	1445	R	K	0.771	Likely Benign
SCN1A	2	166856236	T	A	1445	R	S	0.953	Likely Pathoenic
SCN1A	2	166856236	T	G	1445	R	S	0.952	Likely Pathoenic
SCN1A	2	166856235	T	A	1446	N	Y	0.683	Likely Benign
SCN1A	2	166856235	T	C	1446	N	D	0.153	Likely Benign
SCN1A	2	166856235	T	G	1446	N	H	0.669	Likely Benign
SCN1A	2	166856234	T	A	1446	N	I	0.817	Likely Pathoenic
SCN1A	2	166856234	T	C	1446	N	S	0.209	Likely Benign
SCN1A	2	166856234	T	G	1446	N	T	0.364	Likely Benign
SCN1A	2	166856233	A	C	1446	N	K	0.231	Likely Benign
SCN1A	2	166856233	A	T	1446	N	K	0.231	Likely Benign
SCN1A	2	166856484	A	C	1447	V	G	0.932	Likely Pathoenic
SCN1A	2	166856484	A	G	1447	V	A	0.755	Likely Benign
SCN1A	2	166856484	A	T	1447	V	E	0.609	Likely Benign
SCN1A	2	166856482	C	G	1448	E	Q	0.749	Likely Benign
SCN1A	2	166856482	C	T	1448	E	K	0.472	Likely Benign
SCN1A	2	166856481	T	A	1448	E	V	0.903	Likely Pathoenic
SCN1A	2	166856481	T	C	1448	E	G	0.299	Likely Benign
SCN1A	2	166856481	T	G	1448	E	A	0.613	Likely Benign
SCN1A	2	166856480	T	A	1448	E	D	0.139	Likely Benign
SCN1A	2	166856480	T	G	1448	E	D	0.138	Likely Benign
SCN1A	2	166856479	G	A	1449	L	F	0.524	Likely Benign
SCN1A	2	166856479	G	C	1449	L	V	0.331	Likely Benign
SCN1A	2	166856479	G	T	1449	L	I	0.345	Likely Benign
SCN1A	2	166856478	A	C	1449	L	R	0.348	Likely Benign
SCN1A	2	166856478	A	G	1449	L	P	0.612	Likely Benign
SCN1A	2	166856478	A	T	1449	L	H	0.564	Likely Benign
SCN1A	2	166856676	C	A	1450	Q	E	0.977	Likely Pathoenic
SCN1A	2	166856676	G	T	1450	Q	K	0.978	Likely Pathoenic
SCN1A	2	166856675	T	A	1450	Q	L	0.987	Likely Pathoenic
SCN1A	2	166856675	T	C	1450	Q	R	0.968	Likely Pathoenic
SCN1A	2	166856675	T	G	1450	Q	P	0.978	Likely Pathoenic
SCN1A	2	166856674	C	A	1450	Q	H	0.958	Likely Pathoenic
SCN1A	2	166856674	C	G	1450	Q	H	0.960	Likely Pathoenic
SCN1A	2	166856673	G	A	1451	P	S	0.990	Likely Pathoenic
SCN1A	2	166856673	G	C	1451	P	A	0.987	Likely Pathoenic
SCN1A	2	166856673	G	T	1451	P	T	0.993	Likely Pathoenic
SCN1A	2	166856672	G	A	1451	P	L	0.991	Likely Pathoenic
SCN1A	2	166856672	G	C	1451	P	R	0.995	Likely Pathoenic
SCN1A	2	166856672	G	T	1451	P	H	0.996	Likely Pathoenic
SCN1A	2	166856670	T	C	1452	K	E	0.192	Likely Benign
SCN1A	2	166856670	T	G	1452	K	Q	0.230	Likely Benign
SCN1A	2	166856669	T	A	1452	K	M	0.613	Likely Benign
SCN1A	2	166856669	T	C	1452	K	R	0.236	Likely Benign
SCN1A	2	166856669	T	G	1452	K	T	0.361	Likely Benign
SCN1A	2	166856668	C	A	1452	K	N	0.344	Likely Benign
SCN1A	2	166856668	C	G	1452	K	N	0.342	Likely Benign
SCN1A	2	166856667	A	C	1453	Y	D	0.966	Likely Pathoenic
SCN1A	2	166856667	A	G	1453	Y	H	0.935	Likely Pathoenic
SCN1A	2	166856667	A	T	1453	Y	N	0.965	Likely Pathoenic
SCN1A	2	166856666	T	A	1453	Y	F	0.726	Likely Benign
SCN1A	2	166856666	T	C	1453	Y	C	0.975	Likely Pathoenic
SCN1A	2	166856666	T	G	1453	Y	S	0.950	Likely Pathoenic
SCN1A	2	166856664	G	A	1454	E	Q	0.986	Likely Pathoenic
SCN1A	2	166856664	C	T	1454	E	K	0.988	Likely Pathoenic
SCN1A	2	166856663	T	A	1454	E	V	0.990	Likely Pathoenic
SCN1A	2	166856663	T	C	1454	E	G	0.978	Likely Pathoenic
SCN1A	2	166856663	T	G	1454	E	A	0.976	Likely Pathoenic
SCN1A	2	166856662	T	A	1454	E	D	0.971	Likely Pathoenic
SCN1A	2	166856662	T	G	1454	E	D	0.971	Likely Pathoenic
SCN1A	2	166856661	C	G	1455	E	Q	0.587	Likely Benign
SCN1A	2	166856661	C	T	1455	E	K	0.592	Likely Benign
SCN1A	2	166856660	T	A	1455	E	V	0.344	Likely Benign
SCN1A	2	166856660	T	C	1455	E	G	0.458	Likely Benign
SCN1A	2	166856660	T	G	1455	E	A	0.284	Likely Benign
SCN1A	2	166856659	T	A	1455	E	D	0.344	Likely Benign
SCN1A	2	166856659	T	G	1455	E	D	0.329	Likely Benign
SCN1A	2	166856658	T	A	1456	S	C	0.984	Likely Pathoenic
SCN1A	2	166856658	T	C	1456	S	G	0.841	Likely Pathoenic
SCN1A	2	166856658	T	G	1456	S	R	0.820	Likely Pathoenic
SCN1A	2	166856657	C	A	1456	S	I	0.960	Likely Pathoenic
SCN1A	2	166856657	C	G	1456	S	T	0.792	Likely Pathoenic
SCN1A	2	166856657	C	T	1456	S	N	0.172	Likely Benign
SCN1A	2	166856656	A	C	1456	S	R	0.773	Likely Benign
SCN1A	2	166856656	A	T	1456	S	R	0.772	Likely Benign
SCN1A	2	166856655	G	C	1457	L	V	0.694	Likely Benign
SCN1A	2	166856655	G	T	1457	L	M	0.912	Likely Pathoenic
SCN1A	2	166856654	A	C	1457	L	R	0.966	Likely Pathoenic
SCN1A	2	166856654	A	G	1457	L	P	0.908	Likely Pathoenic
SCN1A	2	166856654	A	T	1457	L	Q	0.959	Likely Pathoenic
SCN1A	2	166856652	A	C	1458	Y	D	0.983	Likely Pathoenic
SCN1A	2	166856652	A	G	1458	Y	H	0.967	Likely Pathoenic
SCN1A	2	166856652	A	T	1458	Y	N	0.975	Likely Pathoenic
SCN1A	2	166856651	T	A	1458	Y	F	0.690	Likely Benign
SCN1A	2	166856651	T	C	1458	Y	C	0.989	Likely Pathoenic
SCN1A	2	166856651	T	G	1458	Y	S	0.969	Likely Pathoenic
SCN1A	2	166856649	T	A	1459	M	L	0.949	Likely Pathoenic
SCN1A	2	166856649	T	C	1459	M	V	0.961	Likely Pathoenic
SCN1A	2	166856649	T	G	1459	M	L	0.951	Likely Pathoenic
SCN1A	2	166856648	A	C	1459	M	R	0.973	Likely Pathoenic
SCN1A	2	166856648	A	G	1459	M	T	0.978	Likely Pathoenic
SCN1A	2	166856648	A	T	1459	M	K	0.988	Likely Pathoenic
SCN1A	2	166856647	C	A	1459	M	I	0.972	Likely Pathoenic
SCN1A	2	166856647	C	G	1459	M	I	0.971	Likely Pathoenic
SCN1A	2	166856647	C	T	1459	M	I	0.972	Likely Pathoenic
SCN1A	2	166856646	A	C	1460	Y	D	0.993	Likely Pathoenic
SCN1A	2	166856646	A	G	1460	Y	H	0.993	Likely Pathoenic
SCN1A	2	166856646	A	T	1460	Y	N	0.995	Likely Pathoenic
SCN1A	2	166856645	T	A	1460	Y	F	0.976	Likely Pathoenic
SCN1A	2	166856645	T	C	1460	Y	C	0.986	Likely Pathoenic
SCN1A	2	166856645	T	G	1460	Y	S	0.979	Likely Pathoenic
SCN1A	2	166856643	G	A	1461	L	F	0.955	Likely Pathoenic
SCN1A	2	166856643	G	C	1461	L	V	0.921	Likely Pathoenic
SCN1A	2	166856643	G	T	1461	L	I	0.434	Likely Benign
SCN1A	2	166856642	A	C	1461	L	R	0.994	Likely Pathoenic
SCN1A	2	166856642	A	G	1461	L	P	0.984	Likely Pathoenic
SCN1A	2	166856642	A	T	1461	L	H	0.994	Likely Pathoenic
SCN1A	2	166856640	A	C	1462	Y	D	0.996	Likely Pathoenic
SCN1A	2	166856640	A	G	1462	Y	H	0.994	Likely Pathoenic
SCN1A	2	166856640	A	T	1462	Y	N	0.996	Likely Pathoenic
SCN1A	2	166856639	T	A	1462	Y	F	0.949	Likely Pathoenic
SCN1A	2	166856639	T	C	1462	Y	C	0.996	Likely Pathoenic
SCN1A	2	166856639	T	G	1462	Y	S	0.996	Likely Pathoenic
SCN1A	2	166856637	A	C	1463	F	V	0.995	Likely Pathoenic
SCN1A	2	166856637	A	G	1463	F	L	0.993	Likely Pathoenic
SCN1A	2	166856637	A	T	1463	F	I	0.992	Likely Pathoenic
SCN1A	2	166856636	A	C	1463	F	C	0.996	Likely Pathoenic
SCN1A	2	166856636	A	G	1463	F	S	0.997	Likely Pathoenic
SCN1A	2	166856636	A	T	1463	F	Y	0.985	Likely Pathoenic
SCN1A	2	166856635	A	C	1463	F	L	0.993	Likely Pathoenic
SCN1A	2	166856635	A	T	1463	F	L	0.993	Likely Pathoenic
SCN1A	2	166856634	C	A	1464	V	F	0.987	Likely Pathoenic
SCN1A	2	166856634	C	G	1464	V	L	0.982	Likely Pathoenic
SCN1A	2	166856634	C	T	1464	V	I	0.964	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166234147	T	A	1432	V	D	0.975	Likely Pathogenic
SCN2A	2	166234147	T	C	1432	V	A	0.924	Likely Pathogenic
SCN2A	2	166234147	T	G	1432	V	G	0.978	Likely Pathogenic
SCN2A	2	166234149	G	A	1433	D	N	0.85	Likely Pathogenic
SCN2A	2	166234149	G	C	1433	D	H	0.962	Likely Pathogenic
SCN2A	2	166234149	G	T	1433	D	Y	0.952	Likely Pathogenic
SCN2A	2	166234150	A	C	1433	D	A	0.952	Likely Pathogenic
SCN2A	2	166234150	A	G	1433	D	G	0.967	Likely Pathogenic
SCN2A	2	166234150	A	T	1433	D	V	0.978	Likely Pathogenic
SCN2A	2	166234151	T	A	1433	D	E	0.975	Likely Pathogenic
SCN2A	2	166234151	T	G	1433	D	E	0.974	Likely Pathogenic
SCN2A	2	166234152	T	A	1434	S	T	0.89	Likely Pathogenic
SCN2A	2	166234152	T	C	1434	S	P	0.989	Likely Pathogenic
SCN2A	2	166234152	T	G	1434	S	A	0.673	Likely Benign
SCN2A	2	166234153	C	T	1434	S	L	0.960	Likely Pathogenic
SCN2A	2	166234155	C	G	1435	R	G	0.885	Likely Pathogenic
SCN2A	2	166234156	G	A	1435	R	Q	0.668	Likely Benign
SCN2A	2	166234156	G	C	1435	R	P	0.653	Likely Benign
SCN2A	2	166234156	G	T	1435	R	L	0.691	Likely Benign
SCN2A	2	166234158	A	C	1436	N	H	0.244	Likely Benign
SCN2A	2	166234158	A	G	1436	N	D	0.074	Likely Benign
SCN2A	2	166234158	A	T	1436	N	Y	0.264	Likely Benign
SCN2A	2	166234159	A	C	1436	N	T	0.182	Likely Benign
SCN2A	2	166234159	A	G	1436	N	S	0.132	Likely Benign
SCN2A	2	166234159	A	T	1436	N	I	0.369	Likely Benign
SCN2A	2	166237102	G	A	1437	V	I	0.217	Likely Benign
SCN2A	2	166237102	G	C	1437	V	L	0.509	Likely Benign
SCN2A	2	166237102	G	T	1437	V	L	0.509	Likely Benign
SCN2A	2	166237103	T	A	1437	V	E	0.37	Likely Benign
SCN2A	2	166237103	T	C	1437	V	A	0.487	Likely Benign
SCN2A	2	166237103	T	G	1437	V	G	0.868	Likely Pathogenic
SCN2A	2	166237105	G	A	1438	E	K	0.333	Likely Benign
SCN2A	2	166237105	G	C	1438	E	Q	0.61	Likely Benign
SCN2A	2	166237106	A	C	1438	E	A	0.515	Likely Benign
SCN2A	2	166237106	A	G	1438	E	G	0.198	Likely Benign
SCN2A	2	166237106	A	T	1438	E	V	0.831	Likely Pathogenic
SCN2A	2	166237107	A	C	1438	E	D	0.121	Likely Benign
SCN2A	2	166237107	A	T	1438	E	D	0.125	Likely Benign
SCN2A	2	166237108	T	A	1439	L	I	0.244	Likely Benign
SCN2A	2	166237108	T	G	1439	L	V	0.183	Likely Benign
SCN2A	2	166237109	T	C	1439	L	S	0.198	Likely Benign
SCN2A	2	166237110	A	C	1439	L	F	0.391	Likely Benign
SCN2A	2	166237110	A	T	1439	L	F	0.394	Likely Benign
SCN2A	2	166237111	C	A	1440	Q	K	0.973	Likely Pathogenic
SCN2A	2	166237111	C	G	1440	Q	E	0.968	Likely Pathogenic
SCN2A	2	166237112	A	C	1440	Q	P	0.957	Likely Pathogenic
SCN2A	2	166237112	A	G	1440	Q	R	0.921	Likely Pathogenic
SCN2A	2	166237112	A	T	1440	Q	L	0.983	Likely Pathogenic
SCN2A	2	166237113	A	C	1440	Q	H	0.961	Likely Pathogenic
SCN2A	2	166237113	A	T	1440	Q	H	0.962	Likely Pathogenic
SCN2A	2	166237114	C	A	1441	P	T	0.991	Likely Pathogenic
SCN2A	2	166237114	C	G	1441	P	A	0.984	Likely Pathogenic
SCN2A	2	166237114	C	T	1441	P	S	0.988	Likely Pathogenic
SCN2A	2	166237115	C	A	1441	P	H	0.995	Likely Pathogenic
SCN2A	2	166237115	C	G	1441	P	R	0.994	Likely Pathogenic
SCN2A	2	166237115	C	T	1441	P	L	0.988	Likely Pathogenic
SCN2A	2	166237117	A	C	1442	K	Q	0.111	Likely Benign
SCN2A	2	166237117	A	G	1442	K	E	0.101	Likely Benign
SCN2A	2	166237117	A	T	1442	K	T	0.233	Likely Benign
SCN2A	2	166237118	A	G	1442	K	R	0.162	Likely Benign
SCN2A	2	166237118	A	T	1442	K	M	0.261	Likely Benign
SCN2A	2	166237119	G	C	1442	K	N	0.178	Likely Benign
SCN2A	2	166237119	G	T	1442	K	N	0.187	Likely Benign
SCN2A	2	166237120	T	A	1443	Y	N	0.971	Likely Pathogenic
SCN2A	2	166237120	T	C	1443	Y	H	0.812	Likely Pathogenic
SCN2A	2	166237120	T	G	1443	Y	D	0.943	Likely Pathogenic
SCN2A	2	166237121	A	C	1443	Y	S	0.943	Likely Pathogenic
SCN2A	2	166237121	A	G	1443	Y	C	0.962	Likely Pathogenic
SCN2A	2	166237121	A	T	1443	Y	F	0.742	Likely Benign
SCN2A	2	166237123	G	A	1444	E	K	0.983	Likely Pathogenic
SCN2A	2	166237123	G	C	1444	E	Q	0.983	Likely Pathogenic
SCN2A	2	166237124	G	A	1444	E	A	0.965	Likely Pathogenic
SCN2A	2	166237124	G	C	1444	E	G	0.978	Likely Pathogenic
SCN2A	2	166237124	A	T	1444	E	V	0.99	Likely Pathogenic
SCN2A	2	166237125	A	C	1444	E	D	0.951	Likely Pathogenic
SCN2A	2	166237125	A	T	1444	E	D	0.952	Likely Pathogenic
SCN2A	2	166237126	G	A	1445	D	N	0.072	Likely Benign
SCN2A	2	166237126	G	C	1445	D	H	0.222	Likely Benign
SCN2A	2	166237126	G	T	1445	D	Y	0.107	Likely Benign
SCN2A	2	166237127	A	C	1445	D	A	0.081	Likely Benign
SCN2A	2	166237127	A	G	1445	D	G	0.189	Likely Benign
SCN2A	2	166237127	A	T	1445	D	V	0.075	Likely Benign
SCN2A	2	166237128	C	A	1445	D	V	0.118	Likely Benign
SCN2A	2	166237128	C	G	1445	D	E	0.115	Likely Benign
SCN2A	2	166237129	A	C	1446	N	H	0.967	Likely Pathogenic
SCN2A	2	166237129	A	G	1446	N	D	0.978	Likely Pathogenic
SCN2A	2	166237129	A	T	1446	N	Y	0.968	Likely Pathogenic
SCN2A	2	166237130	A	C	1446	N	T	0.968	Likely Pathogenic
SCN2A	2	166237130	A	G	1446	N	S	0.528	Likely Benign
SCN2A	2	166237130	A	T	1446	N	I	0.992	Likely Pathogenic
SCN2A	2	166237131	C	A	1446	N	K	0.97	Likely Pathogenic
SCN2A	2	166237131	C	G	1446	N	K	0.968	Likely Pathogenic
SCN2A	2	166237132	C	A	1447	L	M	0.714	Likely Benign
SCN2A	2	166237132	C	G	1447	L	L	0.361	Likely Benign
SCN2A	2	166237133	T	A	1447	L	Q	0.821	Likely Benign
SCN2A	2	166237133	T	C	1447	L	P	0.737	Likely Benign
SCN2A	2	166237133	T	G	1447	L	R	0.839	Likely Pathogenic
SCN2A	2	166237135	A	A	1448	Y	N	0.958	Likely Pathogenic
SCN2A	2	166237135	T	C	1448	Y	H	0.954	Likely Pathogenic
SCN2A	2	166237135	T	G	1448	Y	D	0.96	Likely Pathogenic
SCN2A	2	166237136	A	C	1448	Y	S	0.861	Likely Pathogenic
SCN2A	2	166237136	A	G	1448	Y	C	0.983	Likely Pathogenic
SCN2A	2	166237136	A	T	1448	Y	F	0.502	Likely Benign
SCN2A	2	166237138	A	C	1449	M	L	0.929	Likely Pathogenic
SCN2A	2	166237138	A	G	1449	M	V	0.897	Likely Pathogenic
SCN2A	2	166237138	A	T	1449	M	L	0.927	Likely Pathogenic
SCN2A	2	166237139	T	A	1449	M	K	0.983	Likely Pathogenic
SCN2A	2	166237139	T	C	1449	M	T	0.962	Likely Pathogenic
SCN2A	2	166237139	T	G	1449	M	R	0.967	Likely Pathogenic
SCN2A	2	166237140	G	A	1449	M	I	0.954	Likely Pathogenic
SCN2A	2	166237140	G	C	1449	M	I	0.953	Likely Pathogenic
SCN2A	2	166237140	G	T	1449	M	I	0.954	Likely Pathogenic
SCN2A	2	166237141	T	A	1450	Y	N	0.994	Likely Pathogenic
SCN2A	2	166237141	T	C	1450	Y	H	0.992	Likely Pathogenic
SCN2A	2	166237141	T	G	1450	Y	D	0.993	Likely Pathogenic
SCN2A	2	166237142	A	C	1450	Y	S	0.975	Likely Pathogenic
SCN2A	2	166237142	A	G	1450	Y	C	0.982	Likely Pathogenic
SCN2A	2	166237142	A	T	1450	Y	F	0.959	Likely Pathogenic
SCN2A	2	166237144	C	A	1451	L	I	0.267	Likely Benign
SCN2A	2	166237144	C	G	1451	L	V	0.705	Likely Benign
SCN2A	2	166237144	C	T	1451	L	F	0.569	Likely Benign
SCN2A	2	166237145	T	A	1451	L	H	0.991	Likely Pathogenic
SCN2A	2	166237145	T	C	1451	L	P	0.973	Likely Pathogenic
SCN2A	2	166237145	T	G	1451	L	R	0.992	Likely Pathogenic
SCN2A	2	166237147	T	A	1452	Y	N	0.996	Likely Pathogenic
SCN2A	2	166237147	T	C	1452	Y	H	0.994	Likely Pathogenic
SCN2A	2	166237147	T	G	1452	Y	D	0.996	Likely Pathogenic
SCN2A	2	166237148	A	C	1452	Y	S	0.995	Likely Pathogenic
SCN2A	2	166237148	A	G	1452	Y	C	0.996	Likely Pathogenic
SCN2A	2	166237148	A	T	1452	Y	F	0.752	Likely Benign
SCN2A	2	166237150	T	A	1453	F	I	0.992	Likely Pathogenic
SCN2A	2	166237150	T	C	1453	F	L	0.992	Likely Pathogenic
SCN2A	2	166237150	T	G	1453	F	V	0.995	Likely Pathogenic
SCN2A	2	166237151	T	A	1453	F	Y	0.971	Likely Pathogenic
SCN2A	2	166237151	T	C	1453	F	S	0.996	Likely Pathogenic
SCN2A	2	166237151	T	G	1453	F	C	0.996	Likely Pathogenic
SCN2A	2	166237152	T	A	1453	F	L	0.991	Likely Pathogenic
SCN2A	2	166237152	T	G	1453	F	L	0.991	Likely Pathogenic
SCN2A	2	166237153	G	A	1454	V	I	0.957	Likely Pathogenic
SCN2A	2	166237153	G	C	1454	V	L	0.976	Likely Pathogenic
SCN2A	2	166237153	G	T	1454	V	F	0.99	Likely Pathogenic
SCN2A	2	166237154	A	C	1454	V	D	0.996	Likely Pathogenic
SCN2A	2	166237154	T	C	1454	V	A	0.99	Likely Pathogenic
SCN2A	2	166237154	T	G	1454	V	G	0.993	Likely Pathogenic
SCN2A	2	166237156	A	C	1455	I	L	0.456	Likely Benign
SCN2A	2	166237156	A	G	1455	I	V	0.264	Likely Benign
SCN2A	2	166237156	A	T	1455	I	F	0.703	Likely Benign
SCN2A	2	166237157	T	A	1455	I	N	0.97	Likely Pathogenic
SCN2A	2	166237157	T	C	1455	I	T	0.772	Likely Benign
SCN2A	2	166237157	T	G	1455	I	S	0.693	Likely Benign
SCN2A	2	166237158	C	G	1455	I	M	0.92	Likely Pathogenic
SCN2A	2	166237159	A	C	1456	F	I	0.993	Likely Pathogenic
SCN2A	2	166237159	T	C	1456	F	L	0.95	Likely Pathogenic
SCN2A	2	166237159	T	G	1456	F	V	0.981	Likely Pathogenic
SCN2A

GENE	CHR	DNA_LOC	REF_N T	ALT_N NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166854633	A	C	1464	V	G	0.993	Likely Pathogenic
SCN1A	2	166854633	A	G	1464	V	A	0.991	Likely Pathogenic
SCN1A	2	166854633	A	T	1464	V	D	0.997	Likely Pathogenic
SCN1A	2	166854631	T	A	1465	I	F	0.889	Likely Pathogenic
SCN1A	2	166854631	T	C	1465	I	V	0.323	Likely Benign
SCN1A	2	166854631	T	G	1465	I	L	0.635	Likely Benign
SCN1A	2	166854630	A	C	1465	I	S	0.871	Likely Pathogenic
SCN1A	2	166854630	A	G	1465	I	T	0.903	Likely Pathogenic
SCN1A	2	166854630	A	T	1465	I	N	0.972	Likely Pathogenic
SCN1A	2	166854629	A	C	1465	I	M	0.976	Likely Pathogenic
SCN1A	2	166854628	A	C	1466	F	V	0.986	Likely Pathogenic
SCN1A	2	166854628	A	G	1466	F	L	0.976	Likely Pathogenic
SCN1A	2	166854628	A	T	1466	F	I	0.994	Likely Pathogenic
SCN1A	2	166854627	A	C	1466	F	C	0.995	Likely Pathogenic
SCN1A	2	166854627	A	G	1466	F	S	0.996	Likely Pathogenic
SCN1A	2	166854627	A	T	1466	F	Y	0.973	Likely Pathogenic
SCN1A	2	166854626	G	C	1466	F	L	0.974	Likely Pathogenic
SCN1A	2	166854626	G	T	1466	F	L	0.974	Likely Pathogenic
SCN1A	2	166854625	T	A	1467	I	F	0.985	Likely Pathogenic
SCN1A	2	166854625	T	C	1467	I	V	0.968	Likely Pathogenic
SCN1A	2	166854625	T	G	1467	I	L	0.984	Likely Pathogenic
SCN1A	2	166854624	A	C	1467	I	S	0.995	Likely Pathogenic
SCN1A	2	166854624	A	G	1467	I	T	0.992	Likely Pathogenic
SCN1A	2	166854624	A	T	1467	I	N	0.993	Likely Pathogenic
SCN1A	2	166854623	G	C	1467	I	M	0.989	Likely Pathogenic
SCN1A	2	166854622	T	A	1468	I	F	0.973	Likely Pathogenic
SCN1A	2	166854622	T	C	1468	I	V	0.859	Likely Pathogenic
SCN1A	2	166854622	T	G	1468	I	L	0.949	Likely Pathogenic
SCN1A	2	166854621	A	C	1468	I	S	0.992	Likely Pathogenic
SCN1A	2	166854621	A	G	1468	I	T	0.988	Likely Pathogenic
SCN1A	2	166854621	A	T	1468	I	N	0.993	Likely Pathogenic
SCN1A	2	166854620	G	C	1468	I	M	0.986	Likely Pathogenic
SCN1A	2	166854619	A	C	1469	F	V	0.960	Likely Pathogenic
SCN1A	2	166854619	A	G	1469	F	L	0.748	Likely Benign
SCN1A	2	166854619	A	T	1469	F	I	0.880	Likely Pathogenic
SCN1A	2	166854618	A	C	1469	F	C	0.978	Likely Pathogenic
SCN1A	2	166854618	A	G	1469	F	S	0.985	Likely Pathogenic
SCN1A	2	166854618	A	T	1469	F	Y	0.992	Likely Pathogenic
SCN1A	2	166854617	A	C	1469	F	L	0.773	Likely Benign
SCN1A	2	166854617	A	T	1469	F	L	0.776	Likely Benign
SCN1A	2	166854616	C	A	1470	G	W	0.996	Likely Pathogenic
SCN1A	2	166854616	C	G	1470	G	R	0.995	Likely Pathogenic
SCN1A	2	166854616	C	T	1470	G	R	0.995	Likely Pathogenic
SCN1A	2	166854615	A	C	1470	G	V	0.986	Likely Pathogenic
SCN1A	2	166854615	C	G	1470	G	A	0.986	Likely Pathogenic
SCN1A	2	166854615	C	T	1470	G	E	0.995	Likely Pathogenic
SCN1A	2	166854613	A	C	1471	S	A	0.596	Likely Benign
SCN1A	2	166854613	A	G	1471	S	P	0.969	Likely Pathogenic
SCN1A	2	166854613	A	T	1471	S	T	0.863	Likely Pathogenic
SCN1A	2	166854612	G	A	1471	S	F	0.984	Likely Pathogenic
SCN1A	2	166854612	G	C	1471	S	C	0.977	Likely Pathogenic
SCN1A	2	166854612	G	T	1471	S	Y	0.986	Likely Pathogenic
SCN1A	2	166854610	A	C	1472	F	V	0.993	Likely Pathogenic
SCN1A	2	166854610	A	G	1472	F	L	0.990	Likely Pathogenic
SCN1A	2	166854610	A	T	1472	F	I	0.992	Likely Pathogenic
SCN1A	2	166854609	C	A	1472	F	C	0.996	Likely Pathogenic
SCN1A	2	166854609	A	G	1472	F	S	0.995	Likely Pathogenic
SCN1A	2	166854609	A	T	1472	F	Y	0.989	Likely Pathogenic
SCN1A	2	166854608	G	C	1472	F	L	0.990	Likely Pathogenic
SCN1A	2	166854608	G	T	1472	F	L	0.990	Likely Pathogenic
SCN1A	2	166854607	A	C	1473	F	V	0.982	Likely Pathogenic
SCN1A	2	166854607	A	G	1473	F	L	0.982	Likely Pathogenic
SCN1A	2	166854607	A	T	1473	F	I	0.979	Likely Pathogenic
SCN1A	2	166854606	A	C	1473	F	C	0.996	Likely Pathogenic
SCN1A	2	166854606	A	G	1473	F	S	0.993	Likely Pathogenic
SCN1A	2	166854606	A	T	1473	F	Y	0.983	Likely Pathogenic
SCN1A	2	166854605	G	C	1473	F	L	0.976	Likely Pathogenic
SCN1A	2	166854605	G	T	1473	F	L	0.976	Likely Pathogenic
SCN1A	2	166854604	T	A	1474	F	S	0.982	Likely Pathogenic
SCN1A	2	166854604	T	C	1474	T	A	0.983	Likely Pathogenic
SCN1A	2	166854604	T	G	1474	T	P	0.989	Likely Pathogenic
SCN1A	2	166854603	G	A	1474	T	I	0.966	Likely Pathogenic
SCN1A	2	166854603	G	C	1474	T	S	0.981	Likely Pathogenic
SCN1A	2	166854603	G	T	1474	T	N	0.993	Likely Pathogenic
SCN1A	2	166854601	A	C	1475	L	V	0.976	Likely Pathogenic
SCN1A	2	166854601	A	T	1475	L	M	0.977	Likely Pathogenic
SCN1A	2	166854600	A	C	1475	L	W	0.997	Likely Pathogenic
SCN1A	2	166854600	A	G	1475	L	S	0.995	Likely Pathogenic
SCN1A	2	166854599	C	A	1475	L	F	0.990	Likely Pathogenic
SCN1A	2	166854599	C	G	1475	L	F	0.990	Likely Pathogenic
SCN1A	2	166854598	T	A	1476	N	Y	0.997	Likely Pathogenic
SCN1A	2	166854598	T	C	1476	N	D	0.997	Likely Pathogenic
SCN1A	2	166854598	T	G	1476	N	H	0.998	Likely Pathogenic
SCN1A	2	166854597	T	A	1476	N	I	0.998	Likely Pathogenic
SCN1A	2	166854597	T	C	1476	N	S	0.994	Likely Pathogenic
SCN1A	2	166854597	T	G	1476	N	T	0.994	Likely Pathogenic
SCN1A	2	166854596	G	C	1476	N	K	0.997	Likely Pathogenic
SCN1A	2	166854596	G	T	1476	N	K	0.997	Likely Pathogenic
SCN1A	2	166854595	G	C	1477	L	V	0.992	Likely Pathogenic
SCN1A	2	166854595	G	T	1477	L	M	0.987	Likely Pathogenic
SCN1A	2	166854594	A	C	1477	L	R	0.998	Likely Pathogenic
SCN1A	2	166854594	A	G	1477	L	P	0.998	Likely Pathogenic
SCN1A	2	166854594	A	T	1477	L	Q	0.998	Likely Pathogenic
SCN1A	2	166854593	A	C	1478	F	V	0.982	Likely Pathogenic
SCN1A	2	166854592	A	G	1478	F	L	0.977	Likely Pathogenic
SCN1A	2	166854592	A	T	1478	F	I	0.978	Likely Pathogenic
SCN1A	2	166854591	A	C	1478	F	C	0.988	Likely Pathogenic
SCN1A	2	166854591	A	G	1478	F	S	0.996	Likely Pathogenic
SCN1A	2	166854591	A	T	1478	F	Y	0.992	Likely Pathogenic
SCN1A	2	166854590	A	C	1478	F	L	0.970	Likely Pathogenic
SCN1A	2	166854590	A	T	1478	F	L	0.970	Likely Pathogenic
SCN1A	2	166854589	T	A	1479	I	F	0.993	Likely Pathogenic
SCN1A	2	166854589	T	C	1479	I	V	0.658	Likely Benign
SCN1A	2	166854589	T	G	1479	I	L	0.968	Likely Pathogenic
SCN1A	2	166854588	A	C	1479	I	S	0.994	Likely Pathogenic
SCN1A	2	166854588	A	G	1479	I	T	0.986	Likely Pathogenic
SCN1A	2	166854588	A	T	1479	I	N	0.996	Likely Pathogenic
SCN1A	2	166854587	A	C	1479	I	M	0.994	Likely Pathogenic
SCN1A	2	166854586	C	A	1480	G	C	0.997	Likely Pathogenic
SCN1A	2	166854586	C	G	1480	G	R	0.995	Likely Pathogenic
SCN1A	2	166854586	C	T	1480	G	S	0.988	Likely Pathogenic
SCN1A	2	166854585	C	A	1480	G	V	0.990	Likely Pathogenic
SCN1A	2	166854585	C	G	1480	G	A	0.973	Likely Pathogenic
SCN1A	2	166854585	C	T	1480	G	D	0.997	Likely Pathogenic
SCN1A	2	166854583	C	A	1481	V	F	0.990	Likely Pathogenic
SCN1A	2	166854583	C	G	1481	V	L	0.984	Likely Pathogenic
SCN1A	2	166854583	C	T	1481	V	I	0.985	Likely Pathogenic
SCN1A	2	166854582	A	C	1481	V	G	0.997	Likely Pathogenic
SCN1A	2	166854582	A	G	1481	V	A	0.992	Likely Pathogenic
SCN1A	2	166854582	A	T	1481	V	D	0.996	Likely Pathogenic
SCN1A	2	166854580	T	A	1482	I	F	0.997	Likely Pathogenic
SCN1A	2	166854580	T	C	1482	I	V	0.959	Likely Pathogenic
SCN1A	2	166854580	T	G	1482	I	L	0.977	Likely Pathogenic
SCN1A	2	166854579	A	C	1482	I	S	0.997	Likely Pathogenic
SCN1A	2	166854579	A	G	1482	I	T	0.996	Likely Pathogenic
SCN1A	2	166854579	A	T	1482	I	N	0.997	Likely Pathogenic
SCN1A	2	166854578	G	C	1482	I	M	0.992	Likely Pathogenic
SCN1A	2	166854577	T	A	1483	I	L	0.981	Likely Pathogenic
SCN1A	2	166854577	T	C	1483	I	V	0.980	Likely Pathogenic
SCN1A	2	166854577	T	G	1483	I	L	0.981	Likely Pathogenic
SCN1A	2	166854576	A	C	1483	I	R	0.990	Likely Pathogenic
SCN1A	2	166854576	A	G	1483	I	T	0.989	Likely Pathogenic
SCN1A	2	166854576	A	T	1483	I	K	0.990	Likely Pathogenic
SCN1A	2	166854575	T	C	1483	I	M	0.988	Likely Pathogenic
SCN1A	2	166854574	C	A	1484	D	Y	0.990	Likely Pathogenic
SCN1A	2	166854574	C	G	1484	D	H	0.990	Likely Pathogenic
SCN1A	2	166854574	C	T	1484	D	N	0.989	Likely Pathogenic
SCN1A	2	166854573	T	A	1484	D	V	0.986	Likely Pathogenic
SCN1A	2	166854573	T	C	1484	D	G	0.984	Likely Pathogenic
SCN1A	2	166854573	T	G	1484	D	A	0.981	Likely Pathogenic
SCN1A	2	166854572	A	C	1484	D	E	0.931	Likely Pathogenic
SCN1A	2	166854572	A	G	1484	D	E	0.931	Likely Pathogenic
SCN1A	2	166854571	T	A	1485	N	Y	0.989	Likely Pathogenic
SCN1A	2	166854571	T	C	1485	N	D	0.988	Likely Pathogenic
SCN1A	2	166854571	T	G	1485	N	H	0.983	Likely Pathogenic
SCN1A	2	166854570	T	A	1485	N	I	0.990	Likely Pathogenic
SCN1A	2	166854570	T	C	1485	N	S	0.985	Likely Pathogenic
SCN1A	2	166854570	T	G	1485	N	T	0.989	Likely Pathogenic
SCN1A	2	166854569	A	C	1485	N	K	0.978	Likely Pathogenic
SCN1A	2	166854569	A	T	1485	N	K	0.978	Likely Pathogenic
SCN1A	2	166854568	A	C	1486	F	V	0.991	Likely Pathogenic
SCN1A	2	166854568	A	G	1486	F	L	0.983	Likely Pathogenic
SCN1A	2	166854568	A	T	1486	F	I	0.991	Likely Pathogenic
SCN1A	2	166854567	A	C	1486	F	C	0.992	Likely Pathogenic
SCN1A	2	166854567	A	G	1486	F	S	0.990	Likely Pathogenic
SCN1A	2	166854567	A	T	1486	F	Y	0.989	Likely Pathogenic
SCN1A	2	166854566	G	C	1486	F	L	0.985	Likely Pathogenic
SCN1A	2	166854566	G	T	1486	F	L	0.985	Likely Pathogenic
SCN1A	2	166854565	T	A	1487	N	Y	0.985	Likely Pathogenic
SCN1A	2	166854565	T	C	1487	N	D	0.987	Likely Pathogenic
SCN1A	2	166854565	T	G	1487	N	H	0.983	Likely Pathogenic
SCN1A	2	166854564	T	A	1487	N	I	0.986	Likely Pathogenic
SCN1A	2	166854564	T	C	1487	N	S	0.981	Likely Pathogenic
SCN1A	2	166854564	T	G	1487	N	T	0.988	Likely Pathogenic
SCN1A	2	166854563	G	C	1487	N	K	0.987	Likely Pathogenic
SCN1A	2	166854563	G	T	1487	N	K	0.987	Likely Pathogenic
SCN1A	2	166854562	G	C	1488	Q	E	0.832	Likely Pathogenic
SCN1A	2	166854562	G	T	1488	Q	K	0.946	Likely Pathogenic
SCN1A	2	166854561	T	A	1488	Q	L	0.982	Likely Pathogenic
SCN1A	2	166854561	T	C	1488	Q	R	0.943	Likely Pathogenic
SCN1A	2	166854561	T	G	1488	Q	P	0.987	Likely Pathogenic
SCN1A	2	166854560	C	A	1488	Q	H	0.982	Likely Pathogenic
SCN1A	2	166854560	C	G	1488	Q	H	0.982	Likely Pathogenic
SCN1A	2	166854559	C	A	1489	Q	E	0.983	Likely Pathogenic
SCN1A	2	166854559	C	G	1489	Q	K	0.984	Likely Pathogenic
SCN1A	2	166854558	T	A	1489	Q	L	0.958	Likely Pathogenic
SCN1A	2	166854558	T	C	1489	Q	R	0.983	Likely Pathogenic
SCN1A	2	166854558	T	G	1489	Q	P	0.988	Likely Pathogenic
SCN1A	2	166854557	C	A	1489	Q	H	0.971	Likely Pathogenic
SCN1A	2	166854557	C	G	1489	Q	H	0.968	Likely Pathogenic
SCN1A	2	166854556	T	C	1490	K	E	0.978	Likely Pathogenic
SCN1A	2	166854556	T	G	1490	K	Q	0.948	Likely Pathogenic
SCN1A	2	166854555	T	A	1490	K	I	0.988	Likely Pathogenic
SCN1A	2	166854555	T	C	1490	K	R	0.970	Likely Pathogenic
SCN1A	2	166854555	T	G	1490	K	T	0.983	Likely Pathogenic
SCN1A	2	166854554	T	A	1490	K	N	0.975	Likely Pathogenic
SCN1A	2	166854554	T	G	1490	K	N	0.975	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166237174	T	A	1461	S	T	0.61	Likely Benign
SCN2A	2	166237174	T	C	1461	S	P	0.925	Likely Pathogenic
SCN2A	2	166237174	T	G	1461	S	A	0.417	Likely Benign
SCN2A	2	166237175	C	T	1461	S	L	0.973	Likely Pathogenic
SCN2A	2	166237177	A	C	1462	F	I	0.984	Likely Pathogenic
SCN2A	2	166237177	T	C	1462	F	L	0.984	Likely Pathogenic
SCN2A	2	166237177	T	G	1462	F	V	0.987	Likely Pathogenic
SCN2A	2	166237178	A	T	1462	F	Y	0.978	Likely Pathogenic
SCN2A	2	166237178	T	C	1462	F	S	0.993	Likely Pathogenic
SCN2A	2	166237178	T	G	1462	F	C	0.995	Likely Pathogenic
SCN2A	2	166237179	C	A	1462	F	L	0.962	Likely Pathogenic
SCN2A	2	166237179	C	G	1462	F	L	0.962	Likely Pathogenic
SCN2A	2	166237180	T	A	1463	F	I	0.956	Likely Pathogenic
SCN2A	2	166237180	T	C	1463	F	L	0.958	Likely Pathogenic
SCN2A	2	166237180	T	G	1463	F	V	0.974	Likely Pathogenic
SCN2A	2	166237181	T	A	1463	F	Y	0.968	Likely Pathogenic
SCN2A	2	166237181	T	C	1463	F	S	0.991	Likely Pathogenic
SCN2A	2	166237181	T	G	1463	F	C	0.995	Likely Pathogenic
SCN2A	2	166237182	T	A	1463	F	L	0.955	Likely Pathogenic
SCN2A	2	166237182	T	G	1463	F	L	0.957	Likely Pathogenic
SCN2A	2	166237183	A	G	1464	T	P	0.979	Likely Pathogenic
SCN2A	2	166237183	A	G	1464	T	A	0.96	Likely Pathogenic
SCN2A	2	166237183	A	T	1464	T	S	0.955	Likely Pathogenic
SCN2A	2	166237184	C	A	1464	T	N	0.988	Likely Pathogenic
SCN2A	2	166237184	C	G	1464	T	S	0.954	Likely Pathogenic
SCN2A	2	166237184	C	T	1464	T	I	0.765	Likely Benign
SCN2A	2	166237186	T	A	1465	L	M	0.98	Likely Pathogenic
SCN2A	2	166237186	T	G	1465	L	V	0.971	Likely Pathogenic
SCN2A	2	166237187	T	C	1465	L	S	0.992	Likely Pathogenic
SCN2A	2	166237187	T	G	1465	L	W	0.994	Likely Pathogenic
SCN2A	2	166237188	G	C	1465	L	F	0.957	Likely Pathogenic
SCN2A	2	166237188	G	T	1465	L	F	0.958	Likely Pathogenic
SCN2A	2	166237189	A	C	1466	N	H	0.997	Likely Pathogenic
SCN2A	2	166237189	A	G	1466	N	D	0.996	Likely Pathogenic
SCN2A	2	166237189	A	T	1466	N	Y	0.997	Likely Pathogenic
SCN2A	2	166237190	A	C	1466	N	T	0.987	Likely Pathogenic
SCN2A	2	166237190	A	G	1466	N	S	0.991	Likely Pathogenic
SCN2A	2	166237190	A	T	1466	N	I	0.997	Likely Pathogenic
SCN2A	2	166237191	T	A	1466	N	K	0.996	Likely Pathogenic
SCN2A	2	166237191	T	G	1466	N	K	0.996	Likely Pathogenic
SCN2A	2	166237192	C	A	1467	L	I	0.936	Likely Pathogenic
SCN2A	2	166237192	C	G	1467	L	V	0.985	Likely Pathogenic
SCN2A	2	166237192	C	T	1467	L	F	0.992	Likely Pathogenic
SCN2A	2	166237193	A	C	1467	L	H	0.997	Likely Pathogenic
SCN2A	2	166237193	T	C	1467	L	H	0.997	Likely Pathogenic
SCN2A	2	166237193	T	G	1467	L	R	0.997	Likely Pathogenic
SCN2A	2	166237195	A	C	1468	F	I	0.963	Likely Pathogenic
SCN2A	2	166237195	T	C	1468	F	L	0.931	Likely Pathogenic
SCN2A	2	166237195	T	G	1468	F	V	0.97	Likely Pathogenic
SCN2A	2	166237196	A	C	1468	F	Y	0.984	Likely Pathogenic
SCN2A	2	166237196	T	C	1468	F	S	0.996	Likely Pathogenic
SCN2A	2	166237196	T	G	1468	F	C	0.975	Likely Pathogenic
SCN2A	2	166237197	C	A	1468	F	L	0.921	Likely Pathogenic
SCN2A	2	166237197	C	G	1468	F	L	0.923	Likely Pathogenic
SCN2A	2	166237198	A	C	1469	I	L	0.796	Likely Pathogenic
SCN2A	2	166237198	A	G	1469	I	V	0.442	Likely Benign
SCN2A	2	166237198	A	T	1469	I	F	0.991	Likely Pathogenic
SCN2A	2	166237199	T	A	1469	I	N	0.996	Likely Pathogenic
SCN2A	2	166237199	T	C	1469	I	T	0.978	Likely Pathogenic
SCN2A	2	166237199	T	G	1469	I	S	0.994	Likely Pathogenic
SCN2A	2	166237200	T	G	1469	I	M	0.991	Likely Pathogenic
SCN2A	2	166237201	G	A	1470	G	S	0.976	Likely Pathogenic
SCN2A	2	166237201	G	C	1470	G	R	0.994	Likely Pathogenic
SCN2A	2	166237201	G	T	1470	G	C	0.996	Likely Pathogenic
SCN2A	2	166237202	G	A	1470	G	D	0.997	Likely Pathogenic
SCN2A	2	166237202	G	C	1470	G	A	0.966	Likely Pathogenic
SCN2A	2	166237202	G	T	1470	G	V	0.985	Likely Pathogenic
SCN2A	2	166237204	G	A	1471	V	I	0.962	Likely Pathogenic
SCN2A	2	166237204	G	T	1471	V	L	0.983	Likely Pathogenic
SCN2A	2	166237204	G	T	1471	V	F	0.988	Likely Pathogenic
SCN2A	2	166237205	T	A	1471	V	D	0.996	Likely Pathogenic
SCN2A	2	166237205	T	C	1471	V	A	0.992	Likely Pathogenic
SCN2A	2	166237205	T	G	1471	V	G	0.997	Likely Pathogenic
SCN2A	2	166237207	A	C	1472	I	L	0.923	Likely Pathogenic
SCN2A	2	166237207	A	G	1472	I	V	0.639	Likely Benign
SCN2A	2	166237207	A	T	1472	I	F	0.996	Likely Pathogenic
SCN2A	2	166237208	T	A	1472	I	N	0.996	Likely Pathogenic
SCN2A	2	166237208	T	C	1472	I	T	0.994	Likely Pathogenic
SCN2A	2	166237208	T	G	1472	I	S	0.996	Likely Pathogenic
SCN2A	2	166237209	C	G	1472	M	M	0.991	Likely Pathogenic
SCN2A	2	166237210	A	C	1473	I	L	0.971	Likely Pathogenic
SCN2A	2	166237210	A	G	1473	I	V	0.964	Likely Pathogenic
SCN2A	2	166237210	A	T	1473	I	L	0.971	Likely Pathogenic
SCN2A	2	166237211	T	A	1473	I	K	0.983	Likely Pathogenic
SCN2A	2	166237211	T	C	1473	I	T	0.976	Likely Pathogenic
SCN2A	2	166237211	T	G	1473	I	R	0.984	Likely Pathogenic
SCN2A	2	166237212	A	G	1473	I	M	0.982	Likely Pathogenic
SCN2A	2	166237213	G	A	1474	D	N	0.976	Likely Pathogenic
SCN2A	2	166237213	G	C	1474	D	H	0.981	Likely Pathogenic
SCN2A	2	166237213	G	T	1474	D	Y	0.972	Likely Pathogenic
SCN2A	2	166237214	C	A	1474	D	E	0.973	Likely Pathogenic
SCN2A	2	166237214	A	G	1474	D	G	0.974	Likely Pathogenic
SCN2A	2	166237214	A	T	1474	D	V	0.981	Likely Pathogenic
SCN2A	2	166237215	T	A	1474	D	E	0.894	Likely Pathogenic
SCN2A	2	166237215	T	G	1474	D	E	0.893	Likely Pathogenic
SCN2A	2	166237216	A	C	1475	N	H	0.979	Likely Pathogenic
SCN2A	2	166237216	A	G	1475	N	D	0.981	Likely Pathogenic
SCN2A	2	166237216	A	T	1475	N	Y	0.984	Likely Pathogenic
SCN2A	2	166237217	A	C	1475	N	Y	0.983	Likely Pathogenic
SCN2A	2	166237217	A	G	1475	N	S	0.959	Likely Pathogenic
SCN2A	2	166237217	A	T	1475	N	I	0.984	Likely Pathogenic
SCN2A	2	166237218	C	A	1475	N	K	0.905	Likely Pathogenic
SCN2A	2	166237218	C	G	1475	N	K	0.903	Likely Pathogenic
SCN2A	2	166237219	T	A	1476	F	I	0.986	Likely Pathogenic
SCN2A	2	166237219	T	C	1476	F	L	0.976	Likely Pathogenic
SCN2A	2	166237219	T	G	1476	F	V	0.988	Likely Pathogenic
SCN2A	2	166237220	A	C	1476	F	Y	0.985	Likely Pathogenic
SCN2A	2	166237220	T	C	1476	F	S	0.987	Likely Pathogenic
SCN2A	2	166237220	T	G	1476	F	C	0.99	Likely Pathogenic
SCN2A	2	166237221	C	A	1476	F	L	0.967	Likely Pathogenic
SCN2A	2	166237221	C	G	1476	F	L	0.966	Likely Pathogenic
SCN2A	2	166237222	A	C	1477	N	H	0.983	Likely Pathogenic
SCN2A	2	166237222	A	G	1477	N	D	0.985	Likely Pathogenic
SCN2A	2	166237222	A	T	1477	N	Y	0.981	Likely Pathogenic
SCN2A	2	166237223	A	C	1477	N	Y	0.981	Likely Pathogenic
SCN2A	2	166237223	A	G	1477	N	S	0.963	Likely Pathogenic
SCN2A	2	166237223	A	T	1477	N	I	0.977	Likely Pathogenic
SCN2A	2	166237224	C	A	1477	N	K	0.976	Likely Pathogenic
SCN2A	2	166237224	C	G	1477	N	K	0.976	Likely Pathogenic
SCN2A	2	166237225	C	A	1478	Q	K	0.917	Likely Pathogenic
SCN2A	2	166237225	C	G	1478	Q	E	0.697	Likely Benign
SCN2A	2	166237226	A	C	1478	Q	P	0.985	Likely Pathogenic
SCN2A	2	166237226	A	G	1478	Q	R	0.882	Likely Pathogenic
SCN2A	2	166237226	A	T	1478	Q	L	0.978	Likely Pathogenic
SCN2A	2	166237227	A	C	1478	Q	H	0.975	Likely Pathogenic
SCN2A	2	166237227	A	T	1478	Q	H	0.976	Likely Pathogenic
SCN2A	2	166237228	C	A	1479	Q	K	0.974	Likely Pathogenic
SCN2A	2	166237228	C	G	1479	Q	E	0.977	Likely Pathogenic
SCN2A	2	166237229	A	C	1479	Q	P	0.985	Likely Pathogenic
SCN2A	2	166237229	A	G	1479	Q	R	0.974	Likely Pathogenic
SCN2A	2	166237229	A	T	1479	Q	L	0.92	Likely Pathogenic
SCN2A	2	166237230	G	C	1479	Q	H	0.921	Likely Pathogenic
SCN2A	2	166237230	G	T	1479	Q	H	0.921	Likely Pathogenic
SCN2A	2	166237231	A	C	1480	K	Q	0.887	Likely Pathogenic
SCN2A	2	166237231	A	G	1480	K	E	0.95	Likely Pathogenic
SCN2A	2	166237232	A	C	1480	K	T	0.973	Likely Pathogenic
SCN2A	2	166237232	A	G	1480	K	R	0.884	Likely Pathogenic
SCN2A	2	166237232	A	T	1480	K	I	0.983	Likely Pathogenic
SCN2A	2	166237233	A	C	1480	K	N	0.965	Likely Pathogenic
SCN2A	2	166237233	A	T	1480	K	N	0.965	Likely Pathogenic
SCN2A	2	166237234	A	G	1481	K	Q	0.729	Likely Benign
SCN2A	2	166237234	A	T	1481	K	E	0.855	Likely Pathogenic
SCN2A	2	166237235	A	C	1481	K	T	0.935	Likely Pathogenic
SCN2A	2	166237235	A	G	1481	K	R	0.339	Likely Benign
SCN2A	2	166237235	A	T	1481	K	M	0.93	Likely Pathogenic
SCN2A	2	166237236	G	C	1481	K	N	0.823	Likely Pathogenic
SCN2A	2	166237236	G	T	1481	K	N	0.815	Likely Pathogenic
SCN2A	2	166237237	A	C	1482	K	Q	0.93	Likely Pathogenic
SCN2A	2	166237237	A	G	1482	K	E	0.93	Likely Pathogenic
SCN

GENE	CHR	DNA_LOC	REF_N T	ALT_N NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166854553	T	C	1491	K	E	0.934	Likely Pathoenic
SCN1A	2	166854553	T	G	1491	K	Q	0.874	Likely Pathoenic
SCN1A	2	166854552	T	A	1491	K	M	0.972	Likely Pathoenic
SCN1A	2	166854552	T	C	1491	K	R	0.713	Likely Benian
SCN1A	2	166854552	T	G	1491	K	T	0.979	Likely Pathoenic
SCN1A	2	166854551	C	A	1491	K	N	0.934	Likely Pathoenic
SCN1A	2	166854551	C	G	1491	K	N	0.928	Likely Pathoenic
SCN1A	2	166854550	T	C	1492	K	E	0.959	Likely Pathoenic
SCN1A	2	166854550	T	G	1492	K	Q	0.975	Likely Pathoenic
SCN1A	2	166854549	T	A	1492	K	M	0.974	Likely Pathoenic
SCN1A	2	166854549	T	C	1492	K	R	0.976	Likely Pathoenic
SCN1A	2	166854549	T	G	1492	K	T	0.987	Likely Pathoenic
SCN1A	2	166854548	C	A	1492	K	N	0.984	Likely Pathoenic
SCN1A	2	166854548	C	G	1492	K	N	0.984	Likely Pathoenic
SCN1A	2	166852626	A	C	1493	F	C	0.919	Likely Pathoenic
SCN1A	2	166852626	A	G	1493	F	S	0.635	Likely Benian
SCN1A	2	166852626	A	T	1493	F	Y	0.334	Likely Benian
SCN1A	2	166852625	A	C	1493	F	L	0.114	Likely Benian
SCN1A	2	166852625	A	T	1493	F	L	0.114	Likely Benian
SCN1A	2	166852624	C	G	1494	G	R	0.947	Likely Pathoenic
SCN1A	2	166852624	C	T	1494	G	R	0.947	Likely Pathoenic
SCN1A	2	166852623	C	A	1494	G	V	0.987	Likely Pathoenic
SCN1A	2	166852623	C	G	1494	G	A	0.987	Likely Pathoenic
SCN1A	2	166852623	C	T	1494	G	E	0.957	Likely Pathoenic
SCN1A	2	166852621	C	A	1495	G	C	0.987	Likely Pathoenic
SCN1A	2	166852621	C	G	1495	G	R	0.982	Likely Pathoenic
SCN1A	2	166852621	C	T	1495	G	S	0.854	Likely Pathoenic
SCN1A	2	166852620	A	G	1495	G	V	0.972	Likely Pathoenic
SCN1A	2	166852620	C	G	1495	G	A	0.959	Likely Pathoenic
SCN1A	2	166852620	C	T	1495	G	D	0.874	Likely Pathoenic
SCN1A	2	166852618	C	T	1496	Q	E	0.302	Likely Benian
SCN1A	2	166852618	G	T	1496	Q	K	0.605	Likely Benian
SCN1A	2	166852617	T	A	1496	Q	L	0.863	Likely Pathoenic
SCN1A	2	166852617	T	C	1496	Q	R	0.871	Likely Pathoenic
SCN1A	2	166852617	T	G	1496	Q	P	0.954	Likely Pathoenic
SCN1A	2	166852616	T	A	1496	Q	H	0.963	Likely Pathoenic
SCN1A	2	166852616	T	G	1496	Q	H	0.962	Likely Pathoenic
SCN1A	2	166852615	C	A	1497	D	Y	0.979	Likely Pathoenic
SCN1A	2	166852615	C	G	1497	D	H	0.960	Likely Pathoenic
SCN1A	2	166852615	C	T	1497	D	N	0.922	Likely Pathoenic
SCN1A	2	166852614	T	A	1497	D	V	0.981	Likely Pathoenic
SCN1A	2	166852614	T	C	1497	D	G	0.960	Likely Pathoenic
SCN1A	2	166852614	T	G	1497	D	A	0.976	Likely Pathoenic
SCN1A	2	166852613	G	C	1497	D	E	0.446	Likely Benian
SCN1A	2	166852613	G	T	1497	D	E	0.446	Likely Benian
SCN1A	2	166852612	T	A	1498	I	F	0.954	Likely Pathoenic
SCN1A	2	166852612	T	C	1498	I	V	0.716	Likely Benian
SCN1A	2	166852612	T	G	1498	I	L	0.341	Likely Benian
SCN1A	2	166852611	A	C	1498	I	S	0.977	Likely Pathoenic
SCN1A	2	166852611	A	G	1498	I	T	0.965	Likely Pathoenic
SCN1A	2	166852611	A	T	1498	I	N	0.977	Likely Pathoenic
SCN1A	2	166852610	G	C	1498	I	M	0.616	Likely Benian
SCN1A	2	166852609	A	C	1499	F	V	0.980	Likely Pathoenic
SCN1A	2	166852609	A	G	1499	F	L	0.942	Likely Pathoenic
SCN1A	2	166852609	A	T	1499	F	I	0.973	Likely Pathoenic
SCN1A	2	166852608	C	T	1499	F	C	0.986	Likely Pathoenic
SCN1A	2	166852608	A	G	1499	F	S	0.986	Likely Pathoenic
SCN1A	2	166852608	A	T	1499	F	Y	0.982	Likely Pathoenic
SCN1A	2	166852607	A	C	1499	F	L	0.913	Likely Pathoenic
SCN1A	2	166852607	A	T	1499	F	L	0.916	Likely Pathoenic
SCN1A	2	166852606	T	A	1500	M	L	0.550	Likely Benian
SCN1A	2	166852606	T	C	1500	M	V	0.955	Likely Pathoenic
SCN1A	2	166852606	T	G	1500	M	L	0.549	Likely Benian
SCN1A	2	166852605	A	C	1500	M	R	0.984	Likely Pathoenic
SCN1A	2	166852605	A	G	1500	M	T	0.985	Likely Pathoenic
SCN1A	2	166852605	A	T	1500	M	K	0.984	Likely Pathoenic
SCN1A	2	166852604	C	A	1500	M	I	0.954	Likely Pathoenic
SCN1A	2	166852604	C	G	1500	M	I	0.954	Likely Pathoenic
SCN1A	2	166852604	C	T	1500	M	I	0.954	Likely Pathoenic
SCN1A	2	166852603	T	A	1501	T	S	0.986	Likely Pathoenic
SCN1A	2	166852603	T	C	1501	T	A	0.986	Likely Pathoenic
SCN1A	2	166852603	T	G	1501	T	P	0.987	Likely Pathoenic
SCN1A	2	166852602	G	A	1501	T	I	0.990	Likely Pathoenic
SCN1A	2	166852602	G	C	1501	T	R	0.990	Likely Pathoenic
SCN1A	2	166852602	G	T	1501	T	K	0.990	Likely Pathoenic
SCN1A	2	166852600	C	G	1502	E	Q	0.969	Likely Pathoenic
SCN1A	2	166852600	C	T	1502	E	K	0.970	Likely Pathoenic
SCN1A	2	166852599	T	A	1502	E	V	0.955	Likely Pathoenic
SCN1A	2	166852599	T	C	1502	E	G	0.985	Likely Pathoenic
SCN1A	2	166852599	T	G	1502	E	A	0.982	Likely Pathoenic
SCN1A	2	166852598	T	A	1502	E	D	0.745	Likely Benian
SCN1A	2	166852598	T	G	1502	E	D	0.742	Likely Benian
SCN1A	2	166852597	C	G	1503	E	Q	0.966	Likely Pathoenic
SCN1A	2	166852597	C	T	1503	E	K	0.924	Likely Pathoenic
SCN1A	2	166852596	A	T	1503	E	V	0.983	Likely Pathoenic
SCN1A	2	166852596	T	C	1503	E	G	0.965	Likely Pathoenic
SCN1A	2	166852596	T	G	1503	E	A	0.952	Likely Pathoenic
SCN1A	2	166852595	A	T	1503	E	D	0.568	Likely Benian
SCN1A	2	166852595	T	G	1503	E	D	0.568	Likely Benian
SCN1A	2	166852594	G	C	1504	Q	E	0.990	Likely Pathoenic
SCN1A	2	166852594	G	T	1504	Q	K	0.991	Likely Pathoenic
SCN1A	2	166852593	T	A	1504	Q	L	0.990	Likely Pathoenic
SCN1A	2	166852593	T	C	1504	Q	R	0.989	Likely Pathoenic
SCN1A	2	166852593	T	G	1504	Q	P	0.991	Likely Pathoenic
SCN1A	2	166852592	C	A	1504	Q	H	0.986	Likely Pathoenic
SCN1A	2	166852592	C	G	1504	Q	H	0.986	Likely Pathoenic
SCN1A	2	166852591	T	C	1505	K	E	0.973	Likely Pathoenic
SCN1A	2	166852591	T	G	1505	K	Q	0.971	Likely Pathoenic
SCN1A	2	166852590	T	A	1505	K	M	0.986	Likely Pathoenic
SCN1A	2	166852590	T	C	1505	K	R	0.790	Likely Pathoenic
SCN1A	2	166852590	T	G	1505	K	T	0.980	Likely Pathoenic
SCN1A	2	166852589	C	A	1505	K	N	0.980	Likely Pathoenic
SCN1A	2	166852589	C	G	1505	K	N	0.982	Likely Pathoenic
SCN1A	2	166852588	T	C	1506	K	E	0.975	Likely Pathoenic
SCN1A	2	166852588	T	G	1506	K	Q	0.978	Likely Pathoenic
SCN1A	2	166852587	T	A	1506	K	I	0.987	Likely Pathoenic
SCN1A	2	166852587	T	C	1506	K	R	0.925	Likely Pathoenic
SCN1A	2	166852587	T	G	1506	K	T	0.986	Likely Pathoenic
SCN1A	2	166852586	T	A	1506	K	N	0.949	Likely Pathoenic
SCN1A	2	166852586	T	G	1506	K	N	0.949	Likely Pathoenic
SCN1A	2	166852585	A	C	1507	Y	D	0.985	Likely Pathoenic
SCN1A	2	166852585	A	G	1507	Y	H	0.984	Likely Pathoenic
SCN1A	2	166852585	A	T	1507	Y	N	0.986	Likely Pathoenic
SCN1A	2	166852584	A	C	1507	Y	F	0.969	Likely Pathoenic
SCN1A	2	166852584	T	C	1507	Y	C	0.981	Likely Pathoenic
SCN1A	2	166852584	T	G	1507	Y	S	0.984	Likely Pathoenic
SCN1A	2	166852582	A	C	1508	Y	D	0.985	Likely Pathoenic
SCN1A	2	166852582	A	G	1508	Y	H	0.955	Likely Pathoenic
SCN1A	2	166852582	A	T	1508	Y	N	0.985	Likely Pathoenic
SCN1A	2	166852581	A	C	1508	Y	F	0.975	Likely Pathoenic
SCN1A	2	166852581	T	C	1508	Y	C	0.987	Likely Pathoenic
SCN1A	2	166852581	T	G	1508	Y	S	0.979	Likely Pathoenic
SCN1A	2	166852579	A	T	1509	N	Y	0.984	Likely Pathoenic
SCN1A	2	166852579	T	C	1509	N	D	0.984	Likely Pathoenic
SCN1A	2	166852579	T	G	1509	N	H	0.977	Likely Pathoenic
SCN1A	2	166852578	A	T	1509	N	I	0.983	Likely Pathoenic
SCN1A	2	166852578	T	C	1509	N	S	0.941	Likely Pathoenic
SCN1A	2	166852578	T	G	1509	N	T	0.959	Likely Pathoenic
SCN1A	2	166852577	A	C	1509	N	K	0.947	Likely Pathoenic
SCN1A	2	166852577	A	T	1509	N	K	0.948	Likely Pathoenic
SCN1A	2	166852576	C	A	1510	A	S	0.983	Likely Pathoenic
SCN1A	2	166852576	C	G	1510	A	P	0.988	Likely Pathoenic
SCN1A	2	166852576	C	T	1510	A	T	0.962	Likely Pathoenic
SCN1A	2	166852575	G	A	1510	A	V	0.976	Likely Pathoenic
SCN1A	2	166852575	G	C	1510	A	G	0.982	Likely Pathoenic
SCN1A	2	166852575	G	T	1510	A	E	0.988	Likely Pathoenic
SCN1A	2	166852573	T	A	1511	M	L	0.908	Likely Pathoenic
SCN1A	2	166852573	T	C	1511	M	V	0.976	Likely Pathoenic
SCN1A	2	166852573	T	G	1511	M	L	0.906	Likely Pathoenic
SCN1A	2	166852572	A	C	1511	M	R	0.986	Likely Pathoenic
SCN1A	2	166852572	A	G	1511	M	T	0.986	Likely Pathoenic
SCN1A	2	166852572	A	T	1511	M	K	0.986	Likely Pathoenic
SCN1A	2	166852571	C	A	1511	M	I	0.987	Likely Pathoenic
SCN1A	2	166852571	C	G	1511	M	I	0.987	Likely Pathoenic
SCN1A	2	166852571	C	T	1511	M	I	0.987	Likely Pathoenic
SCN1A	2	166852570	T	C	1512	K	E	0.973	Likely Pathoenic
SCN1A	2	166852570	T	G	1512	K	Q	0.977	Likely Pathoenic
SCN1A	2	166852569	T	A	1512	K	I	0.988	Likely Pathoenic
SCN1A	2	166852569	T	C	1512	K	R	0.955	Likely Pathoenic
SCN1A	2	166852569	T	G	1512	K	T	0.987	Likely Pathoenic
SCN1A	2	166852568	T	A	1512	K	N	0.987	Likely Pathoenic
SCN1A	2	166852568	T	G	1512	K	N	0.986	Likely Pathoenic
SCN1A	2	166852567	T	C	1513	K	E	0.984	Likely Pathoenic
SCN1A	2	166852567	T	G	1513	K	Q	0.983	Likely Pathoenic
SCN1A	2	166852566	T	A	1513	K	I	0.985	Likely Pathoenic
SCN1A	2	166852566	T	C	1513	K	R	0.850	Likely Pathoenic
SCN1A	2	166852566	T	G	1513	K	T	0.966	Likely Pathoenic
SCN1A	2	166852565	T	A	1513	K	N	0.981	Likely Pathoenic
SCN1A	2	166852565	T	G	1513	K	N	0.981	Likely Pathoenic
SCN1A	2	166852564	A	C	1514	L	V	0.985	Likely Pathoenic
SCN1A	2	166852564	A	T	1514	L	I	0.967	Likely Pathoenic
SCN1A	2	166852563	A	G	1514	L	S	0.987	Likely Pathoenic
SCN1A	2	166852562	T	A	1514	L	F	0.986	Likely Pathoenic
SCN1A	2	166852562	T	G	1514	L	F	0.986	Likely Pathoenic
SCN1A	2	166852561	C	G	1515	G	R	0.986	Likely Pathoenic
SCN1A	2	166852561	C	T	1515	G	R	0.986	Likely Pathoenic
SCN1A	2	166852560	C	A	1515	G	V	0.977	Likely Pathoenic
SCN1A	2	166852560	C	G	1515	G	A	0.958	Likely Pathoenic
SCN1A	2	166852560	C	T	1515	G	E	0.985	Likely Pathoenic
SCN1A	2	166852558	A	C	1516	S	A	0.941	Likely Pathoenic
SCN1A	2	166852558	A	G	1516	S	P	0.981	Likely Pathoenic
SCN1A	2	166852558	A	T	1516	S	T	0.971	Likely Pathoenic
SCN1A	2	166852557	G	A	1516	S	L	0.977	Likely Pathoenic
SCN1A	2	166852557	G	C	1516	S	W	0.986	Likely Pathoenic
SCN1A	2	166852555	T	C	1517	K	E	0.963	Likely Pathoenic
SCN1A	2	166852555	T	G	1517	K	Q	0.984	Likely Pathoenic
SCN1A	2	166852554	A	T	1517	K	I	0.977	Likely Pathoenic
SCN1A	2	166852554	T	C	1517	K	R	0.967	Likely Pathoenic
SCN1A	2	166852554	T	G	1517	K	T	0.972	Likely Pathoenic
SCN1A	2	166852553	T	A	1517	K	N	0.984	Likely Pathoenic
SCN1A	2	166852553	T	G	1517	K	N	0.984	Likely Pathoenic
SCN1A	2	166852552	T	C	1518	K	E	0.971	Likely Pathoenic
SCN1A	2	166852552	T	G	1518	K	Q	0.954	Likely Pathoenic
SCN1A	2	166852551	T	A	1518	K	I	0.986	Likely Pathoenic
SCN1A	2	166852551	T	C	1518	K	R	0.967	Likely Pathoenic
SCN1A	2	166852551	T	G	1518	K	T	0.963	Likely Pathoenic
SCN1A	2	166852550	T	A	1518	K	N	0.978	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166237618	A	G	1488	I	V	0.523	Likely Benign
SCN2A	2	166237618	A	T	1488	I	F	0.873	Likely Pathogenic
SCN2A	2	166237619	T	A	1488	I	N	0.97	Likely Pathogenic
SCN2A	2	166237619	T	C	1488	I	T	0.937	Likely Pathogenic
SCN2A	2	166237619	T	G	1488	I	S	0.969	Likely Pathogenic
SCN2A	2	166237620	T	G	1488	I	M	0.543	Likely Benign
SCN2A	2	166237621	T	A	1489	F	I	0.982	Likely Pathogenic
SCN2A	2	166237621	T	C	1489	F	L	0.855	Likely Pathogenic
SCN2A	2	166237621	T	G	1489	F	V	0.984	Likely Pathogenic
SCN2A	2	166237622	T	A	1489	F	Y	0.979	Likely Pathogenic
SCN2A	2	166237622	T	C	1489	F	S	0.983	Likely Pathogenic
SCN2A	2	166237622	T	G	1489	F	C	0.983	Likely Pathogenic
SCN2A	2	166237623	T	A	1489	F	L	0.895	Likely Pathogenic
SCN2A	2	166237623	T	G	1489	F	L	0.893	Likely Pathogenic
SCN2A	2	166237624	A	C	1490	M	L	0.468	Likely Benign
SCN2A	2	166237624	A	G	1490	M	V	0.954	Likely Pathogenic
SCN2A	2	166237624	A	T	1490	M	L	0.468	Likely Benign
SCN2A	2	166237625	T	A	1490	M	K	0.982	Likely Pathogenic
SCN2A	2	166237625	T	C	1490	M	T	0.979	Likely Pathogenic
SCN2A	2	166237625	T	G	1490	M	R	0.979	Likely Pathogenic
SCN2A	2	166237626	G	A	1490	M	I	0.899	Likely Pathogenic
SCN2A	2	166237626	G	C	1490	M	I	0.901	Likely Pathogenic
SCN2A	2	166237626	G	T	1490	M	I	0.901	Likely Pathogenic
SCN2A	2	166237627	A	C	1491	T	P	0.981	Likely Pathogenic
SCN2A	2	166237627	A	G	1491	T	A	0.988	Likely Pathogenic
SCN2A	2	166237627	A	T	1491	T	S	0.985	Likely Pathogenic
SCN2A	2	166237628	C	A	1491	T	K	0.988	Likely Pathogenic
SCN2A	2	166237628	C	G	1491	T	R	0.99	Likely Pathogenic
SCN2A	2	166237628	C	T	1491	T	I	0.989	Likely Pathogenic
SCN2A	2	166237630	G	A	1492	E	K	0.978	Likely Pathogenic
SCN2A	2	166237630	G	C	1492	E	Q	0.979	Likely Pathogenic
SCN2A	2	166237631	A	C	1492	E	A	0.979	Likely Pathogenic
SCN2A	2	166237631	A	G	1492	E	G	0.981	Likely Pathogenic
SCN2A	2	166237631	A	T	1492	E	V	0.941	Likely Pathogenic
SCN2A	2	166237632	A	C	1492	E	D	0.767	Likely Benign
SCN2A	2	166237632	A	T	1492	E	D	0.769	Likely Benign
SCN2A	2	166237633	G	A	1493	E	K	0.928	Likely Pathogenic
SCN2A	2	166237633	G	C	1493	E	Q	0.983	Likely Pathogenic
SCN2A	2	166237634	A	C	1493	E	A	0.923	Likely Pathogenic
SCN2A	2	166237634	A	G	1493	E	G	0.951	Likely Pathogenic
SCN2A	2	166237634	A	T	1493	E	V	0.984	Likely Pathogenic
SCN2A	2	166237635	A	C	1493	E	D	0.403	Likely Benign
SCN2A	2	166237635	A	T	1493	E	D	0.4	Likely Benign
SCN2A	2	166237636	A	A	1494	Q	K	0.986	Likely Pathogenic
SCN2A	2	166237636	C	G	1494	Q	E	0.979	Likely Pathogenic
SCN2A	2	166237637	A	C	1494	Q	P	0.991	Likely Pathogenic
SCN2A	2	166237637	A	G	1494	Q	R	0.987	Likely Pathogenic
SCN2A	2	166237637	A	T	1494	Q	L	0.989	Likely Pathogenic
SCN2A	2	166237638	G	C	1494	Q	H	0.979	Likely Pathogenic
SCN2A	2	166237638	G	T	1494	Q	H	0.978	Likely Pathogenic
SCN2A	2	166237639	A	C	1495	K	Q	0.966	Likely Pathogenic
SCN2A	2	166237639	A	G	1495	K	E	0.959	Likely Pathogenic
SCN2A	2	166237640	A	T	1495	K	I	0.976	Likely Pathogenic
SCN2A	2	166237640	A	G	1495	K	R	0.715	Likely Benign
SCN2A	2	166237640	A	T	1495	K	M	0.98	Likely Pathogenic
SCN2A	2	166237641	G	T	1495	K	N	0.975	Likely Pathogenic
SCN2A	2	166237641	G	T	1495	K	N	0.975	Likely Pathogenic
SCN2A	2	166237642	A	C	1496	K	Q	0.972	Likely Pathogenic
SCN2A	2	166237642	A	G	1496	K	E	0.953	Likely Pathogenic
SCN2A	2	166237643	A	C	1496	K	T	0.983	Likely Pathogenic
SCN2A	2	166237643	A	G	1496	K	R	0.823	Likely Pathogenic
SCN2A	2	166237643	A	T	1496	K	I	0.984	Likely Pathogenic
SCN2A	2	166237644	A	C	1496	K	N	0.935	Likely Pathogenic
SCN2A	2	166237644	A	T	1496	K	N	0.936	Likely Pathogenic
SCN2A	2	166237645	T	A	1497	Y	N	0.981	Likely Pathogenic
SCN2A	2	166237645	T	C	1497	Y	H	0.972	Likely Pathogenic
SCN2A	2	166237645	T	G	1497	Y	D	0.979	Likely Pathogenic
SCN2A	2	166237646	A	C	1497	Y	S	0.978	Likely Pathogenic
SCN2A	2	166237646	A	G	1497	Y	C	0.975	Likely Pathogenic
SCN2A	2	166237646	A	T	1497	Y	F	0.724	Likely Benign
SCN2A	2	166237648	T	A	1498	Y	N	0.981	Likely Pathogenic
SCN2A	2	166237648	T	C	1498	Y	H	0.835	Likely Pathogenic
SCN2A	2	166237648	T	G	1498	Y	D	0.978	Likely Pathogenic
SCN2A	2	166237649	A	C	1498	Y	S	0.965	Likely Pathogenic
SCN2A	2	166237649	A	G	1498	Y	C	0.981	Likely Pathogenic
SCN2A	2	166237649	A	T	1498	Y	F	0.89	Likely Pathogenic
SCN2A	2	166237651	A	C	1499	N	H	0.973	Likely Pathogenic
SCN2A	2	166237651	A	G	1499	N	D	0.916	Likely Pathogenic
SCN2A	2	166237651	A	T	1499	N	Y	0.983	Likely Pathogenic
SCN2A	2	166237652	A	C	1499	N	T	0.924	Likely Pathogenic
SCN2A	2	166237652	A	G	1499	N	S	0.884	Likely Pathogenic
SCN2A	2	166237652	A	T	1499	N	I	0.979	Likely Pathogenic
SCN2A	2	166237653	T	A	1499	N	K	0.929	Likely Pathogenic
SCN2A	2	166237653	T	G	1499	N	K	0.93	Likely Pathogenic
SCN2A	2	166237654	G	A	1500	A	T	0.933	Likely Pathogenic
SCN2A	2	166237654	G	C	1500	A	P	0.985	Likely Pathogenic
SCN2A	2	166237654	G	T	1500	A	S	0.982	Likely Pathogenic
SCN2A	2	166237655	A	G	1500	A	V	0.984	Likely Pathogenic
SCN2A	2	166237655	C	G	1500	A	G	0.984	Likely Pathogenic
SCN2A	2	166237655	C	T	1500	A	V	0.962	Likely Pathogenic
SCN2A	2	166237657	A	C	1501	M	L	0.778	Likely Benign
SCN2A	2	166237657	A	G	1501	M	V	0.954	Likely Pathogenic
SCN2A	2	166237657	A	T	1501	M	L	0.778	Likely Benign
SCN2A	2	166237658	A	C	1501	M	T	0.978	Likely Pathogenic
SCN2A	2	166237658	T	C	1501	M	T	0.976	Likely Pathogenic
SCN2A	2	166237658	T	G	1501	M	R	0.983	Likely Pathogenic
SCN2A	2	166237659	G	A	1501	M	I	0.985	Likely Pathogenic
SCN2A	2	166237659	G	C	1501	M	I	0.985	Likely Pathogenic
SCN2A	2	166237659	G	T	1501	M	I	0.985	Likely Pathogenic
SCN2A	2	166237660	A	C	1502	K	Q	0.976	Likely Pathogenic
SCN2A	2	166237660	A	G	1502	K	E	0.968	Likely Pathogenic
SCN2A	2	166237661	A	C	1502	K	T	0.986	Likely Pathogenic
SCN2A	2	166237661	A	G	1502	K	R	0.912	Likely Pathogenic
SCN2A	2	166237661	A	T	1502	K	I	0.987	Likely Pathogenic
SCN2A	2	166237662	A	C	1502	K	N	0.985	Likely Pathogenic
SCN2A	2	166237662	A	T	1502	K	N	0.985	Likely Pathogenic
SCN2A	2	166237663	A	C	1503	K	Q	0.981	Likely Pathogenic
SCN2A	2	166237663	A	G	1503	K	E	0.981	Likely Pathogenic
SCN2A	2	166237663	A	T	1503	K	I	0.949	Likely Pathogenic
SCN2A	2	166237664	A	G	1503	K	R	0.731	Likely Benign
SCN2A	2	166237664	A	T	1503	K	I	0.983	Likely Pathogenic
SCN2A	2	166237665	A	C	1503	K	N	0.961	Likely Pathogenic
SCN2A	2	166237665	A	T	1503	K	N	0.962	Likely Pathogenic
SCN2A	2	166237666	A	A	1504	L	M	0.588	Likely Benign
SCN2A	2	166237666	C	G	1504	L	V	0.97	Likely Pathogenic
SCN2A	2	166237667	T	A	1504	L	Q	0.981	Likely Pathogenic
SCN2A	2	166237667	T	C	1504	L	P	0.984	Likely Pathogenic
SCN2A	2	166237667	T	G	1504	L	R	0.982	Likely Pathogenic
SCN2A	2	166237669	G	A	1505	G	S	0.927	Likely Pathogenic
SCN2A	2	166237669	G	C	1505	G	R	0.977	Likely Pathogenic
SCN2A	2	166237669	G	T	1505	G	C	0.962	Likely Pathogenic
SCN2A	2	166237670	G	A	1505	G	D	0.977	Likely Pathogenic
SCN2A	2	166237670	G	C	1505	G	A	0.913	Likely Pathogenic
SCN2A	2	166237670	G	T	1505	G	V	0.968	Likely Pathogenic
SCN2A	2	166237672	T	A	1506	S	T	0.95	Likely Pathogenic
SCN2A	2	166237672	T	C	1506	S	P	0.976	Likely Pathogenic
SCN2A	2	166237672	T	G	1506	S	A	0.902	Likely Pathogenic
SCN2A	2	166237673	C	T	1506	S	L	0.962	Likely Pathogenic
SCN2A	2	166237675	C	T	1507	K	Q	0.98	Likely Pathogenic
SCN2A	2	166237675	A	G	1507	K	E	0.948	Likely Pathogenic
SCN2A	2	166237676	A	C	1507	K	T	0.958	Likely Pathogenic
SCN2A	2	166237676	A	G	1507	K	R	0.907	Likely Pathogenic
SCN2A	2	166237676	A	T	1507	K	M	0.98	Likely Pathogenic
SCN2A	2	166237677	G	C	1507	K	N	0.974	Likely Pathogenic
SCN2A	2	166237677	G	T	1507	K	N	0.973	Likely Pathogenic
SCN2A	2	166237678	A	C	1508	K	Q	0.914	Likely Pathogenic
SCN2A	2	166237678	A	G	1508	K	E	0.957	Likely Pathogenic
SCN2A	2	166237679	A	C	1508	K	T	0.95	Likely Pathogenic
SCN2A	2	166237679	A	G	1508	K	R	0.97	Likely Pathogenic
SCN2A	2	166237679	A	T	1508	K	I	0.987	Likely Pathogenic
SCN2A	2	166237680	A	C	1508	K	N	0.955	Likely Pathogenic
SCN2A	2	166237680	A	T	1508	K	N	0.955	Likely P

GENE	CHR	DNA_LOC	REF_N T	ALT_NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166852550	T	G	I518	K	N	0.978	Likely Pathoenic
SCN1A	2	166852549	G	A	I519	P	S	0.976	Likely Pathoenic
SCN1A	2	166852549	G	C	I519	P	A	0.982	Likely Pathoenic
SCN1A	2	166852549	G	T	I519	P	T	0.983	Likely Pathoenic
SCN1A	2	166852548	G	A	I519	P	L	0.981	Likely Pathoenic
SCN1A	2	166852548	G	C	I519	P	R	0.981	Likely Pathoenic
SCN1A	2	166852548	G	T	I519	P	Q	0.990	Likely Pathoenic
SCN1A	2	166852546	G	C	I520	Q	E	0.974	Likely Pathoenic
SCN1A	2	166852546	G	T	I520	Q	K	0.913	Likely Pathoenic
SCN1A	2	166852545	T	A	I520	Q	L	0.908	Likely Pathoenic
SCN1A	2	166852545	T	C	I520	Q	R	0.942	Likely Pathoenic
SCN1A	2	166852545	T	G	I520	Q	P	0.949	Likely Pathoenic
SCN1A	2	166852544	T	A	I520	Q	H	0.956	Likely Pathoenic
SCN1A	2	166852544	T	G	I520	Q	H	0.956	Likely Pathoenic
SCN1A	2	166852543	T	C	I521	K	E	0.985	Likely Pathoenic
SCN1A	2	166852543	T	G	I521	K	Q	0.979	Likely Pathoenic
SCN1A	2	166852542	T	A	I521	K	M	0.988	Likely Pathoenic
SCN1A	2	166852542	T	C	I521	K	R	0.947	Likely Pathoenic
SCN1A	2	166852542	T	G	I521	K	T	0.982	Likely Pathoenic
SCN1A	2	166852541	C	A	I521	K	N	0.986	Likely Pathoenic
SCN1A	2	166852541	C	G	I521	K	N	0.986	Likely Pathoenic
SCN1A	2	166852540	G	A	I522	P	S	0.944	Likely Pathoenic
SCN1A	2	166852540	G	C	I522	P	A	0.926	Likely Pathoenic
SCN1A	2	166852540	G	T	I522	P	T	0.966	Likely Pathoenic
SCN1A	2	166852539	G	A	I522	P	L	0.975	Likely Pathoenic
SCN1A	2	166852539	G	C	I522	P	R	0.973	Likely Pathoenic
SCN1A	2	166852539	G	T	I522	P	H	0.981	Likely Pathoenic
SCN1A	2	166852537	A	A	I523	I	L	0.949	Likely Pathoenic
SCN1A	2	166852537	T	C	I523	I	V	0.624	Likely Benign
SCN1A	2	166852537	T	G	I523	I	L	0.949	Likely Pathoenic
SCN1A	2	166852536	A	C	I523	I	R	0.983	Likely Pathoenic
SCN1A	2	166852536	A	G	I523	I	T	0.979	Likely Pathoenic
SCN1A	2	166852536	A	T	I523	I	K	0.982	Likely Pathoenic
SCN1A	2	166852535	T	C	I523	I	M	0.983	Likely Pathoenic
SCN1A	2	166852534	G	A	I524	P	S	0.981	Likely Pathoenic
SCN1A	2	166852534	G	C	I524	P	A	0.984	Likely Pathoenic
SCN1A	2	166852534	G	T	I524	P	T	0.976	Likely Pathoenic
SCN1A	2	166852533	G	A	I524	P	L	0.981	Likely Pathoenic
SCN1A	2	166852533	G	C	I524	P	R	0.978	Likely Pathoenic
SCN1A	2	166852533	G	T	I524	P	H	0.985	Likely Pathoenic
SCN1A	2	166852531	G	C	I525	R	G	0.968	Likely Pathoenic
SCN1A	2	166852530	C	A	I525	R	L	0.976	Likely Pathoenic
SCN1A	2	166852530	C	G	I525	R	P	0.968	Likely Pathoenic
SCN1A	2	166852530	C	T	I525	R	Q	0.984	Likely Pathoenic
SCN1A	2	166852528	G	A	I526	P	S	0.986	Likely Pathoenic
SCN1A	2	166852528	G	C	I526	P	A	0.990	Likely Pathoenic
SCN1A	2	166852528	G	T	I526	P	T	0.987	Likely Pathoenic
SCN1A	2	166852527	G	A	I526	P	L	0.990	Likely Pathoenic
SCN1A	2	166852527	G	C	I526	P	R	0.990	Likely Pathoenic
SCN1A	2	166852527	G	T	I526	P	Q	0.990	Likely Pathoenic
SCN1A	2	166852525	C	G	I527	G	R	0.107	Likely Benign
SCN1A	2	166852525	C	T	I527	G	R	0.107	Likely Benign
SCN1A	2	166852524	A	G	I527	G	V	0.251	Likely Benign
SCN1A	2	166852524	C	G	I527	G	A	0.112	Likely Benign
SCN1A	2	166852524	C	T	I527	G	E	0.134	Likely Benign
SCN1A	2	166852925	A	T	I528	N	I	0.982	Likely Pathoenic
SCN1A	2	166852925	T	C	I528	N	S	0.889	Likely Pathoenic
SCN1A	2	166852925	T	G	I528	N	T	0.982	Likely Pathoenic
SCN1A	2	166852924	G	C	I528	N	K	0.983	Likely Pathoenic
SCN1A	2	166852924	G	T	I528	N	K	0.980	Likely Pathoenic
SCN1A	2	166852923	T	C	I529	K	E	0.957	Likely Pathoenic
SCN1A	2	166852923	T	G	I529	K	Q	0.947	Likely Pathoenic
SCN1A	2	166852922	A	T	I529	K	I	0.912	Likely Pathoenic
SCN1A	2	166852922	T	C	I529	K	R	0.585	Likely Benign
SCN1A	2	166852922	T	G	I529	K	T	0.979	Likely Pathoenic
SCN1A	2	166852921	A	T	I529	N	N	0.952	Likely Pathoenic
SCN1A	2	166852921	T	G	I529	K	N	0.953	Likely Pathoenic
SCN1A	2	166852920	A	C	I530	F	V	0.302	Likely Benign
SCN1A	2	166852920	A	G	I530	F	L	0.181	Likely Benign
SCN1A	2	166852920	A	T	I530	F	I	0.141	Likely Benign
SCN1A	2	166852919	A	C	I530	F	C	0.358	Likely Benign
SCN1A	2	166852919	A	G	I530	F	S	0.931	Likely Pathoenic
SCN1A	2	166852919	A	T	I530	F	Y	0.289	Likely Benign
SCN1A	2	166852918	A	C	I530	F	L	0.184	Likely Benign
SCN1A	2	166852918	A	T	I530	F	L	0.190	Likely Benign
SCN1A	2	166852917	G	C	I531	Q	E	0.987	Likely Pathoenic
SCN1A	2	166852917	G	T	I531	Q	K	0.987	Likely Pathoenic
SCN1A	2	166852916	T	A	I531	Q	L	0.968	Likely Pathoenic
SCN1A	2	166852916	T	C	I531	Q	R	0.898	Likely Pathoenic
SCN1A	2	166852916	T	G	I531	Q	P	0.972	Likely Pathoenic
SCN1A	2	166852915	T	A	I531	Q	H	0.985	Likely Pathoenic
SCN1A	2	166852915	T	G	I531	Q	H	0.985	Likely Pathoenic
SCN1A	2	166852914	C	G	I532	G	R	0.958	Likely Pathoenic
SCN1A	2	166852914	C	T	I532	G	R	0.958	Likely Pathoenic
SCN1A	2	166852913	A	G	I532	G	V	0.984	Likely Pathoenic
SCN1A	2	166852913	C	G	I532	G	A	0.620	Likely Benign
SCN1A	2	166852913	C	T	I532	G	E	0.972	Likely Pathoenic
SCN1A	2	166852911	A	C	I533	M	L	0.071	Likely Benign
SCN1A	2	166852911	T	C	I533	M	V	0.164	Likely Benign
SCN1A	2	166852911	T	G	I533	M	L	0.071	Likely Benign
SCN1A	2	166852910	A	C	I533	M	R	0.512	Likely Benign
SCN1A	2	166852910	A	G	I533	M	T	0.581	Likely Benign
SCN1A	2	166852910	A	T	I533	M	K	0.468	Likely Benign
SCN1A	2	166852909	C	A	I533	M	I	0.172	Likely Benign
SCN1A	2	166852909	C	G	I533	M	I	0.169	Likely Benign
SCN1A	2	166852909	C	T	I533	M	I	0.174	Likely Benign
SCN1A	2	166852908	C	A	I534	V	F	0.843	Likely Pathoenic
SCN1A	2	166852908	C	G	I534	V	L	0.497	Likely Benign
SCN1A	2	166852908	C	T	I534	V	I	0.226	Likely Benign
SCN1A	2	166852907	A	C	I534	V	G	0.976	Likely Pathoenic
SCN1A	2	166852907	A	G	I534	V	A	0.919	Likely Pathoenic
SCN1A	2	166852907	A	T	I534	V	D	0.979	Likely Pathoenic
SCN1A	2	166852905	A	C	I535	F	V	0.982	Likely Pathoenic
SCN1A	2	166852905	A	G	I535	F	L	0.981	Likely Pathoenic
SCN1A	2	166852905	A	T	I535	F	I	0.984	Likely Pathoenic
SCN1A	2	166852904	A	C	I535	F	C	0.983	Likely Pathoenic
SCN1A	2	166852904	A	G	I535	F	S	0.985	Likely Pathoenic
SCN1A	2	166852904	A	T	I535	F	Y	0.684	Likely Benign
SCN1A	2	166852903	A	C	I535	F	L	0.977	Likely Pathoenic
SCN1A	2	166852903	A	T	I535	F	L	0.976	Likely Pathoenic
SCN1A	2	166852902	C	A	I536	D	Y	0.984	Likely Pathoenic
SCN1A	2	166852902	C	G	I536	D	H	0.983	Likely Pathoenic
SCN1A	2	166852902	C	T	I536	D	N	0.974	Likely Pathoenic
SCN1A	2	166852901	T	A	I536	D	V	0.988	Likely Pathoenic
SCN1A	2	166852901	T	C	I536	D	G	0.979	Likely Pathoenic
SCN1A	2	166852901	T	G	I536	D	A	0.987	Likely Pathoenic
SCN1A	2	166852900	C	A	I536	D	E	0.951	Likely Pathoenic
SCN1A	2	166852900	C	G	I536	D	E	0.951	Likely Pathoenic
SCN1A	2	166852899	A	C	I537	F	V	0.358	Likely Benign
SCN1A	2	166852899	A	G	I537	F	L	0.115	Likely Benign
SCN1A	2	166852899	A	T	I537	F	I	0.176	Likely Benign
SCN1A	2	166852898	A	C	I537	F	C	0.881	Likely Pathoenic
SCN1A	2	166852898	A	G	I537	F	S	0.948	Likely Pathoenic
SCN1A	2	166852898	A	T	I537	F	Y	0.800	Likely Pathoenic
SCN1A	2	166852897	G	C	I537	F	L	0.117	Likely Benign
SCN1A	2	166852897	G	T	I537	F	L	0.118	Likely Benign
SCN1A	2	166852896	C	A	I538	V	L	0.979	Likely Pathoenic
SCN1A	2	166852896	C	G	I538	V	L	0.978	Likely Pathoenic
SCN1A	2	166852896	C	T	I538	V	I	0.815	Likely Pathoenic
SCN1A	2	166852895	A	C	I538	V	G	0.981	Likely Pathoenic
SCN1A	2	166852895	A	G	I538	V	A	0.791	Likely Pathoenic
SCN1A	2	166852895	A	T	I538	V	E	0.979	Likely Pathoenic
SCN1A	2	166852893	T	A	I539	T	S	0.362	Likely Benign
SCN1A	2	166852893	T	C	I539	T	A	0.899	Likely Pathoenic
SCN1A	2	166852893	T	G	I539	T	P	0.966	Likely Pathoenic
SCN1A	2	166852892	G	A	I539	T	I	0.953	Likely Pathoenic
SCN1A	2	166852892	G	C	I539	T	S	0.452	Likely Benign
SCN1A	2	166852892	G	T	I539	T	N	0.897	Likely Pathoenic
SCN1A	2	166852890	T	C	I540	R	G	0.216	Likely Benign
SCN1A	2	166852889	C	A	I540	R	I	0.500	Likely Benign
SCN1A	2	166852889	C	G	I540	R	T	0.106	Likely Benign
SCN1A	2	166852889	C	T	I540	R	K	0.032	Likely Benign
SCN1A	2	166852888	T	A	I540	R	S	0.115	Likely Benign
SCN1A	2	166852888	T	G	I540	R	S	0.114	Likely Benign
SCN1A	2	166852887	C	G	I541	Q	E	0.985	Likely Pathoenic
SCN1A	2	166852887	G	T	I541	Q	K	0.946	Likely Pathoenic
SCN1A	2	166852886	T	A	I541	Q	L	0.987	Likely Pathoenic
SCN1A	2	166852886	T	C	I541	Q	R	0.935	Likely Pathoenic
SCN1A	2	166852886	T	G	I541	Q	P	0.961	Likely Pathoenic
SCN1A	2	166852885	T	A	I541	Q	H	0.984	Likely Pathoenic
SCN1A	2	166852885	T	G	I541	Q	H	0.984	Likely Pathoenic
SCN1A	2	166852884	A	C	I542	V	F	0.293	Likely Benign
SCN1A	2	166852884	C	G	I542	V	L	0.294	Likely Benign
SCN1A	2	166852884	C	T	I542	V	I	0.268	Likely Benign
SCN1A	2	166852883	A	C	I542	V	G	0.855	Likely Pathoenic
SCN1A	2	166852883	A	G	I542	V	A	0.125	Likely Benign
SCN1A	2	166852883	A	T	I542	V	D	0.847	Likely Pathoenic
SCN1A	2	166852881	A	C	I543	F	V	0.989	Likely Pathoenic
SCN1A	2	166852881	A	G	I543	F	L	0.988	Likely Pathoenic
SCN1A	2	166852881	A	T	I543	F	I	0.991	Likely Pathoenic
SCN1A	2	166852880	A	C	I543	F	C	0.992	Likely Pathoenic
SCN1A	2	166852880	A	G	I543	F	S	0.992	Likely Pathoenic
SCN1A	2	166852880	A	T	I543	F	Y	0.985	Likely Pathoenic
SCN1A	2	166852879	A	C	I543	F	L	0.986	Likely Pathoenic
SCN1A	2	166852879	A	T	I543	F	L	0.986	Likely Pathoenic
SCN1A	2	166852878	C	A	I544	D	Y	0.988	Likely Pathoenic
SCN1A	2	166852878	C	G	I544	D	H	0.989	Likely Pathoenic
SCN1A	2	166852878	C	T	I544	D	N	0.967	Likely Pathoenic
SCN1A	2	166852877	T	A	I544	D	V	0.989	Likely Pathoenic
SCN1A	2	166852877	T	C	I544	D	G	0.988	Likely Pathoenic
SCN1A	2	166852877	T	G	I544	A	A	0.988	Likely Pathoenic
SCN1A	2	166852876	G	C	I544	D	E	0.622	Likely Benign
SCN1A	2	166852876	G	T	I544	D	E	0.629	Likely Benign
SCN1A	2	166852875	T	A	I545	I	L	0.932	Likely Pathoenic
SCN1A	2	166852875	T	C	I545	I	V	0.436	Likely Benign
SCN1A	2	166852875	T	G	I545	I	L	0.928	Likely Pathoenic
SCN1A	2	166852874	A	C	I545	I	R	0.985	Likely Pathoenic
SCN1A	2	166852874	A	G	I545	I	T	0.958	Likely Pathoenic
SCN1A	2	166852874	A	T	I545	I	K	0.985	Likely Pathoenic
SCN1A	2	166852873	T	C	I545	I	M	0.902	Likely Pathoenic
SCN1A	2	166852872	T	A	I546	S	C	0.784	Likely Pathoenic
SCN1A	2	166852872	T	C	I546	S	G	0.336	Likely Benign
SCN1A	2	166852872	T	G	I546	S	R	0.663	Likely Benign
SCN1A	2	166852871	C	A	I546	S	I	0.204	Likely Benign
SCN1A	2	166852871	C	G	I546	S	T	0.181	Likely Benign
SCN1A	2	166852871	C	T	I546	S	N	0.500	Likely Benign
SCN1A	2	166852870	G	C	I546	S	R	0.786	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166237702	C	T	I516	P	S	0.974	Likely Pathogenic
SCN2A	2	166237703	A	G	I516	P	H	0.975	Likely Pathogenic
SCN2A	2	166237703	C	G	I516	P	R	0.978	Likely Pathogenic
SCN2A	2	166237703	C	T	I516	P	L	0.976	Likely Pathogenic
SCN2A	2	166237705	G	A	I517	A	T	0.052	Likely Benign
SCN2A	2	166237705	G	C	I517	A	P	0.135	Likely Benign
SCN2A	2	166237705	G	T	I517	A	S	0.077	Likely Benign
SCN2A	2	166237706	C	A	I517	A	D	0.141	Likely Benign
SCN2A	2	166237706	C	G	I517	A	G	0.107	Likely Benign
SCN2A	2	166237706	C	T	I517	A	V	0.225	Likely Benign
SCN2A	2	166243256	A	C	I518	N	H	0.923	Likely Pathogenic
SCN2A	2	166243256	A	G	I518	N	D	0.854	Likely Pathogenic
SCN2A	2	166243256	A	T	I518	N	Y	0.95	Likely Pathogenic
SCN2A	2	166243257	A	C	I518	N	T	0.944	Likely Pathogenic
SCN2A	2	166243257	A	G	I518	N	S	0.841	Likely Pathogenic
SCN2A	2	166243257	A	T	I518	N	I	0.946	Likely Pathogenic
SCN2A	2	166243258	C	A	I518	N	K	0.92	Likely Pathogenic
SCN2A	2	166243258	C	G	I518	N	K	0.941	Likely Pathogenic
SCN2A	2	166243259	A	C	I519	K	Q	0.796	Likely Pathogenic
SCN2A	2	166243259	A	G	I519	K	E	0.843	Likely Pathogenic
SCN2A	2	166243260	A	C	I519	K	T	0.886	Likely Pathogenic
SCN2A	2	166243260	A	G	I519	K	R	0.234	Likely Benign
SCN2A	2	166243260	A	T	I519	K	I	0.652	Likely Benign
SCN2A	2	166243261	A	C	I519	K	N	0.716	Likely Benign
SCN2A	2	166243261	A	T	I519	K	N	0.716	Likely Benign
SCN2A	2	166243262	T	A	I520	F	I	0.114	Likely Benign
SCN2A	2	166243262	T	C	I520	F	L	0.144	Likely Benign
SCN2A	2	166243262	T	G	I520	F	V	0.226	Likely Benign
SCN2A	2	166243263	T	A	I520	F	Y	0.282	Likely Benign
SCN2A	2	166243263	T	C	I520	F	S	0.754	Likely Benign
SCN2A	2	166243263	T	G	I520	F	C	0.3	Likely Benign
SCN2A	2	166243264	C	A	I520	F	L	0.144	Likely Benign
SCN2A	2	166243264	C	G	I520	F	L	0.142	Likely Benign
SCN2A	2	166243265	A	C	I521	Q	K	0.961	Likely Pathogenic
SCN2A	2	166243265	C	G	I521	Q	E	0.975	Likely Pathogenic
SCN2A	2	166243266	A	C	I521	Q	P	0.93	Likely Pathogenic
SCN2A	2	166243266	A	G	I521	Q	R	0.75	Likely Benign
SCN2A	2	166243266	A	T	I521	Q	L	0.939	Likely Pathogenic
SCN2A	2	166243267	A	C	I521	Q	H	0.972	Likely Pathogenic
SCN2A	2	166243267	A	T	I521	Q	H	0.972	Likely Pathogenic
SCN2A	2	166243268	G	A	I522	G	R	0.902	Likely Pathogenic
SCN2A	2	166243268	G	C	I522	G	R	0.903	Likely Pathogenic
SCN2A	2	166243269	G	A	I522	G	E	0.926	Likely Pathogenic
SCN2A	2	166243269	G	C	I522	G	A	0.348	Likely Benign
SCN2A	2	166243269	G	T	I522	G	V	0.964	Likely Pathogenic
SCN2A	2	166243271	A	C	I523	M	L	0.032	Likely Benign
SCN2A	2	166243271	A	G	I523	M	V	0.078	Likely Benign
SCN2A	2	166243271	A	T	I523	M	L	0.031	Likely Benign
SCN2A	2	166243272	T	A	I523	M	K	0.159	Likely Benign
SCN2A	2	166243272	T	C	I523	M	T	0.165	Likely Benign
SCN2A	2	166243272	T	G	I523	M	R	0.168	Likely Benign
SCN2A	2	166243273	G	A	I523	M	I	0.07	Likely Benign
SCN2A	2	166243273	G	C	I523	M	I	0.069	Likely Benign
SCN2A	2	166243273	G	T	I523	M	I	0.069	Likely Benign
SCN2A	2	166243274	G	A	I524	V	I	0.114	Likely Benign
SCN2A	2	166243274	G	C	I524	V	A	0.226	Likely Benign
SCN2A	2	166243274	G	T	I524	V	F	0.301	Likely Benign
SCN2A	2	166243275	T	A	I524	V	D	0.948	Likely Pathogenic
SCN2A	2	166243275	T	C	I524	V	A	0.764	Likely Benign
SCN2A	2	166243275	T	G	I524	V	G	0.949	Likely Pathogenic
SCN2A	2	166243277	T	A	I525	F	I	0.966	Likely Pathogenic
SCN2A	2	166243277	T	C	I525	F	L	0.966	Likely Pathogenic
SCN2A	2	166243277	T	G	I525	F	V	0.969	Likely Pathogenic
SCN2A	2	166243278	T	A	I525	F	Y	0.384	Likely Benign
SCN2A	2	166243278	T	C	I525	F	S	0.965	Likely Pathogenic
SCN2A	2	166243278	T	G	I525	F	C	0.963	Likely Pathogenic
SCN2A	2	166243279	T	A	I525	F	L	0.939	Likely Pathogenic
SCN2A	2	166243279	T	G	I525	F	L	0.942	Likely Pathogenic
SCN2A	2	166243280	A	C	I526	D	N	0.948	Likely Pathogenic
SCN2A	2	166243280	G	C	I526	D	H	0.977	Likely Pathogenic
SCN2A	2	166243280	G	T	I526	D	Y	0.98	Likely Pathogenic
SCN2A	2	166243281	A	C	I526	D	A	0.972	Likely Pathogenic
SCN2A	2	166243281	A	G	I526	D	G	0.966	Likely Pathogenic
SCN2A	2	166243281	A	T	I526	D	V	0.979	Likely Pathogenic
SCN2A	2	166243282	T	A	I526	D	E	0.792	Likely Pathogenic
SCN2A	2	166243282	T	G	I526	D	E	0.791	Likely Pathogenic
SCN2A	2	166243283	T	A	I527	F	I	0.123	Likely Benign
SCN2A	2	166243283	T	C	I527	F	L	0.087	Likely Benign
SCN2A	2	166243283	T	G	I527	F	V	0.266	Likely Benign
SCN2A	2	166243284	T	A	I527	F	Y	0.438	Likely Benign
SCN2A	2	166243284	T	C	I527	F	S	0.828	Likely Pathogenic
SCN2A	2	166243284	T	G	I527	F	C	0.617	Likely Benign
SCN2A	2	166243285	T	A	I527	F	L	0.082	Likely Benign
SCN2A	2	166243285	T	G	I527	F	L	0.082	Likely Benign
SCN2A	2	166243286	G	A	I528	V	I	0.24	Likely Benign
SCN2A	2	166243286	G	C	I528	V	L	0.919	Likely Pathogenic
SCN2A	2	166243286	G	T	I528	V	L	0.922	Likely Pathogenic
SCN2A	2	166243287	T	A	I528	V	E	0.967	Likely Pathogenic
SCN2A	2	166243287	T	C	I528	V	A	0.615	Likely Benign
SCN2A	2	166243287	T	G	I528	V	G	0.96	Likely Pathogenic
SCN2A	2	166243289	A	C	I529	T	P	0.925	Likely Pathogenic
SCN2A	2	166243289	A	G	I529	T	A	0.822	Likely Pathogenic
SCN2A	2	166243289	A	T	I529	T	S	0.217	Likely Benign
SCN2A	2	166243290	A	C	I529	T	N	0.689	Likely Benign
SCN2A	2	166243290	C	G	I529	T	S	0.209	Likely Benign
SCN2A	2	166243290	C	T	I529	T	I	0.788	Likely Pathogenic
SCN2A	2	166243292	A	C	I530	K	Q	0.191	Likely Benign
SCN2A	2	166243292	A	G	I530	K	E	0.723	Likely Pathogenic
SCN2A	2	166243293	A	C	I530	K	T	0.328	Likely Benign
SCN2A	2	166243293	A	G	I530	K	R	0.527	Likely Benign
SCN2A	2	166243293	A	T	I530	K	I	0.855	Likely Pathogenic
SCN2A	2	166243294	A	C	I530	K	N	0.246	Likely Benign
SCN2A	2	166243294	A	T	I530	K	N	0.249	Likely Benign
SCN2A	2	166243295	C	A	I531	Q	K	0.745	Likely Benign
SCN2A	2	166243295	C	G	I531	Q	E	0.983	Likely Pathogenic
SCN2A	2	166243296	A	C	I531	Q	P	0.942	Likely Pathogenic
SCN2A	2	166243296	A	G	I531	Q	R	0.841	Likely Pathogenic
SCN2A	2	166243296	A	T	I531	Q	L	0.982	Likely Pathogenic
SCN2A	2	166243297	A	C	I531	Q	H	0.965	Likely Pathogenic
SCN2A	2	166243297	A	T	I531	Q	H	0.965	Likely Pathogenic
SCN2A	2	166243298	G	A	I532	V	I	0.172	Likely Benign
SCN2A	2	166243298	G	C	I532	V	L	0.138	Likely Benign
SCN2A	2	166243298	G	T	I532	V	F	0.106	Likely Benign
SCN2A	2	166243299	T	A	I532	V	D	0.664	Likely Benign
SCN2A	2	166243299	T	C	I532	V	A	0.067	Likely Benign
SCN2A	2	166243299	T	G	I532	V	G	0.546	Likely Benign
SCN2A	2	166243301	A	C	I533	F	I	0.983	Likely Pathogenic
SCN2A	2	166243301	T	C	I533	F	L	0.977	Likely Pathogenic
SCN2A	2	166243301	T	G	I533	F	V	0.988	Likely Pathogenic
SCN2A	2	166243302	A	C	I533	F	Y	0.961	Likely Pathogenic
SCN2A	2	166243302	T	C	I533	F	S	0.982	Likely Pathogenic
SCN2A	2	166243302	T	G	I533	F	C	0.987	Likely Pathogenic
SCN2A	2	166243303	A	C	I533	F	L	0.97	Likely Pathogenic
SCN2A	2	166243303	T	G	I533	F	L	0.97	Likely Pathogenic
SCN2A	2	166243304	G	A	I534	D	N	0.962	Likely Pathogenic
SCN2A	2	166243304	G	C	I534	D	H	0.987	Likely Pathogenic
SCN2A	2	166243304	G	T	I534	D	Y	0.984	Likely Pathogenic
SCN2A	2	166243305	A	C	I534	D	A	0.982	Likely Pathogenic
SCN2A	2	166243305	G	A	I534	D	G	0.983	Likely Pathogenic
SCN2A	2	166243305	A	T	I534	D	V	0.987	Likely Pathogenic
SCN2A	2	166243306	T	A	I534	D	E	0.504	Likely Benign
SCN2A	2	166243306	T	G	I534	D	E	0.504	Likely Benign
SCN2A	2	166243307	A	C	I535	I	L	0.906	Likely Pathogenic
SCN2A	2	166243307	A	G	I535	I	V	0.398	Likely Benign
SCN2A	2	166243307	A	T	I535	I	F	0.786	Likely Pathogenic
SCN2A	2	166243308	A	C	I535	I	N	0.973	Likely Pathogenic
SCN2A	2	166243308	T	C	I535	I	T	0.891	Likely Pathogenic
SCN2A	2	166243308	T	G	I535	I	S	0.978	Likely Pathogenic
SCN2A	2	166243309	C	G	I535	I	M	0.726	Likely Pathogenic
SCN2A	2	166243310	A	C	I536	S	R	0.441	Likely Benign
SCN2A	2	166243310	A	G	I536	S	G	0.186	Likely Benign
SCN2A	2	166243310	A	T	I536	S	C	0.418	Likely Benign
SCN2A	2	166243311	G	A	I536	S	N	0.31	Likely Benign
SCN2A	2	166243311	G	C	I536	S	T	0.08	Likely Benign
SCN2A	2	166243311	G	T	I536	S	I	0.087	Likely Benign
SCN2A	2	166243312	C	A	I536	S	R	0.379	Likely Benign
SCN2A	2	166243312	C	G	I536	S	R	0.381	Likely Benign
SCN2A	2	166243313	A	C	I537	I	L	0.977	Likely Pathogenic
SCN2A	2	166243313	A	G	I537	I	V	0.726	Likely Pathogenic
SCN2A	2	166243313	A	T	I537	I	F	0.985	Likely Pathogenic
SCN2A	2	166243314	T	A	I537	I	N	0.986	Likely Pathogenic
SCN2A	2	166243314	T	C	I537	I	T	0.983	Likely Pathogenic
SCN2A	2	166243314	T	G	I537	I	S	0.971	Likely Pathogenic
SCN2A	2	166243315	C	G	I537	I	M	0.953	Likely Pathogenic
SCN2A	2	166243316	A	C	I538	M	L	0.881	Likely Pathogenic
SCN2A	2	166243316	A	G	I538	M	V	0.936	Likely Pathogenic
SCN2A	2	166243316	A	T	I538	M	L	0.881	Likely Pathogenic
SCN2A	2	166243317	T	A	I538	M	K	0.98	Likely Pathogenic
SCN2A	2	166243317	T	C	I538	M	T	0.945	Likely Pathogenic
SCN2A	2	166243317	T	G	I538	M	R	0.981	Likely Pathogenic
SCN2A	2	166243318	G	A	I538	M	I	0.957	Likely Pathogenic
SCN2A	2	166243318	G	C	I538	M	I	0.957	Likely Pathogenic
SCN2A	2	166243318	G	T	I538	M	I	0.957	Likely Pathogenic
SCN2A	2	166243

GENE	CHR	DNA_LOC	REF_N T	ALT_N NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166850870	G	T	1546	S	R	0.783	Likely Pathoenic
SCN1A	2	166850869	T	A	1547	I	F	0.990	Likely Pathoenic
SCN1A	2	166850869	T	C	1547	I	V	0.906	Likely Pathoenic
SCN1A	2	166850869	T	G	1547	I	L	0.986	Likely Pathoenic
SCN1A	2	166850868	A	C	1547	I	S	0.985	Likely Pathoenic
SCN1A	2	166850868	A	G	1547	I	T	0.991	Likely Pathoenic
SCN1A	2	166850868	A	T	1547	I	N	0.991	Likely Pathoenic
SCN1A	2	166850867	G	C	1547	I	M	0.987	Likely Pathoenic
SCN1A	2	166850867	T	A	1548	M	L	0.942	Likely Pathoenic
SCN1A	2	166850866	T	C	1548	M	V	0.962	Likely Pathoenic
SCN1A	2	166850866	T	G	1548	M	L	0.943	Likely Pathoenic
SCN1A	2	166850865	A	C	1548	M	R	0.988	Likely Pathoenic
SCN1A	2	166850865	A	G	1548	M	T	0.970	Likely Pathoenic
SCN1A	2	166850865	A	T	1548	M	K	0.988	Likely Pathoenic
SCN1A	2	166850864	C	A	1548	M	I	0.959	Likely Pathoenic
SCN1A	2	166850864	C	G	1548	M	I	0.956	Likely Pathoenic
SCN1A	2	166850864	C	T	1548	M	I	0.957	Likely Pathoenic
SCN1A	2	166850863	T	A	1549	I	F	0.567	Likely Benign
SCN1A	2	166850863	T	C	1549	I	V	0.111	Likely Benign
SCN1A	2	166850863	T	G	1549	I	L	0.282	Likely Benign
SCN1A	2	166850862	A	C	1549	I	S	0.838	Likely Pathoenic
SCN1A	2	166850862	A	G	1549	I	T	0.695	Likely Benign
SCN1A	2	166850862	A	T	1549	I	N	0.961	Likely Pathoenic
SCN1A	2	166850861	A	C	1549	I	M	0.559	Likely Benign
SCN1A	2	166850860	G	A	1550	L	F	0.913	Likely Pathoenic
SCN1A	2	166850860	G	C	1550	L	V	0.947	Likely Pathoenic
SCN1A	2	166850860	G	T	1550	L	I	0.942	Likely Pathoenic
SCN1A	2	166850859	A	C	1550	L	R	0.989	Likely Pathoenic
SCN1A	2	166850859	A	G	1550	L	P	0.988	Likely Pathoenic
SCN1A	2	166850859	A	T	1550	L	H	0.989	Likely Pathoenic
SCN1A	2	166850857	T	A	1551	I	F	0.992	Likely Pathoenic
SCN1A	2	166850857	T	C	1551	I	V	0.981	Likely Pathoenic
SCN1A	2	166850857	T	G	1551	I	L	0.977	Likely Pathoenic
SCN1A	2	166850856	A	C	1551	I	S	0.992	Likely Pathoenic
SCN1A	2	166850856	A	G	1551	I	T	0.989	Likely Pathoenic
SCN1A	2	166850856	A	T	1551	I	N	0.992	Likely Pathoenic
SCN1A	2	166850855	G	C	1551	I	M	0.991	Likely Pathoenic
SCN1A	2	166850854	A	C	1552	C	G	0.991	Likely Pathoenic
SCN1A	2	166850854	A	G	1552	C	R	0.795	Likely Pathoenic
SCN1A	2	166850854	A	T	1552	C	S	0.974	Likely Pathoenic
SCN1A	2	166850853	C	A	1552	C	F	0.925	Likely Pathoenic
SCN1A	2	166850853	C	G	1552	C	S	0.955	Likely Pathoenic
SCN1A	2	166850853	C	T	1552	C	Y	0.979	Likely Pathoenic
SCN1A	2	166850852	A	C	1552	C	W	0.983	Likely Pathoenic
SCN1A	2	166850851	G	A	1553	L	F	0.635	Likely Benign
SCN1A	2	166850851	G	C	1553	L	V	0.875	Likely Pathoenic
SCN1A	2	166850851	G	T	1553	L	I	0.958	Likely Pathoenic
SCN1A	2	166850850	A	C	1553	L	R	0.910	Likely Pathoenic
SCN1A	2	166850850	A	G	1553	L	P	0.989	Likely Pathoenic
SCN1A	2	166850850	A	T	1553	L	H	0.990	Likely Pathoenic
SCN1A	2	166850848	T	A	1554	N	Y	0.989	Likely Pathoenic
SCN1A	2	166850848	T	C	1554	N	D	0.991	Likely Pathoenic
SCN1A	2	166850848	T	G	1554	N	H	0.989	Likely Pathoenic
SCN1A	2	166850847	T	A	1554	N	I	0.991	Likely Pathoenic
SCN1A	2	166850847	T	C	1554	N	S	0.980	Likely Pathoenic
SCN1A	2	166850847	T	G	1554	N	T	0.991	Likely Pathoenic
SCN1A	2	166850846	G	C	1554	N	K	0.988	Likely Pathoenic
SCN1A	2	166850846	G	T	1554	N	K	0.988	Likely Pathoenic
SCN1A	2	166850845	T	A	1555	M	L	0.974	Likely Pathoenic
SCN1A	2	166850845	T	C	1555	M	V	0.965	Likely Pathoenic
SCN1A	2	166850845	T	G	1555	M	L	0.975	Likely Pathoenic
SCN1A	2	166850844	A	C	1555	M	R	0.988	Likely Pathoenic
SCN1A	2	166850844	A	G	1555	M	T	0.971	Likely Pathoenic
SCN1A	2	166850844	A	T	1555	M	K	0.980	Likely Pathoenic
SCN1A	2	166850843	C	A	1555	M	I	0.972	Likely Pathoenic
SCN1A	2	166850843	C	G	1555	M	I	0.973	Likely Pathoenic
SCN1A	2	166850843	C	T	1555	M	I	0.972	Likely Pathoenic
SCN1A	2	166850842	C	A	1556	V	F	0.927	Likely Pathoenic
SCN1A	2	166850842	C	G	1556	V	L	0.497	Likely Benign
SCN1A	2	166850842	C	T	1556	V	I	0.285	Likely Benign
SCN1A	2	166850841	A	C	1556	V	G	0.971	Likely Pathoenic
SCN1A	2	166850841	A	G	1556	V	A	0.960	Likely Pathoenic
SCN1A	2	166850841	A	T	1556	V	D	0.986	Likely Pathoenic
SCN1A	2	166850839	T	A	1557	T	S	0.862	Likely Pathoenic
SCN1A	2	166850839	T	C	1557	T	A	0.863	Likely Pathoenic
SCN1A	2	166850839	T	G	1557	T	P	0.969	Likely Pathoenic
SCN1A	2	166850838	G	A	1557	T	I	0.972	Likely Pathoenic
SCN1A	2	166850838	G	C	1557	T	R	0.988	Likely Pathoenic
SCN1A	2	166850838	G	T	1557	T	K	0.987	Likely Pathoenic
SCN1A	2	166850836	T	A	1558	M	L	0.962	Likely Pathoenic
SCN1A	2	166850836	T	C	1558	M	V	0.989	Likely Pathoenic
SCN1A	2	166850836	T	G	1558	M	L	0.962	Likely Pathoenic
SCN1A	2	166850835	A	C	1558	M	R	0.989	Likely Pathoenic
SCN1A	2	166850835	A	G	1558	M	T	0.988	Likely Pathoenic
SCN1A	2	166850835	A	T	1558	M	K	0.989	Likely Pathoenic
SCN1A	2	166850834	C	A	1558	M	I	0.973	Likely Pathoenic
SCN1A	2	166850834	C	G	1558	M	I	0.972	Likely Pathoenic
SCN1A	2	166850834	C	T	1558	M	I	0.972	Likely Pathoenic
SCN1A	2	166850833	T	A	1559	M	L	0.964	Likely Pathoenic
SCN1A	2	166850833	T	C	1559	M	V	0.973	Likely Pathoenic
SCN1A	2	166850833	T	G	1559	M	L	0.964	Likely Pathoenic
SCN1A	2	166850832	A	C	1559	M	R	0.988	Likely Pathoenic
SCN1A	2	166850832	A	G	1559	M	T	0.952	Likely Pathoenic
SCN1A	2	166850832	A	T	1559	M	K	0.988	Likely Pathoenic
SCN1A	2	166850831	C	A	1559	M	I	0.988	Likely Pathoenic
SCN1A	2	166850831	C	G	1559	M	I	0.988	Likely Pathoenic
SCN1A	2	166850831	C	T	1559	M	I	0.988	Likely Pathoenic
SCN1A	2	166850830	A	C	1560	V	L	0.443	Likely Benign
SCN1A	2	166850830	C	G	1560	V	L	0.440	Likely Benign
SCN1A	2	166850830	C	T	1560	V	M	0.729	Likely Benign
SCN1A	2	166850829	A	C	1560	V	G	0.982	Likely Pathoenic
SCN1A	2	166850829	A	G	1560	V	A	0.862	Likely Pathoenic
SCN1A	2	166850829	A	T	1560	V	E	0.981	Likely Pathoenic
SCN1A	2	166850827	C	G	1561	E	Q	0.971	Likely Pathoenic
SCN1A	2	166850827	C	T	1561	E	K	0.991	Likely Pathoenic
SCN1A	2	166850826	T	A	1561	E	V	0.986	Likely Pathoenic
SCN1A	2	166850826	T	C	1561	E	G	0.990	Likely Pathoenic
SCN1A	2	166850826	T	G	1561	E	A	0.977	Likely Pathoenic
SCN1A	2	166850825	T	A	1561	E	D	0.952	Likely Pathoenic
SCN1A	2	166850825	T	C	1561	E	D	0.951	Likely Pathoenic
SCN1A	2	166850824	T	A	1562	T	S	0.647	Likely Benign
SCN1A	2	166850824	T	C	1562	T	A	0.709	Likely Benign
SCN1A	2	166850824	T	G	1562	T	P	0.969	Likely Pathoenic
SCN1A	2	166850823	G	A	1562	T	I	0.977	Likely Pathoenic
SCN1A	2	166850823	G	C	1562	T	R	0.961	Likely Pathoenic
SCN1A	2	166850823	G	T	1562	T	K	0.904	Likely Pathoenic
SCN1A	2	166850821	A	C	1563	D	Y	0.776	Likely Benign
SCN1A	2	166850821	A	G	1563	D	H	0.936	Likely Pathoenic
SCN1A	2	166850821	C	T	1563	D	N	0.974	Likely Pathoenic
SCN1A	2	166850820	A	C	1563	D	V	0.963	Likely Pathoenic
SCN1A	2	166850820	T	C	1563	D	G	0.953	Likely Pathoenic
SCN1A	2	166850820	T	G	1563	D	A	0.886	Likely Pathoenic
SCN1A	2	166850819	A	C	1563	D	E	0.415	Likely Benign
SCN1A	2	166850819	A	T	1563	D	E	0.444	Likely Benign
SCN1A	2	166850818	C	A	1564	D	Y	0.981	Likely Pathoenic
SCN1A	2	166850818	C	G	1564	D	H	0.967	Likely Pathoenic
SCN1A	2	166850818	C	T	1564	D	N	0.883	Likely Pathoenic
SCN1A	2	166850817	T	A	1564	D	V	0.970	Likely Pathoenic
SCN1A	2	166850817	T	C	1564	D	G	0.752	Likely Benign
SCN1A	2	166850817	T	G	1564	D	A	0.970	Likely Pathoenic
SCN1A	2	166850816	G	C	1564	D	E	0.287	Likely Benign
SCN1A	2	166850816	G	T	1564	D	E	0.289	Likely Benign
SCN1A	2	166850815	G	C	1565	Q	E	0.962	Likely Pathoenic
SCN1A	2	166850815	G	T	1565	Q	K	0.989	Likely Pathoenic
SCN1A	2	166850814	T	A	1565	Q	L	0.968	Likely Pathoenic
SCN1A	2	166850814	T	C	1565	Q	R	0.981	Likely Pathoenic
SCN1A	2	166850814	T	G	1565	Q	P	0.968	Likely Pathoenic
SCN1A	2	166850813	C	A	1565	Q	H	0.974	Likely Pathoenic
SCN1A	2	166850813	C	G	1565	Q	H	0.973	Likely Pathoenic
SCN1A	2	166850812	T	A	1566	S	C	0.982	Likely Pathoenic
SCN1A	2	166850812	T	C	1566	S	G	0.868	Likely Pathoenic
SCN1A	2	166850812	T	G	1566	S	R	0.966	Likely Pathoenic
SCN1A	2	166850811	C	A	1566	S	I	0.988	Likely Pathoenic
SCN1A	2	166850811	C	G	1566	S	T	0.687	Likely Benign
SCN1A	2	166850811	C	T	1566	S	N	0.968	Likely Pathoenic
SCN1A	2	166850810	A	C	1566	S	R	0.980	Likely Pathoenic
SCN1A	2	166850810	A	T	1566	S	R	0.980	Likely Pathoenic
SCN1A	2	166850809	C	G	1567	E	Q	0.161	Likely Benign
SCN1A	2	166850809	C	T	1567	E	K	0.201	Likely Benign
SCN1A	2	166850808	T	A	1567	E	V	0.660	Likely Benign
SCN1A	2	166850808	T	C	1567	E	G	0.412	Likely Benign
SCN1A	2	166850808	T	G	1567	E	A	0.229	Likely Benign
SCN1A	2	166850807	T	A	1567	E	D	0.235	Likely Benign
SCN1A	2	166850807	T	G	1567	E	D	0.237	Likely Benign
SCN1A	2	166850806	A	C	1568	Y	D	0.176	Likely Benign
SCN1A	2	166850806	A	G	1568	Y	H	0.235	Likely Benign
SCN1A	2	166850806	A	T	1568	Y	N	0.178	Likely Benign
SCN1A	2	166850805	T	A	1568	Y	F	0.269	Likely Benign
SCN1A	2	166850805	T	C	1568	Y	C	0.436	Likely Benign
SCN1A	2	166850805	T	G	1568	Y	S	0.172	Likely Benign
SCN1A	2	166850803	C	A	1569	V	L	0.183	Likely Benign
SCN1A	2	166850803	C	G	1569	V	L	0.182	Likely Benign
SCN1A	2	166850803	C	T	1569	V	M	0.164	Likely Benign
SCN1A	2	166850802	A	C	1569	V	G	0.499	Likely Benign
SCN1A	2	166850802	A	G	1569	V	A	0.269	Likely Benign
SCN1A	2	166850802	A	T	1569	V	E	0.452	Likely Benign
SCN1A	2	166850800	T	A	1570	T	S	0.296	Likely Benign
SCN1A	2	166850800	T	C	1570	T	A	0.433	Likely Benign
SCN1A	2	166850800	T	G	1570	T	P	0.835	Likely Pathoenic
SCN1A	2	166850799	G	A	1570	T	I	0.289	Likely Benign
SCN1A	2	166850799	G	C	1570	T	S	0.259	Likely Benign
SCN1A	2	166850799	G	T	1570	T	N	0.295	Likely Benign
SCN1A	2	166850797	T	A	1571	T	S	0.226	Likely Benign
SCN1A	2	166850797	T	C	1571	T	A	0.201	Likely Benign
SCN1A	2	166850797	T	G	1571	T	P	0.325	Likely Benign
SCN1A	2	166850796	G	A	1571	T	I	0.259	Likely Benign
SCN1A	2	166850796	G	C	1571	T	S	0.194	Likely Benign
SCN1A	2	166850796	G	T	1571	T	N	0.108	Likely Benign
SCN1A	2	166850794	T	A	1572	I	F	0.839	Likely Pathoenic
SCN1A	2	166850794	T	C	1572	I	V	0.207	Likely Benign
SCN1A	2	166850794	T	G	1572	I	L	0.567	Likely Benign
SCN1A	2	166850793	A	C	1572	I	S	0.908	Likely Pathoenic
SCN1A	2	166850793	A	G	1572	I	T	0.488	Likely Benign
SCN1A	2	166850793	A	T	1572	I	N	0.447	Likely Benign
SCN1A	2	166850792	A	C	1572	I	M	0.806	Likely Pathoenic
SCN1A	2	166850791	A	C	1573	L	V	0.987	Likely Pathoenic
SCN1A	2	166850791	A	T	1573	L	M	0.985	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166243329	G	C	1542	C	S	0.942	Likely Pathogenic
SCN2A	2	166243329	G	T	1542	C	F	0.763	Likely Benign
SCN2A	2	166243330	C	G	1542	C	W	0.81	Likely Pathogenic
SCN2A	2	166243331	C	A	1543	L	I	0.76	Likely Benign
SCN2A	2	166243331	C	G	1543	L	V	0.919	Likely Pathogenic
SCN2A	2	166243331	C	T	1543	L	F	0.755	Likely Benign
SCN2A	2	166243332	T	A	1543	L	H	0.98	Likely Pathogenic
SCN2A	2	166243332	T	C	1543	L	P	0.986	Likely Pathogenic
SCN2A	2	166243332	T	G	1543	L	R	0.979	Likely Pathogenic
SCN2A	2	166243334	A	C	1544	N	H	0.984	Likely Pathogenic
SCN2A	2	166243334	A	G	1544	N	D	98.	Likely Pathogenic
SCN2A	2	166243334	A	T	1544	N	Y	0.987	Likely Pathogenic
SCN2A	2	166243335	A	C	1544	N	T	0.984	Likely Pathogenic
SCN2A	2	166243335	A	G	1544	N	S	0.957	Likely Pathogenic
SCN2A	2	166243335	A	T	1544	N	I	0.987	Likely Pathogenic
SCN2A	2	166243336	C	A	1544	N	K	0.965	Likely Pathogenic
SCN2A	2	166243336	C	G	1544	N	K	0.965	Likely Pathogenic
SCN2A	2	166243337	A	C	1545	M	L	0.963	Likely Pathogenic
SCN2A	2	166243337	A	G	1545	M	V	0.938	Likely Pathogenic
SCN2A	2	166243337	A	T	1545	M	L	0.963	Likely Pathogenic
SCN2A	2	166243338	T	A	1545	M	K	0.96	Likely Pathogenic
SCN2A	2	166243338	T	C	1545	M	T	0.924	Likely Pathogenic
SCN2A	2	166243338	T	G	1545	M	R	0.98	Likely Pathogenic
SCN2A	2	166243339	G	A	1545	M	I	0.923	Likely Pathogenic
SCN2A	2	166243339	G	C	1545	M	I	0.923	Likely Pathogenic
SCN2A	2	166243339	G	T	1545	M	I	0.923	Likely Pathogenic
SCN2A	2	166243340	G	A	1546	V	I	0.273	Likely Benign
SCN2A	2	166243340	G	C	1546	V	L	0.64	Likely Benign
SCN2A	2	166243340	G	T	1546	V	F	0.924	Likely Pathogenic
SCN2A	2	166243341	T	A	1546	V	D	0.981	Likely Pathogenic
SCN2A	2	166243341	T	C	1546	V	A	0.945	Likely Pathogenic
SCN2A	2	166243341	T	G	1546	V	G	0.953	Likely Pathogenic
SCN2A	2	166243343	A	C	1547	T	P	0.968	Likely Pathogenic
SCN2A	2	166243343	A	G	1547	T	A	0.821	Likely Pathogenic
SCN2A	2	166243343	A	T	1547	T	S	0.895	Likely Pathogenic
SCN2A	2	166243344	C	A	1547	T	N	0.985	Likely Pathogenic
SCN2A	2	166243344	C	G	1547	T	S	0.924	Likely Pathogenic
SCN2A	2	166243344	C	T	1547	T	I	0.967	Likely Pathogenic
SCN2A	2	166243346	A	C	1548	M	L	0.808	Likely Pathogenic
SCN2A	2	166243346	A	G	1548	M	V	0.979	Likely Pathogenic
SCN2A	2	166243346	A	T	1548	M	L	0.808	Likely Pathogenic
SCN2A	2	166243347	T	A	1548	M	K	0.982	Likely Pathogenic
SCN2A	2	166243347	T	C	1548	M	T	0.969	Likely Pathogenic
SCN2A	2	166243347	T	G	1548	M	R	0.983	Likely Pathogenic
SCN2A	2	166243348	G	A	1548	M	I	0.965	Likely Pathogenic
SCN2A	2	166243348	G	C	1548	M	I	0.965	Likely Pathogenic
SCN2A	2	166243348	G	T	1548	M	I	0.965	Likely Pathogenic
SCN2A	2	166243349	A	C	1549	M	L	0.873	Likely Pathogenic
SCN2A	2	166243349	A	G	1549	M	V	0.968	Likely Pathogenic
SCN2A	2	166243349	A	T	1549	M	L	0.873	Likely Pathogenic
SCN2A	2	166243350	T	A	1549	M	K	0.979	Likely Pathogenic
SCN2A	2	166243350	T	C	1549	M	T	0.889	Likely Pathogenic
SCN2A	2	166243350	T	G	1549	M	R	0.981	Likely Pathogenic
SCN2A	2	166243351	G	A	1549	M	I	0.98	Likely Pathogenic
SCN2A	2	166243351	G	C	1549	M	I	0.98	Likely Pathogenic
SCN2A	2	166243351	G	T	1549	M	I	0.98	Likely Pathogenic
SCN2A	2	166243352	G	A	1550	V	M	0.508	Likely Benign
SCN2A	2	166243352	G	C	1550	V	L	0.325	Likely Benign
SCN2A	2	166243352	G	T	1550	V	L	0.325	Likely Benign
SCN2A	2	166243353	T	A	1550	V	E	0.97	Likely Pathogenic
SCN2A	2	166243353	T	C	1550	V	A	0.812	Likely Pathogenic
SCN2A	2	166243353	T	G	1550	V	G	0.967	Likely Pathogenic
SCN2A	2	166243355	A	G	1551	E	K	0.976	Likely Pathogenic
SCN2A	2	166243355	G	C	1551	E	Q	0.958	Likely Pathogenic
SCN2A	2	166243356	A	C	1551	E	A	0.958	Likely Pathogenic
SCN2A	2	166243356	A	G	1551	E	G	0.983	Likely Pathogenic
SCN2A	2	166243356	A	T	1551	E	V	0.971	Likely Pathogenic
SCN2A	2	166243357	A	C	1551	E	D	0.771	Likely Benign
SCN2A	2	166243357	A	T	1551	E	D	0.77	Likely Benign
SCN2A	2	166243358	A	C	1552	T	P	0.922	Likely Pathogenic
SCN2A	2	166243358	A	G	1552	T	A	0.727	Likely Benign
SCN2A	2	166243358	A	T	1552	T	S	0.553	Likely Benign
SCN2A	2	166243359	C	A	1552	T	N	0.82	Likely Pathogenic
SCN2A	2	166243359	C	G	1552	T	S	0.575	Likely Benign
SCN2A	2	166243359	C	T	1552	T	I	0.899	Likely Pathogenic
SCN2A	2	166243361	G	A	1553	D	N	0.657	Likely Benign
SCN2A	2	166243361	G	C	1553	D	H	0.531	Likely Benign
SCN2A	2	166243361	G	T	1553	D	Y	0.324	Likely Benign
SCN2A	2	166243362	A	C	1553	D	A	0.509	Likely Benign
SCN2A	2	166243362	A	G	1553	D	G	0.849	Likely Pathogenic
SCN2A	2	166243362	A	T	1553	D	V	0.868	Likely Pathogenic
SCN2A	2	166243363	T	A	1553	D	E	0.371	Likely Benign
SCN2A	2	166243363	T	G	1553	D	E	0.373	Likely Benign
SCN2A	2	166243364	G	A	1554	D	N	0.645	Likely Benign
SCN2A	2	166243364	G	C	1554	D	H	0.874	Likely Pathogenic
SCN2A	2	166243364	G	T	1554	D	Y	0.905	Likely Pathogenic
SCN2A	2	166243365	A	C	1554	D	A	0.893	Likely Pathogenic
SCN2A	2	166243365	A	G	1554	D	G	0.54	Likely Benign
SCN2A	2	166243365	A	T	1554	D	V	0.93	Likely Pathogenic
SCN2A	2	166243366	C	A	1554	D	E	0.225	Likely Benign
SCN2A	2	166243366	C	G	1554	D	E	0.224	Likely Benign
SCN2A	2	166243367	C	A	1555	Q	K	0.98	Likely Pathogenic
SCN2A	2	166243367	C	G	1555	Q	E	0.882	Likely Pathogenic
SCN2A	2	166243367	C	T	1555	Q	P	0.956	Likely Pathogenic
SCN2A	2	166243368	A	G	1555	Q	R	0.97	Likely Pathogenic
SCN2A	2	166243368	A	T	1555	Q	L	0.973	Likely Pathogenic
SCN2A	2	166243369	C	C	1555	Q	H	0.913	Likely Pathogenic
SCN2A	2	166243369	C	T	1555	Q	H	0.914	Likely Pathogenic
SCN2A	2	166243370	A	C	1556	S	R	0.919	Likely Pathogenic
SCN2A	2	166243370	A	G	1556	S	G	0.859	Likely Pathogenic
SCN2A	2	166243370	A	T	1556	S	C	0.966	Likely Pathogenic
SCN2A	2	166243371	G	A	1556	S	N	0.756	Likely Benign
SCN2A	2	166243371	G	C	1556	S	T	0.357	Likely Benign
SCN2A	2	166243371	G	T	1556	S	I	0.946	Likely Pathogenic
SCN2A	2	166243372	T	A	1556	S	R	0.93	Likely Pathogenic
SCN2A	2	166243372	T	G	1556	S	R	0.927	Likely Pathogenic
SCN2A	2	166243373	C	A	1557	Q	K	0.143	Likely Benign
SCN2A	2	166243373	C	G	1557	Q	E	0.108	Likely Benign
SCN2A	2	166243374	A	C	1557	Q	P	0.156	Likely Benign
SCN2A	2	166243374	A	G	1557	Q	R	0.33	Likely Benign
SCN2A	2	166243374	A	T	1557	Q	L	0.28	Likely Benign
SCN2A	2	166243375	A	C	1557	Q	H	0.388	Likely Benign
SCN2A	2	166243375	A	T	1557	Q	H	0.394	Likely Benign
SCN2A	2	166243376	G	A	1558	E	K	0.311	Likely Benign
SCN2A	2	166243376	G	C	1558	E	Q	0.264	Likely Benign
SCN2A	2	166243377	A	C	1558	E	A	0.394	Likely Benign
SCN2A	2	166243377	A	G	1558	E	G	0.656	Likely Benign
SCN2A	2	166243377	A	T	1558	E	G	0.412	Likely Benign
SCN2A	2	166243378	A	C	1558	E	D	0.258	Likely Benign
SCN2A	2	166243378	A	T	1558	E	D	0.258	Likely Benign
SCN2A	2	166243379	A	C	1559	M	L	0.24	Likely Benign
SCN2A	2	166243379	A	G	1559	M	V	0.226	Likely Benign
SCN2A	2	166243379	A	T	1559	M	L	0.24	Likely Benign
SCN2A	2	166243380	T	A	1559	M	K	0.132	Likely Benign
SCN2A	2	166243380	T	C	1559	M	T	0.167	Likely Benign
SCN2A	2	166243380	T	G	1559	M	R	0.643	Likely Benign
SCN2A	2	166243381	G	A	1559	M	I	0.243	Likely Benign
SCN2A	2	166243381	G	C	1559	M	I	0.235	Likely Benign
SCN2A	2	166243381	G	T	1559	M	I	0.243	Likely Benign
SCN2A	2	166243382	A	C	1560	T	P	0.738	Likely Benign
SCN2A	2	166243382	A	G	1560	T	A	0.36	Likely Benign
SCN2A	2	166243382	A	T	1560	T	S	0.235	Likely Benign
SCN2A	2	166243383	C	A	1560	T	K	0.195	Likely Benign
SCN2A	2	166243383	C	G	1560	T	R	0.39	Likely Benign
SCN2A	2	166243383	C	T	1560	T	I	0.282	Likely Benign
SCN2A	2	166243385	A	C	1561	N	H	0.247	Likely Benign
SCN2A	2	166243385	A	G	1561	N	D	0.163	Likely Benign
SCN2A	2	166243385	A	T	1561	N	Y	0.36	Likely Benign
SCN2A	2	166243386	C	G	1561	N	T	0.22	Likely Benign
SCN2A	2	166243386	A	G	1561	N	S	0.255	Likely Benign
SCN2A	2	166243386	A	T	1561	N	I	0.352	Likely Benign
SCN2A	2	166243387	C	A	1561	N	K	0.251	Likely Benign
SCN2A	2	166243387	C	G	1561	N	K	0.249	Likely Benign
SCN2A	2	166243388	A	C	1562	I	L	0.491	Likely Benign
SCN2A	2	166243388	A	G	1562	I	V	0.182	Likely Benign
SCN2A	2	166243388	A	T	1562	I	F	0.65	Likely Benign
SCN2A	2	166243389	T	A	1562	I	N	0.523	Likely Benign
SCN2A	2	166243389	T	C	1562	I	T	0.507	Likely Benign
SCN2A	2

GENE	CHR	DNA_LOC	REF_N T	ALT_NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166850790	A	C	1573	L	W	0.992	Likely Pathoenic
SCN1A	2	166850790	A	G	1573	L	S	0.990	Likely Pathoenic
SCN1A	2	166850789	C	A	1573	L	F	0.987	Likely Pathoenic
SCN1A	2	166850789	C	G	1573	L	F	0.987	Likely Pathoenic
SCN1A	2	166850788	A	C	1574	S	A	0.171	Likely Benign
SCN1A	2	166850788	A	G	1574	S	P	0.318	Likely Benign
SCN1A	2	166850788	A	T	1574	S	T	0.250	Likely Benign
SCN1A	2	166850787	G	A	1574	S	L	0.248	Likely Benign
SCN1A	2	166850787	G	A	1575	R	C	0.274	Likely Benign
SCN1A	2	166850785	G	C	1575	R	G	0.314	Likely Benign
SCN1A	2	166850785	G	T	1575	R	S	0.285	Likely Benign
SCN1A	2	166850784	A	C	1575	R	L	0.294	Likely Benign
SCN1A	2	166850784	C	G	1575	R	P	0.741	Likely Benign
SCN1A	2	166850784	C	T	1575	R	H	0.372	Likely Benign
SCN1A	2	166850782	T	A	1576	I	F	0.924	Likely Pathoenic
SCN1A	2	166850782	T	C	1576	I	V	0.578	Likely Benign
SCN1A	2	166850782	T	G	1576	I	L	0.593	Likely Benign
SCN1A	2	166850781	A	C	1576	I	S	0.962	Likely Pathoenic
SCN1A	2	166850781	A	G	1576	I	T	0.947	Likely Pathoenic
SCN1A	2	166850781	A	T	1576	I	N	0.989	Likely Pathoenic
SCN1A	2	166850780	G	C	1576	I	M	0.935	Likely Pathoenic
SCN1A	2	166850779	T	A	1577	N	Y	0.983	Likely Pathoenic
SCN1A	2	166850779	T	C	1577	N	D	0.894	Likely Pathoenic
SCN1A	2	166850779	T	G	1577	N	H	0.989	Likely Pathoenic
SCN1A	2	166850778	T	A	1577	N	I	0.993	Likely Pathoenic
SCN1A	2	166850778	T	C	1577	N	S	0.986	Likely Pathoenic
SCN1A	2	166850778	T	G	1577	N	T	0.992	Likely Pathoenic
SCN1A	2	166850777	A	C	1577	N	K	0.992	Likely Pathoenic
SCN1A	2	166850777	A	T	1577	N	K	0.992	Likely Pathoenic
SCN1A	2	166850776	G	C	1578	L	V	0.444	Likely Benign
SCN1A	2	166850776	G	T	1578	L	M	0.656	Likely Benign
SCN1A	2	166850775	A	C	1578	L	R	0.948	Likely Pathoenic
SCN1A	2	166850775	A	G	1578	L	P	0.979	Likely Pathoenic
SCN1A	2	166850775	A	T	1578	L	Q	0.920	Likely Pathoenic
SCN1A	2	166850773	C	A	1579	V	L	0.576	Likely Benign
SCN1A	2	166850773	C	G	1579	V	L	0.567	Likely Benign
SCN1A	2	166850773	C	T	1579	V	M	0.958	Likely Pathoenic
SCN1A	2	166850772	A	C	1579	V	G	0.943	Likely Pathoenic
SCN1A	2	166850772	A	G	1579	V	A	0.598	Likely Benign
SCN1A	2	166850772	A	T	1579	V	E	0.988	Likely Pathoenic
SCN1A	2	166850770	A	C	1580	F	V	0.988	Likely Pathoenic
SCN1A	2	166850770	A	G	1580	F	L	0.982	Likely Pathoenic
SCN1A	2	166850770	A	T	1580	F	I	0.976	Likely Pathoenic
SCN1A	2	166850769	A	C	1580	F	C	0.988	Likely Pathoenic
SCN1A	2	166850769	A	G	1580	F	S	0.996	Likely Pathoenic
SCN1A	2	166850769	A	T	1580	F	Y	0.992	Likely Pathoenic
SCN1A	2	166850768	C	G	1580	F	L	0.980	Likely Pathoenic
SCN1A	2	166850768	G	T	1580	F	L	0.980	Likely Pathoenic
SCN1A	2	166850767	T	A	1581	I	F	0.975	Likely Pathoenic
SCN1A	2	166850767	T	C	1581	I	V	0.406	Likely Benign
SCN1A	2	166850767	T	G	1581	I	L	0.893	Likely Pathoenic
SCN1A	2	166850766	A	C	1581	I	S	0.962	Likely Pathoenic
SCN1A	2	166850766	A	G	1581	I	T	0.870	Likely Pathoenic
SCN1A	2	166850766	A	T	1581	I	N	0.977	Likely Pathoenic
SCN1A	2	166850765	A	C	1581	I	M	0.971	Likely Pathoenic
SCN1A	2	166850764	A	C	1582	V	L	0.828	Likely Pathoenic
SCN1A	2	166850764	C	G	1582	V	L	0.827	Likely Pathoenic
SCN1A	2	166850764	C	T	1582	V	M	0.936	Likely Pathoenic
SCN1A	2	166850763	A	C	1582	V	G	0.647	Likely Benign
SCN1A	2	166850763	A	G	1582	V	A	0.315	Likely Benign
SCN1A	2	166850763	A	T	1582	V	E	0.984	Likely Pathoenic
SCN1A	2	166850761	G	C	1583	L	V	0.297	Likely Benign
SCN1A	2	166850761	G	T	1583	L	I	0.185	Likely Benign
SCN1A	2	166850760	A	C	1583	L	R	0.977	Likely Pathoenic
SCN1A	2	166850760	A	G	1583	L	P	0.982	Likely Pathoenic
SCN1A	2	166850760	A	T	1583	L	Q	0.980	Likely Pathoenic
SCN1A	2	166850758	A	C	1584	F	V	0.996	Likely Pathoenic
SCN1A	2	166850758	A	G	1584	F	L	0.994	Likely Pathoenic
SCN1A	2	166850758	A	T	1584	F	I	0.996	Likely Pathoenic
SCN1A	2	166850757	A	C	1584	F	C	0.995	Likely Pathoenic
SCN1A	2	166850757	A	G	1584	F	S	0.995	Likely Pathoenic
SCN1A	2	166850757	A	T	1584	F	Y	0.975	Likely Pathoenic
SCN1A	2	166850756	A	C	1584	F	L	0.995	Likely Pathoenic
SCN1A	2	166850756	A	T	1584	F	L	0.995	Likely Pathoenic
SCN1A	2	166850755	T	A	1585	T	S	0.850	Likely Pathoenic
SCN1A	2	166850755	T	C	1585	T	A	0.920	Likely Pathoenic
SCN1A	2	166850755	T	G	1585	T	P	0.994	Likely Pathoenic
SCN1A	2	166850754	G	A	1585	T	I	0.969	Likely Pathoenic
SCN1A	2	166850754	G	C	1585	T	S	0.864	Likely Pathoenic
SCN1A	2	166850754	G	T	1585	T	N	0.994	Likely Pathoenic
SCN1A	2	166850752	C	G	1586	G	R	0.983	Likely Pathoenic
SCN1A	2	166850752	C	T	1586	G	R	0.983	Likely Pathoenic
SCN1A	2	166850751	C	A	1586	G	V	0.827	Likely Pathoenic
SCN1A	2	166850751	C	G	1586	G	A	0.609	Likely Benign
SCN1A	2	166850751	C	T	1586	G	E	0.982	Likely Pathoenic
SCN1A	2	166850749	C	G	1587	E	Q	0.996	Likely Pathoenic
SCN1A	2	166850749	C	T	1587	E	K	0.996	Likely Pathoenic
SCN1A	2	166850747	A	C	1587	E	D	0.995	Likely Pathoenic
SCN1A	2	166850748	T	G	1587	E	A	0.996	Likely Pathoenic
SCN1A	2	166850747	A	G	1587	E	D	0.988	Likely Pathoenic
SCN1A	2	166850747	C	G	1587	E	D	0.988	Likely Pathoenic
SCN1A	2	166850746	A	C	1588	C	G	0.973	Likely Pathoenic
SCN1A	2	166850746	A	G	1588	C	R	0.982	Likely Pathoenic
SCN1A	2	166850746	A	T	1588	C	S	0.891	Likely Pathoenic
SCN1A	2	166850745	C	A	1588	C	F	0.873	Likely Pathoenic
SCN1A	2	166850745	C	G	1588	C	S	0.938	Likely Pathoenic
SCN1A	2	166850745	C	T	1588	C	Y	0.972	Likely Pathoenic
SCN1A	2	166850744	A	C	1588	C	W	0.987	Likely Pathoenic
SCN1A	2	166850743	C	A	1589	V	L	0.446	Likely Benign
SCN1A	2	166850743	C	G	1589	V	I	0.474	Likely Benign
SCN1A	2	166850743	C	T	1589	V	I	0.443	Likely Benign
SCN1A	2	166850742	A	C	1589	V	G	0.967	Likely Pathoenic
SCN1A	2	166850742	A	G	1589	V	A	0.884	Likely Pathoenic
SCN1A	2	166850742	A	T	1589	V	E	0.985	Likely Pathoenic
SCN1A	2	166850740	G	C	1590	L	V	0.857	Likely Pathoenic
SCN1A	2	166850740	G	T	1590	L	M	0.815	Likely Pathoenic
SCN1A	2	166850739	A	C	1590	L	R	0.995	Likely Pathoenic
SCN1A	2	166850739	A	G	1590	L	P	0.995	Likely Pathoenic
SCN1A	2	166850739	A	T	1590	L	Q	0.995	Likely Pathoenic
SCN1A	2	166850737	T	C	1591	K	E	0.996	Likely Pathoenic
SCN1A	2	166850737	T	G	1591	K	Q	0.992	Likely Pathoenic
SCN1A	2	166850736	T	A	1591	K	I	0.996	Likely Pathoenic
SCN1A	2	166850736	T	C	1591	K	R	0.981	Likely Pathoenic
SCN1A	2	166850736	T	G	1591	K	T	0.996	Likely Pathoenic
SCN1A	2	166850735	T	A	1591	K	N	0.995	Likely Pathoenic
SCN1A	2	166850735	T	G	1591	K	N	0.995	Likely Pathoenic
SCN1A	2	166850734	G	A	1592	L	F	0.938	Likely Pathoenic
SCN1A	2	166850734	G	C	1592	L	V	0.920	Likely Pathoenic
SCN1A	2	166850734	G	T	1592	L	I	0.360	Likely Benign
SCN1A	2	166850733	A	C	1592	L	R	0.989	Likely Pathoenic
SCN1A	2	166850733	A	G	1592	L	P	0.991	Likely Pathoenic
SCN1A	2	166850733	A	T	1592	L	H	0.986	Likely Pathoenic
SCN1A	2	166850731	T	A	1593	I	F	0.469	Likely Benign
SCN1A	2	166850731	T	C	1593	I	V	0.476	Likely Benign
SCN1A	2	166850731	T	G	1593	I	L	0.543	Likely Benign
SCN1A	2	166850730	A	C	1593	I	S	0.967	Likely Pathoenic
SCN1A	2	166850730	A	G	1593	I	T	0.837	Likely Pathoenic
SCN1A	2	166850730	A	T	1593	I	N	0.990	Likely Pathoenic
SCN1A	2	166850729	G	C	1593	I	M	0.932	Likely Pathoenic
SCN1A	2	166850728	A	C	1594	S	A	0.079	Likely Benign
SCN1A	2	166850728	A	G	1594	S	P	0.948	Likely Pathoenic
SCN1A	2	166850728	A	T	1594	S	T	0.896	Likely Pathoenic
SCN1A	2	166850727	G	A	1594	S	F	0.966	Likely Pathoenic
SCN1A	2	166850727	G	C	1594	S	C	0.950	Likely Pathoenic
SCN1A	2	166850727	G	T	1594	S	Y	0.948	Likely Pathoenic
SCN1A	2	166850725	G	C	1595	L	V	0.980	Likely Pathoenic
SCN1A	2	166850725	G	T	1595	L	I	0.972	Likely Pathoenic
SCN1A	2	166850724	A	C	1595	L	R	0.977	Likely Pathoenic
SCN1A	2	166850724	A	G	1595	L	P	0.991	Likely Pathoenic
SCN1A	2	166850724	A	T	1595	L	Q	0.981	Likely Pathoenic
SCN1A	2	166850722	G	A	1596	R	C	0.987	Likely Pathoenic
SCN1A	2	166850722	G	C	1596	R	G	0.876	Likely Pathoenic
SCN1A	2	166850722	G	T	1596	R	S	0.946	Likely Pathoenic
SCN1A	2	166850721	C	A	1596	R	L	0.985	Likely Pathoenic
SCN1A	2	166850721	C	G	1596	R	P	0.965	Likely Pathoenic
SCN1A	2	166850721	C	T	1596	R	H	0.965	Likely Pathoenic
SCN1A	2	166850719	G	A	1597	H	Y	0.389	Likely Benign
SCN1A	2	166850719	G	C	1597	H	D	0.945	Likely Pathoenic
SCN1A	2	166850719	G	T	1597	H	N	0.832	Likely Pathoenic
SCN1A	2	166850718	T	A	1597	H	L	0.746	Likely Benign
SCN1A	2	166850718	T	C	1597	H	R	0.722	Likely Benign
SCN1A	2	166850718	T	G	1597	H	P	0.912	Likely Pathoenic
SCN1A	2	166850717	A	C	1597	H	Q	0.375	Likely Benign
SCN1A	2	166850717	A	T	1597	H	Q	0.379	Likely Benign
SCN1A	2	166850716	A	C	1598	Y	D	0.956	Likely Pathoenic
SCN1A	2	166850716	A	G	1598	Y	H	0.437	Likely Benign
SCN1A	2	166850716	A	T	1598	Y	N	0.933	Likely Pathoenic
SCN1A	2	166850715	T	A	1598	Y	F	0.873	Likely Pathoenic
SCN1A	2	166850715	T	C	1598	Y	C	0.971	Likely Pathoenic
SCN1A	2	166850715	T	G	1598	Y	S	0.938	Likely Pathoenic
SCN1A	2	166850713	A	C	1599	Y	D	0.996	Likely Pathoenic
SCN1A	2	166850713	A	G	1599	Y	H	0.996	Likely Pathoenic
SCN1A	2	166850713	A	T	1599	Y	N	0.996	Likely Pathoenic
SCN1A	2	166850712	T	A	1599	Y	F	0.783	Likely Pathoenic
SCN1A	2	166850712	T	C	1599	Y	C	0.994	Likely Pathoenic
SCN1A	2	166850712	T	G	1599	Y	S	0.995	Likely Pathoenic
SCN1A	2	166850710	A	C	1600	F	V	0.989	Likely Pathoenic
SCN1A	2	166850710	A	G	1600	F	L	0.966	Likely Pathoenic
SCN1A	2	166850710	A	T	1600	F	I	0.983	Likely Pathoenic
SCN1A	2	166850709	A	C	1600	F	C	0.993	Likely Pathoenic
SCN1A	2	166850709	A	G	1600	F	S	0.994	Likely Pathoenic
SCN1A	2	166850709	A	T	1600	F	Y	0.995	Likely Pathoenic
SCN1A	2	166850708	A	C	1600	F	L	0.970	Likely Pathoenic
SCN1A	2	166850708	A	T	1600	F	L	0.970	Likely Pathoenic
SCN1A	2	166850707	T	A	1601	T	S	0.284	Likely Benign
SCN1A	2	166850707	T	C	1601	T	A	0.708	Likely Benign
SCN1A	2	166850707	T	G	1601	T	P	0.959	Likely Pathoenic
SCN1A	2	166850706	G	A	1601	T	I	0.872	Likely Pathoenic
SCN1A	2	166850706	G	C	1601	T	S	0.474	Likely Benign
SCN1A	2	166850706	G	T	1601	T	N	0.910	Likely Pathoenic
SCN1A	2	166850704	T	A	1602	I	F	0.794	Likely Pathoenic
SCN1A	2	166850704	T	C	1602	I	V	0.345	Likely Benign
SCN1A	2	166850704	T	G	1602	I	L	0.663	Likely Benign
SCN1A	2	166850703	A	C	1602	I	S	0.408	Likely Benign
SCN1A	2	166850703	A	G	1602	I	T	0.808	Likely Pathoenic
SCN1A	2	166850703	A	T	1602	I	N	0.225	Likely Benign

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166243407	T	G	1568	L	R	0.868	Likely Pathogenic
SCN2A	2	166243409	G	A	1569	V	M	0.855	Likely Pathogenic
SCN2A	2	166243409	G	C	1569	V	L	0.382	Likely Benign
SCN2A	2	166243409	G	T	1569	V	L	0.382	Likely Benign
SCN2A	2	166243410	T	A	1569	V	E	0.978	Likely Pathogenic
SCN2A	2	166243410	T	C	1569	V	A	0.476	Likely Benign
SCN2A	2	166243410	T	G	1569	V	G	0.928	Likely Pathogenic
SCN2A	2	166243412	T	A	1570	F	I	0.946	Likely Pathogenic
SCN2A	2	166243412	T	C	1570	F	L	0.961	Likely Pathogenic
SCN2A	2	166243412	T	G	1570	F	V	0.985	Likely Pathogenic
SCN2A	2	166243413	T	A	1570	F	Y	0.991	Likely Pathogenic
SCN2A	2	166243413	T	C	1570	F	S	0.995	Likely Pathogenic
SCN2A	2	166243413	T	G	1570	F	C	0.981	Likely Pathogenic
SCN2A	2	166243414	T	A	1570	F	L	0.961	Likely Pathogenic
SCN2A	2	166243414	T	G	1570	F	L	0.962	Likely Pathogenic
SCN2A	2	166243415	A	C	1571	I	L	0.848	Likely Pathogenic
SCN2A	2	166243415	A	G	1571	I	V	0.284	Likely Benign
SCN2A	2	166243415	A	T	1571	I	F	0.973	Likely Pathogenic
SCN2A	2	166243416	T	A	1571	I	N	0.971	Likely Pathogenic
SCN2A	2	166243416	T	C	1571	I	T	0.613	Likely Benign
SCN2A	2	166243416	T	G	1571	I	S	0.958	Likely Pathogenic
SCN2A	2	166243417	T	G	1571	I	M	0.965	Likely Pathogenic
SCN2A	2	166243418	G	A	1572	V	I	0.296	Likely Benign
SCN2A	2	166243418	G	C	1572	V	L	0.529	Likely Benign
SCN2A	2	166243418	G	T	1572	V	F	0.879	Likely Pathogenic
SCN2A	2	166243419	T	A	1572	V	D	0.977	Likely Pathogenic
SCN2A	2	166243419	T	C	1572	V	A	0.282	Likely Benign
SCN2A	2	166243419	T	G	1572	V	G	0.691	Likely Benign
SCN2A	2	166243421	C	A	1573	L	M	0.686	Likely Benign
SCN2A	2	166243421	C	G	1573	L	V	0.267	Likely Benign
SCN2A	2	166243421	C	T	1573	L	F	0.952	Likely Pathogenic
SCN2A	2	166243422	T	C	1573	L	P	0.965	Likely Pathogenic
SCN2A	2	166243422	T	G	1573	L	R	0.956	Likely Pathogenic
SCN2A	2	166243424	A	C	1574	F	I	0.994	Likely Pathogenic
SCN2A	2	166243424	T	C	1574	F	L	0.99	Likely Pathogenic
SCN2A	2	166243424	T	G	1574	F	V	0.996	Likely Pathogenic
SCN2A	2	166243425	A	C	1574	F	Y	0.941	Likely Pathogenic
SCN2A	2	166243425	T	C	1574	F	S	0.994	Likely Pathogenic
SCN2A	2	166243425	T	G	1574	F	C	0.994	Likely Pathogenic
SCN2A	2	166243426	C	A	1574	F	L	0.99	Likely Pathogenic
SCN2A	2	166243426	C	G	1574	F	L	0.99	Likely Pathogenic
SCN2A	2	166243427	A	C	1575	T	P	0.994	Likely Pathogenic
SCN2A	2	166243427	A	G	1575	T	A	0.917	Likely Pathogenic
SCN2A	2	166243427	A	T	1575	T	S	0.743	Likely Benign
SCN2A	2	166243428	C	A	1575	T	N	0.995	Likely Pathogenic
SCN2A	2	166243428	C	G	1575	T	S	0.728	Likely Benign
SCN2A	2	166243428	C	T	1575	T	I	0.921	Likely Pathogenic
SCN2A	2	166243430	G	A	1576	G	R	0.972	Likely Pathogenic
SCN2A	2	166243430	G	C	1576	G	R	0.972	Likely Pathogenic
SCN2A	2	166243431	G	A	1576	G	E	0.966	Likely Pathogenic
SCN2A	2	166243431	G	C	1576	G	A	0.573	Likely Benign
SCN2A	2	166243431	G	T	1576	G	V	0.564	Likely Benign
SCN2A	2	166243433	G	A	1577	E	K	0.995	Likely Pathogenic
SCN2A	2	166243433	G	C	1577	E	Q	0.994	Likely Pathogenic
SCN2A	2	166243434	A	C	1577	E	A	0.995	Likely Pathogenic
SCN2A	2	166243434	A	G	1577	E	G	0.995	Likely Pathogenic
SCN2A	2	166243434	A	T	1577	E	V	0.994	Likely Pathogenic
SCN2A	2	166243435	A	C	1577	E	D	0.984	Likely Pathogenic
SCN2A	2	166243435	A	T	1577	E	D	0.984	Likely Pathogenic
SCN2A	2	166243436	T	A	1578	C	S	0.696	Likely Benign
SCN2A	2	166243436	T	C	1578	C	R	0.975	Likely Pathogenic
SCN2A	2	166243436	T	G	1578	C	G	0.968	Likely Pathogenic
SCN2A	2	166243437	G	A	1578	C	Y	0.866	Likely Pathogenic
SCN2A	2	166243437	G	C	1578	C	S	0.554	Likely Benign
SCN2A	2	166243437	G	T	1578	C	F	0.243	Likely Benign
SCN2A	2	166243438	T	C	1578	C	W	0.975	Likely Pathogenic
SCN2A	2	166243439	G	A	1579	V	M	0.907	Likely Pathogenic
SCN2A	2	166243439	G	C	1579	V	L	0.222	Likely Benign
SCN2A	2	166243439	G	T	1579	V	L	0.221	Likely Benign
SCN2A	2	166243440	T	A	1579	V	E	0.976	Likely Pathogenic
SCN2A	2	166243440	T	C	1579	V	A	0.64	Likely Benign
SCN2A	2	166243440	T	G	1579	V	G	0.949	Likely Pathogenic
SCN2A	2	166243442	C	A	1580	L	M	0.726	Likely Benign
SCN2A	2	166243442	C	G	1580	L	V	0.784	Likely Pathogenic
SCN2A	2	166243443	T	A	1580	L	Q	0.995	Likely Pathogenic
SCN2A	2	166243443	T	C	1580	L	P	0.995	Likely Pathogenic
SCN2A	2	166243443	T	G	1580	L	R	0.994	Likely Pathogenic
SCN2A	2	166243445	A	C	1581	K	Q	0.991	Likely Pathogenic
SCN2A	2	166243445	A	G	1581	K	E	0.995	Likely Pathogenic
SCN2A	2	166243446	A	C	1581	K	T	0.996	Likely Pathogenic
SCN2A	2	166243446	A	G	1581	K	R	0.958	Likely Pathogenic
SCN2A	2	166243446	A	T	1581	K	I	0.996	Likely Pathogenic
SCN2A	2	166243447	A	C	1581	K	N	0.987	Likely Pathogenic
SCN2A	2	166243447	A	T	1581	K	N	0.987	Likely Pathogenic
SCN2A	2	166243449	T	A	1582	L	M	0.3	Likely Benign
SCN2A	2	166243448	C	G	1582	L	V	0.491	Likely Benign
SCN2A	2	166243449	T	A	1582	L	Q	0.981	Likely Pathogenic
SCN2A	2	166243449	T	C	1582	L	P	0.987	Likely Pathogenic
SCN2A	2	166243449	T	G	1582	L	R	0.982	Likely Pathogenic
SCN2A	2	166243451	A	C	1583	I	L	0.386	Likely Benign
SCN2A	2	166243451	A	G	1583	I	V	0.315	Likely Benign
SCN2A	2	166243451	A	T	1583	I	F	0.25	Likely Benign
SCN2A	2	166243452	T	A	1583	I	N	0.976	Likely Pathogenic
SCN2A	2	166243452	T	C	1583	I	T	0.567	Likely Benign
SCN2A	2	166243452	T	G	1583	I	S	0.925	Likely Pathogenic
SCN2A	2	166243453	C	G	1583	I	M	0.628	Likely Benign
SCN2A	2	166243454	T	A	1584	S	T	0.693	Likely Benign
SCN2A	2	166243454	T	C	1584	S	P	0.834	Likely Pathogenic
SCN2A	2	166243454	T	G	1584	S	A	0.034	Likely Benign
SCN2A	2	166243455	C	A	1584	S	Y	0.811	Likely Pathogenic
SCN2A	2	166243455	C	G	1584	S	C	0.892	Likely Pathogenic
SCN2A	2	166243455	C	T	1584	S	F	0.918	Likely Pathogenic
SCN2A	2	166243457	C	A	1585	L	I	0.968	Likely Pathogenic
SCN2A	2	166243457	C	G	1585	L	V	0.966	Likely Pathogenic
SCN2A	2	166243457	C	T	1585	L	F	0.855	Likely Pathogenic
SCN2A	2	166243458	T	A	1585	L	H	0.966	Likely Pathogenic
SCN2A	2	166243458	T	C	1585	L	P	0.991	Likely Pathogenic
SCN2A	2	166243458	T	G	1585	L	R	0.966	Likely Pathogenic
SCN2A	2	166243460	C	A	1586	R	S	0.956	Likely Pathogenic
SCN2A	2	166243460	C	G	1586	R	G	0.758	Likely Benign
SCN2A	2	166243460	C	T	1586	R	C	0.986	Likely Pathogenic
SCN2A	2	166243461	G	A	1586	R	H	0.95	Likely Pathogenic
SCN2A	2	166243461	G	C	1586	R	P	0.956	Likely Pathogenic
SCN2A	2	166243461	G	T	1586	R	L	0.984	Likely Pathogenic
SCN2A	2	166243463	T	A	1587	Y	N	0.743	Likely Benign
SCN2A	2	166243463	T	C	1587	Y	H	0.168	Likely Benign
SCN2A	2	166243463	T	G	1587	Y	D	0.861	Likely Pathogenic
SCN2A	2	166243464	A	C	1587	Y	S	0.63	Likely Benign
SCN2A	2	166243464	A	G	1587	Y	C	0.316	Likely Benign
SCN2A	2	166243464	A	T	1587	Y	F	0.299	Likely Benign
SCN2A	2	166243466	T	A	1588	Y	N	0.894	Likely Pathogenic
SCN2A	2	166243466	T	C	1588	Y	H	0.41	Likely Benign
SCN2A	2	166243466	T	G	1588	Y	D	0.946	Likely Pathogenic
SCN2A	2	166243467	A	C	1588	Y	S	0.856	Likely Pathogenic
SCN2A	2	166243467	A	G	1588	Y	C	0.962	Likely Pathogenic
SCN2A	2	166243467	A	T	1588	Y	F	0.75	Likely Benign
SCN2A	2	166243469	T	A	1589	Y	N	0.996	Likely Pathogenic
SCN2A	2	166243469	T	C	1589	Y	H	0.995	Likely Pathogenic
SCN2A	2	166243469	T	G	1589	Y	D	0.996	Likely Pathogenic
SCN2A	2	166243470	A	C	1589	Y	S	0.994	Likely Pathogenic
SCN2A	2	166243470	A	G	1589	Y	C	0.995	Likely Pathogenic
SCN2A	2	166243470	A	T	1589	Y	F	0.706	Likely Benign
SCN2A	2	166243472	A	C	1590	F	I	0.957	Likely Pathogenic
SCN2A	2	166243472	T	C	1590	F	L	0.896	Likely Pathogenic
SCN2A	2	166243472	T	G	1590	F	V	0.979	Likely Pathogenic
SCN2A	2	166243473	A	C	1590	F	Y	0.994	Likely Pathogenic
SCN2A	2	166243473	T	C	1590	F	S	0.991	Likely Pathogenic
SCN2A	2	166243473	T	G	1590	F	C	0.987	Likely Pathogenic
SCN2A	2	166243474	A	C	1590	F	L	0.947	Likely Pathogenic
SCN2A	2	166243474	C	G	1590	F	L	0.946	Likely Pathogenic
SCN2A	2	166243475	A	C	1591	T	P	0.944	Likely Pathogenic
SCN2A	2	166243475	A	G	1591	T	A	0.616	Likely Benign
SCN2A	2	166243475	A	T	1591	T	S	0.328	Likely Benign
SCN2A	2	166243476	C	A	1591	T	N	0.747	Likely Benign
SCN2A	2	166243476	C	G	1591	T	S	0.417	Likely Benign
SCN2A	2	166243476	C	T	1591	T	I	0.615	Likely Benign
SCN2A	2	166243478	A	C	1592	I	L	0.418	Likely Benign

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166850702	A	C	1602	I	M	0.838	Likely Pathoenic
SCN1A	2	166850701	C	G	1603	G	R	0.976	Likely Pathoenic
SCN1A	2	166850701	C	T	1603	G	R	0.976	Likely Pathoenic
SCN1A	2	166850700	C	A	1603	G	V	0.988	Likely Pathoenic
SCN1A	2	166850700	C	G	1603	G	A	0.947	Likely Pathoenic
SCN1A	2	166850700	C	T	1603	G	E	0.993	Likely Pathoenic
SCN1A	2	166850698	A	C	1604	W	G	0.996	Likely Pathoenic
SCN1A	2	166850698	A	G	1604	W	R	0.996	Likely Pathoenic
SCN1A	2	166850698	A	T	1604	W	R	0.996	Likely Pathoenic
SCN1A	2	166850697	C	A	1604	W	L	0.993	Likely Pathoenic
SCN1A	2	166850697	C	G	1604	W	S	0.995	Likely Pathoenic
SCN1A	2	166850696	G	A	1604	W	C	0.996	Likely Pathoenic
SCN1A	2	166850696	C	G	1604	W	C	0.996	Likely Pathoenic
SCN1A	2	166850695	T	A	1605	N	Y	0.996	Likely Pathoenic
SCN1A	2	166850695	T	C	1605	N	D	0.996	Likely Pathoenic
SCN1A	2	166850695	T	G	1605	N	H	0.997	Likely Pathoenic
SCN1A	2	166850694	T	A	1605	N	I	0.997	Likely Pathoenic
SCN1A	2	166850694	T	C	1605	N	S	0.993	Likely Pathoenic
SCN1A	2	166850694	T	G	1605	N	T	0.993	Likely Pathoenic
SCN1A	2	166850693	A	C	1605	N	K	0.997	Likely Pathoenic
SCN1A	2	166850693	A	T	1605	N	K	0.997	Likely Pathoenic
SCN1A	2	166850692	T	A	1606	I	F	0.975	Likely Pathoenic
SCN1A	2	166850692	T	C	1606	I	V	0.331	Likely Benian
SCN1A	2	166850692	T	G	1606	I	L	0.722	Likely Benian
SCN1A	2	166850691	A	C	1606	I	S	0.981	Likely Pathoenic
SCN1A	2	166850691	A	G	1606	I	T	0.961	Likely Pathoenic
SCN1A	2	166850691	A	T	1606	I	N	0.983	Likely Pathoenic
SCN1A	2	166850690	A	C	1606	I	M	0.967	Likely Pathoenic
SCN1A	2	166850689	A	C	1607	F	V	0.992	Likely Pathoenic
SCN1A	2	166850689	A	G	1607	F	L	0.917	Likely Pathoenic
SCN1A	2	166850689	A	T	1607	F	I	0.985	Likely Pathoenic
SCN1A	2	166850688	A	C	1607	F	C	0.995	Likely Pathoenic
SCN1A	2	166850688	A	G	1607	F	S	0.995	Likely Pathoenic
SCN1A	2	166850688	A	T	1607	F	Y	0.992	Likely Pathoenic
SCN1A	2	166850687	A	C	1607	F	L	0.931	Likely Pathoenic
SCN1A	2	166850687	A	T	1607	F	L	0.928	Likely Pathoenic
SCN1A	2	166850686	C	A	1608	D	Y	0.997	Likely Pathoenic
SCN1A	2	166850686	C	G	1608	D	H	0.997	Likely Pathoenic
SCN1A	2	166850686	C	T	1608	D	N	0.997	Likely Pathoenic
SCN1A	2	166850685	T	A	1608	D	V	0.997	Likely Pathoenic
SCN1A	2	166850685	T	C	1608	D	G	0.995	Likely Pathoenic
SCN1A	2	166850685	T	G	1608	D	A	0.996	Likely Pathoenic
SCN1A	2	166850684	A	C	1608	D	E	0.994	Likely Pathoenic
SCN1A	2	166850684	A	T	1608	D	E	0.994	Likely Pathoenic
SCN1A	2	166850683	A	C	1609	F	V	0.950	Likely Pathoenic
SCN1A	2	166850683	A	G	1609	F	L	0.781	Likely Benian
SCN1A	2	166850683	A	T	1609	F	I	0.957	Likely Pathoenic
SCN1A	2	166850682	A	C	1609	F	C	0.974	Likely Pathoenic
SCN1A	2	166850682	A	G	1609	F	S	0.979	Likely Pathoenic
SCN1A	2	166850682	A	T	1609	F	Y	0.994	Likely Pathoenic
SCN1A	2	166850681	A	C	1609	F	L	0.784	Likely Pathoenic
SCN1A	2	166850681	A	T	1609	F	L	0.784	Likely Pathoenic
SCN1A	2	166850680	A	C	1610	V	L	0.896	Likely Pathoenic
SCN1A	2	166850680	C	G	1610	V	L	0.891	Likely Pathoenic
SCN1A	2	166850680	C	T	1610	V	M	0.976	Likely Pathoenic
SCN1A	2	166850679	C	A	1610	V	G	0.977	Likely Pathoenic
SCN1A	2	166850679	A	G	1610	V	A	0.914	Likely Pathoenic
SCN1A	2	166850679	A	T	1610	V	E	0.990	Likely Pathoenic
SCN1A	2	166850677	C	A	1611	V	F	0.995	Likely Pathoenic
SCN1A	2	166850677	C	G	1611	V	L	0.984	Likely Pathoenic
SCN1A	2	166850677	C	T	1611	V	I	0.929	Likely Pathoenic
SCN1A	2	166850676	A	C	1611	V	G	0.994	Likely Pathoenic
SCN1A	2	166850676	A	G	1611	V	A	0.991	Likely Pathoenic
SCN1A	2	166850676	A	T	1611	V	D	0.994	Likely Pathoenic
SCN1A	2	166850674	C	A	1612	V	F	0.996	Likely Pathoenic
SCN1A	2	166850674	C	G	1612	V	L	0.986	Likely Pathoenic
SCN1A	2	166850674	C	T	1612	V	I	0.982	Likely Pathoenic
SCN1A	2	166850673	A	C	1612	V	G	0.996	Likely Pathoenic
SCN1A	2	166850673	A	G	1612	V	A	0.991	Likely Pathoenic
SCN1A	2	166850673	A	T	1612	V	D	0.996	Likely Pathoenic
SCN1A	2	166850671	T	A	1613	I	F	0.956	Likely Pathoenic
SCN1A	2	166850671	T	C	1613	I	V	0.547	Likely Benian
SCN1A	2	166850671	T	G	1613	I	L	0.836	Likely Pathoenic
SCN1A	2	166850670	A	C	1613	I	S	0.970	Likely Pathoenic
SCN1A	2	166850670	A	G	1613	I	T	0.966	Likely Pathoenic
SCN1A	2	166850670	A	T	1613	I	N	0.992	Likely Pathoenic
SCN1A	2	166850669	A	C	1613	I	M	0.969	Likely Pathoenic
SCN1A	2	166850668	G	A	1614	L	F	0.871	Likely Pathoenic
SCN1A	2	166850668	G	C	1614	L	V	0.810	Likely Pathoenic
SCN1A	2	166850668	G	T	1614	L	I	0.800	Likely Pathoenic
SCN1A	2	166850667	A	C	1614	L	R	0.986	Likely Pathoenic
SCN1A	2	166850667	A	G	1614	L	P	0.980	Likely Pathoenic
SCN1A	2	166850667	A	T	1614	L	H	0.978	Likely Pathoenic
SCN1A	2	166850665	A	C	1615	S	A	0.973	Likely Pathoenic
SCN1A	2	166850665	A	G	1615	S	P	0.995	Likely Pathoenic
SCN1A	2	166850665	A	T	1615	S	T	0.986	Likely Pathoenic
SCN1A	2	166850664	G	A	1615	S	C	0.995	Likely Pathoenic
SCN1A	2	166850664	G	C	1615	S	Y	0.992	Likely Pathoenic
SCN1A	2	166850664	G	T	1615	S	Y	0.995	Likely Pathoenic
SCN1A	2	166850662	T	A	1616	I	F	0.964	Likely Pathoenic
SCN1A	2	166850662	T	C	1616	I	V	0.823	Likely Benian
SCN1A	2	166850662	T	G	1616	I	L	0.798	Likely Benian
SCN1A	2	166850661	A	C	1616	I	S	0.992	Likely Pathoenic
SCN1A	2	166850661	A	G	1616	I	T	0.988	Likely Pathoenic
SCN1A	2	166850661	A	T	1616	I	N	0.992	Likely Pathoenic
SCN1A	2	166850660	A	C	1616	I	M	0.987	Likely Pathoenic
SCN1A	2	166850659	C	A	1617	V	L	0.642	Likely Benian
SCN1A	2	166850659	C	G	1617	V	L	0.625	Likely Benian
SCN1A	2	166850659	C	T	1617	V	I	0.386	Likely Benian
SCN1A	2	166850658	A	C	1617	V	G	0.911	Likely Pathoenic
SCN1A	2	166850658	A	G	1617	V	A	0.711	Likely Benian
SCN1A	2	166850658	A	T	1617	V	E	0.988	Likely Pathoenic
SCN1A	2	166850656	C	A	1618	G	C	0.991	Likely Pathoenic
SCN1A	2	166850656	C	G	1618	G	R	0.991	Likely Pathoenic
SCN1A	2	166850656	C	T	1618	G	S	0.960	Likely Pathoenic
SCN1A	2	166848930	T	A	1619	M	L	0.346	Likely Benian
SCN1A	2	166848930	T	C	1619	M	V	0.767	Likely Benian
SCN1A	2	166848930	T	G	1619	M	L	0.379	Likely Benian
SCN1A	2	166848929	A	C	1619	M	R	0.955	Likely Pathoenic
SCN1A	2	166848929	A	G	1619	M	T	0.681	Likely Benian
SCN1A	2	166848929	A	T	1619	M	K	0.940	Likely Pathoenic
SCN1A	2	166848928	C	A	1619	M	I	0.596	Likely Benian
SCN1A	2	166848928	C	G	1619	M	I	0.588	Likely Benian
SCN1A	2	166848928	C	T	1619	M	I	0.585	Likely Benian
SCN1A	2	166848927	A	C	1620	F	V	0.492	Likely Benian
SCN1A	2	166848927	A	G	1620	F	L	0.540	Likely Benian
SCN1A	2	166848927	A	T	1620	F	I	0.646	Likely Benian
SCN1A	2	166848926	A	C	1620	F	C	0.962	Likely Pathoenic
SCN1A	2	166848926	A	G	1620	F	S	0.722	Likely Benian
SCN1A	2	166848926	A	T	1620	F	Y	0.897	Likely Pathoenic
SCN1A	2	166848925	A	C	1620	F	L	0.281	Likely Benian
SCN1A	2	166848925	A	T	1620	F	L	0.280	Likely Benian
SCN1A	2	166848924	G	A	1621	L	F	0.965	Likely Pathoenic
SCN1A	2	166848924	G	C	1621	L	V	0.960	Likely Pathoenic
SCN1A	2	166848924	G	T	1621	L	I	0.965	Likely Pathoenic
SCN1A	2	166848923	A	C	1621	L	R	0.991	Likely Pathoenic
SCN1A	2	166848923	A	G	1621	L	P	0.988	Likely Pathoenic
SCN1A	2	166848923	A	T	1621	L	H	0.995	Likely Pathoenic
SCN1A	2	166848921	C	A	1622	A	S	0.448	Likely Benian
SCN1A	2	166848921	C	G	1622	A	P	0.963	Likely Pathoenic
SCN1A	2	166848921	C	T	1622	A	T	0.714	Likely Benian
SCN1A	2	166848920	G	A	1622	A	V	0.942	Likely Pathoenic
SCN1A	2	166848920	G	C	1622	A	G	0.944	Likely Pathoenic
SCN1A	2	166848920	G	T	1622	A	D	0.935	Likely Pathoenic
SCN1A	2	166848918	C	G	1623	E	Q	0.960	Likely Pathoenic
SCN1A	2	166848918	C	T	1623	E	K	0.933	Likely Pathoenic
SCN1A	2	166848917	T	A	1623	E	V	0.954	Likely Pathoenic
SCN1A	2	166848917	T	C	1623	E	G	0.854	Likely Pathoenic
SCN1A	2	166848917	T	G	1623	E	A	0.797	Likely Pathoenic
SCN1A	2	166848916	C	A	1623	E	D	0.675	Likely Benian
SCN1A	2	166848916	C	G	1623	E	D	0.692	Likely Benian
SCN1A	2	166848915	G	C	1624	L	V	0.414	Likely Benian
SCN1A	2	166848915	G	T	1624	L	M	0.680	Likely Benian
SCN1A	2	166848914	A	C	1624	L	R	0.984	Likely Pathoenic
SCN1A	2	166848914	A	G	1624	L	P	0.988	Likely Pathoenic
SCN1A	2	166848914	A	T	1624	L	Q	0.979	Likely Pathoenic
SCN1A	2	166848912	T	A	1625	I	L	0.929	Likely Pathoenic
SCN1A	2	166848912	T	C	1625	I	V	0.917	Likely Pathoenic
SCN1A	2	166848912	T	G	1625	I	L	0.928	Likely Pathoenic
SCN1A	2	166848911	A	C	1625	I	R	0.978	Likely Pathoenic
SCN1A	2	166848911	A	G	1625	I	T	0.974	Likely Pathoenic
SCN1A	2	166848911	A	T	1625	I	K	0.974	Likely Pathoenic
SCN1A	2	166848910	T	C	1625	I	M	0.959	Likely Pathoenic
SCN1A	2	166848909	C	G	1626	E	Q	0.883	Likely Pathoenic
SCN1A	2	166848909	C	T	1626	E	K	0.722	Likely Benian
SCN1A	2	166848908	T	A	1626	E	V	0.956	Likely Pathoenic
SCN1A	2	166848908	T	C	1626	E	G	0.934	Likely Pathoenic
SCN1A	2	166848908	T	G	1626	E	A	0.951	Likely Pathoenic
SCN1A	2	166848907	T	A	1626	E	D	0.916	Likely Pathoenic
SCN1A	2	166848907	T	G	1626	E	D	0.916	Likely Pathoenic
SCN1A	2	166848906	T	C	1627	K	E	0.922	Likely Pathoenic
SCN1A	2	166848906	T	G	1627	K	Q	0.881	Likely Pathoenic
SCN1A	2	166848905	T	A	1627	K	M	0.978	Likely Pathoenic
SCN1A	2	166848905	T	C	1627	K	R	0.951	Likely Pathoenic
SCN1A	2	166848905	T	G	1627	K	T	0.939	Likely Pathoenic
SCN1A	2	166848904	C	A	1627	K	N	0.825	Likely Pathoenic
SCN1A	2	166848904	C	G	1627	K	N	0.823	Likely Pathoenic
SCN1A	2	166848903	A	C	1628	Y	D	0.979	Likely Pathoenic
SCN1A	2	166848903	A	G	1628	Y	H	0.976	Likely Pathoenic
SCN1A	2	166848903	A	T	1628	Y	N	0.973	Likely Pathoenic
SCN1A	2	166848902	T	A	1628	Y	F	0.935	Likely Pathoenic
SCN1A	2	166848902	T	C	1628	Y	C	0.990	Likely Pathoenic
SCN1A	2	166848902	T	G	1628	Y	S	0.963	Likely Pathoenic
SCN1A	2	166848900	A	C	1629	F	V	0.977	Likely Pathoenic
SCN1A	2	166848900	A	G	1629	F	L	0.944	Likely Pathoenic
SCN1A	2	166848900	A	T	1629	F	I	0.977	Likely Pathoenic
SCN1A	2	166848899	A	C	1629	F	C	0.991	Likely Pathoenic
SCN1A	2	166848899	A	G	1629	F	S	0.967	Likely Pathoenic
SCN1A	2	166848899	A	T	1629	F	Y	0.939	Likely Pathoenic
SCN1A	2	166848898	G	C	1629	F	L	0.897	Likely Pathoenic
SCN1A	2	166848898	G	T	1629	F	L	0.897	Likely Pathoenic
SCN1A	2	166848897	C	A	1630	V	L	0.755	Likely Benian
SCN1A	2	166848897	C	G	1630	V	L	0.740	Likely Benian
SCN1A	2	166848897	C	T	1630	V	M	0.948	Likely Pathoenic
SCN1A	2	166848896	A	C	1630	V	G	0.942	Likely Pathoenic
SCN1A	2	166848896	A	G	1630	V	A	0.941	Likely Pathoenic
SCN1A	2	166848896	A	T	1630	V	E	0.973	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166243495	T	G	1597	F	L	0.892	Likely Pathogenic
SCN2A	2	166243496	G	A	1598	D	N	0.997	Likely Pathogenic
SCN2A	2	166243496	G	C	1598	D	H	0.997	Likely Pathogenic
SCN2A	2	166243496	G	T	1598	D	Y	0.997	Likely Pathogenic
SCN2A	2	166243497	A	G	1598	D	G	0.996	Likely Pathogenic
SCN2A	2	166243497	A	C	1598	D	V	0.997	Likely Pathogenic
SCN2A	2	166243497	A	T	1598	D	E	0.997	Likely Pathogenic
SCN2A	2	166243498	T	A	1598	D	E	0.994	Likely Pathogenic
SCN2A	2	166243498	T	G	1598	D	E	0.993	Likely Pathogenic
SCN2A	2	166243499	T	A	1599	F	I	0.873	Likely Pathogenic
SCN2A	2	166243499	T	C	1599	F	L	0.524	Likely Benign
SCN2A	2	166243499	T	G	1599	F	V	0.839	Likely Pathogenic
SCN2A	2	166243500	T	A	1599	F	Y	0.993	Likely Pathogenic
SCN2A	2	166243500	T	C	1599	F	S	0.959	Likely Pathogenic
SCN2A	2	166243500	T	G	1599	F	C	0.899	Likely Pathogenic
SCN2A	2	166243501	T	A	1599	F	L	0.485	Likely Benign
SCN2A	2	166243501	T	G	1599	F	L	0.483	Likely Benign
SCN2A	2	166243502	G	A	1600	V	M	0.922	Likely Pathogenic
SCN2A	2	166243502	G	C	1600	V	L	0.521	Likely Benign
SCN2A	2	166243502	G	T	1600	V	L	0.521	Likely Benign
SCN2A	2	166243503	T	A	1600	V	E	0.99	Likely Pathogenic
SCN2A	2	166243503	T	C	1600	V	A	0.894	Likely Pathogenic
SCN2A	2	166243503	T	G	1600	V	G	0.974	Likely Pathogenic
SCN2A	2	166243505	G	A	1601	V	M	0.994	Likely Pathogenic
SCN2A	2	166243505	G	C	1601	V	L	0.974	Likely Pathogenic
SCN2A	2	166243505	G	T	1601	V	L	0.974	Likely Pathogenic
SCN2A	2	166243506	T	A	1601	V	E	0.995	Likely Pathogenic
SCN2A	2	166243506	T	C	1601	V	A	0.99	Likely Pathogenic
SCN2A	2	166243506	T	G	1601	V	G	0.995	Likely Pathogenic
SCN2A	2	166243508	G	A	1602	V	I	0.937	Likely Pathogenic
SCN2A	2	166243508	G	C	1602	V	L	0.981	Likely Pathogenic
SCN2A	2	166243508	G	T	1602	V	F	0.996	Likely Pathogenic
SCN2A	2	166243509	T	A	1602	V	D	0.995	Likely Pathogenic
SCN2A	2	166243509	T	C	1602	V	A	0.988	Likely Pathogenic
SCN2A	2	166243509	T	G	1602	V	G	0.996	Likely Pathogenic
SCN2A	2	166243511	A	C	1603	I	L	0.6	Likely Benign
SCN2A	2	166243511	A	G	1603	I	V	0.34	Likely Benign
SCN2A	2	166243511	A	T	1603	I	F	0.906	Likely Pathogenic
SCN2A	2	166243512	T	A	1603	I	N	0.991	Likely Pathogenic
SCN2A	2	166243512	T	C	1603	I	T	0.961	Likely Pathogenic
SCN2A	2	166243512	T	G	1603	I	S	0.966	Likely Pathogenic
SCN2A	2	166243513	T	G	1603	I	M	0.934	Likely Pathogenic
SCN2A	2	166243514	C	A	1604	L	I	0.508	Likely Benign
SCN2A	2	166243514	C	G	1604	L	V	0.42	Likely Benign
SCN2A	2	166243514	C	T	1604	L	F	0.621	Likely Benign
SCN2A	2	166243515	T	A	1604	L	H	0.954	Likely Pathogenic
SCN2A	2	166243515	T	C	1604	L	P	0.979	Likely Pathogenic
SCN2A	2	166243515	T	G	1604	L	R	0.975	Likely Pathogenic
SCN2A	2	166243517	T	A	1605	S	T	0.982	Likely Pathogenic
SCN2A	2	166243517	T	C	1605	S	P	0.995	Likely Pathogenic
SCN2A	2	166243517	T	G	1605	S	A	0.954	Likely Pathogenic
SCN2A	2	166243518	C	A	1605	S	Y	0.995	Likely Pathogenic
SCN2A	2	166243518	C	G	1605	S	C	0.993	Likely Pathogenic
SCN2A	2	166243518	C	T	1605	S	F	0.995	Likely Pathogenic
SCN2A	2	166243520	A	C	1606	I	L	0.562	Likely Benign
SCN2A	2	166243520	A	G	1606	I	V	0.865	Likely Pathogenic
SCN2A	2	166243520	A	T	1606	I	F	0.972	Likely Pathogenic
SCN2A	2	166243521	T	A	1606	I	N	0.992	Likely Pathogenic
SCN2A	2	166243521	T	C	1606	I	T	0.989	Likely Pathogenic
SCN2A	2	166243521	T	G	1606	I	S	0.992	Likely Pathogenic
SCN2A	2	166243522	T	G	1606	I	M	0.986	Likely Pathogenic
SCN2A	2	166243523	G	A	1607	V	I	0.266	Likely Benign
SCN2A	2	166243523	G	C	1607	V	L	0.303	Likely Benign
SCN2A	2	166243523	G	T	1607	V	L	0.306	Likely Benign
SCN2A	2	166243524	T	A	1607	V	E	0.971	Likely Pathogenic
SCN2A	2	166243524	T	C	1607	V	A	0.448	Likely Benign
SCN2A	2	166243524	T	G	1607	V	G	0.802	Likely Pathogenic
SCN2A	2	166245139	G	A	1608	G	E	0.884	Likely Pathogenic
SCN2A	2	166245139	G	C	1608	G	A	0.925	Likely Pathogenic
SCN2A	2	166245139	G	T	1608	G	V	0.981	Likely Pathogenic
SCN2A	2	166245141	A	C	1609	M	L	0.138	Likely Benign
SCN2A	2	166245141	A	G	1609	M	V	0.44	Likely Benign
SCN2A	2	166245141	A	T	1609	M	L	0.139	Likely Benign
SCN2A	2	166245142	T	A	1609	M	K	0.806	Likely Pathogenic
SCN2A	2	166245142	T	C	1609	M	T	0.266	Likely Benign
SCN2A	2	166245142	T	G	1609	M	R	0.893	Likely Pathogenic
SCN2A	2	166245143	G	A	1609	M	I	0.171	Likely Benign
SCN2A	2	166245143	G	C	1609	M	I	0.17	Likely Benign
SCN2A	2	166245143	G	T	1609	M	I	0.171	Likely Benign
SCN2A	2	166245144	T	A	1610	F	I	0.309	Likely Benign
SCN2A	2	166245144	T	C	1610	F	L	0.168	Likely Benign
SCN2A	2	166245144	T	G	1610	F	V	0.188	Likely Benign
SCN2A	2	166245145	T	A	1610	F	Y	0.79	Likely Pathogenic
SCN2A	2	166245145	T	C	1610	F	S	0.692	Likely Benign
SCN2A	2	166245145	T	G	1610	F	C	0.905	Likely Pathogenic
SCN2A	2	166245146	T	A	1610	F	L	0.155	Likely Benign
SCN2A	2	166245146	T	G	1610	F	L	0.145	Likely Benign
SCN2A	2	166245147	C	A	1611	L	M	0.816	Likely Pathogenic
SCN2A	2	166245147	C	G	1611	L	V	0.835	Likely Pathogenic
SCN2A	2	166245148	T	A	1611	L	Q	0.991	Likely Pathogenic
SCN2A	2	166245148	T	C	1611	L	P	0.986	Likely Pathogenic
SCN2A	2	166245148	T	G	1611	L	R	0.991	Likely Pathogenic
SCN2A	2	166245150	G	A	1612	A	T	0.357	Likely Benign
SCN2A	2	166245150	G	C	1612	A	P	0.689	Likely Benign
SCN2A	2	166245150	G	T	1612	A	S	0.159	Likely Benign
SCN2A	2	166245151	C	A	1612	A	D	0.668	Likely Benign
SCN2A	2	166245151	C	G	1612	A	G	0.711	Likely Benign
SCN2A	2	166245151	C	T	1612	A	V	0.805	Likely Pathogenic
SCN2A	2	166245153	G	A	1613	E	K	0.581	Likely Benign
SCN2A	2	166245153	G	C	1613	E	Q	0.493	Likely Benign
SCN2A	2	166245153	G	T	1613	E	A	0.598	Likely Benign
SCN2A	2	166245154	A	G	1613	E	G	0.715	Likely Benign
SCN2A	2	166245154	A	T	1613	E	V	0.799	Likely Pathogenic
SCN2A	2	166245155	A	C	1613	E	D	0.235	Likely Benign
SCN2A	2	166245155	A	T	1613	E	D	0.241	Likely Benign
SCN2A	2	166245156	C	A	1614	L	M	0.447	Likely Benign
SCN2A	2	166245156	C	G	1614	L	V	0.367	Likely Benign
SCN2A	2	166245157	T	A	1614	L	Q	0.958	Likely Pathogenic
SCN2A	2	166245157	T	C	1614	L	P	0.98	Likely Pathogenic
SCN2A	2	166245157	T	G	1614	L	R	0.966	Likely Pathogenic
SCN2A	2	166245159	A	C	1615	I	V	0.543	Likely Benign
SCN2A	2	166245159	A	G	1615	I	V	0.702	Likely Benign
SCN2A	2	166245159	A	T	1615	I	L	0.544	Likely Benign
SCN2A	2	166245160	A	C	1615	K	K	0.932	Likely Pathogenic
SCN2A	2	166245160	T	C	1615	I	T	0.938	Likely Pathogenic
SCN2A	2	166245160	T	G	1615	I	R	0.961	Likely Pathogenic
SCN2A	2	166245161	A	G	1615	I	M	0.902	Likely Pathogenic
SCN2A	2	166245162	G	A	1616	E	K	0.644	Likely Benign
SCN2A	2	166245162	G	C	1616	E	Q	0.628	Likely Benign
SCN2A	2	166245162	G	T	1616	E	D	0.823	Likely Benign
SCN2A	2	166245163	A	G	1616	E	G	0.779	Likely Benign
SCN2A	2	166245163	A	T	1616	E	V	0.895	Likely Pathogenic
SCN2A	2	166245164	A	C	1616	E	D	0.826	Likely Pathogenic
SCN2A	2	166245164	A	T	1616	E	D	0.839	Likely Pathogenic
SCN2A	2	166245165	A	C	1617	K	Q	0.57	Likely Benign
SCN2A	2	166245165	A	G	1617	K	E	0.675	Likely Benign
SCN2A	2	166245166	A	C	1617	K	T	0.675	Likely Benign
SCN2A	2	166245166	A	G	1617	K	R	0.61	Likely Benign
SCN2A	2	166245166	A	T	1617	K	M	0.882	Likely Pathogenic
SCN2A	2	166245167	G	C	1617	K	N	0.684	Likely Benign
SCN2A	2	166245167	G	T	1617	K	N	0.684	Likely Benign
SCN2A	2	166245168	T	A	1618	Y	N	0.738	Likely Benign
SCN2A	2	166245168	T	C	1618	Y	H	0.809	Likely Pathogenic
SCN2A	2	166245168	T	G	1618	Y	D	0.879	Likely Pathogenic
SCN2A	2	166245169	A	C	1618	Y	S	0.663	Likely Benign
SCN2A	2	166245169	A	G	1618	Y	C	0.953	Likely Pathogenic
SCN2A	2	166245169	A	T	1618	Y	F	0.421	Likely Benign
SCN2A	2	166245171	T	A	1619	F	I	0.908	Likely Pathogenic
SCN2A	2	166245171	T	C	1619	F	L	0.733	Likely Benign
SCN2A	2	166245171	T	G	1619	F	V	0.952	Likely Pathogenic
SCN2A	2	166245172	T	A	1619	F	Y	0.649	Likely Benign
SCN2A	2	166245172	T	C	1619	F	S	0.918	Likely Pathogenic
SCN2A	2	166245172	T	G	1619	F	C	0.989	Likely Pathogenic
SCN2A	2	166245173	T	A	1619	F	L	0.708	Likely Benign
SCN2A	2	166245173	T	G	1619	F	L	0.686	Likely Benign
SCN2A	2	166245174	G	A	1620	V	M	0.827	Likely Pathogenic
SCN2A	2	166245174	G	C	1620

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166848894	A	C	1631	S	A	0.951	Likely Pathoenic
SCN1A	2	166848894	A	G	1631	S	P	0.949	Likely Pathoenic
SCN1A	2	166848894	A	T	1631	S	T	0.967	Likely Pathoenic
SCN1A	2	166848893	G	A	1631	S	F	0.980	Likely Pathoenic
SCN1A	2	166848893	G	C	1631	S	C	0.991	Likely Pathoenic
SCN1A	2	166848893	G	T	1631	S	Y	0.987	Likely Pathoenic
SCN1A	2	166848891	G	A	1632	P	S	0.976	Likely Pathoenic
SCN1A	2	166848891	G	C	1632	P	A	0.970	Likely Pathoenic
SCN1A	2	166848891	G	T	1632	P	T	0.974	Likely Pathoenic
SCN1A	2	166848890	G	A	1632	P	L	0.929	Likely Pathoenic
SCN1A	2	166848890	G	C	1632	P	R	0.982	Likely Pathoenic
SCN1A	2	166848890	G	T	1632	P	H	0.983	Likely Pathoenic
SCN1A	2	166848888	T	A	1633	T	S	0.917	Likely Pathoenic
SCN1A	2	166848888	T	C	1633	T	A	0.941	Likely Pathoenic
SCN1A	2	166848888	T	G	1633	T	P	0.972	Likely Pathoenic
SCN1A	2	166848887	G	A	1633	T	I	0.977	Likely Pathoenic
SCN1A	2	166848887	G	C	1633	T	S	0.931	Likely Pathoenic
SCN1A	2	166848887	G	T	1633	T	N	0.956	Likely Pathoenic
SCN1A	2	166848885	G	C	1634	L	V	0.965	Likely Pathoenic
SCN1A	2	166848885	G	T	1634	L	M	0.986	Likely Pathoenic
SCN1A	2	166848884	A	C	1634	L	R	0.993	Likely Pathoenic
SCN1A	2	166848884	A	G	1634	L	P	0.987	Likely Pathoenic
SCN1A	2	166848884	A	T	1634	L	Q	0.993	Likely Pathoenic
SCN1A	2	166848882	A	C	1635	F	V	0.962	Likely Pathoenic
SCN1A	2	166848882	A	G	1635	F	L	0.789	Likely Pathoenic
SCN1A	2	166848882	A	T	1635	F	I	0.945	Likely Pathoenic
SCN1A	2	166848881	A	C	1635	F	C	0.992	Likely Pathoenic
SCN1A	2	166848881	A	G	1635	F	S	0.987	Likely Pathoenic
SCN1A	2	166848881	A	T	1635	F	Y	0.987	Likely Pathoenic
SCN1A	2	166848880	G	C	1635	F	L	0.619	Likely Benign
SCN1A	2	166848880	G	T	1635	F	L	0.619	Likely Benign
SCN1A	2	166848879	G	C	1636	R	G	0.982	Likely Pathoenic
SCN1A	2	166848878	C	A	1636	R	L	0.988	Likely Pathoenic
SCN1A	2	166848878	C	G	1636	R	P	0.984	Likely Pathoenic
SCN1A	2	166848878	C	T	1636	R	Q	0.983	Likely Pathoenic
SCN1A	2	166848876	C	A	1637	V	L	0.976	Likely Pathoenic
SCN1A	2	166848876	C	G	1637	V	L	0.976	Likely Pathoenic
SCN1A	2	166848876	C	T	1637	V	M	0.987	Likely Pathoenic
SCN1A	2	166848875	A	C	1637	V	G	0.990	Likely Pathoenic
SCN1A	2	166848875	A	G	1637	V	A	0.978	Likely Pathoenic
SCN1A	2	166848875	A	T	1637	V	E	0.994	Likely Pathoenic
SCN1A	2	166848873	T	A	1638	I	F	0.965	Likely Pathoenic
SCN1A	2	166848873	T	C	1638	I	V	0.742	Likely Benign
SCN1A	2	166848873	T	G	1638	I	L	0.675	Likely Benign
SCN1A	2	166848872	A	C	1638	I	S	0.988	Likely Pathoenic
SCN1A	2	166848872	A	G	1638	I	T	0.990	Likely Pathoenic
SCN1A	2	166848872	A	T	1638	I	N	0.993	Likely Pathoenic
SCN1A	2	166848871	G	C	1638	I	M	0.952	Likely Pathoenic
SCN1A	2	166848870	G	A	1639	R	C	0.995	Likely Pathoenic
SCN1A	2	166848870	G	C	1639	R	G	0.995	Likely Pathoenic
SCN1A	2	166848870	G	T	1639	R	S	0.995	Likely Pathoenic
SCN1A	2	166848869	C	A	1639	R	L	0.990	Likely Pathoenic
SCN1A	2	166848869	C	G	1639	R	P	0.996	Likely Pathoenic
SCN1A	2	166848869	C	T	1639	R	H	0.992	Likely Pathoenic
SCN1A	2	166848867	G	A	1640	L	F	0.988	Likely Pathoenic
SCN1A	2	166848867	G	C	1640	L	V	0.912	Likely Pathoenic
SCN1A	2	166848867	G	T	1640	L	I	0.981	Likely Pathoenic
SCN1A	2	166848866	A	C	1640	L	R	0.994	Likely Pathoenic
SCN1A	2	166848866	A	G	1640	L	P	0.992	Likely Pathoenic
SCN1A	2	166848866	A	T	1640	L	H	0.993	Likely Pathoenic
SCN1A	2	166848864	C	A	1641	A	S	0.982	Likely Pathoenic
SCN1A	2	166848864	C	G	1641	A	P	0.991	Likely Pathoenic
SCN1A	2	166848864	C	T	1641	A	T	0.982	Likely Pathoenic
SCN1A	2	166848863	G	A	1641	A	V	0.967	Likely Pathoenic
SCN1A	2	166848863	G	C	1641	A	G	0.991	Likely Pathoenic
SCN1A	2	166848863	G	T	1641	A	D	0.991	Likely Pathoenic
SCN1A	2	166848861	T	A	1642	R	W	0.995	Likely Pathoenic
SCN1A	2	166848861	T	C	1642	R	G	0.995	Likely Pathoenic
SCN1A	2	166848860	C	A	1642	R	M	0.995	Likely Pathoenic
SCN1A	2	166848860	C	G	1642	R	T	0.995	Likely Pathoenic
SCN1A	2	166848860	C	T	1642	R	K	0.979	Likely Pathoenic
SCN1A	2	166848859	C	A	1642	R	S	0.995	Likely Pathoenic
SCN1A	2	166848859	C	G	1642	R	S	0.995	Likely Pathoenic
SCN1A	2	166848858	T	A	1643	I	F	0.992	Likely Pathoenic
SCN1A	2	166848858	T	C	1643	I	V	0.851	Likely Pathoenic
SCN1A	2	166848858	T	G	1643	I	L	0.967	Likely Pathoenic
SCN1A	2	166848857	A	C	1643	I	S	0.982	Likely Pathoenic
SCN1A	2	166848857	A	G	1643	I	T	0.986	Likely Pathoenic
SCN1A	2	166848857	A	T	1643	I	N	0.993	Likely Pathoenic
SCN1A	2	166848856	A	C	1643	I	M	0.984	Likely Pathoenic
SCN1A	2	166848855	C	A	1644	G	C	0.981	Likely Pathoenic
SCN1A	2	166848855	C	G	1644	G	R	0.988	Likely Pathoenic
SCN1A	2	166848855	C	T	1644	G	S	0.978	Likely Pathoenic
SCN1A	2	166848854	C	A	1644	G	V	0.978	Likely Pathoenic
SCN1A	2	166848854	C	G	1644	G	A	0.969	Likely Pathoenic
SCN1A	2	166848854	C	T	1644	G	D	0.991	Likely Pathoenic
SCN1A	2	166848852	G	C	1645	R	G	0.997	Likely Pathoenic
SCN1A	2	166848851	A	C	1645	R	L	0.997	Likely Pathoenic
SCN1A	2	166848851	C	G	1645	R	P	0.998	Likely Pathoenic
SCN1A	2	166848851	C	T	1645	R	Q	0.996	Likely Pathoenic
SCN1A	2	166848849	A	C	1646	I	F	0.982	Likely Pathoenic
SCN1A	2	166848849	T	C	1646	I	V	0.320	Likely Benign
SCN1A	2	166848849	T	G	1646	I	L	0.901	Likely Pathoenic
SCN1A	2	166848848	A	C	1646	I	S	0.981	Likely Pathoenic
SCN1A	2	166848848	A	G	1646	I	T	0.983	Likely Pathoenic
SCN1A	2	166848848	A	T	1646	I	N	0.987	Likely Pathoenic
SCN1A	2	166848847	G	C	1646	I	M	0.971	Likely Pathoenic
SCN1A	2	166848846	G	C	1647	L	V	0.984	Likely Pathoenic
SCN1A	2	166848846	G	T	1647	L	I	0.976	Likely Pathoenic
SCN1A	2	166848845	A	C	1647	L	R	0.996	Likely Pathoenic
SCN1A	2	166848845	A	G	1647	L	P	0.995	Likely Pathoenic
SCN1A	2	166848845	A	T	1647	L	Q	0.996	Likely Pathoenic
SCN1A	2	166848843	G	A	1648	R	C	0.994	Likely Pathoenic
SCN1A	2	166848843	G	C	1648	R	G	0.994	Likely Pathoenic
SCN1A	2	166848843	G	T	1648	R	S	0.993	Likely Pathoenic
SCN1A	2	166848842	C	A	1648	R	L	0.994	Likely Pathoenic
SCN1A	2	166848842	C	G	1648	R	P	0.994	Likely Pathoenic
SCN1A	2	166848842	C	T	1648	R	H	0.985	Likely Pathoenic
SCN1A	2	166848840	G	T	1649	L	V	0.979	Likely Pathoenic
SCN1A	2	166848840	G	T	1649	L	M	0.990	Likely Pathoenic
SCN1A	2	166848839	A	C	1649	L	R	0.996	Likely Pathoenic
SCN1A	2	166848839	A	G	1649	L	P	0.990	Likely Pathoenic
SCN1A	2	166848839	A	T	1649	L	Q	0.996	Likely Pathoenic
SCN1A	2	166848837	T	A	1650	I	F	0.976	Likely Pathoenic
SCN1A	2	166848837	T	C	1650	I	V	0.700	Likely Benign
SCN1A	2	166848837	T	G	1650	I	L	0.905	Likely Pathoenic
SCN1A	2	166848836	A	C	1650	I	S	0.987	Likely Pathoenic
SCN1A	2	166848836	A	G	1650	I	T	0.979	Likely Pathoenic
SCN1A	2	166848836	A	T	1650	I	N	0.993	Likely Pathoenic
SCN1A	2	166848835	G	C	1650	I	M	0.985	Likely Pathoenic
SCN1A	2	166848834	T	C	1651	K	E	0.973	Likely Pathoenic
SCN1A	2	166848834	T	G	1651	K	Q	0.966	Likely Pathoenic
SCN1A	2	166848833	A	T	1651	K	I	0.988	Likely Pathoenic
SCN1A	2	166848833	T	C	1651	K	R	0.225	Likely Benign
SCN1A	2	166848833	T	G	1651	K	T	0.961	Likely Pathoenic
SCN1A	2	166848832	A	T	1651	K	N	0.936	Likely Pathoenic
SCN1A	2	166848832	T	G	1651	K	N	0.936	Likely Pathoenic
SCN1A	2	166848831	C	G	1652	G	R	0.811	Likely Pathoenic
SCN1A	2	166848831	C	T	1652	G	R	0.817	Likely Pathoenic
SCN1A	2	166848830	C	A	1652	G	V	0.958	Likely Pathoenic
SCN1A	2	166848830	C	G	1652	G	A	0.679	Likely Benign
SCN1A	2	166848830	C	T	1652	G	E	0.974	Likely Pathoenic
SCN1A	2	166848828	A	C	1653	A	S	0.981	Likely Pathoenic
SCN1A	2	166848828	C	G	1653	A	P	0.988	Likely Pathoenic
SCN1A	2	166848828	C	T	1653	A	T	0.982	Likely Pathoenic
SCN1A	2	166848827	G	A	1653	A	V	0.974	Likely Pathoenic
SCN1A	2	166848827	G	C	1653	A	G	0.975	Likely Pathoenic
SCN1A	2	166848827	G	T	1653	A	E	0.993	Likely Pathoenic
SCN1A	2	166848825	T	C	1654	K	E	0.944	Likely Pathoenic
SCN1A	2	166848825	T	G	1654	K	Q	0.975	Likely Pathoenic
SCN1A	2	166848824	T	A	1654	K	M	0.992	Likely Pathoenic
SCN1A	2	166848824	T	C	1654	K	R	0.829	Likely Pathoenic
SCN1A	2	166848824	T	G	1654	K	T	0.974	Likely Pathoenic
SCN1A	2	166848823	C	A	1654	K	N	0.980	Likely Pathoenic
SCN1A	2	166848823	C	G	1654	K	N	0.980	Likely Pathoenic
SCN1A	2	166848822	C	A	1655	G	W	0.994	Likely Pathoenic
SCN1A	2	166848822	C	G	1655	G	R	0.979	Likely Pathoenic
SCN1A	2	166848822	C	T	1655	G	R	0.979	Likely Pathoenic
SCN1A	2	166848821	A	C	1655	G	V	0.990	Likely Pathoenic
SCN1A	2	166848821	C	G	1655	G	A	0.987	Likely Pathoenic
SCN1A	2	166848821	C	T	1655	G	E	0.986	Likely Pathoenic
SCN1A	2	166848819	A	C	1656	I	F	0.981	Likely Pathoenic
SCN1A	2	166848819	T	C	1656	I	V	0.978	Likely Pathoenic
SCN1A	2	166848819	T	G	1656	I	L	0.880	Likely Pathoenic
SCN1A	2	166848818	A	C	1656	I	S	0.992	Likely Pathoenic
SCN1A	2	166848818	A	G	1656	I	T	0.992	Likely Pathoenic
SCN1A	2	166848818	A	T	1656	I	N	0.993	Likely Pathoenic
SCN1A	2	166848817	G	C	1656	I	M	0.966	Likely Pathoenic
SCN1A	2	166848816	G	A	1657	R	C	0.995	Likely Pathoenic
SCN1A	2	166848816	G	C	1657	R	G	0.992	Likely Pathoenic
SCN1A	2	166848816	G	T	1657	R	S	0.987	Likely Pathoenic
SCN1A	2	166848815	C	A	1657	R	L	0.995	Likely Pathoenic
SCN1A	2	166848815	C	G	1657	R	P	0.986	Likely Pathoenic
SCN1A	2	166848815	C	T	1657	R	H	0.989	Likely Pathoenic
SCN1A	2	166848813	T	A	1658	T	S	0.975	Likely Pathoenic
SCN1A	2	166848813	T	C	1658	T	A	0.976	Likely Pathoenic
SCN1A	2	166848813	T	G	1658	T	P	0.993	Likely Pathoenic
SCN1A	2	166848812	G	A	1658	T	M	0.980	Likely Pathoenic
SCN1A	2	166848812	G	C	1658	T	R	0.976	Likely Pathoenic
SCN1A	2	166848812	G	T	1658	T	K	0.972	Likely Pathoenic
SCN1A	2	166848810	G	C	1659	L	V	0.919	Likely Pathoenic
SCN1A	2	166848810	G	T	1659	L	M	0.988	Likely Pathoenic
SCN1A	2	166848809	A	C	1659	L	R	0.995	Likely Pathoenic
SCN1A	2	166848809	A	G	1659	L	P	0.996	Likely Pathoenic
SCN1A	2	166848809	A	T	1659	L	Q	0.991	Likely Pathoenic
SCN1A	2	166848807	G	A	1660	L	F	0.984	Likely Pathoenic
SCN1A	2	166848807	G	C	1660	L	V	0.967	Likely Pathoenic
SCN1A	2	166848807	G	T	1660	L	I	0.974	Likely Pathoenic
SCN1A	2	166848806	A	C	1660	L	R	0.993	Likely Pathoenic
SCN1A	2	166848806	A	G	1660	L	P	0.995	Likely Pathoenic
SCN1A	2	166848806	A	T	1660	L	H	0.995	Likely Pathoenic
SCN1A	2	166848804	A	C	1661	F	V	0.978	Likely Pathoenic
SCN1A	2	166848804	A	G	1661	F	I	0.967	Likely Pathoenic
SCN1A	2	166848804	A	T	1661	F	L	0.974	Likely Pathoenic
SCN1A	2	166848803	A	C	1661	F	C	0.991	Likely Pathoenic
SCN1A	2	166848803	A	G	1661	F	S	0.970	Likely Pathoenic
SCN1A	2	166848803	A	T	1661	F	Y	0.980	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166245195	G	C	1627	V	L	0.796	Likely Pathogenic
SCN2A	2	166245195	G	T	1627	V	L	0.795	Likely Pathogenic
SCN2A	2	166245196	T	A	1627	V	E	0.994	Likely Pathogenic
SCN2A	2	166245196	T	C	1627	V	A	0.955	Likely Pathogenic
SCN2A	2	166245196	T	G	1627	V	G	0.993	Likely Pathogenic
SCN2A	2	166245198	A	C	1628	I	L	0.402	Likely Benign
SCN2A	2	166245198	A	G	1628	I	V	0.256	Likely Benign
SCN2A	2	166245198	A	T	1628	I	F	0.906	Likely Pathogenic
SCN2A	2	166245199	T	A	1628	I	N	0.989	Likely Pathogenic
SCN2A	2	166245199	T	C	1628	I	T	0.988	Likely Pathogenic
SCN2A	2	166245199	T	G	1628	I	S	0.984	Likely Pathogenic
SCN2A	2	166245200	C	T	1628	I	M	0.82	Likely Pathogenic
SCN2A	2	166245201	C	A	1629	R	S	0.995	Likely Pathogenic
SCN2A	2	166245201	C	G	1629	R	G	0.995	Likely Pathogenic
SCN2A	2	166245201	C	T	1629	R	C	0.994	Likely Pathogenic
SCN2A	2	166245202	G	A	1629	R	H	0.994	Likely Pathogenic
SCN2A	2	166245202	G	C	1629	R	P	0.995	Likely Pathogenic
SCN2A	2	166245202	G	T	1629	R	L	0.991	Likely Pathogenic
SCN2A	2	166245204	C	A	1630	L	I	0.887	Likely Pathogenic
SCN2A	2	166245204	C	G	1630	L	V	0.525	Likely Benign
SCN2A	2	166245204	C	T	1630	L	F	0.97	Likely Pathogenic
SCN2A	2	166245205	T	A	1630	L	H	0.992	Likely Pathogenic
SCN2A	2	166245205	T	C	1630	L	P	0.99	Likely Pathogenic
SCN2A	2	166245205	T	G	1630	L	R	0.992	Likely Pathogenic
SCN2A	2	166245207	G	A	1631	A	T	0.966	Likely Pathogenic
SCN2A	2	166245207	G	C	1631	A	P	0.989	Likely Pathogenic
SCN2A	2	166245207	G	T	1631	A	S	0.963	Likely Pathogenic
SCN2A	2	166245208	C	A	1631	A	D	0.991	Likely Pathogenic
SCN2A	2	166245208	C	G	1631	A	G	0.99	Likely Pathogenic
SCN2A	2	166245208	C	T	1631	A	V	0.839	Likely Pathogenic
SCN2A	2	166245210	G	A	1632	R	G	0.994	Likely Pathogenic
SCN2A	2	166245210	A	T	1632	R	W	0.994	Likely Pathogenic
SCN2A	2	166245211	G	A	1632	R	K	0.605	Likely Benign
SCN2A	2	166245211	G	C	1632	R	T	0.995	Likely Pathogenic
SCN2A	2	166245211	G	T	1632	R	M	0.994	Likely Pathogenic
SCN2A	2	166245212	G	C	1632	R	S	0.994	Likely Pathogenic
SCN2A	2	166245212	G	T	1632	R	S	0.994	Likely Pathogenic
SCN2A	2	166245213	A	C	1633	I	L	0.778	Likely Benign
SCN2A	2	166245213	A	G	1633	I	V	0.348	Likely Benign
SCN2A	2	166245213	A	T	1633	I	F	0.991	Likely Pathogenic
SCN2A	2	166245214	T	A	1633	I	N	0.993	Likely Pathogenic
SCN2A	2	166245214	T	C	1633	I	T	0.979	Likely Pathogenic
SCN2A	2	166245214	T	G	1633	I	S	0.977	Likely Pathogenic
SCN2A	2	166245215	T	G	1633	M	M	0.98	Likely Pathogenic
SCN2A	2	166245216	G	A	1634	G	S	0.944	Likely Pathogenic
SCN2A	2	166245216	G	C	1634	G	R	0.987	Likely Pathogenic
SCN2A	2	166245216	G	T	1634	G	C	0.979	Likely Pathogenic
SCN2A	2	166245217	G	A	1634	G	D	0.989	Likely Pathogenic
SCN2A	2	166245217	G	C	1634	G	A	0.831	Likely Pathogenic
SCN2A	2	166245217	G	T	1634	G	V	0.912	Likely Pathogenic
SCN2A	2	166245219	C	G	1635	R	G	0.997	Likely Pathogenic
SCN2A	2	166245220	G	A	1635	R	Q	0.997	Likely Pathogenic
SCN2A	2	166245220	G	C	1635	R	R	0.998	Likely Pathogenic
SCN2A	2	166245220	G	T	1635	R	L	0.997	Likely Pathogenic
SCN2A	2	166245222	A	C	1636	I	L	0.516	Likely Benign
SCN2A	2	166245222	A	G	1636	I	V	0.174	Likely Benign
SCN2A	2	166245222	A	T	1636	I	F	0.918	Likely Pathogenic
SCN2A	2	166245223	T	A	1636	I	N	0.975	Likely Pathogenic
SCN2A	2	166245223	T	C	1636	I	T	0.937	Likely Pathogenic
SCN2A	2	166245223	T	G	1636	I	S	0.961	Likely Pathogenic
SCN2A	2	166245224	C	G	1636	I	M	0.753	Likely Benign
SCN2A	2	166245225	C	A	1637	L	I	0.932	Likely Pathogenic
SCN2A	2	166245225	C	G	1637	L	V	0.949	Likely Pathogenic
SCN2A	2	166245226	T	A	1637	L	Q	0.996	Likely Pathogenic
SCN2A	2	166245226	T	C	1637	L	P	0.995	Likely Pathogenic
SCN2A	2	166245226	T	G	1637	L	R	0.995	Likely Pathogenic
SCN2A	2	166245228	C	A	1638	R	S	0.993	Likely Pathogenic
SCN2A	2	166245228	C	G	1638	R	G	0.994	Likely Pathogenic
SCN2A	2	166245228	C	T	1638	R	C	0.992	Likely Pathogenic
SCN2A	2	166245229	G	A	1638	R	H	0.983	Likely Pathogenic
SCN2A	2	166245229	G	C	1638	R	P	0.993	Likely Pathogenic
SCN2A	2	166245229	G	T	1638	R	L	0.993	Likely Pathogenic
SCN2A	2	166245231	C	A	1639	L	M	0.987	Likely Pathogenic
SCN2A	2	166245231	C	G	1639	L	V	0.927	Likely Pathogenic
SCN2A	2	166245231	C	T	1639	L	Q	0.996	Likely Pathogenic
SCN2A	2	166245232	T	C	1639	L	P	0.991	Likely Pathogenic
SCN2A	2	166245232	T	G	1639	L	R	0.996	Likely Pathogenic
SCN2A	2	166245234	A	C	1640	I	L	0.708	Likely Benign
SCN2A	2	166245234	A	G	1640	I	V	0.373	Likely Benign
SCN2A	2	166245234	A	T	1640	I	F	0.964	Likely Pathogenic
SCN2A	2	166245235	T	A	1640	I	N	0.993	Likely Pathogenic
SCN2A	2	166245235	T	C	1640	I	T	0.968	Likely Pathogenic
SCN2A	2	166245235	T	G	1640	I	S	0.982	Likely Pathogenic
SCN2A	2	166245236	C	G	1640	I	M	0.964	Likely Pathogenic
SCN2A	2	166245237	A	C	1641	K	Q	0.876	Likely Pathogenic
SCN2A	2	166245237	A	G	1641	K	E	0.904	Likely Pathogenic
SCN2A	2	166245238	A	C	1641	K	T	0.919	Likely Pathogenic
SCN2A	2	166245238	A	G	1641	K	R	0.172	Likely Benign
SCN2A	2	166245238	A	T	1641	K	I	0.987	Likely Pathogenic
SCN2A	2	166245239	A	C	1641	K	N	0.903	Likely Pathogenic
SCN2A	2	166245239	A	G	1641	K	N	0.904	Likely Pathogenic
SCN2A	2	166245240	G	A	1642	G	R	0.666	Likely Benign
SCN2A	2	166245240	G	C	1642	G	R	0.658	Likely Benign
SCN2A	2	166245241	G	A	1642	G	E	0.89	Likely Pathogenic
SCN2A	2	166245241	G	C	1642	G	A	0.347	Likely Benign
SCN2A	2	166245241	G	T	1642	G	V	0.772	Likely Benign
SCN2A	2	166245243	G	A	1643	A	T	0.982	Likely Pathogenic
SCN2A	2	166245243	G	C	1643	A	P	0.985	Likely Pathogenic
SCN2A	2	166245243	G	T	1643	A	S	0.969	Likely Pathogenic
SCN2A	2	166245244	C	A	1643	A	E	0.994	Likely Pathogenic
SCN2A	2	166245244	C	G	1643	A	G	0.951	Likely Pathogenic
SCN2A	2	166245244	C	T	1643	A	V	0.964	Likely Pathogenic
SCN2A	2	166245246	A	C	1644	K	Q	0.962	Likely Pathogenic
SCN2A	2	166245246	A	G	1644	K	E	0.847	Likely Pathogenic
SCN2A	2	166245247	A	C	1644	K	T	0.973	Likely Pathogenic
SCN2A	2	166245247	A	G	1644	K	R	0.762	Likely Benign
SCN2A	2	166245247	A	T	1644	K	M	0.993	Likely Pathogenic
SCN2A	2	166245248	G	C	1644	K	N	0.975	Likely Pathogenic
SCN2A	2	166245248	G	T	1644	K	N	0.975	Likely Pathogenic
SCN2A	2	166245249	G	A	1645	R	G	0.972	Likely Pathogenic
SCN2A	2	166245249	G	C	1645	G	R	0.971	Likely Pathogenic
SCN2A	2	166245249	G	T	1645	G	W	0.993	Likely Pathogenic
SCN2A	2	166245250	G	A	1645	G	E	0.984	Likely Pathogenic
SCN2A	2	166245250	G	C	1645	G	A	0.985	Likely Pathogenic
SCN2A	2	166245250	G	T	1645	G	V	0.99	Likely Pathogenic
SCN2A	2	166245252	A	C	1646	I	L	0.851	Likely Pathogenic
SCN2A	2	166245252	A	G	1646	I	V	0.953	Likely Pathogenic
SCN2A	2	166245252	A	T	1646	I	F	0.973	Likely Pathogenic
SCN2A	2	166245253	T	A	1646	I	N	0.994	Likely Pathogenic
SCN2A	2	166245253	T	C	1646	I	T	0.992	Likely Pathogenic
SCN2A	2	166245253	T	G	1646	I	S	0.992	Likely Pathogenic
SCN2A	2	166245254	C	G	1646	I	M	0.826	Likely Pathogenic
SCN2A	2	166245255	C	A	1647	R	S	0.977	Likely Pathogenic
SCN2A	2	166245255	C	G	1647	R	G	0.99	Likely Pathogenic
SCN2A	2	166245255	C	T	1647	R	C	0.993	Likely Pathogenic
SCN2A	2	166245256	A	C	1647	R	H	0.987	Likely Pathogenic
SCN2A	2	166245256	G	C	1647	R	P	0.979	Likely Pathogenic
SCN2A	2	166245256	G	T	1647	R	L	0.995	Likely Pathogenic
SCN2A	2	166245258	A	C	1648	T	P	0.993	Likely Pathogenic
SCN2A	2	166245258	A	G	1648	T	A	0.956	Likely Pathogenic
SCN2A	2	166245258	A	T	1648	T	S	0.953	Likely Pathogenic
SCN2A	2	166245259	C	A	1648	T	K	0.879	Likely Pathogenic
SCN2A	2	166245259	C	G	1648	T	R	0.89	Likely Pathogenic
SCN2A	2	166245259	C	T	1648	T	M	0.956	Likely Pathogenic
SCN2A	2	166245261	C	A	1649	L	M	0.987	Likely Pathogenic
SCN2A	2	166245261	C	G	1649	L	V	0.911	Likely Pathogenic
SCN2A	2	166245262	T	A	1649	L	Q	0.99	Likely Pathogenic
SCN2A	2	166245262	T	C	1649	L	P	0.996	Likely Pathogenic
SCN2A	2	166245262	T	G	1649	L	R	0.995	Likely Pathogenic
SCN2A	2	166245264	C	A	1650	L	I	0.811	Likely Pathogenic
SCN2A	2	166245264	C	G	1650	L	V	0.693	Likely Benign
SCN2A	2	166245264	C	T	1650	L	F	0.954	Likely Pathogenic
SCN2A	2	166245265	T	A	1650	L	H	0.995	Likely Pathogenic
SCN2A	2	166245265	T	C	1650	L	P	0.995	Likely Pathogenic
SCN2A	2	166245265	T	G	1650	L	R	0.993	Likely Pathogenic
SCN2A	2	166245267	T	A	1651	F	I	0.936	Likely Pathogenic
SCN2A	2	166245267	T	C	1651	F	L	0.881	Likely Pathogenic
SCN2A	2	166245267	T	G	1651	F	V	0.966	Likely Pathogenic
SCN2A	2	166245268	T	A	1651	F	Y	0.961	Likely Pathogenic
SCN2A	2	166245268	T	C	1651	F	S	0.942	Likely Pathogenic
SCN2A	2	166245268	T	G	1651

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166848802	A	C	1661	F	L	0.880	Likely Pathoenic
SCN1A	2	166848802	A	T	1661	F	L	0.880	Likely Pathoenic
SCN1A	2	166848801	C	A	1662	A	S	0.970	Likely Pathoenic
SCN1A	2	166848801	C	G	1662	A	P	0.987	Likely Pathoenic
SCN1A	2	166848801	C	T	1662	A	T	0.972	Likely Pathoenic
SCN1A	2	166848800	G	A	1662	A	V	0.986	Likely Pathoenic
SCN1A	2	166848800	G	C	1662	A	G	0.982	Likely Pathoenic
SCN1A	2	166848800	G	T	1662	A	D	0.993	Likely Pathoenic
SCN1A	2	166848798	A	C	1663	L	V	0.970	Likely Pathoenic
SCN1A	2	166848798	A	T	1663	L	M	0.974	Likely Pathoenic
SCN1A	2	166848797	A	C	1663	L	W	0.996	Likely Pathoenic
SCN1A	2	166848797	G	A	1663	L	S	0.995	Likely Pathoenic
SCN1A	2	166848796	C	A	1663	L	F	0.980	Likely Pathoenic
SCN1A	2	166848796	C	G	1663	L	F	0.980	Likely Pathoenic
SCN1A	2	166848795	T	A	1664	M	L	0.670	Likely Benign
SCN1A	2	166848795	T	C	1664	M	V	0.878	Likely Pathoenic
SCN1A	2	166848795	T	G	1664	M	L	0.668	Likely Benign
SCN1A	2	166848794	A	C	1664	M	R	0.980	Likely Pathoenic
SCN1A	2	166848794	A	G	1664	M	T	0.980	Likely Pathoenic
SCN1A	2	166848794	A	T	1664	M	K	0.983	Likely Pathoenic
SCN1A	2	166848793	C	A	1664	M	I	0.944	Likely Pathoenic
SCN1A	2	166848793	C	G	1664	M	I	0.947	Likely Pathoenic
SCN1A	2	166848793	C	T	1664	M	I	0.946	Likely Pathoenic
SCN1A	2	166848792	T	A	1665	M	L	0.961	Likely Pathoenic
SCN1A	2	166848792	T	C	1665	M	V	0.970	Likely Pathoenic
SCN1A	2	166848792	T	G	1665	M	L	0.961	Likely Pathoenic
SCN1A	2	166848791	A	C	1665	M	R	0.950	Likely Pathoenic
SCN1A	2	166848791	A	G	1665	M	T	0.972	Likely Pathoenic
SCN1A	2	166848791	A	T	1665	M	K	0.942	Likely Pathoenic
SCN1A	2	166848790	C	A	1665	M	I	0.975	Likely Pathoenic
SCN1A	2	166848790	C	G	1665	M	I	0.975	Likely Pathoenic
SCN1A	2	166848790	C	T	1665	M	I	0.975	Likely Pathoenic
SCN1A	2	166848789	A	C	1666	S	A	0.971	Likely Pathoenic
SCN1A	2	166848789	A	G	1666	S	P	0.995	Likely Pathoenic
SCN1A	2	166848789	A	T	1666	S	T	0.980	Likely Pathoenic
SCN1A	2	166848788	G	A	1666	S	F	0.995	Likely Pathoenic
SCN1A	2	166848788	G	C	1666	S	C	0.995	Likely Pathoenic
SCN1A	2	166848788	G	T	1666	S	Y	0.996	Likely Pathoenic
SCN1A	2	166848786	G	A	1667	L	F	0.977	Likely Pathoenic
SCN1A	2	166848786	G	C	1667	L	V	0.971	Likely Pathoenic
SCN1A	2	166848786	G	T	1667	L	I	0.975	Likely Pathoenic
SCN1A	2	166848785	A	C	1667	L	R	0.994	Likely Pathoenic
SCN1A	2	166848785	A	G	1667	L	P	0.994	Likely Pathoenic
SCN1A	2	166848785	A	T	1667	L	H	0.994	Likely Pathoenic
SCN1A	2	166848783	G	A	1668	P	S	0.978	Likely Pathoenic
SCN1A	2	166848783	G	C	1668	P	A	0.987	Likely Pathoenic
SCN1A	2	166848783	G	T	1668	P	T	0.992	Likely Pathoenic
SCN1A	2	166848782	G	A	1668	P	L	0.987	Likely Pathoenic
SCN1A	2	166848782	G	C	1668	P	R	0.960	Likely Pathoenic
SCN1A	2	166848782	G	T	1668	P	H	0.989	Likely Pathoenic
SCN1A	2	166848780	C	A	1669	A	S	0.967	Likely Pathoenic
SCN1A	2	166848780	C	G	1669	A	P	0.980	Likely Pathoenic
SCN1A	2	166848780	C	T	1669	A	T	0.984	Likely Pathoenic
SCN1A	2	166848779	G	A	1669	A	V	0.993	Likely Pathoenic
SCN1A	2	166848779	G	C	1669	A	G	0.978	Likely Pathoenic
SCN1A	2	166848779	G	T	1669	A	E	0.987	Likely Pathoenic
SCN1A	2	166848777	A	C	1670	L	V	0.975	Likely Pathoenic
SCN1A	2	166848777	A	T	1670	L	M	0.979	Likely Pathoenic
SCN1A	2	166848776	A	C	1670	L	W	0.995	Likely Pathoenic
SCN1A	2	166848776	A	G	1670	L	S	0.995	Likely Pathoenic
SCN1A	2	166848775	C	A	1670	L	F	0.980	Likely Pathoenic
SCN1A	2	166848775	C	G	1670	L	F	0.979	Likely Pathoenic
SCN1A	2	166848774	A	C	1671	F	V	0.951	Likely Pathoenic
SCN1A	2	166848774	A	G	1671	F	L	0.888	Likely Pathoenic
SCN1A	2	166848774	A	T	1671	F	I	0.966	Likely Pathoenic
SCN1A	2	166848773	A	C	1671	F	C	0.984	Likely Pathoenic
SCN1A	2	166848773	A	G	1671	F	S	0.973	Likely Pathoenic
SCN1A	2	166848773	A	T	1671	F	Y	0.981	Likely Pathoenic
SCN1A	2	166848772	A	C	1671	F	L	0.771	Likely Benign
SCN1A	2	166848772	A	T	1671	F	L	0.772	Likely Benign
SCN1A	2	166848771	T	A	1672	N	Y	0.974	Likely Pathoenic
SCN1A	2	166848771	T	C	1672	N	D	0.982	Likely Pathoenic
SCN1A	2	166848771	T	G	1672	N	H	0.981	Likely Pathoenic
SCN1A	2	166848770	T	A	1672	N	I	0.993	Likely Pathoenic
SCN1A	2	166848770	T	C	1672	N	S	0.973	Likely Pathoenic
SCN1A	2	166848770	T	G	1672	N	T	0.987	Likely Pathoenic
SCN1A	2	166848769	G	C	1672	N	K	0.993	Likely Pathoenic
SCN1A	2	166848769	G	T	1672	N	K	0.993	Likely Pathoenic
SCN1A	2	166848768	T	A	1673	I	F	0.979	Likely Pathoenic
SCN1A	2	166848768	T	C	1673	I	V	0.779	Likely Benign
SCN1A	2	166848768	T	G	1673	I	L	0.956	Likely Pathoenic
SCN1A	2	166848767	A	C	1673	I	S	0.992	Likely Pathoenic
SCN1A	2	166848767	A	G	1673	I	T	0.991	Likely Pathoenic
SCN1A	2	166848767	A	T	1673	I	N	0.993	Likely Pathoenic
SCN1A	2	166848766	G	C	1673	I	M	0.992	Likely Pathoenic
SCN1A	2	166848765	C	A	1674	G	C	0.939	Likely Pathoenic
SCN1A	2	166848765	C	G	1674	G	R	0.987	Likely Pathoenic
SCN1A	2	166848765	C	T	1674	G	S	0.975	Likely Pathoenic
SCN1A	2	166848764	C	A	1674	G	V	0.974	Likely Pathoenic
SCN1A	2	166848764	C	G	1674	G	A	0.906	Likely Pathoenic
SCN1A	2	166848764	C	T	1674	G	D	0.992	Likely Pathoenic
SCN1A	2	166848762	G	A	1675	L	F	0.982	Likely Pathoenic
SCN1A	2	166848762	G	C	1675	L	V	0.984	Likely Pathoenic
SCN1A	2	166848762	G	T	1675	L	I	0.985	Likely Pathoenic
SCN1A	2	166848761	A	C	1675	L	R	0.996	Likely Pathoenic
SCN1A	2	166848761	A	G	1675	L	P	0.995	Likely Pathoenic
SCN1A	2	166848761	A	T	1675	L	H	0.996	Likely Pathoenic
SCN1A	2	166848759	C	G	1676	V	V	0.923	Likely Pathoenic
SCN1A	2	166848759	G	T	1676	L	I	0.985	Likely Pathoenic
SCN1A	2	166848758	A	C	1676	L	R	0.996	Likely Pathoenic
SCN1A	2	166848758	A	G	1676	L	P	0.996	Likely Pathoenic
SCN1A	2	166848758	A	T	1676	L	Q	0.995	Likely Pathoenic
SCN1A	2	166848756	G	A	1677	L	F	0.985	Likely Pathoenic
SCN1A	2	166848756	G	C	1677	L	V	0.985	Likely Pathoenic
SCN1A	2	166848756	G	T	1677	L	I	0.977	Likely Pathoenic
SCN1A	2	166848755	A	C	1677	L	R	0.995	Likely Pathoenic
SCN1A	2	166848755	A	G	1677	L	P	0.995	Likely Pathoenic
SCN1A	2	166848755	A	T	1677	L	H	0.995	Likely Pathoenic
SCN1A	2	166848753	A	C	1678	F	V	0.918	Likely Pathoenic
SCN1A	2	166848753	A	G	1678	F	L	0.755	Likely Benign
SCN1A	2	166848753	A	T	1678	F	I	0.913	Likely Pathoenic
SCN1A	2	166848752	A	C	1678	F	C	0.974	Likely Pathoenic
SCN1A	2	166848752	A	G	1678	F	S	0.972	Likely Pathoenic
SCN1A	2	166848752	A	T	1678	F	Y	0.985	Likely Pathoenic
SCN1A	2	166848751	G	C	1678	F	L	0.554	Likely Benign
SCN1A	2	166848751	G	T	1678	F	L	0.557	Likely Benign
SCN1A	2	166848750	C	G	1679	L	V	0.975	Likely Pathoenic
SCN1A	2	166848750	G	T	1679	L	I	0.892	Likely Pathoenic
SCN1A	2	166848749	A	C	1679	L	R	0.995	Likely Pathoenic
SCN1A	2	166848749	A	G	1679	L	P	0.995	Likely Pathoenic
SCN1A	2	166848749	A	T	1679	L	Q	0.995	Likely Pathoenic
SCN1A	2	166848747	C	A	1680	V	F	0.970	Likely Pathoenic
SCN1A	2	166848747	C	G	1680	V	L	0.963	Likely Pathoenic
SCN1A	2	166848747	C	T	1680	V	I	0.943	Likely Pathoenic
SCN1A	2	166848746	A	C	1680	V	G	0.987	Likely Pathoenic
SCN1A	2	166848746	A	G	1680	V	A	0.984	Likely Pathoenic
SCN1A	2	166848746	A	T	1680	V	D	0.992	Likely Pathoenic
SCN1A	2	166848744	T	A	1681	M	L	0.927	Likely Pathoenic
SCN1A	2	166848744	T	C	1681	M	V	0.967	Likely Pathoenic
SCN1A	2	166848744	T	G	1681	M	L	0.927	Likely Pathoenic
SCN1A	2	166848743	A	C	1681	M	R	0.991	Likely Pathoenic
SCN1A	2	166848743	A	G	1681	M	T	0.982	Likely Pathoenic
SCN1A	2	166848743	A	T	1681	M	K	0.991	Likely Pathoenic
SCN1A	2	166848742	C	A	1681	M	I	0.957	Likely Pathoenic
SCN1A	2	166848742	C	G	1681	M	I	0.959	Likely Pathoenic
SCN1A	2	166848742	C	T	1681	M	I	0.958	Likely Pathoenic
SCN1A	2	166848741	A	C	1682	F	V	0.980	Likely Pathoenic
SCN1A	2	166848741	A	G	1682	F	L	0.972	Likely Pathoenic
SCN1A	2	166848741	A	T	1682	F	I	0.982	Likely Pathoenic
SCN1A	2	166848740	A	C	1682	F	C	0.987	Likely Pathoenic
SCN1A	2	166848740	A	G	1682	F	S	0.988	Likely Pathoenic
SCN1A	2	166848740	A	T	1682	F	Y	0.975	Likely Pathoenic
SCN1A	2	166848739	G	C	1682	F	L	0.935	Likely Pathoenic
SCN1A	2	166848739	G	T	1682	F	L	0.934	Likely Pathoenic
SCN1A	2	166848738	T	A	1683	I	F	0.990	Likely Pathoenic
SCN1A	2	166848738	T	C	1683	I	V	0.972	Likely Pathoenic
SCN1A	2	166848738	T	G	1683	I	L	0.987	Likely Pathoenic
SCN1A	2	166848737	A	C	1683	I	S	0.992	Likely Pathoenic
SCN1A	2	166848737	A	G	1683	I	T	0.991	Likely Pathoenic
SCN1A	2	166848737	A	T	1683	I	N	0.996	Likely Pathoenic
SCN1A	2	166848736	G	C	1683	I	M	0.976	Likely Pathoenic
SCN1A	2	166848735	A	C	1684	Y	D	0.992	Likely Pathoenic
SCN1A	2	166848735	A	G	1684	Y	H	0.990	Likely Pathoenic
SCN1A	2	166848735	A	T	1684	Y	N	0.992	Likely Pathoenic
SCN1A	2	166848734	T	A	1684	Y	F	0.219	Likely Benign
SCN1A	2	166848734	T	C	1684	Y	C	0.984	Likely Pathoenic
SCN1A	2	166848734	T	G	1684	Y	S	0.978	Likely Pathoenic
SCN1A	2	166848732	C	A	1685	A	S	0.387	Likely Benign
SCN1A	2	166848732	C	G	1685	A	P	0.991	Likely Pathoenic
SCN1A	2	166848732	C	T	1685	A	T	0.976	Likely Pathoenic
SCN1A	2	166848731	G	A	1685	A	V	0.989	Likely Pathoenic
SCN1A	2	166848731	G	C	1685	A	G	0.971	Likely Pathoenic
SCN1A	2	166848731	G	T	1685	A	D	0.992	Likely Pathoenic
SCN1A	2	166848729	T	A	1686	I	F	0.991	Likely Pathoenic
SCN1A	2	166848729	T	C	1686	I	V	0.966	Likely Pathoenic
SCN1A	2	166848729	T	G	1686	I	L	0.971	Likely Pathoenic
SCN1A	2	166848728	A	C	1686	I	S	0.993	Likely Pathoenic
SCN1A	2	166848728	A	G	1686	I	T	0.989	Likely Pathoenic
SCN1A	2	166848728	A	T	1686	I	N	0.994	Likely Pathoenic
SCN1A	2	166848727	G	C	1686	I	M	0.992	Likely Pathoenic
SCN1A	2	166848726	A	C	1687	F	V	0.946	Likely Pathoenic
SCN1A	2	166848726	A	G	1687	F	L	0.917	Likely Pathoenic
SCN1A	2	166848726	A	T	1687	F	I	0.857	Likely Pathoenic
SCN1A	2	166848725	A	C	1687	F	C	0.980	Likely Pathoenic
SCN1A	2	166848725	A	G	1687	F	S	0.984	Likely Pathoenic
SCN1A	2	166848725	A	T	1687	F	Y	0.982	Likely Pathoenic
SCN1A	2	166848724	A	C	1687	F	L	0.741	Likely Benign
SCN1A	2	166848724	A	T	1687	F	L	0.739	Likely Benign
SCN1A	2	166848723	C	A	1688	G	W	0.992	Likely Pathoenic
SCN1A	2	166848723	C	G	1688	G	R	0.992	Likely Pathoenic
SCN1A	2	166848723	C	T	1688	G	R	0.992	Likely Pathoenic
SCN1A	2	166848722	C	A	1688	G	V	0.987	Likely Pathoenic
SCN1A	2	166848722	C	G	1688	G	A	0.915	Likely Pathoenic
SCN1A	2	166848722	C	T	1688	G	E	0.989	Likely Pathoenic
SCN1A	2	166848720	T	A	1689	M	L	0.977	Likely Pathoenic
SCN1A	2	166848720	T	C	1689	M	V	0.954	Likely Pathoenic
SCN1A	2	166848720	T	G	1689	M	L	0.977	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166245283	C	G	1656	S	C	0.993	Likely Pathogenic
SCN2A	2	166245283	C	T	1656	S	F	0.995	Likely Pathogenic
SCN2A	2	166245285	C	A	1657	L	I	0.884	Likely Pathogenic
SCN2A	2	166245285	C	G	1657	L	V	0.932	Likely Pathogenic
SCN2A	2	166245285	C	T	1657	L	F	0.939	Likely Pathogenic
SCN2A	2	166245286	T	A	1657	L	H	0.994	Likely Pathogenic
SCN2A	2	166245286	T	C	1657	L	P	0.994	Likely Pathogenic
SCN2A	2	166245286	T	G	1657	L	R	0.994	Likely Pathogenic
SCN2A	2	166245288	C	A	1658	P	T	0.99	Likely Pathogenic
SCN2A	2	166245288	C	G	1658	P	A	0.984	Likely Pathogenic
SCN2A	2	166245288	C	T	1658	P	S	0.97	Likely Pathogenic
SCN2A	2	166245289	C	A	1658	P	H	0.981	Likely Pathogenic
SCN2A	2	166245289	C	G	1658	P	R	0.917	Likely Pathogenic
SCN2A	2	166245289	C	T	1658	P	L	0.976	Likely Pathogenic
SCN2A	2	166245291	G	A	1659	A	T	0.959	Likely Pathogenic
SCN2A	2	166245291	G	C	1659	A	P	0.938	Likely Pathogenic
SCN2A	2	166245291	G	T	1659	A	S	0.652	Likely Benign
SCN2A	2	166245292	A	G	1659	A	E	0.982	Likely Pathogenic
SCN2A	2	166245292	C	G	1659	A	G	0.947	Likely Pathogenic
SCN2A	2	166245292	C	T	1659	A	V	0.99	Likely Pathogenic
SCN2A	2	166245294	T	A	1660	L	M	0.972	Likely Pathogenic
SCN2A	2	166245294	T	G	1660	L	V	0.976	Likely Pathogenic
SCN2A	2	166245295	T	C	1660	L	S	0.995	Likely Pathogenic
SCN2A	2	166245295	T	G	1660	L	W	0.995	Likely Pathogenic
SCN2A	2	166245296	G	C	1660	L	F	0.983	Likely Pathogenic
SCN2A	2	166245296	G	T	1660	L	F	0.983	Likely Pathogenic
SCN2A	2	166245297	T	A	1661	F	I	0.927	Likely Pathogenic
SCN2A	2	166245297	T	C	1661	F	L	0.658	Likely Benign
SCN2A	2	166245297	T	G	1661	F	V	0.922	Likely Pathogenic
SCN2A	2	166245298	T	A	1661	F	Y	0.979	Likely Pathogenic
SCN2A	2	166245298	T	C	1661	F	S	0.959	Likely Pathogenic
SCN2A	2	166245298	T	G	1661	F	C	0.983	Likely Pathogenic
SCN2A	2	166245299	T	A	1661	F	L	0.625	Likely Benign
SCN2A	2	166245299	T	G	1661	F	L	0.622	Likely Benign
SCN2A	2	166245300	A	C	1662	N	H	0.965	Likely Pathogenic
SCN2A	2	166245300	A	G	1662	N	D	0.955	Likely Pathogenic
SCN2A	2	166245300	A	T	1662	N	Y	0.968	Likely Pathogenic
SCN2A	2	166245301	A	C	1662	N	T	0.981	Likely Pathogenic
SCN2A	2	166245301	A	G	1662	N	S	0.909	Likely Pathogenic
SCN2A	2	166245301	A	T	1662	N	I	0.993	Likely Pathogenic
SCN2A	2	166245302	C	A	1662	N	K	0.987	Likely Pathogenic
SCN2A	2	166245302	C	G	1662	N	K	0.987	Likely Pathogenic
SCN2A	2	166245303	A	C	1663	I	L	0.78	Likely Benign
SCN2A	2	166245303	A	G	1663	I	V	0.466	Likely Benign
SCN2A	2	166245303	A	T	1663	I	F	0.954	Likely Pathogenic
SCN2A	2	166245304	T	A	1663	I	N	0.993	Likely Pathogenic
SCN2A	2	166245304	T	C	1663	I	T	0.99	Likely Pathogenic
SCN2A	2	166245304	T	G	1663	I	S	0.991	Likely Pathogenic
SCN2A	2	166245305	C	G	1663	I	M	0.992	Likely Pathogenic
SCN2A	2	166245306	G	A	1664	G	S	0.904	Likely Pathogenic
SCN2A	2	166245306	G	C	1664	G	R	0.988	Likely Pathogenic
SCN2A	2	166245306	G	T	1664	G	C	0.656	Likely Benign
SCN2A	2	166245307	G	A	1664	G	D	0.989	Likely Pathogenic
SCN2A	2	166245307	G	C	1664	G	A	0.502	Likely Benign
SCN2A	2	166245307	G	T	1664	G	V	0.894	Likely Pathogenic
SCN2A	2	166245309	A	C	1665	L	I	0.949	Likely Pathogenic
SCN2A	2	166245309	C	G	1665	L	V	0.953	Likely Pathogenic
SCN2A	2	166245309	C	T	1665	L	F	0.96	Likely Pathogenic
SCN2A	2	166245310	T	A	1665	L	H	0.996	Likely Pathogenic
SCN2A	2	166245310	T	C	1665	L	P	0.996	Likely Pathogenic
SCN2A	2	166245310	T	G	1665	L	R	0.996	Likely Pathogenic
SCN2A	2	166245312	C	A	1666	L	I	0.951	Likely Pathogenic
SCN2A	2	166245312	C	G	1666	L	V	0.906	Likely Pathogenic
SCN2A	2	166245312	C	T	1666	L	F	0.994	Likely Pathogenic
SCN2A	2	166245313	T	A	1666	L	H	0.996	Likely Pathogenic
SCN2A	2	166245313	T	C	1666	L	P	0.996	Likely Pathogenic
SCN2A	2	166245313	T	G	1666	L	R	0.997	Likely Pathogenic
SCN2A	2	166245315	C	A	1667	L	I	0.935	Likely Pathogenic
SCN2A	2	166245315	C	G	1667	L	V	0.958	Likely Pathogenic
SCN2A	2	166245315	C	T	1667	L	F	0.967	Likely Pathogenic
SCN2A	2	166245316	T	A	1667	L	H	0.995	Likely Pathogenic
SCN2A	2	166245316	T	C	1667	L	P	0.995	Likely Pathogenic
SCN2A	2	166245316	T	G	1667	L	R	0.995	Likely Pathogenic
SCN2A	2	166245318	T	A	1668	F	I	0.873	Likely Pathogenic
SCN2A	2	166245318	T	C	1668	F	L	0.73	Likely Benign
SCN2A	2	166245318	T	G	1668	F	V	0.916	Likely Pathogenic
SCN2A	2	166245319	T	A	1668	F	Y	0.988	Likely Pathogenic
SCN2A	2	166245319	T	C	1668	F	S	0.966	Likely Pathogenic
SCN2A	2	166245319	T	G	1668	F	C	0.964	Likely Pathogenic
SCN2A	2	166245320	C	A	1668	F	L	0.739	Likely Benign
SCN2A	2	166245320	C	G	1668	F	L	0.74	Likely Benign
SCN2A	2	166245321	T	A	1669	L	M	0.791	Likely Pathogenic
SCN2A	2	166245321	C	G	1669	L	V	0.859	Likely Pathogenic
SCN2A	2	166245322	T	A	1669	L	Q	0.994	Likely Pathogenic
SCN2A	2	166245322	T	C	1669	L	P	0.995	Likely Pathogenic
SCN2A	2	166245322	T	G	1669	L	R	0.994	Likely Pathogenic
SCN2A	2	166245324	G	A	1670	V	I	0.735	Likely Benign
SCN2A	2	166245324	G	C	1670	V	A	0.905	Likely Pathogenic
SCN2A	2	166245324	G	T	1670	V	F	0.896	Likely Pathogenic
SCN2A	2	166245325	T	A	1670	V	D	0.993	Likely Pathogenic
SCN2A	2	166245325	T	C	1670	V	A	0.977	Likely Pathogenic
SCN2A	2	166245325	T	G	1670	V	G	0.988	Likely Pathogenic
SCN2A	2	166245327	A	C	1671	M	L	0.871	Likely Pathogenic
SCN2A	2	166245327	A	G	1671	M	V	0.92	Likely Pathogenic
SCN2A	2	166245327	A	T	1671	M	L	0.871	Likely Pathogenic
SCN2A	2	166245328	T	A	1671	M	K	0.992	Likely Pathogenic
SCN2A	2	166245328	T	C	1671	M	T	0.979	Likely Pathogenic
SCN2A	2	166245328	T	G	1671	M	R	0.992	Likely Pathogenic
SCN2A	2	166245329	G	A	1671	M	I	0.838	Likely Pathogenic
SCN2A	2	166245329	G	C	1671	M	I	0.838	Likely Pathogenic
SCN2A	2	166245329	G	T	1671	M	I	0.838	Likely Pathogenic
SCN2A	2	166245330	T	A	1672	F	I	0.973	Likely Pathogenic
SCN2A	2	166245330	T	C	1672	F	L	0.956	Likely Pathogenic
SCN2A	2	166245330	T	G	1672	F	V	0.975	Likely Pathogenic
SCN2A	2	166245331	T	A	1672	F	Y	0.963	Likely Pathogenic
SCN2A	2	166245331	T	C	1672	F	S	0.989	Likely Pathogenic
SCN2A	2	166245331	T	G	1672	F	C	0.989	Likely Pathogenic
SCN2A	2	166245332	C	A	1672	F	L	0.848	Likely Pathogenic
SCN2A	2	166245332	C	G	1672	F	L	0.848	Likely Pathogenic
SCN2A	2	166245333	A	C	1673	I	L	0.989	Likely Pathogenic
SCN2A	2	166245333	A	G	1673	I	V	0.917	Likely Pathogenic
SCN2A	2	166245333	A	T	1673	I	F	0.989	Likely Pathogenic
SCN2A	2	166245334	T	A	1673	I	N	0.996	Likely Pathogenic
SCN2A	2	166245334	T	C	1673	I	T	0.993	Likely Pathogenic
SCN2A	2	166245334	T	G	1673	I	S	0.993	Likely Pathogenic
SCN2A	2	166245335	C	G	1673	I	M	0.949	Likely Pathogenic
SCN2A	2	166245336	A	C	1674	Y	N	0.992	Likely Pathogenic
SCN2A	2	166245336	T	C	1674	Y	H	0.989	Likely Pathogenic
SCN2A	2	166245336	T	G	1674	Y	D	0.992	Likely Pathogenic
SCN2A	2	166245337	A	C	1674	Y	S	0.922	Likely Pathogenic
SCN2A	2	166245337	A	G	1674	Y	C	0.977	Likely Pathogenic
SCN2A	2	166245337	A	T	1674	Y	F	0.24	Likely Benign
SCN2A	2	166245339	A	C	1675	A	T	0.917	Likely Pathogenic
SCN2A	2	166245339	G	C	1675	A	P	0.984	Likely Pathogenic
SCN2A	2	166245339	G	T	1675	A	S	0.266	Likely Benign
SCN2A	2	166245340	C	A	1675	A	D	0.989	Likely Pathogenic
SCN2A	2	166245340	C	G	1675	A	G	0.899	Likely Pathogenic
SCN2A	2	166245340	C	T	1675	A	V	0.987	Likely Pathogenic
SCN2A	2	166245342	A	C	1676	I	L	0.947	Likely Pathogenic
SCN2A	2	166245342	A	G	1676	I	V	0.934	Likely Pathogenic
SCN2A	2	166245342	A	T	1676	I	F	0.991	Likely Pathogenic
SCN2A	2	166245343	T	A	1676	I	N	0.995	Likely Pathogenic
SCN2A	2	166245343	T	C	1676	I	T	0.989	Likely Pathogenic
SCN2A	2	166245343	T	G	1676	I	S	0.993	Likely Pathogenic
SCN2A	2	166245344	C	G	1676	I	M	0.989	Likely Pathogenic
SCN2A	2	166245345	A	C	1677	F	F	0.728	Likely Benign
SCN2A	2	166245345	T	C	1677	F	L	0.634	Likely Benign
SCN2A	2	166245345	T	G	1677	F	V	0.912	Likely Pathogenic
SCN2A	2	166245346	A	C	1677	F	Y	0.974	Likely Pathogenic
SCN2A	2	166245346	T	C	1677	F	S	0.981	Likely Pathogenic
SCN2A	2	166245346	T	G	1677	F	C	0.973	Likely Pathogenic
SCN2A	2	166245347	A	C	1677	F	L	0.605	Likely Benign
SCN2A	2	166245347	T	G	1677	F	L	0.463	Likely Benign
SCN2A	2	166245348	G	A	1678	G	R	0.992	Likely Pathogenic
SCN2A	2	166245348	G	C	1678	G	R	0.992	Likely Pathogenic
SCN2A	2	166245348	G	T	1678	G	W	0.992	Likely Pathogenic
SCN2A	2	166245349	G	A	1678	G	E	0.986	Likely Pathogenic
SCN2A	2	166245349	G	C	1678	G	A	0.786	Likely Pathogenic
SCN2A	2	166245349	G	T	1678	G	V	0.985	Likely Pathogenic
SCN2A	2	166245351	A	C	1679	M	L	0.943	Likely Pathogenic
SCN2A	2	166245351	A	G	1679	M	V

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166848719	A	C	1689	M	R	0.993	Likely Pathoeenic
SCN1A	2	166848719	A	G	1689	M	T	0.975	Likely Pathoeenic
SCN1A	2	166848719	A	T	1689	M	K	0.990	Likely Pathoeenic
SCN1A	2	166848718	C	A	1689	M	I	0.983	Likely Pathoeenic
SCN1A	2	166848718	C	G	1689	M	I	0.984	Likely Pathoeenic
SCN1A	2	166848718	C	T	1689	M	I	0.983	Likely Pathoeenic
SCN1A	2	166848717	A	C	1690	S	A	0.814	Likely Pathoeenic
SCN1A	2	166848717	A	G	1690	S	P	0.988	Likely Pathoeenic
SCN1A	2	166848717	A	T	1690	S	T	0.962	Likely Pathoeenic
SCN1A	2	166848716	G	A	1690	S	F	0.968	Likely Pathoeenic
SCN1A	2	166848716	G	C	1690	S	C	0.985	Likely Pathoeenic
SCN1A	2	166848716	G	T	1690	S	Y	0.973	Likely Pathoeenic
SCN1A	2	166848714	T	A	1691	N	Y	0.967	Likely Pathoeenic
SCN1A	2	166848714	T	C	1691	N	D	0.950	Likely Pathoeenic
SCN1A	2	166848714	T	G	1691	N	H	0.971	Likely Pathoeenic
SCN1A	2	166848713	T	A	1691	N	I	0.900	Likely Pathoeenic
SCN1A	2	166848713	T	C	1691	N	S	0.575	Likely Benian
SCN1A	2	166848713	T	G	1691	N	T	0.915	Likely Pathoeenic
SCN1A	2	166848712	G	C	1691	N	K	0.873	Likely Pathoeenic
SCN1A	2	166848712	G	T	1691	N	K	0.873	Likely Pathoeenic
SCN1A	2	166848711	A	C	1692	F	V	0.995	Likely Pathoeenic
SCN1A	2	166848711	A	G	1692	F	L	0.990	Likely Pathoeenic
SCN1A	2	166848711	A	T	1692	F	I	0.994	Likely Pathoeenic
SCN1A	2	166848710	A	C	1692	F	C	0.996	Likely Pathoeenic
SCN1A	2	166848710	A	G	1692	F	S	0.996	Likely Pathoeenic
SCN1A	2	166848710	A	T	1692	F	Y	0.985	Likely Pathoeenic
SCN1A	2	166848709	A	C	1692	F	L	0.989	Likely Pathoeenic
SCN1A	2	166848709	A	T	1692	F	L	0.989	Likely Pathoeenic
SCN1A	2	166848708	C	A	1693	A	S	0.848	Likely Pathoeenic
SCN1A	2	166848708	C	G	1693	A	P	0.889	Likely Pathoeenic
SCN1A	2	166848708	C	T	1693	A	T	0.965	Likely Pathoeenic
SCN1A	2	166848707	G	A	1693	A	V	0.966	Likely Pathoeenic
SCN1A	2	166848707	G	C	1693	A	G	0.649	Likely Benian
SCN1A	2	166848707	G	T	1693	A	D	0.971	Likely Pathoeenic
SCN1A	2	166848705	A	C	1694	Y	D	0.971	Likely Pathoeenic
SCN1A	2	166848705	A	G	1694	Y	H	0.858	Likely Pathoeenic
SCN1A	2	166848705	A	T	1694	Y	N	0.943	Likely Pathoeenic
SCN1A	2	166848704	T	A	1694	Y	F	0.977	Likely Pathoeenic
SCN1A	2	166848704	T	C	1694	Y	C	0.988	Likely Pathoeenic
SCN1A	2	166848704	T	G	1694	Y	S	0.976	Likely Pathoeenic
SCN1A	2	166848702	C	A	1695	V	F	0.989	Likely Pathoeenic
SCN1A	2	166848702	C	G	1695	V	L	0.969	Likely Pathoeenic
SCN1A	2	166848702	C	T	1695	V	I	0.967	Likely Pathoeenic
SCN1A	2	166848701	A	C	1695	V	G	0.988	Likely Pathoeenic
SCN1A	2	166848701	A	G	1695	V	A	0.981	Likely Pathoeenic
SCN1A	2	166848701	A	T	1695	V	D	0.981	Likely Pathoeenic
SCN1A	2	166848699	T	C	1696	K	E	0.868	Likely Pathoeenic
SCN1A	2	166848699	T	G	1696	K	Q	0.844	Likely Pathoeenic
SCN1A	2	166848698	T	A	1696	K	M	0.955	Likely Pathoeenic
SCN1A	2	166848698	T	C	1696	K	R	0.622	Likely Benian
SCN1A	2	166848698	T	G	1696	K	T	0.941	Likely Pathoeenic
SCN1A	2	166848697	C	A	1696	K	N	0.801	Likely Pathoeenic
SCN1A	2	166848697	C	G	1696	K	N	0.799	Likely Pathoeenic
SCN1A	2	166848696	T	A	1697	R	W	0.428	Likely Benian
SCN1A	2	166848696	T	C	1697	R	G	0.499	Likely Benian
SCN1A	2	166848695	A	A	1697	R	M	0.363	Likely Benian
SCN1A	2	166848695	C	G	1697	R	T	0.372	Likely Benian
SCN1A	2	166848695	C	T	1697	R	K	0.108	Likely Benian
SCN1A	2	166848694	C	A	1697	R	S	0.432	Likely Benian
SCN1A	2	166848694	C	G	1697	R	S	0.413	Likely Benian
SCN1A	2	166848693	C	G	1698	E	Q	0.872	Likely Pathoeenic
SCN1A	2	166848693	C	T	1698	E	K	0.837	Likely Pathoeenic
SCN1A	2	166848692	A	T	1698	E	V	0.934	Likely Pathoeenic
SCN1A	2	166848692	T	C	1698	E	G	0.539	Likely Benian
SCN1A	2	166848692	T	G	1698	E	A	0.916	Likely Pathoeenic
SCN1A	2	166848691	T	A	1698	E	D	0.735	Likely Benian
SCN1A	2	166848691	T	G	1698	E	D	0.740	Likely Benian
SCN1A	2	166848690	C	A	1699	V	F	0.231	Likely Benian
SCN1A	2	166848690	C	G	1699	V	L	0.257	Likely Benian
SCN1A	2	166848690	C	T	1699	V	I	0.230	Likely Benian
SCN1A	2	166848689	A	C	1699	V	G	0.089	Likely Benian
SCN1A	2	166848689	A	G	1699	V	A	0.082	Likely Benian
SCN1A	2	166848689	A	T	1699	V	D	0.160	Likely Benian
SCN1A	2	166848687	C	A	1700	G	W	0.986	Likely Pathoeenic
SCN1A	2	166848687	C	G	1700	G	R	0.984	Likely Pathoeenic
SCN1A	2	166848687	C	T	1700	G	R	0.984	Likely Pathoeenic
SCN1A	2	166848686	C	A	1700	G	V	0.980	Likely Pathoeenic
SCN1A	2	166848686	C	G	1700	G	A	0.973	Likely Pathoeenic
SCN1A	2	166848686	C	T	1700	G	E	0.977	Likely Pathoeenic
SCN1A	2	166848684	T	A	1701	I	F	0.975	Likely Pathoeenic
SCN1A	2	166848684	T	C	1701	I	V	0.872	Likely Pathoeenic
SCN1A	2	166848684	T	G	1701	I	L	0.819	Likely Pathoeenic
SCN1A	2	166848683	A	C	1701	I	S	0.983	Likely Pathoeenic
SCN1A	2	166848683	A	G	1701	I	T	0.978	Likely Pathoeenic
SCN1A	2	166848683	A	T	1701	I	N	0.979	Likely Pathoeenic
SCN1A	2	166848682	G	C	1701	I	M	0.958	Likely Pathoeenic
SCN1A	2	166848681	C	A	1702	D	Y	0.989	Likely Pathoeenic
SCN1A	2	166848681	C	G	1702	D	H	0.971	Likely Pathoeenic
SCN1A	2	166848681	C	T	1702	D	N	0.771	Likely Benian
SCN1A	2	166848680	T	A	1702	D	V	0.982	Likely Pathoeenic
SCN1A	2	166848680	T	C	1702	D	G	0.968	Likely Pathoeenic
SCN1A	2	166848680	T	G	1702	D	A	0.980	Likely Pathoeenic
SCN1A	2	166848679	A	C	1702	D	E	0.966	Likely Pathoeenic
SCN1A	2	166848679	A	T	1702	D	E	0.965	Likely Pathoeenic
SCN1A	2	166848678	C	A	1703	D	Y	0.981	Likely Pathoeenic
SCN1A	2	166848678	C	G	1703	D	H	0.979	Likely Pathoeenic
SCN1A	2	166848678	C	T	1703	D	N	0.974	Likely Pathoeenic
SCN1A	2	166848677	A	T	1703	D	V	0.986	Likely Pathoeenic
SCN1A	2	166848677	T	C	1703	D	G	0.971	Likely Pathoeenic
SCN1A	2	166848677	T	G	1703	D	A	0.981	Likely Pathoeenic
SCN1A	2	166848676	G	C	1703	D	E	0.860	Likely Pathoeenic
SCN1A	2	166848676	G	T	1703	D	E	0.858	Likely Pathoeenic
SCN1A	2	166848675	T	A	1704	M	L	0.468	Likely Benian
SCN1A	2	166848675	T	C	1704	M	V	0.737	Likely Benian
SCN1A	2	166848675	T	G	1704	M	L	0.457	Likely Benian
SCN1A	2	166848674	A	C	1704	M	R	0.937	Likely Pathoeenic
SCN1A	2	166848674	A	G	1704	M	T	0.950	Likely Pathoeenic
SCN1A	2	166848674	A	T	1704	M	K	0.962	Likely Pathoeenic
SCN1A	2	166848673	C	A	1704	M	I	0.700	Likely Benian
SCN1A	2	166848673	C	G	1704	M	I	0.695	Likely Benian
SCN1A	2	166848673	C	T	1704	M	I	0.695	Likely Benian
SCN1A	2	166848672	A	C	1705	F	V	0.963	Likely Pathoeenic
SCN1A	2	166848672	A	G	1705	F	L	0.955	Likely Pathoeenic
SCN1A	2	166848672	A	T	1705	F	I	0.969	Likely Pathoeenic
SCN1A	2	166848671	A	C	1705	F	C	0.983	Likely Pathoeenic
SCN1A	2	166848671	A	G	1705	F	S	0.958	Likely Pathoeenic
SCN1A	2	166848671	A	T	1705	F	Y	0.731	Likely Benian
SCN1A	2	166848670	G	C	1705	F	L	0.907	Likely Pathoeenic
SCN1A	2	166848670	G	T	1705	F	L	0.908	Likely Pathoeenic
SCN1A	2	166848669	T	A	1706	N	Y	0.986	Likely Pathoeenic
SCN1A	2	166848669	T	C	1706	N	D	0.983	Likely Pathoeenic
SCN1A	2	166848669	T	G	1706	N	H	0.979	Likely Pathoeenic
SCN1A	2	166848668	A	A	1706	N	I	0.995	Likely Pathoeenic
SCN1A	2	166848668	T	C	1706	N	S	0.978	Likely Pathoeenic
SCN1A	2	166848668	T	G	1706	N	T	0.986	Likely Pathoeenic
SCN1A	2	166848667	G	C	1706	N	K	0.986	Likely Pathoeenic
SCN1A	2	166848667	G	T	1706	N	K	0.986	Likely Pathoeenic
SCN1A	2	166848666	A	C	1707	F	V	0.996	Likely Pathoeenic
SCN1A	2	166848666	A	G	1707	F	L	0.996	Likely Pathoeenic
SCN1A	2	166848666	A	T	1707	F	I	0.997	Likely Pathoeenic
SCN1A	2	166848665	A	C	1707	F	C	0.997	Likely Pathoeenic
SCN1A	2	166848665	A	G	1707	F	S	0.996	Likely Pathoeenic
SCN1A	2	166848665	A	T	1707	F	Y	0.993	Likely Pathoeenic
SCN1A	2	166848664	A	C	1707	F	L	0.996	Likely Pathoeenic
SCN1A	2	166848664	A	T	1707	F	L	0.996	Likely Pathoeenic
SCN1A	2	166848663	C	G	1708	Q	H	0.753	Likely Benian
SCN1A	2	166848663	C	T	1708	E	K	0.835	Likely Pathoeenic
SCN1A	2	166848662	T	A	1708	E	V	0.973	Likely Pathoeenic
SCN1A	2	166848662	T	C	1708	E	G	0.923	Likely Pathoeenic
SCN1A	2	166848662	T	G	1708	E	A	0.966	Likely Pathoeenic
SCN1A	2	166848661	C	A	1708	E	D	0.474	Likely Benian
SCN1A	2	166848661	C	G	1708	E	D	0.438	Likely Benian
SCN1A	2	166848660	T	A	1709	T	S	0.894	Likely Pathoeenic
SCN1A	2	166848660	T	C	1709	T	A	0.988	Likely Pathoeenic
SCN1A	2	166848660	T	G	1709	T	P	0.989	Likely Pathoeenic
SCN1A	2	166848659	G	A	1709	T	I	0.992	Likely Pathoeenic
SCN1A	2	166848659	G	C	1709	T	S	0.938	Likely Pathoeenic
SCN1A	2	166848659	G	T	1709	T	N	0.925	Likely Pathoeenic
SCN1A	2	166848657	A	C	1710	F	V	0.985	Likely Pathoeenic
SCN1A	2	166848657	A	G	1710	F	L	0.978	Likely Pathoeenic
SCN1A	2	166848657	A	T	1710	F	I	0.981	Likely Pathoeenic
SCN1A	2	166848656	C	A	1710	F	C	0.995	Likely Pathoeenic
SCN1A	2	166848656	A	G	1710	F	S	0.995	Likely Pathoeenic
SCN1A	2	166848656	A	T	1710	F	Y	0.991	Likely Pathoeenic
SCN1A	2	166848655	A	C	1710	F	L	0.953	Likely Pathoeenic
SCN1A	2	166848655	A	T	1710	F	L	0.955	Likely Pathoeenic
SCN1A	2	166848654	C	A	1711	G	C	0.975	Likely Pathoeenic
SCN1A	2	166848654	C	G	1711	G	R	0.984	Likely Pathoeenic
SCN1A	2	166848654	C	T	1711	G	S	0.946	Likely Pathoeenic
SCN1A	2	166848653	C	A	1711	G	V	0.958	Likely Pathoeenic
SCN1A	2	166848653	C	G	1711	G	A	0.519	Likely Benian
SCN1A	2	166848653	C	T	1711	G	D	0.944	Likely Pathoeenic
SCN1A	2	166848651	T	A	1712	N	Y	0.981	Likely Pathoeenic
SCN1A	2	166848651	T	C	1712	N	D	0.973	Likely Pathoeenic
SCN1A	2	166848651	T	G	1712	N	H	0.963	Likely Pathoeenic
SCN1A	2	166848650	T	A	1712	N	I	0.979	Likely Pathoeenic
SCN1A	2	166848650	T	C	1712	N	S	0.939	Likely Pathoeenic
SCN1A	2	166848650	T	G	1712	N	T	0.974	Likely Pathoeenic
SCN1A	2	166848649	G	C	1712	N	K	0.943	Likely Pathoeenic
SCN1A	2	166848649	G	T	1712	N	K	0.943	Likely Pathoeenic
SCN1A	2	166848648	T	A	1713	S	C	0.992	Likely Pathoeenic
SCN1A	2	166848648	T	C	1713	S	G	0.935	Likely Pathoeenic
SCN1A	2	166848648	T	G	1713	S	R	0.993	Likely Pathoeenic
SCN1A	2	166848647	C	A	1713	S	I	0.993	Likely Pathoeenic
SCN1A	2	166848647	C	G	1713	S	T	0.981	Likely Pathoeenic
SCN1A	2	166848647	C	T	1713	S	N	0.993	Likely Pathoeenic
SCN1A	2	166848646	G	C	1713	S	R	0.993	Likely Pathoeenic
SCN1A	2	166848646	G	T	1713	S	R	0.993	Likely Pathoeenic
SCN1A	2	166848645	T	A	1714	M	L	0.748	Likely Benian
SCN1A	2	166848645	T	C	1714	M	V	0.938	Likely Pathoeenic
SCN1A	2	166848645	T	G	1714	M	L	0.746	Likely Benian
SCN1A	2	166848644	A	C	1714	M	R	0.988	Likely Pathoeenic
SCN1A	2	166848644	A	G	1714	M	T	0.976	Likely Pathoeenic
SCN1A	2	166848644	A	T	1714	M	K	0.988	Likely Pathoeenic
SCN1A	2	166848643	C	A	1714	M	I	0.941	Likely Pathoeenic
SCN1A	2	166848643	C	G	1714	M	I	0.941	Likely Pathoeenic
SCN1A	2	166848643	C	T	1714	M	I	0.941	Likely Pathoeenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166245366	T	C	1684	Y	H	0.652	Likely Benign
SCN2A	2	166245366	T	G	1684	Y	D	0.935	Likely Pathogenic
SCN2A	2	166245367	A	C	1684	Y	S	0.952	Likely Pathogenic
SCN2A	2	166245367	A	G	1684	Y	C	0.984	Likely Pathogenic
SCN2A	2	166245367	A	T	1684	Y	F	0.954	Likely Pathogenic
SCN2A	2	166245369	G	A	1685	V	I	0.752	Likely Benign
SCN2A	2	166245369	G	C	1685	V	L	0.865	Likely Pathogenic
SCN2A	2	166245369	G	T	1685	V	F	0.983	Likely Pathogenic
SCN2A	2	166245370	T	A	1685	V	D	0.97	Likely Pathogenic
SCN2A	2	166245370	T	C	1685	V	A	0.955	Likely Pathogenic
SCN2A	2	166245370	T	G	1685	V	G	0.985	Likely Pathogenic
SCN2A	2	166245372	A	C	1686	K	Q	0.708	Likely Benign
SCN2A	2	166245372	A	G	1686	K	E	0.726	Likely Benign
SCN2A	2	166245373	A	C	1686	K	T	0.91	Likely Pathogenic
SCN2A	2	166245373	A	G	1686	K	R	0.509	Likely Benign
SCN2A	2	166245373	A	T	1686	K	M	0.93	Likely Pathogenic
SCN2A	2	166245374	G	C	1686	K	N	0.799	Likely Pathogenic
SCN2A	2	166245374	G	T	1686	K	N	0.8	Likely Pathogenic
SCN2A	2	166245375	A	G	1687	R	G	0.297	Likely Benign
SCN2A	2	166245375	A	T	1687	R	W	0.317	Likely Benign
SCN2A	2	166245376	G	A	1687	R	K	0.059	Likely Benign
SCN2A	2	166245376	G	C	1687	R	T	0.217	Likely Benign
SCN2A	2	166245376	G	T	1687	R	M	0.222	Likely Benign
SCN2A	2	166245377	G	C	1687	R	S	0.229	Likely Benign
SCN2A	2	166245377	G	T	1687	R	S	0.23	Likely Benign
SCN2A	2	166245378	G	A	1688	E	K	0.477	Likely Benign
SCN2A	2	166245378	G	C	1688	E	Q	0.349	Likely Benign
SCN2A	2	166245379	A	C	1688	E	A	0.781	Likely Benign
SCN2A	2	166245379	A	G	1688	E	G	0.506	Likely Benign
SCN2A	2	166245379	A	T	1688	E	V	0.802	Likely Pathogenic
SCN2A	2	166245380	A	C	1688	E	D	0.501	Likely Benign
SCN2A	2	166245380	A	T	1688	E	D	0.523	Likely Benign
SCN2A	2	166245381	G	A	1689	V	I	0.238	Likely Benign
SCN2A	2	166245381	G	C	1689	V	L	0.244	Likely Benign
SCN2A	2	166245381	G	T	1689	V	F	0.19	Likely Benign
SCN2A	2	166245382	T	A	1689	V	D	0.127	Likely Benign
SCN2A	2	166245382	T	C	1689	V	A	0.08	Likely Benign
SCN2A	2	166245382	T	G	1689	V	G	0.065	Likely Benign
SCN2A	2	166245384	G	A	1690	G	R	0.966	Likely Pathogenic
SCN2A	2	166245384	G	C	1690	G	R	0.966	Likely Pathogenic
SCN2A	2	166245384	G	T	1690	G	W	0.967	Likely Pathogenic
SCN2A	2	166245385	G	A	1690	G	E	0.882	Likely Pathogenic
SCN2A	2	166245385	G	C	1690	G	A	0.694	Likely Benign
SCN2A	2	166245385	G	T	1690	G	V	0.918	Likely Pathogenic
SCN2A	2	166245387	A	C	1691	I	L	0.523	Likely Benign
SCN2A	2	166245387	A	G	1691	I	V	0.547	Likely Benign
SCN2A	2	166245387	A	T	1691	I	F	0.949	Likely Pathogenic
SCN2A	2	166245388	T	A	1691	I	N	0.968	Likely Pathogenic
SCN2A	2	166245388	T	C	1691	I	T	0.958	Likely Pathogenic
SCN2A	2	166245388	T	G	1691	I	S	0.977	Likely Pathogenic
SCN2A	2	166245389	C	G	1691	I	M	0.949	Likely Pathogenic
SCN2A	2	166245390	G	A	1692	D	N	0.407	Likely Benign
SCN2A	2	166245390	G	C	1692	D	H	0.946	Likely Pathogenic
SCN2A	2	166245390	G	T	1692	D	Y	0.979	Likely Pathogenic
SCN2A	2	166245391	A	C	1692	D	A	0.954	Likely Pathogenic
SCN2A	2	166245391	A	G	1692	D	G	0.872	Likely Pathogenic
SCN2A	2	166245391	A	T	1692	D	V	0.976	Likely Pathogenic
SCN2A	2	166245392	T	A	1692	D	E	0.909	Likely Pathogenic
SCN2A	2	166245392	T	G	1692	D	E	0.897	Likely Pathogenic
SCN2A	2	166245393	G	A	1693	D	N	0.9	Likely Pathogenic
SCN2A	2	166245393	G	C	1693	D	H	0.958	Likely Pathogenic
SCN2A	2	166245393	G	T	1693	D	Y	0.961	Likely Pathogenic
SCN2A	2	166245394	C	A	1693	D	A	0.975	Likely Pathogenic
SCN2A	2	166245394	A	G	1693	D	G	0.966	Likely Pathogenic
SCN2A	2	166245394	A	T	1693	D	V	0.986	Likely Pathogenic
SCN2A	2	166245395	C	A	1693	D	E	0.717	Likely Benign
SCN2A	2	166245395	C	G	1693	D	E	0.725	Likely Benign
SCN2A	2	166245396	A	C	1694	M	L	0.354	Likely Benign
SCN2A	2	166245396	A	G	1694	M	V	0.345	Likely Benign
SCN2A	2	166245396	A	T	1694	M	L	0.354	Likely Benign
SCN2A	2	166245397	T	A	1694	M	K	0.929	Likely Pathogenic
SCN2A	2	166245397	T	C	1694	M	T	0.731	Likely Benign
SCN2A	2	166245397	T	G	1694	M	R	0.848	Likely Pathogenic
SCN2A	2	166245398	G	A	1694	M	I	0.254	Likely Benign
SCN2A	2	166245398	G	C	1694	M	I	0.239	Likely Benign
SCN2A	2	166245398	G	T	1694	M	I	0.258	Likely Benign
SCN2A	2	166245399	T	A	1695	F	I	0.922	Likely Pathogenic
SCN2A	2	166245399	T	C	1695	F	L	0.812	Likely Pathogenic
SCN2A	2	166245399	T	G	1695	F	V	0.905	Likely Pathogenic
SCN2A	2	166245400	T	A	1695	F	Y	0.629	Likely Benign
SCN2A	2	166245400	T	C	1695	F	S	0.93	Likely Pathogenic
SCN2A	2	166245400	T	G	1695	F	C	0.974	Likely Pathogenic
SCN2A	2	166245401	C	A	1695	F	L	0.736	Likely Benign
SCN2A	2	166245401	C	G	1695	F	L	0.736	Likely Benign
SCN2A	2	166245402	A	C	1696	N	H	0.967	Likely Pathogenic
SCN2A	2	166245402	A	G	1696	N	D	0.983	Likely Pathogenic
SCN2A	2	166245402	A	T	1696	N	Y	0.986	Likely Pathogenic
SCN2A	2	166245403	A	C	1696	N	K	0.986	Likely Pathogenic
SCN2A	2	166245403	A	G	1696	N	S	0.97	Likely Pathogenic
SCN2A	2	166245403	A	T	1696	N	I	0.996	Likely Pathogenic
SCN2A	2	166245404	A	C	1696	N	K	0.986	Likely Pathogenic
SCN2A	2	166245404	C	G	1696	N	K	0.986	Likely Pathogenic
SCN2A	2	166245405	T	A	1697	F	I	0.997	Likely Pathogenic
SCN2A	2	166245405	T	C	1697	F	L	0.997	Likely Pathogenic
SCN2A	2	166245405	T	G	1697	F	V	0.997	Likely Pathogenic
SCN2A	2	166245406	T	A	1697	F	Y	0.994	Likely Pathogenic
SCN2A	2	166245406	T	C	1697	F	S	0.997	Likely Pathogenic
SCN2A	2	166245406	T	G	1697	F	C	0.997	Likely Pathogenic
SCN2A	2	166245407	T	A	1697	F	L	0.996	Likely Pathogenic
SCN2A	2	166245407	T	G	1697	F	L	0.996	Likely Pathogenic
SCN2A	2	166245408	G	A	1698	E	K	0.553	Likely Benign
SCN2A	2	166245408	G	C	1698	E	Q	0.403	Likely Benign
SCN2A	2	166245409	A	C	1698	E	A	0.948	Likely Pathogenic
SCN2A	2	166245409	A	G	1698	E	G	0.909	Likely Pathogenic
SCN2A	2	166245409	A	T	1698	E	V	0.968	Likely Pathogenic
SCN2A	2	166245410	G	C	1698	E	D	0.458	Likely Benign
SCN2A	2	166245410	G	T	1698	E	D	0.449	Likely Benign
SCN2A	2	166245411	A	C	1699	T	P	0.988	Likely Pathogenic
SCN2A	2	166245411	A	G	1699	T	A	0.982	Likely Pathogenic
SCN2A	2	166245411	A	T	1699	T	S	0.863	Likely Pathogenic
SCN2A	2	166245412	C	A	1699	T	N	0.765	Likely Benign
SCN2A	2	166245412	C	G	1699	T	S	0.882	Likely Pathogenic
SCN2A	2	166245412	C	T	1699	T	I	0.991	Likely Pathogenic
SCN2A	2	166245414	A	T	1700	F	Y	0.959	Likely Pathogenic
SCN2A	2	166245414	T	C	1700	F	L	0.939	Likely Pathogenic
SCN2A	2	166245414	T	G	1700	F	V	0.976	Likely Pathogenic
SCN2A	2	166245415	T	A	1700	F	Y	0.992	Likely Pathogenic
SCN2A	2	166245415	T	C	1700	F	S	0.996	Likely Pathogenic
SCN2A	2	166245415	T	G	1700	F	C	0.996	Likely Pathogenic
SCN2A	2	166245416	T	A	1700	F	L	0.953	Likely Pathogenic
SCN2A	2	166245416	T	G	1700	F	L	0.952	Likely Pathogenic
SCN2A	2	166245417	G	A	1701	G	S	0.885	Likely Pathogenic
SCN2A	2	166245417	G	C	1701	G	R	0.985	Likely Pathogenic
SCN2A	2	166245417	G	T	1701	G	E	0.875	Likely Pathogenic
SCN2A	2	166245418	G	A	1701	G	D	0.943	Likely Pathogenic
SCN2A	2	166245418	G	C	1701	G	A	0.104	Likely Benign
SCN2A	2	166245418	G	T	1701	G	V	0.885	Likely Pathogenic
SCN2A	2	166245420	A	C	1702	N	H	0.937	Likely Pathogenic
SCN2A	2	166245420	A	G	1702	N	D	0.961	Likely Pathogenic
SCN2A	2	166245420	A	T	1702	N	Y	0.978	Likely Pathogenic
SCN2A	2	166245421	A	C	1702	N	T	0.956	Likely Pathogenic
SCN2A	2	166245421	A	G	1702	N	S	0.88	Likely Pathogenic
SCN2A	2	166245421	A	T	1702	N	I	0.976	Likely Pathogenic
SCN2A	2	166245422	C	A	1702	N	K	0.923	Likely Pathogenic
SCN2A	2	166245422	C	G	1702	N	K	0.92	Likely Pathogenic
SCN2A	2	166245423	A	C	1703	S	R	0.993	Likely Pathogenic
SCN2A	2	166245423	A	G	1703	S	G	0.857	Likely Pathogenic
SCN2A	2	166245423	A	T	1703	S	C	0.992	Likely Pathogenic
SCN2A	2	166245424	A	C	1703	S	N	0.991	Likely Pathogenic
SCN2A	2	166245424	G	C	1703	S	T	0.962	Likely Pathogenic
SCN2A	2	166245424	G	T	1703	S	I	0.991	Likely Pathogenic
SCN2A	2	166245425	A	C	1703	S	R	0.992	Likely Pathogenic
SCN2A	2	166245425	C	G	1703	S	R	0.993	Likely Pathogenic
SCN2A	2	166245426	A	C	1704	M	L	0.725	Likely Benign
SCN2A	2	166245426	A	G	1704	M	V	0.861	Likely Pathogenic
SCN2A	2	166245426	A	T	1704	M	L	0.728	Likely Benign
SCN2A	2	166245427	T	A	1704	M	K	0.991	Likely Pathogenic
SCN2A	2	166245427	T	C	1704	M	T	0.973	Likely Pathogenic
SCN2A	2	166245427	T	G	1704	M	R	0.991	Likely Pathogenic
SCN2A	2	166245428	G	A	1704	M	I	0.778	Likely Benign
SCN2A	2	166245428	G	C	1

GENE	CHR	DNA_LOC	REF_N	ALT_NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166848642	T	A	1715	I	F	0.665	Likely Benian
SCN1A	2	166848642	T	C	1715	I	V	0.533	Likely Benian
SCN1A	2	166848642	T	G	1715	I	L	0.148	Likely Benian
SCN1A	2	166848641	A	C	1715	I	S	0.946	Likely Pathoaenic
SCN1A	2	166848641	A	G	1715	I	T	0.937	Likely Pathoaenic
SCN1A	2	166848641	A	T	1715	I	N	0.980	Likely Pathoaenic
SCN1A	2	166848640	G	C	1715	I	M	0.497	Likely Benian
SCN1A	2	166848639	A	C	1716	C	G	0.981	Likely Pathoaenic
SCN1A	2	166848639	A	G	1716	C	R	0.982	Likely Pathoaenic
SCN1A	2	166848639	A	T	1716	C	S	0.891	Likely Pathoaenic
SCN1A	2	166848638	C	A	1716	C	F	0.961	Likely Pathoaenic
SCN1A	2	166848638	C	G	1716	C	S	0.907	Likely Pathoaenic
SCN1A	2	166848638	C	T	1716	C	Y	0.980	Likely Pathoaenic
SCN1A	2	166848637	G	C	1716	C	W	0.977	Likely Pathoaenic
SCN1A	2	166848636	G	C	1717	L	V	0.915	Likely Pathoaenic
SCN1A	2	166848636	G	T	1717	L	I	0.957	Likely Pathoaenic
SCN1A	2	166848635	A	C	1717	L	R	0.992	Likely Pathoaenic
SCN1A	2	166848635	A	G	1717	L	P	0.990	Likely Pathoaenic
SCN1A	2	166848635	A	T	1717	L	Q	0.989	Likely Pathoaenic
SCN1A	2	166848633	A	C	1718	F	V	0.993	Likely Pathoaenic
SCN1A	2	166848633	A	G	1718	F	L	0.982	Likely Pathoaenic
SCN1A	2	166848633	A	T	1718	F	I	0.995	Likely Pathoaenic
SCN1A	2	166848632	A	C	1718	F	C	0.997	Likely Pathoaenic
SCN1A	2	166848632	A	G	1718	F	S	0.995	Likely Pathoaenic
SCN1A	2	166848632	A	T	1718	F	Y	0.995	Likely Pathoaenic
SCN1A	2	166848631	G	C	1718	F	L	0.981	Likely Pathoaenic
SCN1A	2	166848631	G	T	1718	F	L	0.981	Likely Pathoaenic
SCN1A	2	166848630	C	T	1719	Q	E	0.264	Likely Benian
SCN1A	2	166848630	G	T	1719	Q	K	0.857	Likely Pathoaenic
SCN1A	2	166848629	T	A	1719	Q	L	0.877	Likely Pathoaenic
SCN1A	2	166848629	T	C	1719	Q	R	0.507	Likely Benian
SCN1A	2	166848629	T	G	1719	Q	P	0.962	Likely Pathoaenic
SCN1A	2	166848628	T	A	1719	Q	H	0.931	Likely Pathoaenic
SCN1A	2	166848628	T	G	1719	Q	H	0.921	Likely Pathoaenic
SCN1A	2	166848627	T	A	1720	I	F	0.977	Likely Pathoaenic
SCN1A	2	166848627	T	C	1720	I	V	0.581	Likely Benian
SCN1A	2	166848627	T	G	1720	I	L	0.853	Likely Pathoaenic
SCN1A	2	166848626	A	C	1720	I	S	0.940	Likely Pathoaenic
SCN1A	2	166848626	A	G	1720	I	T	0.907	Likely Pathoaenic
SCN1A	2	166848626	A	T	1720	I	N	0.987	Likely Pathoaenic
SCN1A	2	166848625	A	C	1720	I	M	0.415	Likely Benian
SCN1A	2	166848624	T	A	1721	T	S	0.680	Likely Benian
SCN1A	2	166848624	T	C	1721	T	A	0.907	Likely Pathoaenic
SCN1A	2	166848624	T	G	1721	T	P	0.988	Likely Pathoaenic
SCN1A	2	166848623	G	A	1721	T	I	0.962	Likely Pathoaenic
SCN1A	2	166848623	G	C	1721	T	R	0.989	Likely Pathoaenic
SCN1A	2	166848623	G	T	1721	T	K	0.989	Likely Pathoaenic
SCN1A	2	166848621	T	A	1722	T	S	0.981	Likely Pathoaenic
SCN1A	2	166848621	T	C	1722	T	A	0.995	Likely Pathoaenic
SCN1A	2	166848621	T	G	1722	T	P	0.995	Likely Pathoaenic
SCN1A	2	166848620	G	A	1722	T	I	0.991	Likely Pathoaenic
SCN1A	2	166848620	G	C	1722	T	S	0.985	Likely Pathoaenic
SCN1A	2	166848620	G	T	1722	T	N	0.996	Likely Pathoaenic
SCN1A	2	166848618	A	C	1723	S	A	0.946	Likely Pathoaenic
SCN1A	2	166848618	A	G	1723	S	P	0.979	Likely Pathoaenic
SCN1A	2	166848618	A	T	1723	S	T	0.839	Likely Pathoaenic
SCN1A	2	166848617	G	A	1723	S	F	0.936	Likely Pathoaenic
SCN1A	2	166848617	G	C	1723	S	C	0.980	Likely Pathoaenic
SCN1A	2	166848617	G	T	1723	S	Y	0.983	Likely Pathoaenic
SCN1A	2	166848615	C	A	1724	A	S	0.947	Likely Pathoaenic
SCN1A	2	166848615	C	G	1724	A	P	0.981	Likely Pathoaenic
SCN1A	2	166848615	C	T	1724	A	T	0.966	Likely Pathoaenic
SCN1A	2	166848614	A	C	1724	A	V	0.973	Likely Pathoaenic
SCN1A	2	166848614	G	C	1724	A	G	0.480	Likely Benian
SCN1A	2	166848614	G	T	1724	A	D	0.851	Likely Pathoaenic
SCN1A	2	166848612	C	A	1725	G	C	0.999	Likely Pathoaenic
SCN1A	2	166848612	C	G	1725	G	R	0.998	Likely Pathoaenic
SCN1A	2	166848612	C	T	1725	G	S	0.995	Likely Pathoaenic
SCN1A	2	166848611	A	C	1725	G	V	0.998	Likely Pathoaenic
SCN1A	2	166848611	C	G	1725	G	A	0.996	Likely Pathoaenic
SCN1A	2	166848611	C	T	1725	G	D	0.996	Likely Pathoaenic
SCN1A	2	166848609	A	C	1726	W	G	0.994	Likely Pathoaenic
SCN1A	2	166848609	A	G	1726	W	R	0.993	Likely Pathoaenic
SCN1A	2	166848609	A	T	1726	W	R	0.993	Likely Pathoaenic
SCN1A	2	166848608	C	A	1726	W	L	0.993	Likely Pathoaenic
SCN1A	2	166848608	C	G	1726	W	S	0.993	Likely Pathoaenic
SCN1A	2	166848607	C	A	1726	W	C	0.993	Likely Pathoaenic
SCN1A	2	166848607	C	G	1726	W	C	0.993	Likely Pathoaenic
SCN1A	2	166848606	A	C	1727	D	Y	0.946	Likely Pathoaenic
SCN1A	2	166848606	C	G	1727	D	H	0.951	Likely Pathoaenic
SCN1A	2	166848606	C	T	1727	D	N	0.830	Likely Pathoaenic
SCN1A	2	166848605	A	C	1727	D	V	0.941	Likely Pathoaenic
SCN1A	2	166848605	T	C	1727	D	G	0.828	Likely Pathoaenic
SCN1A	2	166848605	T	G	1727	D	A	0.763	Likely Benian
SCN1A	2	166848604	A	C	1727	D	E	0.730	Likely Benian
SCN1A	2	166848604	A	T	1727	D	E	0.730	Likely Benian
SCN1A	2	166848603	C	G	1728	G	R	0.939	Likely Pathoaenic
SCN1A	2	166848603	C	T	1728	G	R	0.939	Likely Pathoaenic
SCN1A	2	166848602	C	A	1728	G	V	0.935	Likely Pathoaenic
SCN1A	2	166848602	C	G	1728	G	A	0.734	Likely Benian
SCN1A	2	166848602	C	T	1728	G	E	0.653	Likely Benian
SCN1A	2	166848600	A	C	1729	L	V	0.381	Likely Benian
SCN1A	2	166848600	A	T	1729	L	M	0.675	Likely Benian
SCN1A	2	166848599	A	C	1729	L	W	0.979	Likely Pathoaenic
SCN1A	2	166848599	A	G	1729	L	S	0.968	Likely Pathoaenic
SCN1A	2	166848598	C	A	1729	L	F	0.645	Likely Benian
SCN1A	2	166848598	C	G	1729	L	F	0.640	Likely Benian
SCN1A	2	166848597	C	A	1730	V	I	0.915	Likely Pathoaenic
SCN1A	2	166848597	G	T	1730	L	I	0.920	Likely Pathoaenic
SCN1A	2	166848596	A	C	1730	L	R	0.991	Likely Pathoaenic
SCN1A	2	166848596	A	G	1730	L	P	0.988	Likely Pathoaenic
SCN1A	2	166848596	A	T	1730	L	Q	0.983	Likely Pathoaenic
SCN1A	2	166848594	C	A	1731	A	S	0.186	Likely Benian
SCN1A	2	166848594	C	G	1731	A	P	0.400	Likely Benian
SCN1A	2	166848594	C	T	1731	A	T	0.360	Likely Benian
SCN1A	2	166848593	G	A	1731	A	V	0.460	Likely Benian
SCN1A	2	166848593	G	C	1731	A	G	0.361	Likely Benian
SCN1A	2	166848593	G	T	1731	A	E	0.229	Likely Benian
SCN1A	2	166848591	G	A	1732	P	S	0.963	Likely Pathoaenic
SCN1A	2	166848591	G	C	1732	P	A	0.894	Likely Pathoaenic
SCN1A	2	166848591	G	T	1732	P	T	0.974	Likely Pathoaenic
SCN1A	2	166848590	G	A	1732	P	L	0.984	Likely Pathoaenic
SCN1A	2	166848590	G	C	1732	P	R	0.989	Likely Pathoaenic
SCN1A	2	166848590	G	T	1732	P	H	0.982	Likely Pathoaenic
SCN1A	2	166848588	T	A	1733	I	F	0.918	Likely Pathoaenic
SCN1A	2	166848588	T	C	1733	I	V	0.569	Likely Benian
SCN1A	2	166848588	T	G	1733	I	L	0.704	Likely Benian
SCN1A	2	166848587	A	C	1733	I	S	0.915	Likely Pathoaenic
SCN1A	2	166848587	A	G	1733	I	T	0.792	Likely Pathoaenic
SCN1A	2	166848587	A	T	1733	I	N	0.977	Likely Pathoaenic
SCN1A	2	166848586	A	C	1733	I	M	0.237	Likely Benian
SCN1A	2	166848585	G	A	1734	L	F	0.982	Likely Pathoaenic
SCN1A	2	166848585	G	C	1734	L	V	0.968	Likely Pathoaenic
SCN1A	2	166848585	G	T	1734	L	I	0.926	Likely Pathoaenic
SCN1A	2	166848584	A	C	1734	L	R	0.983	Likely Pathoaenic
SCN1A	2	166848584	A	G	1734	L	P	0.986	Likely Pathoaenic
SCN1A	2	166848584	A	T	1734	L	H	0.985	Likely Pathoaenic
SCN1A	2	166848582	T	A	1735	N	Y	0.936	Likely Pathoaenic
SCN1A	2	166848582	T	C	1735	N	D	0.567	Likely Benian
SCN1A	2	166848582	T	G	1735	N	H	0.958	Likely Pathoaenic
SCN1A	2	166848581	T	A	1735	N	I	0.927	Likely Pathoaenic
SCN1A	2	166848581	T	C	1735	N	S	0.830	Likely Pathoaenic
SCN1A	2	166848581	T	G	1735	N	T	0.947	Likely Pathoaenic
SCN1A	2	166848580	G	C	1735	N	K	0.735	Likely Benian
SCN1A	2	166848580	G	T	1735	N	K	0.735	Likely Benian
SCN1A	2	166848579	T	A	1736	S	C	0.945	Likely Pathoaenic
SCN1A	2	166848579	T	C	1736	S	G	0.693	Likely Benian
SCN1A	2	166848579	T	G	1736	S	R	0.827	Likely Pathoaenic
SCN1A	2	166848578	C	A	1736	S	I	0.735	Likely Benian
SCN1A	2	166848578	C	G	1736	S	T	0.263	Likely Benian
SCN1A	2	166848578	C	T	1736	S	N	0.493	Likely Benian
SCN1A	2	166848577	A	C	1736	S	R	0.508	Likely Benian
SCN1A	2	166848577	A	T	1736	S	R	0.510	Likely Benian
SCN1A	2	166848576	T	C	1737	K	E	0.195	Likely Benian
SCN1A	2	166848576	T	G	1737	K	Q	0.245	Likely Benian
SCN1A	2	166848575	T	A	1737	K	M	0.298	Likely Benian
SCN1A	2	166848575	T	C	1737	K	R	0.179	Likely Benian
SCN1A	2	166848575	T	G	1737	K	T	0.220	Likely Benian
SCN1A	2	166848574	A	C	1737	K	N	0.231	Likely Benian
SCN1A	2	166848574	C	G	1737	K	N	0.232	Likely Benian
SCN1A	2	166848573	G	A	1738	P	S	0.492	Likely Benian
SCN1A	2	166848573	G	C	1738	P	A	0.205	Likely Benian
SCN1A	2	166848573	G	T	1738	P	T	0.498	Likely Benian
SCN1A	2	166848572	G	A	1738	P	L	0.582	Likely Benian
SCN1A	2	166848572	G	C	1738	P	R	0.542	Likely Benian
SCN1A	2	166848572	G	T	1738	P	Q	0.475	Likely Benian
SCN1A	2	166848570	G	A	1739	P	S	0.638	Likely Benian
SCN1A	2	166848570	G	C	1739	P	A	0.665	Likely Benian
SCN1A	2	166848570	G	T	1739	P	T	0.811	Likely Pathoaenic
SCN1A	2	166848569	G	A	1739	P	L	0.848	Likely Pathoaenic
SCN1A	2	166848569	G	C	1739	P	R	0.739	Likely Benian
SCN1A	2	166848569	G	T	1739	P	H	0.787	Likely Pathoaenic
SCN1A	2	166848567	C	A	1740	D	Y	0.471	Likely Benian
SCN1A	2	166848567	C	G	1740	D	H	0.964	Likely Pathoaenic
SCN1A	2	166848567	C	T	1740	D	N	0.905	Likely Pathoaenic
SCN1A	2	166848566	T	A	1740	D	V	0.954	Likely Pathoaenic
SCN1A	2	166848566	T	C	1740	D	G	0.884	Likely Pathoaenic
SCN1A	2	166848566	T	G	1740	D	A	0.911	Likely Pathoaenic
SCN1A	2	166848565	G	C	1740	D	E	0.318	Likely Benian
SCN1A	2	166848565	G	T	1740	D	E	0.318	Likely Benian
SCN1A	2	166848564	A	C	1741	C	G	0.991	Likely Pathoaenic
SCN1A	2	166848564	A	G	1741	C	R	0.991	Likely Pathoaenic
SCN1A	2	166848564	A	T	1741	C	S	0.988	Likely Pathoaenic
SCN1A	2	166848563	C	A	1741	C	F	0.990	Likely Pathoaenic
SCN1A	2	166848563	C	G	1741	C	S	0.990	Likely Pathoaenic
SCN1A	2	166848563	C	T	1741	C	Y	0.991	Likely Pathoaenic
SCN1A	2	166848562	A	C	1741	C	W	0.993	Likely Pathoaenic
SCN1A	2	166848561	C	A	1742	D	Y	0.901	Likely Pathoaenic
SCN1A	2	166848561	C	G	1742	D	H	0.973	Likely Pathoaenic
SCN1A	2	166848561	C	T	1742	D	N	0.686	Likely Benian
SCN1A	2	166848560	T	A	1742	D	V	0.923	Likely Pathoaenic
SCN1A	2	166848560	T	C	1742	D	G	0.926	Likely Pathoaenic
SCN1A	2	166848560	T	G	1742	D	A	0.906	Likely Pathoaenic
SCN1A	2	166848559	G	C	1742	D	E	0.638	Likely Benian
SCN1A	2	166848559	G	T	1742	D	E	0.642	Likely Benian
SCN1A	2	166848558	G	A	1743	P	S	0.491	Likely Benian
SCN1A	2	166848558	G	C	1743	P	A	0.662	Likely Benian

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166245444	A	G	1710	I	V	0.388	Likely Benign
SCN2A	2	166245444	A	T	1710	I	F	0.972	Likely Pathogenic
SCN2A	2	166245445	T	A	1710	I	N	0.985	Likely Pathogenic
SCN2A	2	166245445	T	C	1710	I	T	0.91	Likely Pathogenic
SCN2A	2	166245445	T	G	1710	I	S	0.932	Likely Pathogenic
SCN2A	2	166245446	T	G	1710	I	M	0.46	Likely Benign
SCN2A	2	166245447	A	C	1711	T	P	0.986	Likely Pathogenic
SCN2A	2	166245447	A	G	1711	T	A	0.772	Likely Benign
SCN2A	2	166245447	A	T	1711	T	S	0.585	Likely Benign
SCN2A	2	166245448	C	A	1711	T	K	0.984	Likely Pathogenic
SCN2A	2	166245448	C	G	1711	T	R	0.986	Likely Pathogenic
SCN2A	2	166245448	C	T	1711	T	I	0.904	Likely Pathogenic
SCN2A	2	166245450	A	C	1712	T	P	0.996	Likely Pathogenic
SCN2A	2	166245450	A	G	1712	T	A	0.995	Likely Pathogenic
SCN2A	2	166245450	A	T	1712	T	S	0.982	Likely Pathogenic
SCN2A	2	166245451	C	A	1712	T	N	0.995	Likely Pathogenic
SCN2A	2	166245451	C	G	1712	T	S	0.979	Likely Pathogenic
SCN2A	2	166245451	C	T	1712	T	I	0.99	Likely Pathogenic
SCN2A	2	166245453	T	A	1713	S	T	0.827	Likely Pathogenic
SCN2A	2	166245453	T	C	1713	S	P	0.98	Likely Pathogenic
SCN2A	2	166245453	T	G	1713	S	A	0.91	Likely Pathogenic
SCN2A	2	166245454	C	A	1713	S	Y	0.971	Likely Pathogenic
SCN2A	2	166245454	C	G	1713	S	C	0.963	Likely Pathogenic
SCN2A	2	166245454	C	T	1713	S	F	0.786	Likely Pathogenic
SCN2A	2	166245456	G	A	1714	A	T	0.812	Likely Pathogenic
SCN2A	2	166245456	G	C	1714	A	P	0.951	Likely Pathogenic
SCN2A	2	166245456	G	T	1714	A	S	0.658	Likely Benign
SCN2A	2	166245457	A	C	1714	A	D	0.522	Likely Benign
SCN2A	2	166245457	C	G	1714	A	G	0.41	Likely Benign
SCN2A	2	166245457	C	T	1714	A	V	0.881	Likely Pathogenic
SCN2A	2	166245459	G	A	1715	G	S	0.992	Likely Pathogenic
SCN2A	2	166245459	G	C	1715	G	R	0.998	Likely Pathogenic
SCN2A	2	166245459	G	T	1715	G	C	0.998	Likely Pathogenic
SCN2A	2	166245460	A	C	1715	G	D	0.994	Likely Pathogenic
SCN2A	2	166245460	G	C	1715	G	A	0.991	Likely Pathogenic
SCN2A	2	166245460	G	T	1715	G	V	0.998	Likely Pathogenic
SCN2A	2	166245462	T	A	1716	W	R	0.994	Likely Pathogenic
SCN2A	2	166245462	T	C	1716	W	R	0.994	Likely Pathogenic
SCN2A	2	166245462	T	G	1716	W	G	0.994	Likely Pathogenic
SCN2A	2	166245463	G	A	1716	W	S	0.991	Likely Pathogenic
SCN2A	2	166245463	G	T	1716	W	L	0.992	Likely Pathogenic
SCN2A	2	166245464	G	C	1716	W	C	0.992	Likely Pathogenic
SCN2A	2	166245464	G	T	1716	W	C	0.991	Likely Pathogenic
SCN2A	2	166245465	A	T	1717	D	N	0.415	Likely Benign
SCN2A	2	166245465	G	C	1717	D	H	0.847	Likely Pathogenic
SCN2A	2	166245465	G	T	1717	D	Y	0.82	Likely Pathogenic
SCN2A	2	166245466	A	C	1717	D	A	0.732	Likely Benign
SCN2A	2	166245466	A	G	1717	D	G	0.89	Likely Pathogenic
SCN2A	2	166245466	A	T	1717	D	V	0.935	Likely Pathogenic
SCN2A	2	166245467	T	A	1717	D	E	0.727	Likely Benign
SCN2A	2	166245467	T	G	1717	D	E	0.69	Likely Benign
SCN2A	2	166245468	G	A	1718	G	R	0.596	Likely Benign
SCN2A	2	166245468	G	C	1718	G	R	0.594	Likely Benign
SCN2A	2	166245469	G	A	1718	G	E	0.279	Likely Benign
SCN2A	2	166245469	G	C	1718	G	A	0.259	Likely Benign
SCN2A	2	166245469	G	T	1718	G	V	0.677	Likely Benign
SCN2A	2	166245471	T	A	1719	L	M	0.79	Likely Pathogenic
SCN2A	2	166245471	T	G	1719	L	V	0.291	Likely Benign
SCN2A	2	166245472	C	T	1719	L	S	0.941	Likely Pathogenic
SCN2A	2	166245472	T	G	1719	L	W	0.968	Likely Pathogenic
SCN2A	2	166245473	G	C	1719	L	F	0.876	Likely Pathogenic
SCN2A	2	166245473	G	T	1719	L	F	0.876	Likely Pathogenic
SCN2A	2	166245474	C	A	1720	L	I	0.834	Likely Pathogenic
SCN2A	2	166245474	C	G	1720	L	V	0.905	Likely Pathogenic
SCN2A	2	166245475	T	A	1720	L	Q	0.981	Likely Pathogenic
SCN2A	2	166245475	T	C	1720	L	P	0.987	Likely Pathogenic
SCN2A	2	166245475	T	G	1720	L	R	0.991	Likely Pathogenic
SCN2A	2	166245477	G	A	1721	A	T	0.207	Likely Benign
SCN2A	2	166245477	G	C	1721	A	P	0.226	Likely Benign
SCN2A	2	166245477	G	T	1721	A	S	0.129	Likely Benign
SCN2A	2	166245478	C	A	1721	A	E	0.128	Likely Benign
SCN2A	2	166245478	C	G	1721	A	G	0.215	Likely Benign
SCN2A	2	166245478	C	T	1721	A	V	0.226	Likely Benign
SCN2A	2	166245480	C	A	1722	P	T	0.864	Likely Pathogenic
SCN2A	2	166245480	C	G	1722	P	A	0.446	Likely Benign
SCN2A	2	166245480	C	T	1722	P	S	0.696	Likely Benign
SCN2A	2	166245481	C	A	1722	P	H	0.955	Likely Pathogenic
SCN2A	2	166245481	C	G	1722	P	R	0.977	Likely Pathogenic
SCN2A	2	166245481	C	T	1722	P	L	0.959	Likely Pathogenic
SCN2A	2	166245483	A	C	1723	I	L	0.859	Likely Pathogenic
SCN2A	2	166245483	A	G	1723	I	V	0.793	Likely Pathogenic
SCN2A	2	166245483	A	T	1723	I	F	0.969	Likely Pathogenic
SCN2A	2	166245484	T	A	1723	I	N	0.986	Likely Pathogenic
SCN2A	2	166245484	T	C	1723	I	T	0.902	Likely Pathogenic
SCN2A	2	166245484	T	G	1723	I	S	0.964	Likely Pathogenic
SCN2A	2	166245485	T	G	1723	I	M	0.531	Likely Benign
SCN2A	2	166245486	C	A	1724	L	I	0.606	Likely Benign
SCN2A	2	166245486	C	G	1724	L	V	0.689	Likely Pathogenic
SCN2A	2	166245486	C	T	1724	L	F	0.909	Likely Pathogenic
SCN2A	2	166245487	T	A	1724	L	H	0.982	Likely Pathogenic
SCN2A	2	166245487	T	C	1724	L	P	0.985	Likely Pathogenic
SCN2A	2	166245487	T	G	1724	L	R	0.978	Likely Pathogenic
SCN2A	2	166245489	A	C	1725	N	H	0.916	Likely Pathogenic
SCN2A	2	166245489	A	G	1725	N	D	0.548	Likely Benign
SCN2A	2	166245489	A	T	1725	N	Y	0.918	Likely Pathogenic
SCN2A	2	166245490	A	C	1725	N	T	0.861	Likely Pathogenic
SCN2A	2	166245490	A	G	1725	N	S	0.739	Likely Benign
SCN2A	2	166245490	A	T	1725	N	I	0.881	Likely Pathogenic
SCN2A	2	166245491	T	A	1725	N	K	0.506	Likely Benign
SCN2A	2	166245491	T	G	1725	N	K	0.484	Likely Benign
SCN2A	2	166245492	A	C	1726	S	R	0.498	Likely Benign
SCN2A	2	166245492	A	G	1726	S	G	0.356	Likely Benign
SCN2A	2	166245492	A	T	1726	S	C	0.825	Likely Pathogenic
SCN2A	2	166245493	G	A	1726	S	N	0.237	Likely Benign
SCN2A	2	166245493	G	C	1726	S	T	0.128	Likely Benign
SCN2A	2	166245493	G	T	1726	S	I	0.309	Likely Benign
SCN2A	2	166245494	A	G	1726	S	R	0.617	Likely Benign
SCN2A	2	166245494	T	G	1726	S	R	0.609	Likely Benign
SCN2A	2	166245495	G	A	1727	G	R	0.188	Likely Benign
SCN2A	2	166245495	G	C	1727	G	R	0.187	Likely Benign
SCN2A	2	166245496	G	A	1727	G	E	0.244	Likely Benign
SCN2A	2	166245496	G	C	1727	G	A	0.201	Likely Benign
SCN2A	2	166245496	G	T	1727	G	V	0.465	Likely Benign
SCN2A	2	166245498	A	T	1728	P	T	0.491	Likely Benign
SCN2A	2	166245498	C	G	1728	P	A	0.211	Likely Benign
SCN2A	2	166245498	C	T	1728	P	S	0.362	Likely Benign
SCN2A	2	166245499	A	C	1728	P	H	0.489	Likely Benign
SCN2A	2	166245499	C	G	1728	P	R	0.407	Likely Benign
SCN2A	2	166245499	C	T	1728	P	L	0.483	Likely Benign
SCN2A	2	166245501	A	G	1729	P	T	0.652	Likely Benign
SCN2A	2	166245501	C	G	1729	P	A	0.408	Likely Benign
SCN2A	2	166245501	C	T	1729	P	S	0.427	Likely Benign
SCN2A	2	166245502	A	G	1729	P	Q	0.44	Likely Benign
SCN2A	2	166245502	C	G	1729	P	R	0.393	Likely Benign
SCN2A	2	166245502	C	T	1729	P	L	0.476	Likely Benign
SCN2A	2	166245504	A	C	1730	D	N	0.516	Likely Benign
SCN2A	2	166245504	G	C	1730	D	H	0.796	Likely Pathogenic
SCN2A	2	166245504	G	T	1730	D	Y	0.336	Likely Benign
SCN2A	2	166245505	A	C	1730	D	A	0.923	Likely Pathogenic
SCN2A	2	166245505	A	G	1730	D	G	0.905	Likely Pathogenic
SCN2A	2	166245505	A	T	1730	D	V	0.957	Likely Pathogenic
SCN2A	2	166245506	C	A	1730	D	E	0.428	Likely Benign
SCN2A	2	166245506	C	G	1730	D	E	0.423	Likely Benign
SCN2A	2	166245507	T	A	1731	C	S	0.982	Likely Pathogenic
SCN2A	2	166245507	T	C	1731	C	R	0.987	Likely Pathogenic
SCN2A	2	166245507	T	G	1731	C	G	0.99	Likely Pathogenic
SCN2A	2	166245508	G	A	1731	C	Y	0.983	Likely Pathogenic
SCN2A	2	166245508	G	C	1731	C	S	0.965	Likely Pathogenic
SCN2A	2	166245508	G	T	1731	C	F	0.979	Likely Pathogenic
SCN2A	2	166245509	T	G	1731	C	W	0.992	Likely Pathogenic
SCN2A	2	166245510	G	A	1732	D	N	0.253	Likely Benign
SCN2A	2	166245510	G	C	1732	D	H	0.82	Likely Pathogenic
SCN2A	2	166245510	G	T	1732	D	Y	0.625	Likely Benign
SCN2A	2	166245511	A	C	1732	D	A	0.874	Likely Pathogenic
SCN2A	2	166245511	A	G	1732	D	G	0.899	Likely Pathogenic
SCN2A	2	166245511	A	T	1732	D	V	0.909	Likely Pathogenic
SCN2A	2	166245512	C	A	1732	D	E	0.537	Likely Benign
SCN2A	2	166245512	C	G	1732	D	E	0.523	Likely Benign
SCN2A	2	166245512	C	T	1732	D	E	0.534	Likely Benign
SCN2A	2	166245513	C	G	1733	P	A	0.298	Likely Benign
SCN2A	2	166245513	C	T	1733	P	S	0.213	Likely Benign
SCN2A	2	166245514	A	T	1733	P	H	0.933	Likely Pathogenic
SCN2A	2	166245514	C	G	1733	P	R	0.633	Likely Benign
SCN2A	2	166245514	C	T	1733	P	L	0.488	Likely Benign
SCN2A	2	166245

GENE	CHR	DNA_LOC	REF_N	ALT_N	Amino Acid	AA_R	AA_A	SCN Index	SCN Index Prediction
SCN1A	2	166848558	G	T	1743	P	T	0.856	Likely Pathoenic
SCN1A	2	166848557	G	A	1743	P	L	0.516	Likely Benign
SCN1A	2	166848557	G	C	1743	P	R	0.682	Likely Benign
SCN1A	2	166848557	G	T	1743	P	H	0.925	Likely Pathoenic
SCN1A	2	166848555	T	A	1744	N	Y	0.442	Likely Benign
SCN1A	2	166848555	T	C	1744	N	D	0.085	Likely Benign
SCN1A	2	166848555	T	G	1744	N	H	0.171	Likely Benign
SCN1A	2	166848554	T	A	1744	N	I	0.226	Likely Benign
SCN1A	2	166848554	T	C	1744	N	S	0.122	Likely Benign
SCN1A	2	166848554	T	G	1744	N	T	0.140	Likely Benign
SCN1A	2	166848553	A	C	1744	N	K	0.138	Likely Benign
SCN1A	2	166848553	A	T	1744	N	K	0.140	Likely Benign
SCN1A	2	166848552	T	C	1745	K	E	0.144	Likely Benign
SCN1A	2	166848552	T	G	1745	K	Q	0.197	Likely Benign
SCN1A	2	166848551	T	A	1745	K	I	0.115	Likely Benign
SCN1A	2	166848551	T	C	1745	K	R	0.136	Likely Benign
SCN1A	2	166848551	T	G	1745	K	T	0.099	Likely Benign
SCN1A	2	166848550	T	A	1745	K	N	0.127	Likely Benign
SCN1A	2	166848550	T	G	1745	K	N	0.125	Likely Benign
SCN1A	2	166848549	C	A	1746	V	F	0.140	Likely Benign
SCN1A	2	166848549	C	G	1746	V	L	0.074	Likely Benign
SCN1A	2	166848549	C	T	1746	V	I	0.058	Likely Benign
SCN1A	2	166848548	A	C	1746	V	G	0.077	Likely Benign
SCN1A	2	166848548	A	G	1746	V	A	0.057	Likely Benign
SCN1A	2	166848548	A	T	1746	V	D	0.045	Likely Benign
SCN1A	2	166848546	T	A	1747	N	Y	0.703	Likely Benign
SCN1A	2	166848546	T	C	1747	N	D	0.319	Likely Benign
SCN1A	2	166848546	T	G	1747	N	H	0.197	Likely Benign
SCN1A	2	166848545	T	A	1747	N	I	0.842	Likely Pathoenic
SCN1A	2	166848545	T	C	1747	N	S	0.400	Likely Benign
SCN1A	2	166848545	T	G	1747	N	T	0.384	Likely Benign
SCN1A	2	166848544	G	C	1747	N	K	0.267	Likely Benign
SCN1A	2	166848544	G	T	1747	N	K	0.269	Likely Benign
SCN1A	2	166848543	G	A	1748	P	S	0.367	Likely Benign
SCN1A	2	166848543	G	C	1748	P	A	0.676	Likely Benign
SCN1A	2	166848543	G	T	1748	P	T	0.309	Likely Benign
SCN1A	2	166848542	G	A	1748	P	L	0.805	Likely Pathoenic
SCN1A	2	166848542	G	C	1748	P	R	0.907	Likely Pathoenic
SCN1A	2	166848542	G	T	1748	P	H	0.947	Likely Pathoenic
SCN1A	2	166848540	C	G	1749	G	R	0.983	Likely Pathoenic
SCN1A	2	166848540	C	T	1749	G	R	0.983	Likely Pathoenic
SCN1A	2	166848539	C	A	1749	G	V	0.984	Likely Pathoenic
SCN1A	2	166848539	C	G	1749	G	A	0.956	Likely Pathoenic
SCN1A	2	166848539	C	T	1749	G	E	0.926	Likely Pathoenic
SCN1A	2	166848537	T	A	1750	S	C	0.822	Likely Pathoenic
SCN1A	2	166848537	T	C	1750	S	G	0.316	Likely Benign
SCN1A	2	166848537	T	G	1750	S	R	0.858	Likely Pathoenic
SCN1A	2	166848536	C	A	1750	S	I	0.669	Likely Benign
SCN1A	2	166848536	C	G	1750	S	T	0.240	Likely Benign
SCN1A	2	166848536	C	T	1750	S	N	0.343	Likely Benign
SCN1A	2	166848535	G	C	1750	S	R	0.745	Likely Benign
SCN1A	2	166848535	G	T	1750	S	R	0.746	Likely Benign
SCN1A	2	166848534	A	C	1751	S	A	0.269	Likely Benign
SCN1A	2	166848534	A	G	1751	S	P	0.483	Likely Benign
SCN1A	2	166848534	A	T	1751	S	T	0.153	Likely Benign
SCN1A	2	166848533	G	A	1751	S	L	0.318	Likely Benign
SCN1A	2	166848531	C	A	1752	V	F	0.638	Likely Benign
SCN1A	2	166848531	C	G	1752	V	L	0.609	Likely Benign
SCN1A	2	166848531	C	T	1752	V	I	0.401	Likely Benign
SCN1A	2	166848530	A	C	1752	V	G	0.508	Likely Benign
SCN1A	2	166848530	A	G	1752	V	A	0.499	Likely Benign
SCN1A	2	166848530	A	T	1752	V	D	0.813	Likely Pathoenic
SCN1A	2	166848528	T	C	1753	K	E	0.301	Likely Benign
SCN1A	2	166848528	T	G	1753	K	Q	0.461	Likely Benign
SCN1A	2	166848527	T	A	1753	K	M	0.887	Likely Pathoenic
SCN1A	2	166848527	T	C	1753	K	R	0.152	Likely Benign
SCN1A	2	166848527	T	G	1753	K	T	0.300	Likely Benign
SCN1A	2	166848526	C	A	1753	K	N	0.256	Likely Benign
SCN1A	2	166848526	C	G	1753	K	N	0.253	Likely Benign
SCN1A	2	166848525	C	G	1754	G	R	0.967	Likely Pathoenic
SCN1A	2	166848525	C	T	1754	G	R	0.967	Likely Pathoenic
SCN1A	2	166848524	A	C	1754	G	V	0.966	Likely Pathoenic
SCN1A	2	166848524	C	G	1754	G	A	0.942	Likely Pathoenic
SCN1A	2	166848524	C	T	1754	G	E	0.928	Likely Pathoenic
SCN1A	2	166848522	C	A	1755	D	Y	0.847	Likely Pathoenic
SCN1A	2	166848522	C	G	1755	D	H	0.888	Likely Pathoenic
SCN1A	2	166848522	C	T	1755	D	N	0.220	Likely Benign
SCN1A	2	166848521	T	A	1755	D	V	0.934	Likely Pathoenic
SCN1A	2	166848521	T	C	1755	D	G	0.835	Likely Pathoenic
SCN1A	2	166848521	T	G	1755	D	A	0.880	Likely Pathoenic
SCN1A	2	166848520	G	C	1755	D	E	0.355	Likely Benign
SCN1A	2	166848520	G	T	1755	D	E	0.367	Likely Benign
SCN1A	2	166848519	A	C	1756	C	G	0.990	Likely Pathoenic
SCN1A	2	166848519	A	G	1756	C	R	0.990	Likely Pathoenic
SCN1A	2	166848519	A	T	1756	C	S	0.991	Likely Pathoenic
SCN1A	2	166848518	C	A	1756	C	F	0.993	Likely Pathoenic
SCN1A	2	166848518	C	G	1756	C	S	0.991	Likely Pathoenic
SCN1A	2	166848518	C	T	1756	C	Y	0.993	Likely Pathoenic
SCN1A	2	166848517	A	C	1756	C	W	0.994	Likely Pathoenic
SCN1A	2	166848516	C	A	1757	G	W	0.987	Likely Pathoenic
SCN1A	2	166848516	C	G	1757	G	R	0.992	Likely Pathoenic
SCN1A	2	166848516	C	T	1757	G	R	0.992	Likely Pathoenic
SCN1A	2	166848515	C	A	1757	G	V	0.982	Likely Pathoenic
SCN1A	2	166848515	C	G	1757	G	A	0.975	Likely Pathoenic
SCN1A	2	166848515	C	T	1757	G	E	0.989	Likely Pathoenic
SCN1A	2	166848513	T	A	1758	N	Y	0.976	Likely Pathoenic
SCN1A	2	166848513	T	C	1758	N	D	0.941	Likely Pathoenic
SCN1A	2	166848513	T	G	1758	N	H	0.937	Likely Pathoenic
SCN1A	2	166848512	T	A	1758	N	I	0.976	Likely Pathoenic
SCN1A	2	166848512	T	C	1758	N	S	0.401	Likely Benign
SCN1A	2	166848512	T	G	1758	N	T	0.935	Likely Pathoenic
SCN1A	2	166848511	G	C	1758	N	K	0.720	Likely Benign
SCN1A	2	166848511	G	T	1758	N	K	0.725	Likely Benign
SCN1A	2	166848510	G	A	1759	P	S	0.865	Likely Pathoenic
SCN1A	2	166848510	G	C	1759	P	A	0.861	Likely Pathoenic
SCN1A	2	166848510	G	T	1759	P	T	0.961	Likely Pathoenic
SCN1A	2	166848509	G	A	1759	P	L	0.984	Likely Pathoenic
SCN1A	2	166848509	G	C	1759	P	R	0.976	Likely Pathoenic
SCN1A	2	166848509	G	T	1759	P	Q	0.972	Likely Pathoenic
SCN1A	2	166848507	A	C	1760	S	A	0.379	Likely Benign
SCN1A	2	166848507	A	G	1760	S	P	0.756	Likely Benign
SCN1A	2	166848507	A	T	1760	S	T	0.410	Likely Benign
SCN1A	2	166848506	G	A	1760	S	F	0.943	Likely Pathoenic
SCN1A	2	166848506	G	C	1760	S	C	0.966	Likely Pathoenic
SCN1A	2	166848506	G	T	1760	S	Y	0.937	Likely Pathoenic
SCN1A	2	166848504	C	A	1761	V	F	0.922	Likely Pathoenic
SCN1A	2	166848504	C	G	1761	V	L	0.426	Likely Benign
SCN1A	2	166848504	C	T	1761	V	I	0.312	Likely Benign
SCN1A	2	166848503	A	C	1761	V	G	0.953	Likely Pathoenic
SCN1A	2	166848503	A	G	1761	V	A	0.828	Likely Pathoenic
SCN1A	2	166848503	A	T	1761	V	D	0.975	Likely Pathoenic
SCN1A	2	166848501	C	G	1762	G	R	0.981	Likely Pathoenic
SCN1A	2	166848501	C	T	1762	G	R	0.981	Likely Pathoenic
SCN1A	2	166848500	C	A	1762	G	V	0.983	Likely Pathoenic
SCN1A	2	166848500	C	G	1762	G	A	0.914	Likely Pathoenic
SCN1A	2	166848500	C	T	1762	G	E	0.988	Likely Pathoenic
SCN1A	2	166848498	T	A	1763	I	F	0.973	Likely Pathoenic
SCN1A	2	166848498	T	C	1763	I	V	0.910	Likely Pathoenic
SCN1A	2	166848498	T	G	1763	I	L	0.964	Likely Pathoenic
SCN1A	2	166848497	A	C	1763	I	S	0.979	Likely Pathoenic
SCN1A	2	166848497	A	G	1763	I	T	0.976	Likely Pathoenic
SCN1A	2	166848497	A	T	1763	I	N	0.990	Likely Pathoenic
SCN1A	2	166848496	A	C	1763	I	M	0.958	Likely Pathoenic
SCN1A	2	166848495	A	C	1764	F	V	0.309	Likely Benign
SCN1A	2	166848495	A	G	1764	F	L	0.319	Likely Benign
SCN1A	2	166848495	A	T	1764	F	I	0.211	Likely Benign
SCN1A	2	166848494	A	C	1764	F	C	0.881	Likely Pathoenic
SCN1A	2	166848494	A	G	1764	F	S	0.858	Likely Pathoenic
SCN1A	2	166848494	A	T	1764	F	Y	0.869	Likely Pathoenic
SCN1A	2	166848493	G	C	1764	F	L	0.281	Likely Benign
SCN1A	2	166848493	G	T	1764	F	L	0.282	Likely Benign
SCN1A	2	166848492	A	C	1765	F	V	0.976	Likely Pathoenic
SCN1A	2	166848492	A	G	1765	F	L	0.979	Likely Pathoenic
SCN1A	2	166848492	A	T	1765	F	I	0.983	Likely Pathoenic
SCN1A	2	166848491	A	C	1765	F	C	0.990	Likely Pathoenic
SCN1A	2	166848491	A	G	1765	F	S	0.993	Likely Pathoenic
SCN1A	2	166848491	A	T	1765	F	Y	0.511	Likely Benign
SCN1A	2	166848490	A	C	1765	F	L	0.978	Likely Pathoenic
SCN1A	2	166848490	A	T	1765	F	I	0.978	Likely Pathoenic
SCN1A	2	166848489	A	C	1766	F	V	0.993	Likely Pathoenic
SCN1A	2	166848489	A	G	1766	F	L	0.978	Likely Pathoenic
SCN1A	2	166848489	A	T	1766	F	I	0.992	Likely Pathoenic
SCN1A	2	166848488	A	C	1766	F	C	0.995	Likely Pathoenic
SCN1A	2	166848488	A	G	1766	F	S	0.994	Likely Pathoenic
SCN1A	2	166848488	A	T	1766	F	Y	0.987	Likely Pathoenic
SCN1A	2	166848487	A	C	1766	F	L	0.976	Likely Pathoenic
SCN1A	2	166848487	A	T	1766	F	L	0.976	Likely Pathoenic
SCN1A	2	166848486	C	A	1767	V	F	0.985	Likely Pathoenic
SCN1A	2	166848486	C	G	1767	V	L	0.908	Likely Pathoenic
SCN1A	2	166848486	C	T	1767	V	I	0.935	Likely Pathoenic
SCN1A	2	166848485	A	C	1767	V	G	0.989	Likely Pathoenic
SCN1A	2	166848485	A	G	1767	V	A	0.974	Likely Pathoenic
SCN1A	2	166848485	A	T	1767	V	D	0.990	Likely Pathoenic
SCN1A	2	166848483	T	A	1768	S	C	0.983	Likely Pathoenic
SCN1A	2	166848483	T	C	1768	S	G	0.976	Likely Pathoenic
SCN1A	2	166848483	T	G	1768	S	R	0.987	Likely Pathoenic
SCN1A	2	166848482	C	A	1768	S	I	0.938	Likely Pathoenic
SCN1A	2	166848482	C	G	1768	S	T	0.636	Likely Benign
SCN1A	2	166848482	C	T	1768	S	N	0.991	Likely Pathoenic
SCN1A	2	166848481	A	C	1768	S	R	0.986	Likely Pathoenic
SCN1A	2	166848481	A	T	1768	S	R	0.986	Likely Pathoenic
SCN1A	2	166848480	A	C	1769	Y	D	0.991	Likely Pathoenic
SCN1A	2	166848480	A	G	1769	Y	H	0.990	Likely Pathoenic
SCN1A	2	166848480	A	T	1769	Y	N	0.991	Likely Pathoenic
SCN1A	2	166848479	T	A	1769	Y	F	0.820	Likely Pathoenic
SCN1A	2	166848479	T	C	1769	Y	C	0.991	Likely Pathoenic
SCN1A	2	166848479	T	G	1769	Y	S	0.988	Likely Pathoenic
SCN1A	2	166848477	T	A	1770	I	F	0.978	Likely Pathoenic
SCN1A	2	166848477	T	C	1770	I	V	0.942	Likely Pathoenic
SCN1A	2	166848477	T	G	1770	I	L	0.817	Likely Pathoenic
SCN1A	2	166848476	A	C	1770	I	S	0.987	Likely Pathoenic
SCN1A	2	166848476	A	G	1770	I	T	0.984	Likely Pathoenic
SCN1A	2	166848476	A	T	1770	I	N	0.987	Likely Pathoenic
SCN1A	2	166848475	T	A	1770	I	M	0.932	Likely Pathoenic
SCN1A	2	166848474	T	A	1771	I	F	0.962	Likely Pathoenic
SCN1A	2	166848474	T	C	1771	I	V	0.711	Likely Benign
SCN1A	2	166848474	T	G	1771	I	L	0.949	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R	AA_A	SCN Index	SCN Index Prediction
SCN2A	2	166245528	C	T	1738	P	S	0.254	Likely Benign
SCN2A	2	166245529	G	A	1738	P	L	0.903	Likely Pathogenic
SCN2A	2	166245529	C	G	1738	P	R	0.775	Likely Benign
SCN2A	2	166245529	C	T	1738	P	L	0.449	Likely Benign
SCN2A	2	166245531	A	G	1739	G	R	0.843	Likely Pathogenic
SCN2A	2	166245531	G	C	1739	G	R	0.839	Likely Pathogenic
SCN2A	2	166245532	G	A	1739	G	E	0.602	Likely Benign
SCN2A	2	166245532	G	C	1739	G	A	0.666	Likely Benign
SCN2A	2	166245532	G	T	1739	G	V	0.924	Likely Pathogenic
SCN2A	2	166245534	A	C	1740	S	K	0.656	Likely Benign
SCN2A	2	166245534	A	G	1740	S	G	0.315	Likely Benign
SCN2A	2	166245534	A	T	1740	S	C	0.544	Likely Benign
SCN2A	2	166245535	G	A	1740	S	N	0.169	Likely Benign
SCN2A	2	166245535	G	C	1740	S	T	0.1	Likely Benign
SCN2A	2	166245535	G	T	1740	S	I	0.241	Likely Benign
SCN2A	2	166245536	C	A	1740	S	R	0.535	Likely Benign
SCN2A	2	166245536	C	G	1740	S	R	0.534	Likely Benign
SCN2A	2	166245537	T	A	1741	S	T	0.154	Likely Benign
SCN2A	2	166245537	T	C	1741	S	P	0.315	Likely Benign
SCN2A	2	166245537	T	G	1741	S	A	0.214	Likely Benign
SCN2A	2	166245538	C	T	1741	S	L	0.241	Likely Benign
SCN2A	2	166245540	G	A	1742	V	I	0.25	Likely Benign
SCN2A	2	166245540	G	C	1742	V	L	0.281	Likely Benign
SCN2A	2	166245540	G	T	1742	V	F	0.335	Likely Benign
SCN2A	2	166245541	T	A	1742	V	D	0.518	Likely Benign
SCN2A	2	166245541	T	C	1742	V	A	0.385	Likely Benign
SCN2A	2	166245541	T	G	1742	V	G	0.581	Likely Benign
SCN2A	2	166245543	A	G	1743	K	Q	0.347	Likely Benign
SCN2A	2	166245543	A	G	1743	K	E	0.219	Likely Benign
SCN2A	2	166245544	A	C	1743	K	T	0.287	Likely Benign
SCN2A	2	166245544	A	G	1743	K	R	0.13	Likely Benign
SCN2A	2	166245544	A	T	1743	K	I	0.637	Likely Benign
SCN2A	2	166245545	A	C	1743	K	N	0.322	Likely Benign
SCN2A	2	166245545	A	T	1743	K	N	0.322	Likely Benign
SCN2A	2	166245546	G	A	1744	G	R	0.923	Likely Pathogenic
SCN2A	2	166245546	G	C	1744	G	R	0.926	Likely Pathogenic
SCN2A	2	166245547	G	A	1744	G	E	0.877	Likely Pathogenic
SCN2A	2	166245547	G	C	1744	G	A	0.851	Likely Pathogenic
SCN2A	2	166245547	G	T	1744	G	V	0.941	Likely Pathogenic
SCN2A	2	166245549	A	G	1745	D	N	0.093	Likely Benign
SCN2A	2	166245549	G	C	1745	D	H	0.415	Likely Benign
SCN2A	2	166245549	G	T	1745	D	Y	0.373	Likely Benign
SCN2A	2	166245550	A	C	1745	D	A	0.691	Likely Benign
SCN2A	2	166245550	A	G	1745	D	G	0.592	Likely Benign
SCN2A	2	166245550	A	T	1745	D	V	0.89	Likely Pathogenic
SCN2A	2	166245551	C	A	1745	D	E	0.312	Likely Benign
SCN2A	2	166245551	C	G	1745	D	E	0.308	Likely Benign
SCN2A	2	166245552	T	A	1746	C	S	0.99	Likely Pathogenic
SCN2A	2	166245552	T	C	1746	C	R	0.987	Likely Pathogenic
SCN2A	2	166245552	T	G	1746	C	G	0.991	Likely Pathogenic
SCN2A	2	166245553	G	A	1746	C	Y	0.992	Likely Pathogenic
SCN2A	2	166245553	G	C	1746	C	S	0.986	Likely Pathogenic
SCN2A	2	166245553	G	T	1746	C	F	0.99	Likely Pathogenic
SCN2A	2	166245554	T	G	1746	C	W	0.994	Likely Pathogenic
SCN2A	2	166245555	G	A	1747	G	R	0.992	Likely Pathogenic
SCN2A	2	166245555	G	C	1747	G	A	0.928	Likely Pathogenic
SCN2A	2	166245555	G	T	1747	G	W	0.983	Likely Pathogenic
SCN2A	2	166245556	G	A	1747	G	E	0.987	Likely Pathogenic
SCN2A	2	166245556	G	C	1747	G	A	0.928	Likely Pathogenic
SCN2A	2	166245556	G	T	1747	G	V	0.972	Likely Pathogenic
SCN2A	2	166245558	A	C	1748	N	H	0.89	Likely Pathogenic
SCN2A	2	166245558	A	G	1748	N	D	0.919	Likely Pathogenic
SCN2A	2	166245558	A	T	1748	N	Y	0.977	Likely Pathogenic
SCN2A	2	166245559	A	C	1748	N	Y	0.937	Likely Pathogenic
SCN2A	2	166245559	A	G	1748	N	S	0.421	Likely Benign
SCN2A	2	166245559	A	T	1748	N	I	0.976	Likely Pathogenic
SCN2A	2	166245560	C	A	1748	N	K	0.801	Likely Pathogenic
SCN2A	2	166245560	C	G	1748	N	K	0.784	Likely Pathogenic
SCN2A	2	166245561	A	G	1749	P	T	0.814	Likely Pathogenic
SCN2A	2	166245561	C	G	1749	P	A	0.511	Likely Benign
SCN2A	2	166245561	C	T	1749	P	S	0.493	Likely Benign
SCN2A	2	166245562	A	G	1749	P	Q	0.879	Likely Pathogenic
SCN2A	2	166245562	C	G	1749	P	R	0.908	Likely Pathogenic
SCN2A	2	166245562	C	T	1749	P	L	0.967	Likely Pathogenic
SCN2A	2	166245564	A	C	1750	S	T	0.425	Likely Benign
SCN2A	2	166245564	T	C	1750	S	P	0.736	Likely Benign
SCN2A	2	166245564	T	G	1750	S	A	0.329	Likely Benign
SCN2A	2	166245565	C	A	1750	S	Y	0.703	Likely Benign
SCN2A	2	166245565	C	G	1750	S	C	0.662	Likely Benign
SCN2A	2	166245565	C	T	1750	S	F	0.603	Likely Benign
SCN2A	2	166245567	G	A	1751	V	I	0.292	Likely Benign
SCN2A	2	166245567	G	C	1751	V	L	0.362	Likely Benign
SCN2A	2	166245567	G	T	1751	V	F	0.804	Likely Pathogenic
SCN2A	2	166245568	T	A	1751	V	D	0.981	Likely Pathogenic
SCN2A	2	166245568	T	C	1751	V	A	0.944	Likely Pathogenic
SCN2A	2	166245568	T	G	1751	V	G	0.965	Likely Pathogenic
SCN2A	2	166245570	G	A	1752	G	R	0.971	Likely Pathogenic
SCN2A	2	166245570	G	C	1752	G	R	0.972	Likely Pathogenic
SCN2A	2	166245570	G	T	1752	G	W	0.986	Likely Pathogenic
SCN2A	2	166245571	G	A	1752	G	E	0.984	Likely Pathogenic
SCN2A	2	166245571	G	C	1752	G	A	0.73	Likely Benign
SCN2A	2	166245571	G	T	1752	G	V	0.966	Likely Pathogenic
SCN2A	2	166245573	A	C	1753	I	L	0.946	Likely Pathogenic
SCN2A	2	166245573	A	G	1753	I	V	0.821	Likely Pathogenic
SCN2A	2	166245573	A	T	1753	I	F	0.973	Likely Pathogenic
SCN2A	2	166245574	T	A	1753	I	N	0.992	Likely Pathogenic
SCN2A	2	166245574	T	C	1753	I	T	0.97	Likely Pathogenic
SCN2A	2	166245574	T	G	1753	I	S	0.977	Likely Pathogenic
SCN2A	2	166245575	T	G	1753	I	M	0.962	Likely Pathogenic
SCN2A	2	166245576	T	A	1754	F	I	0.168	Likely Benign
SCN2A	2	166245576	T	C	1754	F	L	0.231	Likely Benign
SCN2A	2	166245576	T	G	1754	F	V	0.204	Likely Benign
SCN2A	2	166245577	T	A	1754	F	Y	0.82	Likely Pathogenic
SCN2A	2	166245577	T	C	1754	F	S	0.726	Likely Benign
SCN2A	2	166245577	T	G	1754	F	C	0.699	Likely Benign
SCN2A	2	166245578	C	A	1754	F	L	0.205	Likely Benign
SCN2A	2	166245578	C	G	1754	F	L	0.206	Likely Benign
SCN2A	2	166245579	T	A	1755	F	I	0.978	Likely Pathogenic
SCN2A	2	166245579	T	C	1755	F	L	0.969	Likely Pathogenic
SCN2A	2	166245579	T	G	1755	F	V	0.969	Likely Pathogenic
SCN2A	2	166245580	T	A	1755	F	Y	0.443	Likely Benign
SCN2A	2	166245580	T	C	1755	F	S	0.994	Likely Pathogenic
SCN2A	2	166245580	T	G	1755	F	C	0.99	Likely Pathogenic
SCN2A	2	166245581	T	A	1755	F	L	0.911	Likely Pathogenic
SCN2A	2	166245581	T	G	1755	F	L	0.908	Likely Pathogenic
SCN2A	2	166245582	T	A	1756	F	I	0.992	Likely Pathogenic
SCN2A	2	166245582	T	C	1756	F	L	0.913	Likely Pathogenic
SCN2A	2	166245582	T	G	1756	F	V	0.992	Likely Pathogenic
SCN2A	2	166245583	T	A	1756	F	Y	0.988	Likely Pathogenic
SCN2A	2	166245583	T	C	1756	F	S	0.995	Likely Pathogenic
SCN2A	2	166245583	T	G	1756	F	C	0.995	Likely Pathogenic
SCN2A	2	166245584	T	A	1756	F	L	0.958	Likely Pathogenic
SCN2A	2	166245584	T	C	1756	F	S	0.958	Likely Pathogenic
SCN2A	2	166245585	G	A	1757	V	I	0.585	Likely Benign
SCN2A	2	166245585	G	C	1757	V	L	0.496	Likely Benign
SCN2A	2	166245585	G	T	1757	V	F	0.961	Likely Pathogenic
SCN2A	2	166245586	T	A	1757	V	D	0.992	Likely Pathogenic
SCN2A	2	166245586	T	C	1757	V	A	0.981	Likely Pathogenic
SCN2A	2	166245586	T	G	1757	V	G	0.992	Likely Pathogenic
SCN2A	2	166245588	A	C	1758	S	R	0.988	Likely Pathogenic
SCN2A	2	166245588	A	G	1758	S	G	0.968	Likely Pathogenic
SCN2A	2	166245588	A	T	1758	S	C	0.984	Likely Pathogenic
SCN2A	2	166245589	A	G	1758	S	N	0.973	Likely Pathogenic
SCN2A	2	166245589	G	C	1758	S	T	0.362	Likely Benign
SCN2A	2	166245589	G	T	1758	S	I	0.673	Likely Benign
SCN2A	2	166245590	T	A	1758	S	R	0.987	Likely Pathogenic
SCN2A	2	166245590	T	G	1758	S	R	0.987	Likely Pathogenic
SCN2A	2	166245591	T	A	1759	Y	N	0.992	Likely Pathogenic
SCN2A	2	166245591	T	C	1759	Y	H	0.992	Likely Pathogenic
SCN2A	2	166245591	T	G	1759	Y	D	0.992	Likely Pathogenic
SCN2A	2	166245592	A	C	1759	Y	S	0.989	Likely Pathogenic
SCN2A	2	166245592	A	G	1759	Y	C	0.992	Likely Pathogenic
SCN2A	2	166245592	A	T	1759	Y	F	0.705	Likely Benign
SCN2A	2	166245594	A	C	1760	I	L	0.637	Likely Benign
SCN2A	2	166245594	A	G	1760	I	V	0.89	Likely Pathogenic
SCN2A	2	166245594	A	T	1760	I	F	0.978	Likely Pathogenic
SCN2A	2	166245595	T	A	1760	I	N	0.989	Likely Pathogenic
SCN2A	2	166245595	T	C	1760	I	T	0.984	Likely Pathogenic
SCN2A	2	166245595	T	G	1760	I	S	0.989	Likely Pathogenic
SCN2A	2	166245596	C	G	1760	I	M	0.907	Likely Pathogenic
SCN2A	2	166245597	A	C	1761	I	L	0.817	Likely Pathogenic
SCN2A	2	166245597	A	G	1761	I	V	0.468	Likely Benign
SCN2A	2	166245597	A	T	1761	I	F	0.902	Likely Pathogenic
SCN2A	2	166245598	T	A	1761	I	N	0.992	Likely Pathogenic
SCN2A	2	166245598	T	C	1761	I	T	0.983	Likely Pathogenic
SCN2A	2	166245598	T	G	1761	I	S	0.982	Likely Pathogenic
SCN2A	2	166245599	C	G	1761	I	M	0.807	Likely Pathogenic
SCN2A	2	166245600	G	A	1762

GENE	CHR	DNA_LOC	REF_N T	ALT_N NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166848473	A	C	1771	I	S	0.985	Likely Pathoenic
SCN1A	2	166848473	A	G	1771	I	T	0.986	Likely Pathoenic
SCN1A	2	166848473	A	T	1771	I	N	0.992	Likely Pathoenic
SCN1A	2	166848472	G	C	1771	I	M	0.920	Likely Pathoenic
SCN1A	2	166848471	T	A	1772	I	L	0.854	Likely Pathoenic
SCN1A	2	166848471	T	C	1772	I	V	0.919	Likely Pathoenic
SCN1A	2	166848471	T	G	1772	I	L	0.854	Likely Pathoenic
SCN1A	2	166848470	A	C	1772	I	R	0.991	Likely Pathoenic
SCN1A	2	166848470	A	G	1772	I	T	0.979	Likely Pathoenic
SCN1A	2	166848470	A	T	1772	I	K	0.991	Likely Pathoenic
SCN1A	2	166848469	T	C	1772	I	M	0.942	Likely Pathoenic
SCN1A	2	166848468	A	C	1773	S	A	0.763	Likely Benian
SCN1A	2	166848468	A	G	1773	S	P	0.977	Likely Pathoenic
SCN1A	2	166848468	A	T	1773	S	T	0.690	Likely Benian
SCN1A	2	166848467	G	A	1773	S	F	0.969	Likely Pathoenic
SCN1A	2	166848467	G	C	1773	S	C	0.412	Likely Benian
SCN1A	2	166848467	G	T	1773	S	Y	0.984	Likely Pathoenic
SCN1A	2	166848465	A	C	1774	F	V	0.966	Likely Pathoenic
SCN1A	2	166848465	A	G	1774	F	L	0.964	Likely Pathoenic
SCN1A	2	166848465	A	T	1774	F	I	0.973	Likely Pathoenic
SCN1A	2	166848464	A	C	1774	F	C	0.977	Likely Pathoenic
SCN1A	2	166848464	A	G	1774	F	S	0.864	Likely Pathoenic
SCN1A	2	166848464	A	T	1774	F	Y	0.970	Likely Pathoenic
SCN1A	2	166848463	G	C	1774	F	L	0.955	Likely Pathoenic
SCN1A	2	166848463	G	T	1774	F	L	0.955	Likely Pathoenic
SCN1A	2	166848462	G	C	1775	L	V	0.955	Likely Pathoenic
SCN1A	2	166848462	G	T	1775	L	M	0.943	Likely Pathoenic
SCN1A	2	166848461	A	C	1775	L	R	0.988	Likely Pathoenic
SCN1A	2	166848461	A	G	1775	L	P	0.993	Likely Pathoenic
SCN1A	2	166848461	A	T	1775	L	Q	0.990	Likely Pathoenic
SCN1A	2	166848459	C	A	1776	V	F	0.913	Likely Pathoenic
SCN1A	2	166848459	C	G	1776	V	L	0.894	Likely Pathoenic
SCN1A	2	166848459	C	T	1776	V	I	0.379	Likely Benian
SCN1A	2	166848458	A	C	1776	V	G	0.984	Likely Pathoenic
SCN1A	2	166848458	A	G	1776	V	A	0.947	Likely Pathoenic
SCN1A	2	166848458	A	T	1776	V	D	0.988	Likely Pathoenic
SCN1A	2	166848456	C	A	1777	V	L	0.946	Likely Pathoenic
SCN1A	2	166848456	C	G	1777	V	L	0.947	Likely Pathoenic
SCN1A	2	166848456	C	T	1777	V	M	0.965	Likely Pathoenic
SCN1A	2	166848455	A	C	1777	V	G	0.993	Likely Pathoenic
SCN1A	2	166848455	A	G	1777	V	A	0.989	Likely Pathoenic
SCN1A	2	166848455	A	T	1777	V	E	0.993	Likely Pathoenic
SCN1A	2	166848453	C	A	1778	V	L	0.750	Likely Benian
SCN1A	2	166848453	C	G	1778	V	L	0.771	Likely Benian
SCN1A	2	166848453	C	T	1778	V	M	0.971	Likely Pathoenic
SCN1A	2	166848452	A	C	1778	V	G	0.990	Likely Pathoenic
SCN1A	2	166848452	A	G	1778	V	A	0.988	Likely Pathoenic
SCN1A	2	166848452	A	T	1778	V	E	0.990	Likely Pathoenic
SCN1A	2	166848450	T	A	1779	N	Y	0.994	Likely Pathoenic
SCN1A	2	166848450	T	C	1779	N	D	0.996	Likely Pathoenic
SCN1A	2	166848450	T	G	1779	N	H	0.994	Likely Pathoenic
SCN1A	2	166848449	T	A	1779	N	I	0.996	Likely Pathoenic
SCN1A	2	166848449	T	C	1779	N	S	0.992	Likely Pathoenic
SCN1A	2	166848449	T	G	1779	N	T	0.995	Likely Pathoenic
SCN1A	2	166848448	G	C	1779	N	K	0.994	Likely Pathoenic
SCN1A	2	166848448	G	T	1779	N	K	0.994	Likely Pathoenic
SCN1A	2	166848447	T	A	1780	M	L	0.528	Likely Benian
SCN1A	2	166848447	T	C	1780	M	V	0.966	Likely Pathoenic
SCN1A	2	166848447	T	G	1780	M	L	0.527	Likely Benian
SCN1A	2	166848446	A	C	1780	M	R	0.990	Likely Pathoenic
SCN1A	2	166848446	A	G	1780	M	T	0.990	Likely Pathoenic
SCN1A	2	166848446	A	T	1780	M	K	0.990	Likely Pathoenic
SCN1A	2	166848445	C	A	1780	M	I	0.979	Likely Pathoenic
SCN1A	2	166848445	C	G	1780	M	I	0.980	Likely Pathoenic
SCN1A	2	166848445	C	T	1780	M	I	0.979	Likely Pathoenic
SCN1A	2	166848444	A	C	1781	Y	D	0.987	Likely Pathoenic
SCN1A	2	166848444	A	G	1781	Y	H	0.986	Likely Pathoenic
SCN1A	2	166848444	A	T	1781	Y	N	0.990	Likely Pathoenic
SCN1A	2	166848443	T	A	1781	Y	F	0.821	Likely Pathoenic
SCN1A	2	166848443	T	C	1781	Y	C	0.986	Likely Pathoenic
SCN1A	2	166848443	T	G	1781	Y	S	0.986	Likely Pathoenic
SCN1A	2	166848441	A	T	1782	I	F	0.994	Likely Pathoenic
SCN1A	2	166848441	T	C	1782	I	V	0.958	Likely Pathoenic
SCN1A	2	166848441	T	G	1782	I	L	0.963	Likely Pathoenic
SCN1A	2	166848440	A	C	1782	I	S	0.994	Likely Pathoenic
SCN1A	2	166848440	A	G	1782	I	T	0.985	Likely Pathoenic
SCN1A	2	166848440	A	T	1782	I	N	0.994	Likely Pathoenic
SCN1A	2	166848439	G	C	1782	M	M	0.991	Likely Pathoenic
SCN1A	2	166848438	C	A	1783	A	S	0.992	Likely Pathoenic
SCN1A	2	166848438	C	G	1783	A	P	0.995	Likely Pathoenic
SCN1A	2	166848438	C	T	1783	A	T	0.991	Likely Pathoenic
SCN1A	2	166848437	G	A	1783	A	V	0.991	Likely Pathoenic
SCN1A	2	166848437	G	C	1783	A	G	0.961	Likely Pathoenic
SCN1A	2	166848437	G	T	1783	A	E	0.996	Likely Pathoenic
SCN1A	2	166848435	A	C	1784	V	F	0.989	Likely Pathoenic
SCN1A	2	166848435	A	G	1784	V	L	0.929	Likely Pathoenic
SCN1A	2	166848435	C	T	1784	V	I	0.389	Likely Benian
SCN1A	2	166848434	A	C	1784	V	G	0.992	Likely Pathoenic
SCN1A	2	166848434	A	G	1784	V	A	0.983	Likely Pathoenic
SCN1A	2	166848434	A	T	1784	V	D	0.992	Likely Pathoenic
SCN1A	2	166848433	T	A	1785	I	F	0.995	Likely Pathoenic
SCN1A	2	166848432	T	C	1785	I	V	0.961	Likely Pathoenic
SCN1A	2	166848432	T	G	1785	I	L	0.975	Likely Pathoenic
SCN1A	2	166848431	A	C	1785	I	S	0.994	Likely Pathoenic
SCN1A	2	166848431	A	G	1785	I	T	0.995	Likely Pathoenic
SCN1A	2	166848431	A	T	1785	I	N	0.995	Likely Pathoenic
SCN1A	2	166848430	G	C	1785	I	M	0.987	Likely Pathoenic
SCN1A	2	166848429	G	A	1786	L	V	0.973	Likely Pathoenic
SCN1A	2	166848429	G	T	1786	L	M	0.925	Likely Pathoenic
SCN1A	2	166848428	A	C	1786	L	R	0.982	Likely Pathoenic
SCN1A	2	166848428	A	G	1786	L	P	0.984	Likely Pathoenic
SCN1A	2	166848428	A	T	1786	L	Q	0.981	Likely Pathoenic
SCN1A	2	166848426	C	G	1787	E	Q	0.981	Likely Pathoenic
SCN1A	2	166848426	C	T	1787	E	K	0.982	Likely Pathoenic
SCN1A	2	166848425	T	A	1787	E	V	0.983	Likely Pathoenic
SCN1A	2	166848425	T	C	1787	E	G	0.983	Likely Pathoenic
SCN1A	2	166848425	T	G	1787	E	A	0.981	Likely Pathoenic
SCN1A	2	166848424	C	A	1787	E	D	0.792	Likely Pathoenic
SCN1A	2	166848424	C	G	1787	E	D	0.772	Likely Benian
SCN1A	2	166848423	T	A	1788	N	Y	0.978	Likely Pathoenic
SCN1A	2	166848423	T	C	1788	N	D	0.976	Likely Pathoenic
SCN1A	2	166848423	T	G	1788	N	H	0.973	Likely Pathoenic
SCN1A	2	166848422	T	A	1788	N	I	0.978	Likely Pathoenic
SCN1A	2	166848422	T	C	1788	N	S	0.974	Likely Pathoenic
SCN1A	2	166848422	T	G	1788	N	T	0.982	Likely Pathoenic
SCN1A	2	166848421	G	C	1788	N	K	0.971	Likely Pathoenic
SCN1A	2	166848421	G	T	1788	N	K	0.971	Likely Pathoenic
SCN1A	2	166848420	A	C	1789	F	V	0.974	Likely Pathoenic
SCN1A	2	166848420	A	G	1789	F	L	0.879	Likely Pathoenic
SCN1A	2	166848420	A	T	1789	F	I	0.975	Likely Pathoenic
SCN1A	2	166848419	A	C	1789	F	C	0.982	Likely Pathoenic
SCN1A	2	166848419	A	G	1789	F	S	0.982	Likely Pathoenic
SCN1A	2	166848419	A	T	1789	F	Y	0.761	Likely Benian
SCN1A	2	166848418	G	C	1789	F	L	0.846	Likely Pathoenic
SCN1A	2	166848418	G	T	1789	F	L	0.845	Likely Pathoenic
SCN1A	2	166848417	A	C	1790	S	C	0.945	Likely Pathoenic
SCN1A	2	166848417	T	C	1790	S	G	0.395	Likely Benian
SCN1A	2	166848417	T	G	1790	S	R	0.947	Likely Pathoenic
SCN1A	2	166848416	C	A	1790	S	I	0.970	Likely Pathoenic
SCN1A	2	166848416	C	G	1790	S	T	0.889	Likely Pathoenic
SCN1A	2	166848416	C	T	1790	S	N	0.421	Likely Benian
SCN1A	2	166848415	A	C	1790	S	R	0.930	Likely Pathoenic
SCN1A	2	166848415	A	T	1790	S	R	0.932	Likely Pathoenic
SCN1A	2	166848414	C	A	1791	V	F	0.973	Likely Pathoenic
SCN1A	2	166848414	C	G	1791	V	L	0.955	Likely Pathoenic
SCN1A	2	166848414	C	T	1791	V	I	0.892	Likely Pathoenic
SCN1A	2	166848413	A	C	1791	V	G	0.966	Likely Pathoenic
SCN1A	2	166848413	A	G	1791	V	A	0.904	Likely Pathoenic
SCN1A	2	166848413	A	T	1791	V	D	0.949	Likely Pathoenic
SCN1A	2	166848411	C	A	1792	A	S	0.979	Likely Pathoenic
SCN1A	2	166848411	C	G	1792	A	P	0.973	Likely Pathoenic
SCN1A	2	166848411	C	T	1792	A	T	0.980	Likely Pathoenic
SCN1A	2	166848410	G	A	1792	A	V	0.943	Likely Pathoenic
SCN1A	2	166848410	G	C	1792	A	G	0.979	Likely Pathoenic
SCN1A	2	166848410	G	T	1792	A	D	0.980	Likely Pathoenic
SCN1A	2	166848408	T	A	1793	T	S	0.896	Likely Pathoenic
SCN1A	2	166848408	T	C	1793	T	A	0.946	Likely Pathoenic
SCN1A	2	166848408	T	G	1793	T	P	0.977	Likely Pathoenic
SCN1A	2	166848407	G	A	1793	T	I	0.980	Likely Pathoenic
SCN1A	2	166848407	G	C	1793	T	S	0.949	Likely Pathoenic
SCN1A	2	166848407	G	T	1793	T	N	0.978	Likely Pathoenic
SCN1A	2	166848405	C	G	1794	E	Q	0.927	Likely Pathoenic
SCN1A	2	166848405	C	T	1794	E	K	0.928	Likely Pathoenic
SCN1A	2	166848404	T	A	1794	E	V	0.978	Likely Pathoenic
SCN1A	2	166848404	T	C	1794	E	G	0.978	Likely Pathoenic
SCN1A	2	166848404	T	G	1794	E	A	0.965	Likely Pathoenic
SCN1A	2	166848403	T	A	1794	E	D	0.914	Likely Pathoenic
SCN1A	2	166848403	T	G	1794	E	D	0.913	Likely Pathoenic
SCN1A	2	166848402	C	G	1795	E	Q	0.927	Likely Pathoenic
SCN1A	2	166848402	C	T	1795	E	K	0.919	Likely Pathoenic
SCN1A	2	166848401	A	C	1795	E	V	0.979	Likely Pathoenic
SCN1A	2	166848401	T	C	1795	E	G	0.979	Likely Pathoenic
SCN1A	2	166848401	T	G	1795	E	A	0.946	Likely Pathoenic
SCN1A	2	166848400	T	A	1795	E	D	0.397	Likely Benian
SCN1A	2	166848400	T	G	1795	E	D	0.395	Likely Benian
SCN1A	2	166848399	T	A	1796	S	C	0.976	Likely Pathoenic
SCN1A	2	166848399	T	C	1796	S	G	0.956	Likely Pathoenic
SCN1A	2	166848399	T	G	1796	S	R	0.977	Likely Pathoenic
SCN1A	2	166848398	C	A	1796	S	I	0.975	Likely Pathoenic
SCN1A	2	166848398	C	G	1796	S	T	0.968	Likely Pathoenic
SCN1A	2	166848398	C	T	1796	S	N	0.952	Likely Pathoenic
SCN1A	2	166848397	A	C	1796	S	R	0.959	Likely Pathoenic
SCN1A	2	166848397	A	T	1796	S	R	0.958	Likely Pathoenic
SCN1A	2	166848396	C	A	1797	A	S	0.258	Likely Benian
SCN1A	2	166848396	C	G	1797	A	P	0.809	Likely Pathoenic
SCN1A	2	166848396	C	T	1797	A	T	0.205	Likely Benian
SCN1A	2	166848395	A	G	1797	A	V	0.784	Likely Pathoenic
SCN1A	2	166848395	G	C	1797	A	G	0.459	Likely Benian
SCN1A	2	166848395	G	T	1797	A	E	0.441	Likely Benian
SCN1A	2	166848393	C	G	1798	E	Q	0.952	Likely Pathoenic
SCN1A	2	166848393	C	T	1798	E	K	0.947	Likely Pathoenic
SCN1A	2	166848392	T	A	1798	E	V	0.916	Likely Pathoenic
SCN1A	2	166848392	T	C	1798	E	G	0.924	Likely Pathoenic
SCN1A	2	166848392	T	G	1798	E	A	0.932	Likely Pathoenic
SCN1A	2	166848391	C	A	1798	E	D	0.213	Likely Benian
SCN1A	2	166848391	C	G	1798	E	D	0.210	Likely Benian
SCN1A	2	166848390	G	A	1799	P	S	0.958	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166245613	T	C	1766	V	A	0.848	Likely Pathogenic
SCN2A	2	166245613	T	G	1766	V	G	0.97	Likely Pathogenic
SCN2A	2	166245615	G	A	1767	V	M	0.807	Likely Pathogenic
SCN2A	2	166245615	G	C	1767	V	L	0.658	Likely Benign
SCN2A	2	166245615	G	T	1767	V	L	0.662	Likely Benign
SCN2A	2	166245616	T	A	1767	V	E	0.994	Likely Pathogenic
SCN2A	2	166245616	T	C	1767	V	A	0.989	Likely Pathogenic
SCN2A	2	166245616	T	G	1767	V	G	0.994	Likely Pathogenic
SCN2A	2	166245618	C	A	1768	V	M	0.788	Likely Pathogenic
SCN2A	2	166245618	G	C	1768	V	L	0.341	Likely Benign
SCN2A	2	166245618	G	T	1768	V	L	0.338	Likely Benign
SCN2A	2	166245619	T	A	1768	V	E	0.99	Likely Pathogenic
SCN2A	2	166245619	T	C	1768	V	A	0.986	Likely Pathogenic
SCN2A	2	166245619	T	G	1768	V	G	0.99	Likely Pathogenic
SCN2A	2	166245621	A	C	1769	N	H	0.995	Likely Pathogenic
SCN2A	2	166245621	A	G	1769	N	D	0.996	Likely Pathogenic
SCN2A	2	166245621	A	T	1769	N	Y	0.993	Likely Pathogenic
SCN2A	2	166245622	A	C	1769	N	T	0.995	Likely Pathogenic
SCN2A	2	166245622	A	G	1769	N	S	0.99	Likely Pathogenic
SCN2A	2	166245622	A	T	1769	N	I	0.997	Likely Pathogenic
SCN2A	2	166245623	C	A	1769	N	K	0.993	Likely Pathogenic
SCN2A	2	166245623	C	G	1769	N	K	0.992	Likely Pathogenic
SCN2A	2	166245624	A	C	1770	M	L	0.305	Likely Benign
SCN2A	2	166245624	A	G	1770	M	V	0.931	Likely Pathogenic
SCN2A	2	166245624	A	T	1770	M	L	0.305	Likely Benign
SCN2A	2	166245625	T	A	1770	M	K	0.991	Likely Pathogenic
SCN2A	2	166245625	T	C	1770	M	T	0.99	Likely Pathogenic
SCN2A	2	166245625	T	G	1770	M	R	0.992	Likely Pathogenic
SCN2A	2	166245626	G	A	1770	M	I	0.933	Likely Pathogenic
SCN2A	2	166245626	G	C	1770	M	I	0.933	Likely Pathogenic
SCN2A	2	166245626	G	T	1770	M	I	0.933	Likely Pathogenic
SCN2A	2	166245627	T	A	1771	Y	N	0.989	Likely Pathogenic
SCN2A	2	166245627	T	C	1771	Y	H	0.985	Likely Pathogenic
SCN2A	2	166245627	T	G	1771	Y	D	0.985	Likely Pathogenic
SCN2A	2	166245628	A	C	1771	Y	S	0.985	Likely Pathogenic
SCN2A	2	166245628	A	G	1771	Y	C	0.986	Likely Pathogenic
SCN2A	2	166245628	A	T	1771	Y	F	0.729	Likely Benign
SCN2A	2	166245630	A	C	1772	I	L	0.948	Likely Pathogenic
SCN2A	2	166245630	A	G	1772	I	V	0.921	Likely Pathogenic
SCN2A	2	166245630	A	T	1772	I	F	0.994	Likely Pathogenic
SCN2A	2	166245631	T	A	1772	I	N	0.994	Likely Pathogenic
SCN2A	2	166245631	T	C	1772	I	T	0.982	Likely Pathogenic
SCN2A	2	166245631	T	G	1772	I	S	0.994	Likely Pathogenic
SCN2A	2	166245632	A	C	1772	M	M	0.992	Likely Pathogenic
SCN2A	2	166245633	G	A	1773	A	T	0.993	Likely Pathogenic
SCN2A	2	166245633	G	C	1773	A	P	0.995	Likely Pathogenic
SCN2A	2	166245633	G	T	1773	A	S	0.992	Likely Pathogenic
SCN2A	2	166245634	C	A	1773	A	E	0.996	Likely Pathogenic
SCN2A	2	166245634	C	G	1773	A	G	0.791	Likely Pathogenic
SCN2A	2	166245634	C	T	1773	A	V	0.99	Likely Pathogenic
SCN2A	2	166245636	G	A	1774	V	I	0.321	Likely Benign
SCN2A	2	166245636	G	C	1774	V	L	0.515	Likely Benign
SCN2A	2	166245636	G	T	1774	V	F	0.98	Likely Pathogenic
SCN2A	2	166245637	T	A	1774	V	D	0.992	Likely Pathogenic
SCN2A	2	166245637	T	C	1774	V	A	0.961	Likely Pathogenic
SCN2A	2	166245637	T	G	1774	V	G	0.991	Likely Pathogenic
SCN2A	2	166245639	A	C	1775	I	L	0.972	Likely Pathogenic
SCN2A	2	166245639	A	G	1775	I	V	0.951	Likely Pathogenic
SCN2A	2	166245639	A	T	1775	I	F	0.995	Likely Pathogenic
SCN2A	2	166245640	T	A	1775	I	N	0.996	Likely Pathogenic
SCN2A	2	166245640	T	C	1775	I	T	0.996	Likely Pathogenic
SCN2A	2	166245640	T	G	1775	I	S	0.995	Likely Pathogenic
SCN2A	2	166245641	C	G	1775	I	M	0.985	Likely Pathogenic
SCN2A	2	166245642	C	A	1776	L	M	0.781	Likely Benign
SCN2A	2	166245642	C	G	1776	L	V	0.923	Likely Pathogenic
SCN2A	2	166245642	C	T	1776	L	Q	0.946	Likely Pathogenic
SCN2A	2	166245643	T	C	1776	L	P	0.965	Likely Pathogenic
SCN2A	2	166245643	T	G	1776	L	R	0.952	Likely Pathogenic
SCN2A	2	166245645	G	A	1777	E	K	0.958	Likely Pathogenic
SCN2A	2	166245645	G	C	1777	E	Q	0.96	Likely Pathogenic
SCN2A	2	166245646	A	C	1777	E	A	0.978	Likely Pathogenic
SCN2A	2	166245646	A	G	1777	E	G	0.981	Likely Pathogenic
SCN2A	2	166245646	A	T	1777	E	V	0.98	Likely Pathogenic
SCN2A	2	166245647	G	C	1777	E	D	0.771	Likely Benign
SCN2A	2	166245647	G	T	1777	E	D	0.774	Likely Benign
SCN2A	2	166245648	A	C	1778	N	H	0.963	Likely Pathogenic
SCN2A	2	166245648	A	G	1778	N	D	0.964	Likely Pathogenic
SCN2A	2	166245648	A	T	1778	N	Y	0.971	Likely Pathogenic
SCN2A	2	166245649	C	A	1778	N	T	0.972	Likely Pathogenic
SCN2A	2	166245649	A	G	1778	N	S	0.966	Likely Pathogenic
SCN2A	2	166245649	A	T	1778	N	I	0.968	Likely Pathogenic
SCN2A	2	166245650	A	C	1778	N	K	0.963	Likely Pathogenic
SCN2A	2	166245650	C	G	1778	N	K	0.964	Likely Pathogenic
SCN2A	2	166245651	T	A	1779	F	I	0.965	Likely Pathogenic
SCN2A	2	166245651	T	C	1779	F	L	0.899	Likely Pathogenic
SCN2A	2	166245651	T	G	1779	F	V	0.964	Likely Pathogenic
SCN2A	2	166245652	T	A	1779	F	Y	0.677	Likely Benign
SCN2A	2	166245652	T	C	1779	F	S	0.979	Likely Pathogenic
SCN2A	2	166245652	T	G	1779	F	C	0.979	Likely Pathogenic
SCN2A	2	166245653	C	A	1779	F	L	0.687	Likely Benign
SCN2A	2	166245653	C	G	1779	F	L	0.691	Likely Benign
SCN2A	2	166245654	A	C	1780	S	R	0.872	Likely Pathogenic
SCN2A	2	166245654	A	G	1780	S	G	0.394	Likely Benign
SCN2A	2	166245654	A	T	1780	S	C	0.851	Likely Pathogenic
SCN2A	2	166245655	G	A	1780	S	N	0.256	Likely Benign
SCN2A	2	166245655	G	C	1780	S	T	0.643	Likely Benign
SCN2A	2	166245655	G	T	1780	S	I	0.785	Likely Pathogenic
SCN2A	2	166245656	T	A	1780	S	R	0.909	Likely Pathogenic
SCN2A	2	166245656	T	G	1780	S	R	0.905	Likely Pathogenic
SCN2A	2	166245657	G	A	1781	V	I	0.704	Likely Benign
SCN2A	2	166245657	G	C	1781	V	L	0.859	Likely Pathogenic
SCN2A	2	166245657	G	T	1781	V	F	0.88	Likely Pathogenic
SCN2A	2	166245658	T	A	1781	V	D	0.914	Likely Pathogenic
SCN2A	2	166245658	T	C	1781	V	A	0.806	Likely Pathogenic
SCN2A	2	166245658	T	G	1781	V	G	0.943	Likely Pathogenic
SCN2A	2	166245660	G	A	1782	A	T	0.937	Likely Pathogenic
SCN2A	2	166245660	G	C	1782	A	P	0.837	Likely Pathogenic
SCN2A	2	166245660	G	T	1782	A	S	0.912	Likely Pathogenic
SCN2A	2	166245661	C	A	1782	A	D	0.929	Likely Pathogenic
SCN2A	2	166245661	C	G	1782	A	G	0.926	Likely Pathogenic
SCN2A	2	166245661	C	T	1782	A	V	0.81	Likely Pathogenic
SCN2A	2	166245663	A	C	1783	T	P	0.965	Likely Pathogenic
SCN2A	2	166245663	A	G	1783	T	A	0.862	Likely Pathogenic
SCN2A	2	166245663	A	T	1783	T	S	0.826	Likely Pathogenic
SCN2A	2	166245664	C	A	1783	T	N	0.907	Likely Pathogenic
SCN2A	2	166245664	C	G	1783	T	S	0.822	Likely Pathogenic
SCN2A	2	166245664	C	T	1783	T	I	0.926	Likely Pathogenic
SCN2A	2	166245666	G	A	1784	E	I	0.571	Likely Benign
SCN2A	2	166245666	G	C	1784	E	Q	0.692	Likely Benign
SCN2A	2	166245667	A	C	1784	E	A	0.957	Likely Pathogenic
SCN2A	2	166245667	A	G	1784	E	G	0.972	Likely Pathogenic
SCN2A	2	166245667	A	T	1784	E	V	0.971	Likely Pathogenic
SCN2A	2	166245668	G	C	1784	E	D	0.856	Likely Pathogenic
SCN2A	2	166245668	G	T	1784	E	D	0.855	Likely Pathogenic
SCN2A	2	166245669	G	A	1785	E	K	0.741	Likely Benign
SCN2A	2	166245669	G	C	1785	E	Q	0.791	Likely Benign
SCN2A	2	166245670	A	C	1785	E	A	0.942	Likely Pathogenic
SCN2A	2	166245670	A	G	1785	E	G	0.977	Likely Pathogenic
SCN2A	2	166245670	A	T	1785	E	V	0.975	Likely Pathogenic
SCN2A	2	166245671	A	C	1785	E	D	0.426	Likely Benign
SCN2A	2	166245671	A	T	1785	E	D	0.429	Likely Benign
SCN2A	2	166245672	A	C	1786	S	R	0.973	Likely Pathogenic
SCN2A	2	166245672	A	G	1786	S	G	0.91	Likely Pathogenic
SCN2A	2	166245672	A	T	1786	S	C	0.974	Likely Pathogenic
SCN2A	2	166245673	G	A	1786	S	N	0.896	Likely Pathogenic
SCN2A	2	166245673	G	C	1786	S	T	0.888	Likely Pathogenic
SCN2A	2	166245673	G	T	1786	S	I	0.922	Likely Pathogenic
SCN2A	2	166245674	T	A	1786	S	R	0.968	Likely Pathogenic
SCN2A	2	166245674	T	G	1786	S	R	0.968	Likely Pathogenic
SCN2A	2	166245675	G	A	1787	A	T	0.156	Likely Benign
SCN2A	2	166245675	G	C	1787	A	P	0.473	Likely Benign
SCN2A	2	166245675	G	T	1787	A	S	0.166	Likely Benign
SCN2A	2	166245676	C	A	1787	A	E	0.261	Likely Benign
SCN2A	2	166245676	C	G	1787	A	G	0.204	Likely Benign
SCN2A	2	166245676	C	T	1787	A	V	0.605	Likely Benign
SCN2A	2	166245678	G	A	1788	E	K	0.626	Likely Benign
SCN2A	2	166245678	G	C	1788	E	Q	0.666	Likely Benign
SCN2A	2	166245679	A	C	1788	E	A	0.853	Likely Pathogenic
SCN2A	2	166245679	A	G	1788	E	G	0.856	Likely Pathogenic
SCN2A	2	166245679	A	T	1788	E	V	0.843	Likely Pathogenic
SCN2A	2	166245680	G	C	1788	E	D	0.186	Likely Benign
SCN2A	2	166245680	G	T	1788	E	D	0.186	Likely Benign
SCN2A	2

GENE	CHR	DNA_LOC	REF_N T	ALT_N NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166848390	G	C	1799	P	A	0.955	Likely Pathoenic
SCN1A	2	166848390	G	T	1799	P	T	0.927	Likely Pathoenic
SCN1A	2	166848389	G	A	1799	P	L	0.955	Likely Pathoenic
SCN1A	2	166848389	G	C	1799	P	R	0.973	Likely Pathoenic
SCN1A	2	166848389	G	T	1799	P	H	0.973	Likely Pathoenic
SCN1A	2	166848387	G	C	1800	L	V	0.856	Likely Pathoenic
SCN1A	2	166848387	G	T	1800	L	M	0.966	Likely Pathoenic
SCN1A	2	166848386	A	C	1800	L	R	0.982	Likely Pathoenic
SCN1A	2	166848386	A	G	1800	L	P	0.983	Likely Pathoenic
SCN1A	2	166848386	A	T	1800	L	Q	0.982	Likely Pathoenic
SCN1A	2	166848384	T	A	1801	S	C	0.747	Likely Benign
SCN1A	2	166848384	T	C	1801	S	G	0.202	Likely Benign
SCN1A	2	166848384	T	G	1801	S	R	0.946	Likely Pathoenic
SCN1A	2	166848383	C	A	1801	S	I	0.962	Likely Pathoenic
SCN1A	2	166848383	C	G	1801	S	T	0.580	Likely Benign
SCN1A	2	166848383	C	T	1801	S	N	0.959	Likely Pathoenic
SCN1A	2	166848382	A	C	1801	S	R	0.926	Likely Pathoenic
SCN1A	2	166848382	A	T	1801	S	R	0.926	Likely Pathoenic
SCN1A	2	166848381	C	G	1802	E	Q	0.964	Likely Pathoenic
SCN1A	2	166848381	C	T	1802	E	K	0.971	Likely Pathoenic
SCN1A	2	166848380	T	A	1802	E	V	0.976	Likely Pathoenic
SCN1A	2	166848380	T	C	1802	E	G	0.967	Likely Pathoenic
SCN1A	2	166848380	T	G	1802	E	A	0.945	Likely Pathoenic
SCN1A	2	166848379	C	A	1802	E	D	0.382	Likely Benign
SCN1A	2	166848379	C	G	1802	E	D	0.379	Likely Benign
SCN1A	2	166848378	C	A	1803	D	Y	0.980	Likely Pathoenic
SCN1A	2	166848378	C	G	1803	D	H	0.978	Likely Pathoenic
SCN1A	2	166848378	C	T	1803	D	N	0.978	Likely Pathoenic
SCN1A	2	166848377	T	A	1803	D	V	0.981	Likely Pathoenic
SCN1A	2	166848377	T	C	1803	D	G	0.972	Likely Pathoenic
SCN1A	2	166848377	T	G	1803	D	A	0.963	Likely Pathoenic
SCN1A	2	166848376	A	C	1803	D	E	0.681	Likely Benign
SCN1A	2	166848376	A	T	1803	D	E	0.685	Likely Benign
SCN1A	2	166848375	C	A	1804	D	Y	0.983	Likely Pathoenic
SCN1A	2	166848375	C	G	1804	D	H	0.974	Likely Pathoenic
SCN1A	2	166848375	C	T	1804	D	N	0.982	Likely Pathoenic
SCN1A	2	166848374	A	C	1804	D	V	0.984	Likely Pathoenic
SCN1A	2	166848374	T	C	1804	D	G	0.983	Likely Pathoenic
SCN1A	2	166848374	T	G	1804	D	A	0.982	Likely Pathoenic
SCN1A	2	166848373	C	T	1804	D	E	0.965	Likely Pathoenic
SCN1A	2	166848373	G	T	1804	D	E	0.966	Likely Pathoenic
SCN1A	2	166848372	A	C	1805	F	V	0.940	Likely Pathoenic
SCN1A	2	166848372	A	G	1805	F	L	0.841	Likely Pathoenic
SCN1A	2	166848372	A	T	1805	F	I	0.894	Likely Pathoenic
SCN1A	2	166848371	A	C	1805	F	C	0.978	Likely Pathoenic
SCN1A	2	166848371	A	G	1805	F	S	0.978	Likely Pathoenic
SCN1A	2	166848371	A	T	1805	F	Y	0.695	Likely Benign
SCN1A	2	166848370	A	C	1805	F	L	0.620	Likely Benign
SCN1A	2	166848370	A	T	1805	F	L	0.629	Likely Benign
SCN1A	2	166848369	C	G	1806	E	Q	0.941	Likely Pathoenic
SCN1A	2	166848369	C	T	1806	E	K	0.961	Likely Pathoenic
SCN1A	2	166848368	T	A	1806	E	V	0.946	Likely Pathoenic
SCN1A	2	166848368	T	C	1806	E	G	0.961	Likely Pathoenic
SCN1A	2	166848368	T	G	1806	E	A	0.961	Likely Pathoenic
SCN1A	2	166848367	C	A	1806	E	D	0.193	Likely Benign
SCN1A	2	166848367	C	G	1806	E	D	0.193	Likely Benign
SCN1A	2	166848366	T	A	1807	M	L	0.783	Likely Pathoenic
SCN1A	2	166848366	T	C	1807	M	V	0.853	Likely Pathoenic
SCN1A	2	166848366	T	G	1807	M	L	0.782	Likely Benign
SCN1A	2	166848365	A	C	1807	M	R	0.344	Likely Benign
SCN1A	2	166848365	A	G	1807	M	T	0.450	Likely Benign
SCN1A	2	166848365	A	T	1807	M	K	0.743	Likely Benign
SCN1A	2	166848364	C	A	1807	M	I	0.607	Likely Benign
SCN1A	2	166848364	C	G	1807	M	I	0.589	Likely Benign
SCN1A	2	166848364	C	T	1807	M	I	0.594	Likely Benign
SCN1A	2	166848363	A	C	1808	F	V	0.985	Likely Pathoenic
SCN1A	2	166848363	A	G	1808	F	L	0.981	Likely Pathoenic
SCN1A	2	166848363	A	T	1808	F	I	0.983	Likely Pathoenic
SCN1A	2	166848362	A	C	1808	F	C	0.985	Likely Pathoenic
SCN1A	2	166848362	A	G	1808	F	S	0.985	Likely Pathoenic
SCN1A	2	166848362	A	T	1808	F	Y	0.809	Likely Pathoenic
SCN1A	2	166848361	G	C	1808	F	L	0.965	Likely Pathoenic
SCN1A	2	166848361	G	T	1808	F	L	0.965	Likely Pathoenic
SCN1A	2	166848360	A	C	1809	Y	D	0.959	Likely Pathoenic
SCN1A	2	166848360	A	G	1809	Y	H	0.978	Likely Pathoenic
SCN1A	2	166848360	A	T	1809	Y	N	0.967	Likely Pathoenic
SCN1A	2	166848359	T	A	1809	Y	F	0.880	Likely Pathoenic
SCN1A	2	166848359	T	C	1809	Y	C	0.968	Likely Pathoenic
SCN1A	2	166848359	T	G	1809	Y	S	0.978	Likely Pathoenic
SCN1A	2	166848357	C	G	1810	E	Q	0.942	Likely Pathoenic
SCN1A	2	166848357	C	T	1810	E	K	0.959	Likely Pathoenic
SCN1A	2	166848356	A	C	1810	E	V	0.967	Likely Pathoenic
SCN1A	2	166848356	T	C	1810	E	G	0.978	Likely Pathoenic
SCN1A	2	166848356	T	G	1810	E	A	0.965	Likely Pathoenic
SCN1A	2	166848355	A	C	1810	E	D	0.932	Likely Pathoenic
SCN1A	2	166848355	C	G	1810	E	D	0.930	Likely Pathoenic
SCN1A	2	166848354	C	A	1811	V	F	0.968	Likely Pathoenic
SCN1A	2	166848354	C	G	1811	V	L	0.914	Likely Pathoenic
SCN1A	2	166848354	C	T	1811	V	I	0.334	Likely Benign
SCN1A	2	166848353	A	C	1811	V	G	0.967	Likely Pathoenic
SCN1A	2	166848353	A	G	1811	V	A	0.914	Likely Pathoenic
SCN1A	2	166848353	A	T	1811	V	D	0.968	Likely Pathoenic
SCN1A	2	166848351	A	C	1812	W	G	0.994	Likely Pathoenic
SCN1A	2	166848351	A	G	1812	W	R	0.994	Likely Pathoenic
SCN1A	2	166848351	A	T	1812	W	R	0.994	Likely Pathoenic
SCN1A	2	166848350	C	A	1812	W	L	0.995	Likely Pathoenic
SCN1A	2	166848350	C	G	1812	W	S	0.995	Likely Pathoenic
SCN1A	2	166848349	A	C	1812	W	C	0.995	Likely Pathoenic
SCN1A	2	166848349	C	G	1812	W	C	0.995	Likely Pathoenic
SCN1A	2	166848348	C	G	1813	E	Q	0.841	Likely Pathoenic
SCN1A	2	166848348	C	T	1813	E	K	0.943	Likely Pathoenic
SCN1A	2	166848347	T	A	1813	E	V	0.975	Likely Pathoenic
SCN1A	2	166848347	T	C	1813	E	G	0.955	Likely Pathoenic
SCN1A	2	166848347	T	G	1813	E	A	0.933	Likely Pathoenic
SCN1A	2	166848346	C	A	1813	E	D	0.953	Likely Pathoenic
SCN1A	2	166848346	C	G	1813	E	D	0.952	Likely Pathoenic
SCN1A	2	166848345	T	A	1814	K	E	0.869	Likely Pathoenic
SCN1A	2	166848345	T	G	1814	K	Q	0.678	Likely Benign
SCN1A	2	166848344	T	A	1814	K	M	0.937	Likely Pathoenic
SCN1A	2	166848344	T	C	1814	K	R	0.315	Likely Benign
SCN1A	2	166848344	T	G	1814	K	T	0.863	Likely Pathoenic
SCN1A	2	166848343	C	A	1814	K	N	0.891	Likely Pathoenic
SCN1A	2	166848343	C	G	1814	K	N	0.885	Likely Pathoenic
SCN1A	2	166848343	A	C	1815	F	V	0.969	Likely Pathoenic
SCN1A	2	166848342	A	G	1815	F	L	0.961	Likely Pathoenic
SCN1A	2	166848342	A	T	1815	F	I	0.977	Likely Pathoenic
SCN1A	2	166848341	A	C	1815	F	C	0.981	Likely Pathoenic
SCN1A	2	166848341	A	G	1815	F	S	0.981	Likely Pathoenic
SCN1A	2	166848341	A	T	1815	F	Y	0.752	Likely Benign
SCN1A	2	166848340	A	C	1815	F	L	0.922	Likely Pathoenic
SCN1A	2	166848340	A	T	1815	F	L	0.923	Likely Pathoenic
SCN1A	2	166848339	C	A	1816	D	Y	0.992	Likely Pathoenic
SCN1A	2	166848339	C	G	1816	D	H	0.992	Likely Pathoenic
SCN1A	2	166848339	C	T	1816	D	N	0.992	Likely Pathoenic
SCN1A	2	166848338	T	A	1816	D	V	0.991	Likely Pathoenic
SCN1A	2	166848338	T	C	1816	D	G	0.991	Likely Pathoenic
SCN1A	2	166848338	T	G	1816	D	A	0.991	Likely Pathoenic
SCN1A	2	166848337	A	C	1816	D	E	0.992	Likely Pathoenic
SCN1A	2	166848337	A	T	1816	D	E	0.992	Likely Pathoenic
SCN1A	2	166848336	G	A	1817	P	S	0.960	Likely Pathoenic
SCN1A	2	166848336	G	C	1817	P	A	0.980	Likely Pathoenic
SCN1A	2	166848336	G	T	1817	P	T	0.970	Likely Pathoenic
SCN1A	2	166848335	G	A	1817	P	L	0.981	Likely Pathoenic
SCN1A	2	166848335	G	C	1817	P	R	0.976	Likely Pathoenic
SCN1A	2	166848335	G	T	1817	P	H	0.982	Likely Pathoenic
SCN1A	2	166848333	C	A	1818	D	Y	0.748	Likely Benign
SCN1A	2	166848333	C	G	1818	D	H	0.374	Likely Benign
SCN1A	2	166848333	C	T	1818	D	N	0.302	Likely Benign
SCN1A	2	166848332	T	A	1818	D	V	0.886	Likely Pathoenic
SCN1A	2	166848332	T	C	1818	D	G	0.796	Likely Pathoenic
SCN1A	2	166848332	T	G	1818	D	A	0.793	Likely Pathoenic
SCN1A	2	166848331	A	C	1818	D	E	0.203	Likely Benign
SCN1A	2	166848331	A	T	1818	D	E	0.203	Likely Benign
SCN1A	2	166848330	C	A	1819	A	S	0.975	Likely Pathoenic
SCN1A	2	166848330	C	G	1819	A	P	0.977	Likely Pathoenic
SCN1A	2	166848330	C	T	1819	A	T	0.975	Likely Pathoenic
SCN1A	2	166848329	G	A	1819	A	V	0.972	Likely Pathoenic
SCN1A	2	166848329	G	C	1819	A	G	0.773	Likely Benign
SCN1A	2	166848329	G	T	1819	A	E	0.977	Likely Pathoenic
SCN1A	2	166848327	T	A	1820	T	S	0.619	Likely Benign
SCN1A	2	166848327	T	C	1820	T	A	0.966	Likely Pathoenic
SCN1A	2	166848327	T	G	1820	T	P	0.972	Likely Pathoenic
SCN1A	2	166848326	G	A	1820	T	I	0.967	Likely Pathoenic
SCN1A	2	166848326	G	C	1820	T	S	0.650	Likely Benign
SCN1A	2	166848326	G	T	1820	T	N	0.956	Likely Pathoenic
SCN1A	2	166848324	G	C	1821	Q	E	0.968	Likely Pathoenic
SCN1A	2	166848324	G	T	1821	Q	K	0.956	Likely Pathoenic
SCN1A	2	166848323	T	A	1821	Q	L	0.980	Likely Pathoenic
SCN1A	2	166848323	T	C	1821	Q	R	0.949	Likely Pathoenic
SCN1A	2	166848323	T	G	1821	Q	P	0.981	Likely Pathoenic
SCN1A	2	166848322	C	A	1821	Q	H	0.951	Likely Pathoenic
SCN1A	2	166848322	C	G	1821	Q	H	0.952	Likely Pathoenic
SCN1A	2	166848321	A	C	1822	F	V	0.979	Likely Pathoenic
SCN1A	2	166848321	A	G	1822	F	L	0.944	Likely Pathoenic
SCN1A	2	166848321	A	T	1822	F	I	0.977	Likely Pathoenic
SCN1A	2	166848320	A	C	1822	F	C	0.980	Likely Pathoenic
SCN1A	2	166848320	A	G	1822	F	S	0.978	Likely Pathoenic
SCN1A	2	166848320	A	T	1822	F	Y	0.660	Likely Benign
SCN1A	2	166848319	G	C	1822	F	L	0.949	Likely Pathoenic
SCN1A	2	166848319	G	T	1822	F	L	0.950	Likely Pathoenic
SCN1A	2	166848318	T	A	1823	M	L	0.145	Likely Benign
SCN1A	2	166848318	T	C	1823	M	V	0.103	Likely Benign
SCN1A	2	166848318	T	G	1823	M	L	0.145	Likely Benign
SCN1A	2	166848317	A	C	1823	M	R	0.576	Likely Benign
SCN1A	2	166848317	A	G	1823	M	T	0.425	Likely Benign
SCN1A	2	166848317	A	T	1823	M	K	0.555	Likely Benign
SCN1A	2	166848316	C	A	1823	M	I	0.017	Likely Benign
SCN1A	2	166848316	C	G	1823	M	I	0.017	Likely Benign
SCN1A	2	166848316	C	T	1823	M	I	0.017	Likely Benign
SCN1A	2	166848315	C	G	1824	E	Q	0.535	Likely Benign
SCN1A	2	166848315	C	T	1824	E	K	0.621	Likely Benign
SCN1A	2	166848314	T	A	1824	E	V	0.931	Likely Pathoenic
SCN1A	2	166848314	T	C	1824	E	G	0.900	Likely Pathoenic
SCN1A	2	166848314	T	G	1824	E	A	0.419	Likely Benign
SCN1A	2	166848313	T	A	1824	E	D	0.316	Likely Benign
SCN1A	2	166848313	T	G	1824	E	D	0.318	Likely Benign
SCN1A	2	166848312	A	C	1825	F	V	0.728	Likely Benign

GENE	CHR	DNA_LOC	REF_ALT_ NT	NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166245696	G	C	1794	D	H	0.874	Likely Pathogenic
SCN2A	2	166245696	G	T	1794	D	Y	0.940	Likely Pathogenic
SCN2A	2	166245697	A	C	1794	D	A	0.982	Likely Pathogenic
SCN2A	2	166245697	A	G	1794	D	G	0.98	Likely Pathogenic
SCN2A	2	166245697	A	T	1794	D	V	0.98	Likely Pathogenic
SCN2A	2	166245698	C	A	1794	D	E	0.938	Likely Pathogenic
SCN2A	2	166245698	C	G	1794	D	E	0.937	Likely Pathogenic
SCN2A	2	166245699	T	A	1795	F	I	0.905	Likely Pathogenic
SCN2A	2	166245699	T	C	1795	F	L	0.877	Likely Pathogenic
SCN2A	2	166245699	T	G	1795	F	V	0.934	Likely Pathogenic
SCN2A	2	166245700	T	A	1795	F	Y	0.811	Likely Pathogenic
SCN2A	2	166245700	T	C	1795	F	S	0.976	Likely Pathogenic
SCN2A	2	166245700	T	G	1795	F	C	0.977	Likely Pathogenic
SCN2A	2	166245701	T	A	1795	F	L	0.85	Likely Pathogenic
SCN2A	2	166245701	T	G	1795	F	L	0.848	Likely Pathogenic
SCN2A	2	166245702	G	A	1796	E	K	0.93	Likely Pathogenic
SCN2A	2	166245702	G	C	1796	E	Q	0.894	Likely Pathogenic
SCN2A	2	166245703	A	C	1796	E	A	0.964	Likely Pathogenic
SCN2A	2	166245703	A	G	1796	E	G	0.972	Likely Pathogenic
SCN2A	2	166245703	A	T	1796	E	V	0.941	Likely Pathogenic
SCN2A	2	166245704	G	C	1796	E	D	0.273	Likely Benign
SCN2A	2	166245704	G	T	1796	E	D	0.274	Likely Benign
SCN2A	2	166245705	A	C	1797	M	L	0.565	Likely Benign
SCN2A	2	166245705	A	G	1797	M	V	0.714	Likely Benign
SCN2A	2	166245705	A	T	1797	M	L	0.565	Likely Benign
SCN2A	2	166245706	T	A	1797	M	K	0.615	Likely Benign
SCN2A	2	166245706	T	C	1797	M	T	0.382	Likely Benign
SCN2A	2	166245706	T	G	1797	M	R	0.47	Likely Benign
SCN2A	2	166245707	G	A	1797	M	I	0.371	Likely Benign
SCN2A	2	166245707	G	C	1797	M	I	0.368	Likely Benign
SCN2A	2	166245707	G	T	1797	M	I	0.371	Likely Benign
SCN2A	2	166245708	T	A	1798	F	I	0.98	Likely Pathogenic
SCN2A	2	166245708	T	C	1798	F	L	0.98	Likely Pathogenic
SCN2A	2	166245708	T	G	1798	F	V	0.982	Likely Pathogenic
SCN2A	2	166245709	T	A	1798	F	Y	0.888	Likely Pathogenic
SCN2A	2	166245709	T	C	1798	F	S	0.983	Likely Pathogenic
SCN2A	2	166245709	T	G	1798	F	C	0.983	Likely Pathogenic
SCN2A	2	166245710	C	A	1798	F	L	0.965	Likely Pathogenic
SCN2A	2	166245710	C	G	1798	F	L	0.966	Likely Pathogenic
SCN2A	2	166245711	T	A	1799	Y	N	0.955	Likely Pathogenic
SCN2A	2	166245711	T	C	1799	Y	H	0.976	Likely Pathogenic
SCN2A	2	166245711	T	G	1799	Y	D	0.932	Likely Pathogenic
SCN2A	2	166245712	A	C	1799	Y	S	0.963	Likely Pathogenic
SCN2A	2	166245712	A	G	1799	Y	C	0.957	Likely Pathogenic
SCN2A	2	166245712	A	T	1799	Y	F	0.824	Likely Pathogenic
SCN2A	2	166245714	G	A	1800	E	K	0.892	Likely Pathogenic
SCN2A	2	166245714	G	C	1800	E	Q	0.831	Likely Pathogenic
SCN2A	2	166245715	A	C	1800	E	A	0.96	Likely Pathogenic
SCN2A	2	166245715	A	G	1800	E	G	0.964	Likely Pathogenic
SCN2A	2	166245715	A	T	1800	E	V	0.961	Likely Pathogenic
SCN2A	2	166245716	G	C	1800	E	D	0.887	Likely Pathogenic
SCN2A	2	166245716	G	T	1800	E	D	0.887	Likely Pathogenic
SCN2A	2	166245717	G	A	1801	V	I	0.19	Likely Benign
SCN2A	2	166245717	G	C	1801	V	L	0.557	Likely Benign
SCN2A	2	166245717	G	T	1801	V	F	0.749	Likely Benign
SCN2A	2	166245718	T	A	1801	V	D	0.909	Likely Pathogenic
SCN2A	2	166245718	T	C	1801	V	A	0.648	Likely Benign
SCN2A	2	166245718	T	G	1801	V	G	0.899	Likely Pathogenic
SCN2A	2	166245720	T	A	1802	W	R	0.993	Likely Pathogenic
SCN2A	2	166245720	T	C	1802	W	R	0.993	Likely Pathogenic
SCN2A	2	166245720	T	G	1802	W	G	0.993	Likely Pathogenic
SCN2A	2	166245721	G	C	1802	W	S	0.993	Likely Pathogenic
SCN2A	2	166245721	G	T	1802	W	L	0.993	Likely Pathogenic
SCN2A	2	166245722	G	C	1802	W	C	0.993	Likely Pathogenic
SCN2A	2	166245722	G	T	1802	W	C	0.993	Likely Pathogenic
SCN2A	2	166245723	G	A	1803	E	K	0.916	Likely Pathogenic
SCN2A	2	166245723	G	C	1803	E	Q	0.628	Likely Benign
SCN2A	2	166245724	A	C	1803	E	A	0.916	Likely Pathogenic
SCN2A	2	166245724	A	G	1803	E	G	0.951	Likely Pathogenic
SCN2A	2	166245724	A	T	1803	E	V	0.971	Likely Pathogenic
SCN2A	2	166245725	G	C	1803	E	D	0.946	Likely Pathogenic
SCN2A	2	166245725	G	T	1803	E	D	0.946	Likely Pathogenic
SCN2A	2	166245726	A	C	1804	K	Q	0.395	Likely Benign
SCN2A	2	166245726	A	G	1804	K	E	0.674	Likely Benign
SCN2A	2	166245727	A	C	1804	K	T	0.91	Likely Pathogenic
SCN2A	2	166245727	A	G	1804	K	R	0.238	Likely Benign
SCN2A	2	166245727	A	T	1804	K	M	0.941	Likely Pathogenic
SCN2A	2	166245728	G	C	1804	K	N	0.755	Likely Benign
SCN2A	2	166245728	G	T	1804	K	N	0.757	Likely Benign
SCN2A	2	166245729	T	A	1805	F	I	0.972	Likely Pathogenic
SCN2A	2	166245729	T	C	1805	F	L	0.952	Likely Pathogenic
SCN2A	2	166245729	T	G	1805	F	V	0.961	Likely Pathogenic
SCN2A	2	166245730	T	A	1805	F	V	0.754	Likely Benign
SCN2A	2	166245730	T	C	1805	F	S	0.968	Likely Pathogenic
SCN2A	2	166245730	T	G	1805	F	C	0.97	Likely Pathogenic
SCN2A	2	166245731	T	A	1805	F	L	0.922	Likely Pathogenic
SCN2A	2	166245731	T	G	1805	F	L	0.923	Likely Pathogenic
SCN2A	2	166245732	G	A	1806	D	N	0.985	Likely Pathogenic
SCN2A	2	166245732	G	C	1806	D	H	0.986	Likely Pathogenic
SCN2A	2	166245732	G	T	1806	D	Y	0.983	Likely Pathogenic
SCN2A	2	166245733	A	C	1806	D	A	0.988	Likely Pathogenic
SCN2A	2	166245733	A	G	1806	D	G	0.989	Likely Pathogenic
SCN2A	2	166245733	A	T	1806	D	V	0.989	Likely Pathogenic
SCN2A	2	166245734	A	C	1806	D	E	0.991	Likely Pathogenic
SCN2A	2	166245734	T	G	1806	D	E	0.991	Likely Pathogenic
SCN2A	2	166245735	C	A	1807	P	T	0.901	Likely Pathogenic
SCN2A	2	166245735	C	G	1807	P	A	0.93	Likely Pathogenic
SCN2A	2	166245735	C	T	1807	P	S	0.822	Likely Pathogenic
SCN2A	2	166245736	C	A	1807	P	H	0.965	Likely Pathogenic
SCN2A	2	166245736	C	G	1807	P	R	0.942	Likely Pathogenic
SCN2A	2	166245736	C	T	1807	P	L	0.95	Likely Pathogenic
SCN2A	2	166245738	G	A	1808	D	N	0.187	Likely Benign
SCN2A	2	166245738	G	C	1808	D	H	0.244	Likely Benign
SCN2A	2	166245738	G	T	1808	D	Y	0.356	Likely Benign
SCN2A	2	166245739	A	C	1808	D	A	0.616	Likely Benign
SCN2A	2	166245739	A	G	1808	D	G	0.537	Likely Benign
SCN2A	2	166245739	A	T	1808	D	V	0.67	Likely Benign
SCN2A	2	166245740	T	A	1808	D	E	0.162	Likely Benign
SCN2A	2	166245740	T	G	1808	D	E	0.162	Likely Benign
SCN2A	2	166245741	G	A	1809	A	T	0.952	Likely Pathogenic
SCN2A	2	166245741	G	C	1809	A	P	0.947	Likely Pathogenic
SCN2A	2	166245741	G	T	1809	A	S	0.955	Likely Pathogenic
SCN2A	2	166245742	C	A	1809	A	E	0.941	Likely Pathogenic
SCN2A	2	166245742	C	G	1809	A	G	0.474	Likely Benign
SCN2A	2	166245742	C	T	1809	A	V	0.924	Likely Pathogenic
SCN2A	2	166245744	A	C	1810	T	P	0.933	Likely Pathogenic
SCN2A	2	166245744	A	G	1810	T	A	0.832	Likely Pathogenic
SCN2A	2	166245744	A	T	1810	T	S	0.258	Likely Benign
SCN2A	2	166245745	C	A	1810	T	N	0.778	Likely Benign
SCN2A	2	166245745	C	G	1810	T	S	0.253	Likely Benign
SCN2A	2	166245745	C	T	1810	T	I	0.887	Likely Pathogenic
SCN2A	2	166245747	C	A	1811	Q	K	0.937	Likely Pathogenic
SCN2A	2	166245747	C	G	1811	Q	E	0.954	Likely Pathogenic
SCN2A	2	166245748	A	C	1811	Q	P	0.978	Likely Pathogenic
SCN2A	2	166245748	A	G	1811	Q	R	0.883	Likely Pathogenic
SCN2A	2	166245748	A	T	1811	Q	L	0.976	Likely Pathogenic
SCN2A	2	166245749	G	C	1811	Q	H	0.891	Likely Pathogenic
SCN2A	2	166245749	G	T	1811	Q	H	0.891	Likely Pathogenic
SCN2A	2	166245750	A	C	1812	F	L	0.968	Likely Pathogenic
SCN2A	2	166245750	T	C	1812	F	L	0.93	Likely Pathogenic
SCN2A	2	166245750	T	G	1812	F	V	0.974	Likely Pathogenic
SCN2A	2	166245751	T	A	1812	F	Y	0.655	Likely Benign
SCN2A	2	166245751	T	C	1812	F	S	0.974	Likely Pathogenic
SCN2A	2	166245751	T	G	1812	F	C	0.975	Likely Pathogenic
SCN2A	2	166245752	T	A	1812	F	L	0.94	Likely Pathogenic
SCN2A	2	166245752	T	G	1812	F	L	0.94	Likely Pathogenic
SCN2A	2	166245753	A	C	1813	I	L	0.662	Likely Benign
SCN2A	2	166245753	A	G	1813	I	V	0.497	Likely Benign
SCN2A	2	166245753	A	T	1813	I	L	0.665	Likely Benign
SCN2A	2	166245754	T	A	1813	I	K	0.963	Likely Pathogenic
SCN2A	2	166245754	T	C	1813	I	T	0.923	Likely Pathogenic
SCN2A	2	166245754	T	G	1813	I	R	0.958	Likely Pathogenic
SCN2A	2	166245755	A	G	1813	I	M	0.663	Likely Benign
SCN2A	2	166245756	G	A	1814	E	K	0.213	Likely Benign
SCN2A	2	166245756	G	C	1814	E	Q	0.181	Likely Benign
SCN2A	2	166245757	A	C	1814	E	A	0.307	Likely Benign
SCN2A	2	166245757	A	G	1814	E	G	0.672	Likely Benign
SCN2A	2	166245757	A	T	1814	E	V	0.731	Likely Benign
SCN2A	2	166245758	C	A	1814	E	D	0.208	Likely Benign
SCN2A	2	166245758	C	T	1814	E	D	0.208	Likely Benign
SCN2A	2	166245759	T	A	1815	F	I	0.744	Likely Benign
SCN2A	2	166245759	T	C	1815	F	L	0.406	Likely Benign
SCN2A	2	166245759	T	G	1815	F	V	0.48	Likely Benign
SCN2A	2	166245760	T	A	1815	F	Y	0.109	Likely Benign
SCN2A	2	166245760

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166848312	A	G	1825	F	L	0.527	Likely Benign
SCN1A	2	166848312	A	T	1825	F	I	0.848	Likely Pathogenic
SCN1A	2	166848311	A	C	1825	F	C	0.818	Likely Pathogenic
SCN1A	2	166848311	A	G	1825	F	S	0.735	Likely Benign
SCN1A	2	166848311	A	T	1825	F	Y	0.058	Likely Benign
SCN1A	2	166848310	A	C	1825	F	L	0.453	Likely Benign
SCN1A	2	166848310	A	T	1825	F	L	0.457	Likely Benign
SCN1A	2	166848309	C	G	1826	E	Q	0.167	Likely Benign
SCN1A	2	166848309	C	T	1826	E	K	0.136	Likely Benign
SCN1A	2	166848308	T	A	1826	E	V	0.214	Likely Benign
SCN1A	2	166848308	T	C	1826	E	G	0.151	Likely Benign
SCN1A	2	166848308	T	G	1826	E	A	0.153	Likely Benign
SCN1A	2	166848307	T	A	1826	E	D	0.103	Likely Benign
SCN1A	2	166848307	T	G	1826	E	D	0.103	Likely Benign
SCN1A	2	166848306	T	C	1827	K	E	0.582	Likely Benign
SCN1A	2	166848306	T	G	1827	K	Q	0.339	Likely Benign
SCN1A	2	166848305	T	A	1827	K	I	0.878	Likely Pathogenic
SCN1A	2	166848305	T	C	1827	K	R	0.395	Likely Benign
SCN1A	2	166848305	T	G	1827	K	T	0.783	Likely Benign
SCN1A	2	166848304	T	A	1827	K	N	0.301	Likely Benign
SCN1A	2	166848304	T	G	1827	K	N	0.296	Likely Benign
SCN1A	2	166848303	A	C	1828	L	V	0.962	Likely Pathogenic
SCN1A	2	166848303	A	T	1828	L	I	0.977	Likely Pathogenic
SCN1A	2	166848302	A	G	1828	L	S	0.983	Likely Pathogenic
SCN1A	2	166848301	T	A	1828	L	F	0.967	Likely Pathogenic
SCN1A	2	166848301	T	G	1828	L	F	0.966	Likely Pathogenic
SCN1A	2	166848300	A	C	1829	S	A	0.748	Likely Benign
SCN1A	2	166848300	A	G	1829	S	P	0.829	Likely Pathogenic
SCN1A	2	166848300	A	T	1829	S	T	0.580	Likely Benign
SCN1A	2	166848299	G	A	1829	S	F	0.930	Likely Pathogenic
SCN1A	2	166848299	G	C	1829	S	C	0.965	Likely Pathogenic
SCN1A	2	166848299	G	T	1829	S	Y	0.955	Likely Pathogenic
SCN1A	2	166848297	G	C	1830	Q	E	0.050	Likely Benign
SCN1A	2	166848297	G	T	1830	Q	K	0.151	Likely Benign
SCN1A	2	166848296	T	A	1830	Q	L	0.193	Likely Benign
SCN1A	2	166848296	T	C	1830	Q	R	0.161	Likely Benign
SCN1A	2	166848296	T	G	1830	Q	P	0.167	Likely Benign
SCN1A	2	166848295	C	A	1830	Q	H	0.256	Likely Benign
SCN1A	2	166848295	C	G	1830	Q	H	0.259	Likely Benign
SCN1A	2	166848294	A	C	1831	F	V	0.983	Likely Pathogenic
SCN1A	2	166848294	A	G	1831	F	L	0.832	Likely Pathogenic
SCN1A	2	166848294	A	T	1831	F	I	0.973	Likely Pathogenic
SCN1A	2	166848293	A	C	1831	F	C	0.984	Likely Pathogenic
SCN1A	2	166848293	A	G	1831	F	S	0.976	Likely Pathogenic
SCN1A	2	166848293	A	T	1831	F	Y	0.980	Likely Pathogenic
SCN1A	2	166848292	A	C	1831	F	L	0.793	Likely Pathogenic
SCN1A	2	166848292	A	T	1831	F	L	0.792	Likely Pathogenic
SCN1A	2	166848291	C	A	1832	A	S	0.961	Likely Pathogenic
SCN1A	2	166848291	C	G	1832	A	P	0.971	Likely Pathogenic
SCN1A	2	166848291	C	T	1832	A	T	0.971	Likely Pathogenic
SCN1A	2	166848290	G	A	1832	A	V	0.818	Likely Pathogenic
SCN1A	2	166848290	G	C	1832	A	G	0.969	Likely Pathogenic
SCN1A	2	166848290	G	T	1832	A	E	0.970	Likely Pathogenic
SCN1A	2	166848288	C	A	1833	A	S	0.797	Likely Pathogenic
SCN1A	2	166848288	C	G	1833	A	P	0.855	Likely Pathogenic
SCN1A	2	166848288	C	T	1833	A	T	0.766	Likely Benign
SCN1A	2	166848287	G	A	1833	A	V	0.671	Likely Benign
SCN1A	2	166848287	G	C	1833	A	G	0.503	Likely Benign
SCN1A	2	166848287	G	T	1833	A	D	0.073	Likely Benign
SCN1A	2	166848285	C	A	1834	A	S	0.203	Likely Benign
SCN1A	2	166848285	C	G	1834	A	P	0.925	Likely Pathogenic
SCN1A	2	166848285	C	T	1834	A	T	0.301	Likely Benign
SCN1A	2	166848284	A	C	1834	A	V	0.539	Likely Benign
SCN1A	2	166848284	G	C	1834	A	G	0.797	Likely Pathogenic
SCN1A	2	166848284	G	T	1834	A	E	0.799	Likely Pathogenic
SCN1A	2	166848282	G	A	1835	L	F	0.986	Likely Pathogenic
SCN1A	2	166848282	G	C	1835	L	V	0.986	Likely Pathogenic
SCN1A	2	166848282	G	T	1835	L	I	0.962	Likely Pathogenic
SCN1A	2	166848281	A	C	1835	L	R	0.988	Likely Pathogenic
SCN1A	2	166848281	A	G	1835	L	P	0.988	Likely Pathogenic
SCN1A	2	166848281	A	T	1835	L	H	0.987	Likely Pathogenic
SCN1A	2	166848279	C	G	1836	E	Q	0.219	Likely Benign
SCN1A	2	166848279	C	T	1836	E	K	0.277	Likely Benign
SCN1A	2	166848278	T	A	1836	E	V	0.771	Likely Benign
SCN1A	2	166848278	T	C	1836	E	G	0.492	Likely Benign
SCN1A	2	166848278	T	G	1836	E	A	0.330	Likely Benign
SCN1A	2	166848277	T	A	1836	E	D	0.089	Likely Benign
SCN1A	2	166848277	T	G	1836	E	D	0.089	Likely Benign
SCN1A	2	166848276	G	A	1837	P	S	0.849	Likely Pathogenic
SCN1A	2	166848276	G	C	1837	P	A	0.438	Likely Benign
SCN1A	2	166848276	G	T	1837	P	T	0.820	Likely Pathogenic
SCN1A	2	166848275	G	A	1837	P	L	0.763	Likely Benign
SCN1A	2	166848275	G	C	1837	P	R	0.774	Likely Benign
SCN1A	2	166848275	G	T	1837	P	Q	0.691	Likely Benign
SCN1A	2	166848273	G	A	1838	P	S	0.990	Likely Pathogenic
SCN1A	2	166848273	G	C	1838	P	A	0.990	Likely Pathogenic
SCN1A	2	166848273	G	T	1838	P	T	0.990	Likely Pathogenic
SCN1A	2	166848272	G	A	1838	P	L	0.982	Likely Pathogenic
SCN1A	2	166848272	G	C	1838	P	R	0.990	Likely Pathogenic
SCN1A	2	166848272	G	T	1838	P	H	0.990	Likely Pathogenic
SCN1A	2	166848270	G	A	1839	L	F	0.978	Likely Pathogenic
SCN1A	2	166848270	G	C	1839	L	V	0.988	Likely Pathogenic
SCN1A	2	166848270	G	T	1839	L	I	0.990	Likely Pathogenic
SCN1A	2	166848269	A	C	1839	L	R	0.991	Likely Pathogenic
SCN1A	2	166848269	A	G	1839	L	P	0.992	Likely Pathogenic
SCN1A	2	166848269	A	T	1839	L	H	0.991	Likely Pathogenic
SCN1A	2	166848267	T	A	1840	N	Y	0.246	Likely Benign
SCN1A	2	166848267	T	C	1840	N	D	0.202	Likely Benign
SCN1A	2	166848267	T	G	1840	N	H	0.118	Likely Benign
SCN1A	2	166848266	T	A	1840	N	I	0.225	Likely Benign
SCN1A	2	166848266	T	C	1840	N	S	0.142	Likely Benign
SCN1A	2	166848266	T	G	1840	N	T	0.222	Likely Benign
SCN1A	2	166848265	A	C	1840	N	K	0.086	Likely Benign
SCN1A	2	166848265	A	T	1840	N	K	0.086	Likely Benign
SCN1A	2	166848264	G	C	1841	L	V	0.114	Likely Benign
SCN1A	2	166848264	G	T	1841	L	M	0.179	Likely Benign
SCN1A	2	166848263	A	C	1841	L	R	0.711	Likely Benign
SCN1A	2	166848263	A	G	1841	L	P	0.820	Likely Pathogenic
SCN1A	2	166848263	A	T	1841	L	Q	0.703	Likely Benign
SCN1A	2	166848261	G	A	1842	P	S	0.471	Likely Benign
SCN1A	2	166848261	G	C	1842	P	A	0.150	Likely Benign
SCN1A	2	166848261	G	T	1842	P	T	0.858	Likely Pathogenic
SCN1A	2	166848260	G	A	1842	P	L	0.917	Likely Pathogenic
SCN1A	2	166848260	G	C	1842	P	R	0.849	Likely Pathogenic
SCN1A	2	166848260	G	T	1842	P	Q	0.886	Likely Pathogenic
SCN1A	2	166848258	G	C	1843	Q	E	0.229	Likely Benign
SCN1A	2	166848258	G	T	1843	Q	K	0.019	Likely Benign
SCN1A	2	166848257	T	A	1843	Q	L	0.400	Likely Benign
SCN1A	2	166848257	T	C	1843	Q	R	0.367	Likely Benign
SCN1A	2	166848257	T	G	1843	Q	P	0.587	Likely Benign
SCN1A	2	166848256	T	A	1843	Q	H	0.276	Likely Benign
SCN1A	2	166848256	T	G	1843	Q	H	0.285	Likely Benign
SCN1A	2	166848255	G	A	1844	P	S	0.981	Likely Pathogenic
SCN1A	2	166848255	G	C	1844	P	A	0.975	Likely Pathogenic
SCN1A	2	166848255	G	T	1844	P	T	0.982	Likely Pathogenic
SCN1A	2	166848254	G	A	1844	P	L	0.970	Likely Pathogenic
SCN1A	2	166848254	G	C	1844	P	R	0.981	Likely Pathogenic
SCN1A	2	166848254	G	T	1844	P	Q	0.981	Likely Pathogenic
SCN1A	2	166848252	T	A	1845	N	Y	0.982	Likely Pathogenic
SCN1A	2	166848252	T	C	1845	N	D	0.977	Likely Pathogenic
SCN1A	2	166848252	T	G	1845	N	H	0.978	Likely Pathogenic
SCN1A	2	166848251	T	A	1845	N	I	0.983	Likely Pathogenic
SCN1A	2	166848251	T	C	1845	N	S	0.955	Likely Pathogenic
SCN1A	2	166848251	T	G	1845	N	T	0.949	Likely Pathogenic
SCN1A	2	166848250	G	C	1845	N	K	0.977	Likely Pathogenic
SCN1A	2	166848250	G	T	1845	N	K	0.977	Likely Pathogenic
SCN1A	2	166848249	T	C	1846	K	E	0.641	Likely Benign
SCN1A	2	166848249	T	G	1846	K	Q	0.333	Likely Benign
SCN1A	2	166848248	A	T	1846	K	I	0.834	Likely Pathogenic
SCN1A	2	166848248	T	C	1846	K	R	0.157	Likely Benign
SCN1A	2	166848248	T	G	1846	K	T	0.307	Likely Benign
SCN1A	2	166848247	T	A	1846	K	N	0.606	Likely Benign
SCN1A	2	166848247	T	G	1846	K	N	0.604	Likely Benign
SCN1A	2	166848246	G	A	1847	L	F	0.107	Likely Benign
SCN1A	2	166848246	G	C	1847	L	V	0.052	Likely Benign
SCN1A	2	166848246	G	T	1847	L	I	0.073	Likely Benign
SCN1A	2	166848245	A	C	1847	L	R	0.325	Likely Benign
SCN1A	2	166848245	A	G	1847	L	P	0.422	Likely Benign
SCN1A	2	166848245	A	T	1847	L	H	0.203	Likely Benign
SCN1A	2	166848243	G	C	1848	Q	E	0.241	Likely Benign
SCN1A	2	166848243	G	T	1848	Q	K	0.191	Likely Benign
SCN1A	2	166848242	T	A	1848	Q	L	0.491	Likely Benign
SCN1A	2	166848242	T	C	1848	Q	R	0.426	Likely Benign
SCN1A	2	166848242	T	G	1848	Q	P	0.873	Likely Pathogenic
SCN1A	2	166848241	C	A	1848	Q	H	0.570	Likely Benign
SCN1A	2	166848241	C	G	1848	Q	H	0.571	Likely Benign
SCN1A	2	166848240	G	A	1849	L	F	0.935	Likely Pathogenic
SCN1A	2	166848240	G	C	1849	L	V	0.960	Likely Pathogenic
SCN1A	2	166848240	G	T	1849	L	I	0.764	Likely Benign
SCN1A	2	166848239	A	C	1849	L	R	0.982	Likely Pathogenic
SCN1A	2	166848239	A	G	1849	L	P	0.982	Likely Pathogenic
SCN1A	2	166848239	A	T	1849	L	H	0.981	Likely Pathogenic
SCN1A	2	166848237	T	A	1850	I	F	0.942	Likely Pathogenic
SCN1A	2	166848237	T	C	1850	I	V	0.223	Likely Benign
SCN1A	2	166848237	T	G	1850	I	L	0.617	Likely Benign
SCN1A	2	166848236	A	C	1850	I	S	0.910	Likely Pathogenic
SCN1A	2	166848236	A	G	1850	I	T	0.889	Likely Pathogenic
SCN1A	2	166848236	A	T	1850	I	N	0.932	Likely Pathogenic
SCN1A	2	166848235	A	C	1850	I	M	0.725	Likely Benign
SCN1A	2	166848234	C	A	1851	A	S	0.155	Likely Benign
SCN1A	2	166848234	C	G	1851	A	P	0.896	Likely Pathogenic
SCN1A	2	166848234	C	T	1851	A	T	0.306	Likely Benign
SCN1A	2	166848233	G	A	1851	A	V	0.711	Likely Benign
SCN1A	2	166848233	G	C	1851	A	G	0.904	Likely Pathogenic
SCN1A	2	166848233	G	T	1851	A	D	0.889	Likely Pathogenic
SCN1A	2	166848231	T	A	1852	M	L	0.817	Likely Pathogenic
SCN1A	2	166848231	T	C	1852	M	V	0.975	Likely Pathogenic
SCN1A	2	166848231	T	G	1852	M	L	0.813	Likely Pathogenic
SCN1A	2	166848230	A	C	1852	M	R	0.977	Likely Pathogenic
SCN1A	2	166848230	A	G	1852	M	T	0.976	Likely Pathogenic
SCN1A	2	166848230	A	T	1852	M	K	0.977	Likely Pathogenic
SCN1A	2	166848229	C	A	1852	M	I	0.977	Likely Pathogenic
SCN1A	2	166848229	C	G	1852	M	I	0.977	Likely Pathogenic
SCN1A	2	166848229	C	T	1852	M	I	0.977	Likely Pathogenic
SCN1A	2	166848228	C	A	1853	D	Y	0.978	Likely Pathogenic
SCN1A	2	166848228	C	G	1853	D	H	0.969	Likely Pathogenic
SCN1A	2	166848228	C	T	1853	D	N	0.913	Likely Pathogenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166245775	A	G	1820	D	G	0.928	Likely Pathogenic
SCN2A	2	166245775	A	T	1820	D	V	0.942	Likely Pathogenic
SCN2A	2	166245776	T	A	1820	D	E	0.228	Likely Benign
SCN2A	2	166245776	T	G	1820	D	E	0.228	Likely Benign
SCN2A	2	166245777	C	A	1821	F	I	0.974	Likely Pathogenic
SCN2A	2	166245777	T	C	1821	F	L	0.842	Likely Pathogenic
SCN2A	2	166245777	T	G	1821	F	V	0.98	Likely Pathogenic
SCN2A	2	166245778	A	T	1821	F	Y	0.98	Likely Pathogenic
SCN2A	2	166245778	T	G	1821	F	S	0.974	Likely Pathogenic
SCN2A	2	166245778	T	A	1821	F	C	0.982	Likely Pathogenic
SCN2A	2	166245779	T	A	1821	F	L	0.768	Likely Benign
SCN2A	2	166245779	T	G	1821	F	L	0.765	Likely Benign
SCN2A	2	166245780	G	A	1822	A	T	0.96	Likely Pathogenic
SCN2A	2	166245780	G	C	1822	A	P	0.957	Likely Pathogenic
SCN2A	2	166245780	G	T	1822	A	S	0.947	Likely Pathogenic
SCN2A	2	166245781	C	A	1822	A	E	0.953	Likely Pathogenic
SCN2A	2	166245781	C	G	1822	A	G	0.953	Likely Pathogenic
SCN2A	2	166245781	C	T	1822	A	V	0.945	Likely Pathogenic
SCN2A	2	166245783	G	A	1823	D	N	0.261	Likely Benign
SCN2A	2	166245783	G	C	1823	D	H	0.475	Likely Benign
SCN2A	2	166245783	G	T	1823	D	Y	0.727	Likely Benign
SCN2A	2	166245784	A	C	1823	D	A	0.132	Likely Benign
SCN2A	2	166245784	A	G	1823	D	G	0.577	Likely Benign
SCN2A	2	166245784	A	T	1823	D	V	0.575	Likely Benign
SCN2A	2	166245785	T	A	1823	D	E	0.527	Likely Benign
SCN2A	2	166245785	T	G	1823	D	E	0.598	Likely Benign
SCN2A	2	166245786	G	A	1824	A	T	0.197	Likely Benign
SCN2A	2	166245786	G	C	1824	A	P	0.74	Likely Benign
SCN2A	2	166245786	G	T	1824	A	S	0.147	Likely Benign
SCN2A	2	166245787	C	A	1824	A	D	0.755	Likely Benign
SCN2A	2	166245787	C	G	1824	A	G	0.641	Likely Benign
SCN2A	2	166245787	C	T	1824	A	V	0.262	Likely Benign
SCN2A	2	166245789	C	A	1825	L	M	0.915	Likely Pathogenic
SCN2A	2	166245789	C	G	1825	L	V	0.958	Likely Pathogenic
SCN2A	2	166245790	T	A	1825	L	Q	0.984	Likely Pathogenic
SCN2A	2	166245790	T	C	1825	L	P	0.986	Likely Pathogenic
SCN2A	2	166245790	T	G	1825	L	R	0.984	Likely Pathogenic
SCN2A	2	166245792	G	A	1826	D	N	0.618	Likely Benign
SCN2A	2	166245792	G	C	1826	D	H	0.761	Likely Benign
SCN2A	2	166245792	G	T	1826	D	Y	0.846	Likely Pathogenic
SCN2A	2	166245793	A	C	1826	D	A	0.521	Likely Benign
SCN2A	2	166245793	A	G	1826	D	G	0.799	Likely Pathogenic
SCN2A	2	166245793	A	T	1826	D	V	0.918	Likely Pathogenic
SCN2A	2	166245794	A	G	1826	D	E	0.151	Likely Benign
SCN2A	2	166245794	T	G	1826	D	E	0.148	Likely Benign
SCN2A	2	166245795	C	A	1827	P	T	0.671	Likely Benign
SCN2A	2	166245795	C	G	1827	P	A	0.531	Likely Benign
SCN2A	2	166245795	C	T	1827	P	S	0.71	Likely Benign
SCN2A	2	166245796	C	A	1827	P	H	0.348	Likely Benign
SCN2A	2	166245796	C	G	1827	P	R	0.69	Likely Benign
SCN2A	2	166245796	C	T	1827	P	L	0.77	Likely Benign
SCN2A	2	166245798	C	A	1828	P	T	0.993	Likely Pathogenic
SCN2A	2	166245798	C	G	1828	P	A	0.993	Likely Pathogenic
SCN2A	2	166245798	C	T	1828	P	S	0.993	Likely Pathogenic
SCN2A	2	166245799	C	A	1828	P	H	0.993	Likely Pathogenic
SCN2A	2	166245799	C	G	1828	P	R	0.993	Likely Pathogenic
SCN2A	2	166245799	C	T	1828	P	L	0.988	Likely Pathogenic
SCN2A	2	166245801	C	A	1829	L	I	0.986	Likely Pathogenic
SCN2A	2	166245801	C	G	1829	L	V	0.988	Likely Pathogenic
SCN2A	2	166245801	C	T	1829	L	F	0.973	Likely Pathogenic
SCN2A	2	166245802	T	A	1829	L	H	0.992	Likely Pathogenic
SCN2A	2	166245802	T	C	1829	L	P	0.992	Likely Pathogenic
SCN2A	2	166245802	T	G	1829	L	R	0.992	Likely Pathogenic
SCN2A	2	166245804	C	A	1830	L	I	0.222	Likely Benign
SCN2A	2	166245804	C	G	1830	L	V	0.201	Likely Benign
SCN2A	2	166245804	C	T	1830	L	F	0.163	Likely Benign
SCN2A	2	166245805	T	A	1830	L	H	0.168	Likely Benign
SCN2A	2	166245805	T	C	1830	L	P	0.427	Likely Benign
SCN2A	2	166245805	T	G	1830	L	R	0.037	Likely Benign
SCN2A	2	166245807	A	C	1831	I	L	0.183	Likely Benign
SCN2A	2	166245807	A	G	1831	I	V	0.18	Likely Benign
SCN2A	2	166245807	A	T	1831	I	I	0.184	Likely Benign
SCN2A	2	166245808	T	A	1831	I	K	0.952	Likely Pathogenic
SCN2A	2	166245808	T	C	1831	I	T	0.886	Likely Pathogenic
SCN2A	2	166245808	T	G	1831	I	R	0.95	Likely Pathogenic
SCN2A	2	166245809	A	G	1831	I	M	0.259	Likely Benign
SCN2A	2	166245810	G	A	1832	A	T	0.743	Likely Benign
SCN2A	2	166245810	G	C	1832	A	P	0.111	Likely Benign
SCN2A	2	166245810	G	T	1832	A	S	0.384	Likely Benign
SCN2A	2	166245811	C	A	1832	A	E	0.746	Likely Benign
SCN2A	2	166245811	C	G	1832	A	G	0.297	Likely Benign
SCN2A	2	166245811	C	T	1832	A	V	0.729	Likely Benign
SCN2A	2	166245813	A	C	1833	K	Q	0.471	Likely Benign
SCN2A	2	166245813	A	G	1833	K	E	0.919	Likely Pathogenic
SCN2A	2	166245814	A	C	1833	K	T	0.949	Likely Pathogenic
SCN2A	2	166245814	A	G	1833	K	R	0.888	Likely Pathogenic
SCN2A	2	166245814	A	T	1833	K	I	0.948	Likely Pathogenic
SCN2A	2	166245815	A	C	1833	K	N	0.843	Likely Pathogenic
SCN2A	2	166245815	A	T	1833	K	N	0.843	Likely Pathogenic
SCN2A	2	166245816	C	A	1834	P	T	0.982	Likely Pathogenic
SCN2A	2	166245816	C	G	1834	P	A	0.974	Likely Pathogenic
SCN2A	2	166245816	C	T	1834	P	S	0.981	Likely Pathogenic
SCN2A	2	166245817	C	A	1834	P	H	0.98	Likely Pathogenic
SCN2A	2	166245817	C	G	1834	P	R	0.98	Likely Pathogenic
SCN2A	2	166245817	C	T	1834	P	L	0.965	Likely Pathogenic
SCN2A	2	166245819	A	C	1835	N	H	0.98	Likely Pathogenic
SCN2A	2	166245819	A	G	1835	N	D	0.981	Likely Pathogenic
SCN2A	2	166245819	A	T	1835	N	Y	0.983	Likely Pathogenic
SCN2A	2	166245820	A	C	1835	N	Y	0.968	Likely Pathogenic
SCN2A	2	166245820	A	G	1835	N	S	0.961	Likely Pathogenic
SCN2A	2	166245820	A	T	1835	N	I	0.984	Likely Pathogenic
SCN2A	2	166245821	C	A	1835	N	K	0.976	Likely Pathogenic
SCN2A	2	166245821	C	G	1835	N	K	0.977	Likely Pathogenic
SCN2A	2	166245822	A	C	1836	K	Q	0.265	Likely Benign
SCN2A	2	166245822	A	G	1836	K	E	0.571	Likely Benign
SCN2A	2	166245823	A	C	1836	K	T	0.229	Likely Benign
SCN2A	2	166245823	A	G	1836	K	R	0.157	Likely Benign
SCN2A	2	166245823	A	T	1836	K	I	0.732	Likely Benign
SCN2A	2	166245824	A	C	1836	K	N	0.277	Likely Benign
SCN2A	2	166245824	A	T	1836	K	N	0.288	Likely Benign
SCN2A	2	166245825	G	A	1837	V	I	0.156	Likely Benign
SCN2A	2	166245825	G	C	1837	V	L	0.145	Likely Benign
SCN2A	2	166245825	G	T	1837	V	F	0.18	Likely Benign
SCN2A	2	166245826	T	A	1837	V	D	0.549	Likely Benign
SCN2A	2	166245826	T	C	1837	V	A	0.199	Likely Benign
SCN2A	2	166245826	T	G	1837	V	G	0.412	Likely Benign
SCN2A	2	166245828	A	G	1838	Q	K	0.178	Likely Benign
SCN2A	2	166245828	C	G	1838	Q	R	0.194	Likely Benign
SCN2A	2	166245829	A	C	1838	Q	P	0.75	Likely Benign
SCN2A	2	166245829	A	G	1838	Q	R	0.487	Likely Benign
SCN2A	2	166245829	A	T	1838	Q	L	0.368	Likely Benign
SCN2A	2	166245830	G	C	1838	Q	H	0.373	Likely Benign
SCN2A	2	166245830	G	T	1838	Q	H	0.436	Likely Benign
SCN2A	2	166245831	C	A	1839	L	I	0.632	Likely Benign
SCN2A	2	166245831	C	G	1839	L	V	0.956	Likely Pathogenic
SCN2A	2	166245831	C	T	1839	L	F	0.908	Likely Pathogenic
SCN2A	2	166245832	T	A	1839	L	H	0.983	Likely Pathogenic
SCN2A	2	166245832	T	C	1839	L	P	0.983	Likely Pathogenic
SCN2A	2	166245832	T	G	1839	L	R	0.983	Likely Pathogenic
SCN2A	2	166245834	A	C	1840	I	L	0.812	Likely Pathogenic
SCN2A	2	166245834	A	G	1840	I	V	0.386	Likely Benign
SCN2A	2	166245834	A	T	1840	I	F	0.963	Likely Pathogenic
SCN2A	2	166245835	A	A	1840	I	N	0.962	Likely Pathogenic
SCN2A	2	166245835	T	C	1840	I	T	0.944	Likely Pathogenic
SCN2A	2	166245835	T	G	1840	I	S	0.957	Likely Pathogenic
SCN2A	2	166245836	T	G	1840	I	M	0.873	Likely Pathogenic
SCN2A	2	166245837	G	A	1841	A	T	0.335	Likely Benign
SCN2A	2	166245837	G	C	1841	A	P	0.696	Likely Benign
SCN2A	2	166245837	G	T	1841	A	S	0.165	Likely Benign
SCN2A	2	166245838	C	A	1841	A	D	0.636	Likely Benign
SCN2A	2	166245838	C	G	1841	A	G	0.702	Likely Benign
SCN2A	2	166245838	C	T	1841	A	V	0.581	Likely Benign
SCN2A	2	166245840	A	C	1842	M	L	0.828	Likely Pathogenic
SCN2A	2	166245840	A	G	1842	M	V	0.979	Likely Pathogenic
SCN2A	2	166245840	A	T	1842	M	I	0.828	Likely Pathogenic
SCN2A	2	166245841	T	A	1842	M	K	0.981	Likely Pathogenic
SCN2A	2	166245841	T	C	1842	M	T	0.981	Likely Pathogenic
SCN2A	2	166245841	T	G	1842	M	R	0.981	Likely Pathogenic
SCN2A	2	166245842	G	A	1842	M	I	0.979	Likely Pathogenic
SCN2A	2	166245842	G	C	1842	M	I	0.979	Likely Pathogenic
SCN2A	2	166245842	G	T	1842	M	I	0.979	Likely Pathogenic
SCN2A	2	166245843	A	A	1843	D	N	0.92	Likely Pathogenic
SCN2A	2	166245843	G	C	1843	D	H	0.967	Likely Pathogenic
SCN2A	2	166245843	G	T	1843	D	Y	0.979	Likely Pathogenic
SCN2A	2	166245844	A	C	1843	D	A	0.983	Likely Pathogenic
SCN2A	2	166245844	A	G	1843	D	G	0.983	Likely Pathogenic
SCN2A	2	166245844	A	T	1843	D	V	0.984	Likely Pathogenic
SCN2A	2	166245845	T	A	1843	D	E	0.932	Likely Pathogenic
SCN2A	2	166245845	T	G	1843	D	E	0.93

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166848227	T	A	1853	D	V	0.982	Likely Pathoenic
SCN1A	2	166848227	T	C	1853	D	G	0.981	Likely Pathoenic
SCN1A	2	166848227	T	G	1853	D	A	0.980	Likely Pathoenic
SCN1A	2	166848226	A	C	1853	D	E	0.951	Likely Pathoenic
SCN1A	2	166848226	A	T	1853	D	E	0.951	Likely Pathoenic
SCN1A	2	166848225	A	C	1854	L	V	0.957	Likely Pathoenic
SCN1A	2	166848225	A	T	1854	L	M	0.774	Likely Benian
SCN1A	2	166848224	A	C	1854	L	W	0.978	Likely Pathoenic
SCN1A	2	166848224	A	G	1854	L	S	0.978	Likely Pathoenic
SCN1A	2	166848223	C	A	1854	L	F	0.974	Likely Pathoenic
SCN1A	2	166848223	C	G	1854	L	F	0.973	Likely Pathoenic
SCN1A	2	166848222	G	A	1855	P	S	0.980	Likely Pathoenic
SCN1A	2	166848222	G	C	1855	P	A	0.969	Likely Pathoenic
SCN1A	2	166848222	G	T	1855	P	T	0.966	Likely Pathoenic
SCN1A	2	166848221	G	A	1855	P	L	0.972	Likely Pathoenic
SCN1A	2	166848221	G	C	1855	P	R	0.983	Likely Pathoenic
SCN1A	2	166848221	G	T	1855	P	H	0.983	Likely Pathoenic
SCN1A	2	166848219	T	A	1856	M	L	0.216	Likely Benian
SCN1A	2	166848219	T	C	1856	M	V	0.327	Likely Benian
SCN1A	2	166848219	T	G	1856	M	L	0.215	Likely Benian
SCN1A	2	166848218	A	C	1856	M	R	0.953	Likely Pathoenic
SCN1A	2	166848218	A	G	1856	M	T	0.938	Likely Pathoenic
SCN1A	2	166848218	A	T	1856	M	K	0.942	Likely Pathoenic
SCN1A	2	166848217	C	A	1856	M	I	0.282	Likely Benian
SCN1A	2	166848217	C	G	1856	M	I	0.278	Likely Benian
SCN1A	2	166848217	C	T	1856	M	I	0.279	Likely Benian
SCN1A	2	166848216	C	A	1857	V	L	0.971	Likely Pathoenic
SCN1A	2	166848216	C	G	1857	V	L	0.971	Likely Pathoenic
SCN1A	2	166848216	C	T	1857	V	M	0.956	Likely Pathoenic
SCN1A	2	166848215	A	C	1857	V	G	0.976	Likely Pathoenic
SCN1A	2	166848215	A	G	1857	V	A	0.894	Likely Pathoenic
SCN1A	2	166848215	A	T	1857	V	E	0.975	Likely Pathoenic
SCN1A	2	166848213	T	A	1858	S	C	0.915	Likely Pathoenic
SCN1A	2	166848213	T	C	1858	S	G	0.813	Likely Pathoenic
SCN1A	2	166848213	T	G	1858	S	R	0.614	Likely Benian
SCN1A	2	166848212	C	A	1858	S	I	0.796	Likely Pathoenic
SCN1A	2	166848212	C	G	1858	S	T	0.289	Likely Benian
SCN1A	2	166848212	C	T	1858	S	N	0.528	Likely Benian
SCN1A	2	166848211	A	C	1858	S	R	0.660	Likely Benian
SCN1A	2	166848211	A	T	1858	S	R	0.657	Likely Benian
SCN1A	2	166848210	C	A	1859	G	C	0.973	Likely Pathoenic
SCN1A	2	166848210	C	G	1859	G	R	0.958	Likely Pathoenic
SCN1A	2	166848210	C	T	1859	G	S	0.934	Likely Pathoenic
SCN1A	2	166848209	G	A	1859	G	V	0.978	Likely Pathoenic
SCN1A	2	166848209	C	G	1859	G	A	0.975	Likely Pathoenic
SCN1A	2	166848209	C	T	1859	G	D	0.924	Likely Pathoenic
SCN1A	2	166848207	A	C	1860	D	Y	0.972	Likely Pathoenic
SCN1A	2	166848207	C	G	1860	D	H	0.936	Likely Pathoenic
SCN1A	2	166848207	C	T	1860	D	N	0.885	Likely Pathoenic
SCN1A	2	166848206	A	C	1860	D	V	0.974	Likely Pathoenic
SCN1A	2	166848206	T	C	1860	D	G	0.891	Likely Pathoenic
SCN1A	2	166848206	T	G	1860	D	A	0.966	Likely Pathoenic
SCN1A	2	166848205	G	C	1860	D	E	0.541	Likely Benian
SCN1A	2	166848205	G	T	1860	D	E	0.540	Likely Benian
SCN1A	2	166848204	G	A	1861	R	W	0.960	Likely Pathoenic
SCN1A	2	166848204	G	C	1861	R	G	0.962	Likely Pathoenic
SCN1A	2	166848203	C	A	1861	R	L	0.897	Likely Pathoenic
SCN1A	2	166848203	C	G	1861	R	P	0.976	Likely Pathoenic
SCN1A	2	166848203	C	T	1861	R	Q	0.958	Likely Pathoenic
SCN1A	2	166848201	T	A	1862	I	F	0.975	Likely Pathoenic
SCN1A	2	166848201	T	C	1862	I	V	0.594	Likely Benian
SCN1A	2	166848201	T	G	1862	I	L	0.817	Likely Pathoenic
SCN1A	2	166848200	A	C	1862	I	S	0.979	Likely Pathoenic
SCN1A	2	166848200	A	G	1862	I	T	0.972	Likely Pathoenic
SCN1A	2	166848200	A	T	1862	I	N	0.979	Likely Pathoenic
SCN1A	2	166848199	G	C	1862	I	M	0.792	Likely Pathoenic
SCN1A	2	166848198	G	A	1863	H	Y	0.884	Likely Pathoenic
SCN1A	2	166848198	G	C	1863	H	D	0.977	Likely Pathoenic
SCN1A	2	166848198	G	T	1863	H	N	0.976	Likely Pathoenic
SCN1A	2	166848197	T	A	1863	H	L	0.980	Likely Pathoenic
SCN1A	2	166848197	T	C	1863	H	R	0.979	Likely Pathoenic
SCN1A	2	166848197	T	G	1863	H	P	0.980	Likely Pathoenic
SCN1A	2	166848196	G	C	1863	H	Q	0.968	Likely Pathoenic
SCN1A	2	166848196	G	T	1863	H	Q	0.968	Likely Pathoenic
SCN1A	2	166848195	A	C	1864	C	G	0.983	Likely Pathoenic
SCN1A	2	166848195	A	G	1864	C	R	0.982	Likely Pathoenic
SCN1A	2	166848195	A	T	1864	C	S	0.971	Likely Pathoenic
SCN1A	2	166848194	C	A	1864	C	F	0.957	Likely Pathoenic
SCN1A	2	166848194	C	G	1864	C	S	0.970	Likely Pathoenic
SCN1A	2	166848194	C	T	1864	C	Y	0.962	Likely Pathoenic
SCN1A	2	166848193	A	C	1864	C	W	0.980	Likely Pathoenic
SCN1A	2	166848192	G	A	1865	L	F	0.953	Likely Pathoenic
SCN1A	2	166848192	G	C	1865	L	V	0.768	Likely Benian
SCN1A	2	166848192	G	T	1865	L	I	0.936	Likely Pathoenic
SCN1A	2	166848191	A	C	1865	L	R	0.958	Likely Pathoenic
SCN1A	2	166848191	A	G	1865	L	P	0.977	Likely Pathoenic
SCN1A	2	166848191	A	T	1865	L	H	0.975	Likely Pathoenic
SCN1A	2	166848189	A	C	1866	D	Y	0.982	Likely Pathoenic
SCN1A	2	166848189	C	G	1866	D	H	0.974	Likely Pathoenic
SCN1A	2	166848189	C	T	1866	D	N	0.980	Likely Pathoenic
SCN1A	2	166848188	A	C	1866	D	V	0.983	Likely Pathoenic
SCN1A	2	166848188	T	C	1866	D	G	0.982	Likely Pathoenic
SCN1A	2	166848188	T	G	1866	D	A	0.982	Likely Pathoenic
SCN1A	2	166848187	A	C	1866	D	E	0.950	Likely Pathoenic
SCN1A	2	166848187	A	T	1866	D	E	0.950	Likely Pathoenic
SCN1A	2	166848186	T	A	1867	I	F	0.977	Likely Pathoenic
SCN1A	2	166848186	T	C	1867	I	V	0.267	Likely Benian
SCN1A	2	166848186	T	G	1867	I	L	0.889	Likely Pathoenic
SCN1A	2	166848185	A	C	1867	I	S	0.978	Likely Pathoenic
SCN1A	2	166848185	A	G	1867	I	T	0.965	Likely Pathoenic
SCN1A	2	166848185	A	T	1867	I	N	0.979	Likely Pathoenic
SCN1A	2	166848184	G	C	1867	I	M	0.971	Likely Pathoenic
SCN1A	2	166848183	A	C	1868	L	V	0.981	Likely Pathoenic
SCN1A	2	166848183	A	T	1868	L	I	0.968	Likely Pathoenic
SCN1A	2	166848182	A	G	1868	L	S	0.987	Likely Pathoenic
SCN1A	2	166848181	T	A	1868	L	F	0.984	Likely Pathoenic
SCN1A	2	166848181	T	G	1868	L	F	0.984	Likely Pathoenic
SCN1A	2	166848180	A	C	1869	F	V	0.964	Likely Pathoenic
SCN1A	2	166848180	A	G	1869	F	L	0.823	Likely Pathoenic
SCN1A	2	166848180	A	T	1869	F	I	0.916	Likely Pathoenic
SCN1A	2	166848179	A	C	1869	F	C	0.971	Likely Pathoenic
SCN1A	2	166848179	A	G	1869	F	S	0.959	Likely Pathoenic
SCN1A	2	166848179	A	T	1869	F	Y	0.850	Likely Pathoenic
SCN1A	2	166848178	C	A	1869	F	L	0.812	Likely Pathoenic
SCN1A	2	166848178	A	T	1869	F	L	0.813	Likely Pathoenic
SCN1A	2	166848177	C	A	1870	A	S	0.979	Likely Pathoenic
SCN1A	2	166848177	C	G	1870	A	P	0.986	Likely Pathoenic
SCN1A	2	166848177	C	T	1870	A	T	0.979	Likely Pathoenic
SCN1A	2	166848176	G	A	1870	A	V	0.978	Likely Pathoenic
SCN1A	2	166848176	G	C	1870	A	G	0.978	Likely Pathoenic
SCN1A	2	166848176	G	T	1870	A	D	0.978	Likely Pathoenic
SCN1A	2	166848174	A	C	1871	F	V	0.919	Likely Pathoenic
SCN1A	2	166848174	A	G	1871	F	L	0.191	Likely Benian
SCN1A	2	166848174	A	T	1871	F	I	0.951	Likely Pathoenic
SCN1A	2	166848173	A	C	1871	F	C	0.967	Likely Pathoenic
SCN1A	2	166848173	A	G	1871	F	S	0.967	Likely Pathoenic
SCN1A	2	166848173	A	T	1871	F	Y	0.944	Likely Pathoenic
SCN1A	2	166848172	A	C	1871	F	L	0.171	Likely Benian
SCN1A	2	166848172	A	T	1871	F	L	0.172	Likely Benian
SCN1A	2	166848171	T	A	1872	T	S	0.964	Likely Pathoenic
SCN1A	2	166848171	T	C	1872	T	A	0.949	Likely Pathoenic
SCN1A	2	166848171	T	G	1872	T	P	0.981	Likely Pathoenic
SCN1A	2	166848170	G	A	1872	T	I	0.946	Likely Pathoenic
SCN1A	2	166848170	G	C	1872	T	R	0.979	Likely Pathoenic
SCN1A	2	166848170	G	T	1872	T	K	0.978	Likely Pathoenic
SCN1A	2	166848168	T	C	1873	K	E	0.945	Likely Pathoenic
SCN1A	2	166848168	T	G	1873	K	Q	0.942	Likely Pathoenic
SCN1A	2	166848167	T	A	1873	K	M	0.976	Likely Pathoenic
SCN1A	2	166848167	T	C	1873	K	R	0.859	Likely Pathoenic
SCN1A	2	166848167	T	G	1873	K	T	0.917	Likely Pathoenic
SCN1A	2	166848166	C	A	1873	K	N	0.957	Likely Pathoenic
SCN1A	2	166848166	C	G	1873	K	N	0.956	Likely Pathoenic
SCN1A	2	166848165	G	A	1874	R	W	0.948	Likely Pathoenic
SCN1A	2	166848165	G	C	1874	R	G	0.948	Likely Pathoenic
SCN1A	2	166848164	C	A	1874	R	L	0.974	Likely Pathoenic
SCN1A	2	166848164	C	G	1874	R	P	0.973	Likely Pathoenic
SCN1A	2	166848164	C	T	1874	R	Q	0.952	Likely Pathoenic
SCN1A	2	166848162	C	A	1875	V	F	0.875	Likely Pathoenic
SCN1A	2	166848162	C	G	1875	V	L	0.951	Likely Pathoenic
SCN1A	2	166848162	C	T	1875	V	I	0.920	Likely Pathoenic
SCN1A	2	166848161	A	C	1875	V	G	0.979	Likely Pathoenic
SCN1A	2	166848161	A	G	1875	V	A	0.915	Likely Pathoenic
SCN1A	2	166848161	A	T	1875	V	D	0.979	Likely Pathoenic
SCN1A	2	166848159	G	C	1876	L	V	0.962	Likely Pathoenic
SCN1A	2	166848159	G	T	1876	L	I	0.925	Likely Pathoenic
SCN1A	2	166848158	A	C	1876	L	R	0.976	Likely Pathoenic
SCN1A	2	166848158	A	G	1876	L	P	0.974	Likely Pathoenic
SCN1A	2	166848158	A	T	1876	L	Q	0.972	Likely Pathoenic
SCN1A	2	166848156	C	G	1877	G	R	0.971	Likely Pathoenic
SCN1A	2	166848156	C	T	1877	G	R	0.971	Likely Pathoenic
SCN1A	2	166848155	C	A	1877	G	V	0.974	Likely Pathoenic
SCN1A	2	166848155	C	G	1877	G	A	0.898	Likely Pathoenic
SCN1A	2	166848155	C	T	1877	G	E	0.980	Likely Pathoenic
SCN1A	2	166848153	C	G	1878	E	Q	0.916	Likely Pathoenic
SCN1A	2	166848153	C	T	1878	E	K	0.915	Likely Pathoenic
SCN1A	2	166848152	T	A	1878	E	V	0.909	Likely Pathoenic
SCN1A	2	166848152	T	C	1878	E	G	0.879	Likely Pathoenic
SCN1A	2	166848152	T	G	1878	E	A	0.941	Likely Pathoenic
SCN1A	2	166848151	C	A	1878	E	D	0.320	Likely Benian
SCN1A	2	166848151	C	G	1878	E	D	0.304	Likely Benian
SCN1A	2	166848150	A	C	1879	S	C	0.903	Likely Pathoenic
SCN1A	2	166848150	T	C	1879	S	G	0.220	Likely Benian
SCN1A	2	166848150	T	G	1879	S	R	0.909	Likely Pathoenic
SCN1A	2	166848149	C	A	1879	S	I	0.929	Likely Pathoenic
SCN1A	2	166848149	C	G	1879	S	T	0.715	Likely Benian
SCN1A	2	166848149	C	T	1879	S	N	0.900	Likely Pathoenic
SCN1A	2	166848148	A	C	1879	S	R	0.918	Likely Pathoenic
SCN1A	2	166848148	A	T	1879	S	R	0.918	Likely Pathoenic
SCN1A	2	166848147	C	G	1880	G	R	0.952	Likely Pathoenic
SCN1A	2	166848147	C	T	1880	G	R	0.952	Likely Pathoenic
SCN1A	2	166848146	C	A	1880	G	V	0.770	Likely Benian
SCN1A	2	166848146	C	G	1880	G	A	0.541	Likely Benian
SCN1A	2	166848146	C	T	1880	G	E	0.259	Likely Benian
SCN1A	2	166848144	C	G	1881	E	Q	0.888	Likely Pathoenic
SCN1A	2	166848144	C	T	1881	E	K	0.917	Likely Pathoenic
SCN1A	2	166848143	T	A	1881	E	V	0.941	Likely Pathoenic
SCN1A	2	166848143	T	C	1881	E	G	0.729	Likely Benian

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166245858	A	T	1848	S	C	0.901	Likely Pathogenic
SCN2A	2	166245859	G	A	1848	S	N	0.417	Likely Benign
SCN2A	2	166245859	G	C	1848	S	T	0.256	Likely Benign
SCN2A	2	166245859	G	T	1848	S	I	0.655	Likely Benign
SCN2A	2	166245860	T	A	1848	S	R	0.676	Likely Benign
SCN2A	2	166245860	T	G	1848	S	R	0.669	Likely Benign
SCN2A	2	166245861	G	A	1849	G	S	0.909	Likely Pathogenic
SCN2A	2	166245861	G	C	1849	G	R	0.943	Likely Pathogenic
SCN2A	2	166245861	G	T	1849	G	C	0.965	Likely Pathogenic
SCN2A	2	166245862	G	A	1849	G	D	0.914	Likely Pathogenic
SCN2A	2	166245862	G	C	1849	G	A	0.972	Likely Pathogenic
SCN2A	2	166245862	G	T	1849	G	V	0.975	Likely Pathogenic
SCN2A	2	166245864	G	A	1850	D	N	0.854	Likely Pathogenic
SCN2A	2	166245864	G	C	1850	D	H	0.923	Likely Pathogenic
SCN2A	2	166245864	G	T	1850	D	Y	0.968	Likely Pathogenic
SCN2A	2	166245865	A	C	1850	D	A	0.963	Likely Pathogenic
SCN2A	2	166245865	A	G	1850	D	G	0.844	Likely Pathogenic
SCN2A	2	166245865	A	T	1850	D	V	0.969	Likely Pathogenic
SCN2A	2	166245866	C	A	1850	D	E	0.472	Likely Benign
SCN2A	2	166245866	C	G	1850	D	E	0.481	Likely Benign
SCN2A	2	166245867	C	G	1851	R	G	0.958	Likely Pathogenic
SCN2A	2	166245867	C	T	1851	R	W	0.954	Likely Pathogenic
SCN2A	2	166245868	G	A	1851	R	Q	0.952	Likely Pathogenic
SCN2A	2	166245868	G	C	1851	R	P	0.971	Likely Pathogenic
SCN2A	2	166245868	G	T	1851	R	L	0.865	Likely Pathogenic
SCN2A	2	166245870	A	C	1852	I	L	0.841	Likely Pathogenic
SCN2A	2	166245870	A	G	1852	I	V	0.749	Likely Benign
SCN2A	2	166245870	A	T	1852	I	F	0.98	Likely Pathogenic
SCN2A	2	166245871	T	A	1852	N	I	0.981	Likely Pathogenic
SCN2A	2	166245871	T	C	1852	I	T	0.974	Likely Pathogenic
SCN2A	2	166245871	T	G	1852	I	S	0.981	Likely Pathogenic
SCN2A	2	166245872	C	G	1852	I	M	0.663	Likely Benign
SCN2A	2	166245873	C	A	1853	H	N	0.974	Likely Pathogenic
SCN2A	2	166245873	C	G	1853	H	D	0.976	Likely Pathogenic
SCN2A	2	166245873	C	T	1853	H	Y	0.804	Likely Pathogenic
SCN2A	2	166245874	A	C	1853	H	P	0.981	Likely Pathogenic
SCN2A	2	166245874	A	G	1853	H	R	0.98	Likely Pathogenic
SCN2A	2	166245874	A	T	1853	H	L	0.979	Likely Pathogenic
SCN2A	2	166245875	C	A	1853	H	Q	0.968	Likely Pathogenic
SCN2A	2	166245875	C	G	1853	H	Q	0.968	Likely Pathogenic
SCN2A	2	166245876	T	A	1854	C	S	0.973	Likely Pathogenic
SCN2A	2	166245876	T	C	1854	C	R	0.981	Likely Pathogenic
SCN2A	2	166245876	T	G	1854	C	G	0.982	Likely Pathogenic
SCN2A	2	166245877	G	A	1854	C	Y	0.954	Likely Pathogenic
SCN2A	2	166245877	G	C	1854	C	S	0.958	Likely Pathogenic
SCN2A	2	166245877	G	T	1854	C	F	0.955	Likely Pathogenic
SCN2A	2	166245878	T	G	1854	C	W	0.983	Likely Pathogenic
SCN2A	2	166245879	C	A	1855	L	I	0.937	Likely Pathogenic
SCN2A	2	166245879	C	G	1855	L	V	0.641	Likely Benign
SCN2A	2	166245879	C	T	1855	L	F	0.924	Likely Pathogenic
SCN2A	2	166245880	T	A	1855	L	H	0.973	Likely Pathogenic
SCN2A	2	166245880	T	C	1855	L	P	0.975	Likely Pathogenic
SCN2A	2	166245880	T	G	1855	L	R	0.947	Likely Pathogenic
SCN2A	2	166245882	G	A	1856	D	N	0.975	Likely Pathogenic
SCN2A	2	166245882	G	C	1856	D	H	0.966	Likely Pathogenic
SCN2A	2	166245882	G	T	1856	D	Y	0.979	Likely Pathogenic
SCN2A	2	166245883	A	C	1856	D	A	0.98	Likely Pathogenic
SCN2A	2	166245883	A	G	1856	D	G	0.979	Likely Pathogenic
SCN2A	2	166245883	A	T	1856	D	V	0.98	Likely Pathogenic
SCN2A	2	166245884	C	A	1856	D	E	0.903	Likely Pathogenic
SCN2A	2	166245884	C	G	1856	D	E	0.907	Likely Pathogenic
SCN2A	2	166245885	A	C	1857	I	L	0.873	Likely Pathogenic
SCN2A	2	166245885	A	G	1857	I	V	0.199	Likely Benign
SCN2A	2	166245885	A	T	1857	I	F	0.973	Likely Pathogenic
SCN2A	2	166245886	T	A	1857	I	N	0.976	Likely Pathogenic
SCN2A	2	166245886	T	C	1857	I	T	0.959	Likely Pathogenic
SCN2A	2	166245886	T	G	1857	I	S	0.977	Likely Pathogenic
SCN2A	2	166245887	C	G	1857	I	M	0.964	Likely Pathogenic
SCN2A	2	166245887	C	A	1858	L	I	0.963	Likely Pathogenic
SCN2A	2	166245888	T	G	1858	L	V	0.98	Likely Pathogenic
SCN2A	2	166245889	T	C	1858	L	S	0.984	Likely Pathogenic
SCN2A	2	166245890	A	T	1858	L	F	0.982	Likely Pathogenic
SCN2A	2	166245890	A	C	1858	L	F	0.982	Likely Pathogenic
SCN2A	2	166245891	T	A	1859	F	I	0.914	Likely Pathogenic
SCN2A	2	166245891	T	G	1859	F	L	0.813	Likely Pathogenic
SCN2A	2	166245891	T	G	1859	F	V	0.959	Likely Pathogenic
SCN2A	2	166245892	T	A	1859	F	Y	0.833	Likely Pathogenic
SCN2A	2	166245892	T	C	1859	F	S	0.956	Likely Pathogenic
SCN2A	2	166245892	T	G	1859	F	C	0.973	Likely Pathogenic
SCN2A	2	166245893	T	A	1859	F	L	0.814	Likely Pathogenic
SCN2A	2	166245893	T	G	1859	F	L	0.814	Likely Pathogenic
SCN2A	2	166245894	A	A	1860	A	T	0.978	Likely Pathogenic
SCN2A	2	166245894	G	C	1860	A	P	0.986	Likely Pathogenic
SCN2A	2	166245894	G	T	1860	A	S	0.979	Likely Pathogenic
SCN2A	2	166245895	C	A	1860	A	D	0.984	Likely Pathogenic
SCN2A	2	166245895	C	G	1860	A	G	0.975	Likely Pathogenic
SCN2A	2	166245895	C	T	1860	A	V	0.975	Likely Pathogenic
SCN2A	2	166245897	A	C	1861	F	I	0.965	Likely Pathogenic
SCN2A	2	166245897	T	C	1861	F	L	0.359	Likely Benign
SCN2A	2	166245897	T	G	1861	F	V	0.933	Likely Pathogenic
SCN2A	2	166245898	A	C	1861	F	V	0.963	Likely Pathogenic
SCN2A	2	166245898	T	C	1861	F	S	0.972	Likely Pathogenic
SCN2A	2	166245898	T	G	1861	F	C	0.974	Likely Pathogenic
SCN2A	2	166245899	A	C	1861	F	L	0.303	Likely Benign
SCN2A	2	166245899	T	G	1861	F	L	0.303	Likely Benign
SCN2A	2	166245900	A	C	1862	T	P	0.981	Likely Pathogenic
SCN2A	2	166245900	A	G	1862	T	A	0.954	Likely Pathogenic
SCN2A	2	166245900	A	T	1862	T	S	0.98	Likely Pathogenic
SCN2A	2	166245901	C	A	1862	T	K	0.975	Likely Pathogenic
SCN2A	2	166245901	C	G	1862	T	R	0.977	Likely Pathogenic
SCN2A	2	166245901	C	T	1862	T	I	0.935	Likely Pathogenic
SCN2A	2	166245903	A	C	1863	K	Q	0.813	Likely Pathogenic
SCN2A	2	166245903	A	G	1863	K	E	0.855	Likely Pathogenic
SCN2A	2	166245903	A	T	1863	K	N	0.784	Likely Pathogenic
SCN2A	2	166245904	A	G	1863	K	R	0.655	Likely Benign
SCN2A	2	166245904	A	T	1863	K	M	0.954	Likely Pathogenic
SCN2A	2	166245905	C	T	1863	K	N	0.9	Likely Pathogenic
SCN2A	2	166245905	G	T	1863	K	N	0.902	Likely Pathogenic
SCN2A	2	166245906	C	A	1864	R	S	0.949	Likely Pathogenic
SCN2A	2	166245906	C	G	1864	R	G	0.94	Likely Pathogenic
SCN2A	2	166245906	C	T	1864	R	C	0.97	Likely Pathogenic
SCN2A	2	166245907	G	A	1864	R	H	0.832	Likely Pathogenic
SCN2A	2	166245907	G	C	1864	R	P	0.962	Likely Pathogenic
SCN2A	2	166245907	G	T	1864	R	L	0.961	Likely Pathogenic
SCN2A	2	166245909	G	A	1865	V	I	0.919	Likely Pathogenic
SCN2A	2	166245909	G	C	1865	V	L	0.954	Likely Pathogenic
SCN2A	2	166245909	G	T	1865	V	F	0.745	Likely Benign
SCN2A	2	166245910	T	A	1865	V	D	0.981	Likely Pathogenic
SCN2A	2	166245910	T	C	1865	V	A	0.947	Likely Pathogenic
SCN2A	2	166245910	T	G	1865	V	G	0.981	Likely Pathogenic
SCN2A	2	166245912	T	A	1866	L	M	0.868	Likely Pathogenic
SCN2A	2	166245912	T	G	1866	L	V	0.966	Likely Pathogenic
SCN2A	2	166245913	T	C	1866	L	S	0.977	Likely Pathogenic
SCN2A	2	166245913	T	G	1866	L	W	0.973	Likely Pathogenic
SCN2A	2	166245914	G	C	1866	L	F	0.603	Likely Benign
SCN2A	2	166245914	G	T	1866	L	F	0.606	Likely Benign
SCN2A	2	166245915	G	A	1867	G	S	0.976	Likely Pathogenic
SCN2A	2	166245915	G	C	1867	G	R	0.978	Likely Pathogenic
SCN2A	2	166245915	G	T	1867	G	C	0.978	Likely Pathogenic
SCN2A	2	166245916	G	A	1867	G	D	0.956	Likely Pathogenic
SCN2A	2	166245916	G	C	1867	G	A	0.829	Likely Pathogenic
SCN2A	2	166245916	G	T	1867	G	V	0.972	Likely Pathogenic
SCN2A	2	166245918	A	C	1868	E	K	0.918	Likely Pathogenic
SCN2A	2	166245918	G	C	1868	E	Q	0.925	Likely Pathogenic
SCN2A	2	166245919	A	C	1868	E	A	0.961	Likely Pathogenic
SCN2A	2	166245919	G	C	1868	E	G	0.922	Likely Pathogenic
SCN2A	2	166245919	A	T	1868	E	V	0.944	Likely Pathogenic
SCN2A	2	166245920	G	C	1868	E	D	0.252	Likely Benign
SCN2A	2	166245920	T	C	1868	E	D	0.272	Likely Benign
SCN2A	2	166245921	A	C	1869	S	R	0.878	Likely Pathogenic
SCN2A	2	166245921	A	G	1869	S	G	0.185	Likely Benign
SCN2A	2	166245921	A	T	1869	S	C	0.867	Likely Pathogenic
SCN2A	2	166245922	G	A	1869	S	N	0.8	Likely Pathogenic
SCN2A	2	166245922	G	C	1869	S	T	0.228	Likely Benign
SCN2A	2	166245922	G	T	1869	S	I	0.894	Likely Pathogenic
SCN2A	2	166245923	T	A	1869	S	R	0.9	Likely Pathogenic
SCN2A	2	166245923	T	G	1869	S	R	0.888	Likely Pathogenic
SCN2A	2	166245924	G	A	1870	G	R	0.953	Likely Pathogenic
SCN2A	2	166245924	G	C	1870	G	R	0.954	Likely Pathogenic
SCN2A	2	166245925	G	A	1870	G	E	0.226	Likely Benign
SCN2A	2	166245925	G	C	1870	G	A	0.397	Likely Benign
SCN2A	2	166245925	G	T	1870	G	V	0.728	Likely Benign
SCN2A

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166848143	T	G	1881	E	A	0.862	Likely Pathoenic
SCN1A	2	166848142	C	A	1881	E	D	0.492	Likely Benian
SCN1A	2	166848142	C	G	1881	E	D	0.466	Likely Benian
SCN1A	2	166848141	T	A	1882	M	L	0.240	Likely Benian
SCN1A	2	166848141	T	C	1882	M	V	0.511	Likely Benian
SCN1A	2	166848141	T	G	1882	M	L	0.239	Likely Benian
SCN1A	2	166848140	A	C	1882	M	R	0.944	Likely Pathoenic
SCN1A	2	166848140	A	G	1882	M	T	0.931	Likely Pathoenic
SCN1A	2	166848140	A	T	1882	M	K	0.935	Likely Pathoenic
SCN1A	2	166848139	C	A	1882	M	I	0.866	Likely Pathoenic
SCN1A	2	166848139	C	G	1882	M	I	0.857	Likely Pathoenic
SCN1A	2	166848139	C	T	1882	M	I	0.866	Likely Pathoenic
SCN1A	2	166848138	C	A	1883	D	Y	0.974	Likely Pathoenic
SCN1A	2	166848138	C	G	1883	D	H	0.960	Likely Pathoenic
SCN1A	2	166848138	C	T	1883	D	N	0.878	Likely Pathoenic
SCN1A	2	166848137	T	A	1883	D	V	0.966	Likely Pathoenic
SCN1A	2	166848137	T	C	1883	D	G	0.958	Likely Pathoenic
SCN1A	2	166848137	T	G	1883	D	A	0.965	Likely Pathoenic
SCN1A	2	166848136	A	C	1883	D	E	0.701	Likely Benian
SCN1A	2	166848136	A	T	1883	D	E	0.715	Likely Benian
SCN1A	2	166848135	C	A	1884	A	S	0.309	Likely Benian
SCN1A	2	166848135	C	G	1884	A	P	0.417	Likely Benian
SCN1A	2	166848135	C	T	1884	A	T	0.243	Likely Benian
SCN1A	2	166848134	G	A	1884	A	V	0.436	Likely Benian
SCN1A	2	166848134	G	C	1884	A	G	0.410	Likely Benian
SCN1A	2	166848134	G	T	1884	A	D	0.663	Likely Benian
SCN1A	2	166848132	G	C	1885	L	V	0.877	Likely Pathoenic
SCN1A	2	166848132	G	T	1885	L	I	0.581	Likely Benian
SCN1A	2	166848131	A	C	1885	L	R	0.975	Likely Pathoenic
SCN1A	2	166848131	A	G	1885	L	P	0.972	Likely Pathoenic
SCN1A	2	166848131	A	T	1885	L	Q	0.975	Likely Pathoenic
SCN1A	2	166848129	G	C	1886	R	G	0.887	Likely Pathoenic
SCN1A	2	166848128	C	A	1886	R	L	0.853	Likely Pathoenic
SCN1A	2	166848128	C	G	1886	R	P	0.899	Likely Pathoenic
SCN1A	2	166848128	C	T	1886	R	Q	0.799	Likely Pathoenic
SCN1A	2	166848126	T	A	1887	I	L	0.124	Likely Benian
SCN1A	2	166848126	T	C	1887	I	V	0.162	Likely Benian
SCN1A	2	166848126	T	G	1887	I	L	0.123	Likely Benian
SCN1A	2	166848125	A	C	1887	I	R	0.342	Likely Benian
SCN1A	2	166848125	A	G	1887	I	T	0.202	Likely Benian
SCN1A	2	166848125	A	T	1887	I	K	0.389	Likely Benian
SCN1A	2	166848124	T	C	1887	I	M	0.362	Likely Benian
SCN1A	2	166848123	G	C	1888	Q	E	0.363	Likely Benian
SCN1A	2	166848123	G	T	1888	Q	K	0.872	Likely Pathoenic
SCN1A	2	166848122	T	A	1888	Q	L	0.817	Likely Pathoenic
SCN1A	2	166848122	T	C	1888	Q	R	0.690	Likely Benian
SCN1A	2	166848122	T	G	1888	Q	P	0.438	Likely Benian
SCN1A	2	166848121	C	A	1888	Q	H	0.757	Likely Benian
SCN1A	2	166848121	C	G	1888	Q	H	0.763	Likely Benian
SCN1A	2	166848120	A	C	1889	M	L	0.880	Likely Pathoenic
SCN1A	2	166848120	T	C	1889	M	V	0.864	Likely Pathoenic
SCN1A	2	166848120	T	G	1889	M	L	0.881	Likely Pathoenic
SCN1A	2	166848119	A	C	1889	M	R	0.974	Likely Pathoenic
SCN1A	2	166848119	A	G	1889	M	T	0.974	Likely Pathoenic
SCN1A	2	166848119	A	T	1889	M	K	0.974	Likely Pathoenic
SCN1A	2	166848118	C	A	1889	M	I	0.861	Likely Pathoenic
SCN1A	2	166848118	C	G	1889	M	I	0.859	Likely Pathoenic
SCN1A	2	166848118	C	T	1889	M	I	0.861	Likely Pathoenic
SCN1A	2	166848117	C	G	1890	E	Q	0.949	Likely Pathoenic
SCN1A	2	166848117	C	T	1890	E	K	0.963	Likely Pathoenic
SCN1A	2	166848116	T	A	1890	E	V	0.972	Likely Pathoenic
SCN1A	2	166848116	T	C	1890	E	G	0.972	Likely Pathoenic
SCN1A	2	166848116	T	G	1890	E	A	0.926	Likely Pathoenic
SCN1A	2	166848115	T	A	1890	E	D	0.845	Likely Pathoenic
SCN1A	2	166848115	T	G	1890	E	D	0.844	Likely Pathoenic
SCN1A	2	166848114	C	G	1891	Q	E	0.518	Likely Benian
SCN1A	2	166848114	C	T	1891	E	K	0.579	Likely Benian
SCN1A	2	166848113	T	A	1891	E	V	0.555	Likely Benian
SCN1A	2	166848113	T	C	1891	E	G	0.857	Likely Pathoenic
SCN1A	2	166848113	T	G	1891	E	A	0.488	Likely Benian
SCN1A	2	166848112	C	A	1891	E	D	0.185	Likely Benian
SCN1A	2	166848112	C	G	1891	E	D	0.186	Likely Benian
SCN1A	2	166848111	G	C	1892	R	G	0.627	Likely Benian
SCN1A	2	166848110	C	A	1892	R	L	0.961	Likely Pathoenic
SCN1A	2	166848110	C	G	1892	R	P	0.939	Likely Pathoenic
SCN1A	2	166848110	C	T	1892	R	Q	0.919	Likely Pathoenic
SCN1A	2	166848108	A	C	1893	F	V	0.939	Likely Pathoenic
SCN1A	2	166848108	A	G	1893	F	L	0.919	Likely Pathoenic
SCN1A	2	166848108	A	T	1893	F	I	0.978	Likely Pathoenic
SCN1A	2	166848107	A	C	1893	F	C	0.974	Likely Pathoenic
SCN1A	2	166848107	A	G	1893	F	S	0.980	Likely Pathoenic
SCN1A	2	166848107	A	T	1893	F	Y	0.942	Likely Pathoenic
SCN1A	2	166848106	G	C	1893	F	L	0.926	Likely Pathoenic
SCN1A	2	166848106	G	T	1893	F	L	0.925	Likely Pathoenic
SCN1A	2	166848105	T	A	1894	M	L	0.692	Likely Benian
SCN1A	2	166848105	T	C	1894	M	V	0.245	Likely Benian
SCN1A	2	166848105	T	G	1894	M	L	0.634	Likely Benian
SCN1A	2	166848104	A	C	1894	M	R	0.915	Likely Pathoenic
SCN1A	2	166848104	A	G	1894	M	T	0.923	Likely Pathoenic
SCN1A	2	166848104	A	T	1894	M	K	0.883	Likely Pathoenic
SCN1A	2	166848103	C	A	1894	M	I	0.832	Likely Pathoenic
SCN1A	2	166848103	C	G	1894	M	I	0.832	Likely Pathoenic
SCN1A	2	166848103	C	T	1894	M	I	0.832	Likely Pathoenic
SCN1A	2	166848102	C	A	1895	A	S	0.408	Likely Benian
SCN1A	2	166848102	C	G	1895	A	P	0.827	Likely Pathoenic
SCN1A	2	166848102	C	T	1895	A	T	0.801	Likely Pathoenic
SCN1A	2	166848101	G	A	1895	A	V	0.556	Likely Benian
SCN1A	2	166848101	G	C	1895	A	G	0.758	Likely Pathoenic
SCN1A	2	166848101	G	T	1895	A	D	0.874	Likely Pathoenic
SCN1A	2	166848099	A	C	1896	S	A	0.119	Likely Benian
SCN1A	2	166848099	A	G	1896	S	P	0.459	Likely Benian
SCN1A	2	166848099	A	T	1896	S	T	0.272	Likely Benian
SCN1A	2	166848098	G	A	1896	S	F	0.927	Likely Pathoenic
SCN1A	2	166848098	G	C	1896	S	C	0.923	Likely Pathoenic
SCN1A	2	166848098	G	T	1896	S	Y	0.926	Likely Pathoenic
SCN1A	2	166848096	T	A	1897	N	Y	0.973	Likely Pathoenic
SCN1A	2	166848096	T	C	1897	N	D	0.959	Likely Pathoenic
SCN1A	2	166848096	T	G	1897	N	H	0.926	Likely Pathoenic
SCN1A	2	166848095	T	A	1897	N	I	0.972	Likely Pathoenic
SCN1A	2	166848095	T	C	1897	N	S	0.951	Likely Pathoenic
SCN1A	2	166848095	T	G	1897	N	T	0.954	Likely Pathoenic
SCN1A	2	166848094	A	C	1897	N	K	0.962	Likely Pathoenic
SCN1A	2	166848094	A	T	1897	N	K	0.961	Likely Pathoenic
SCN1A	2	166848093	A	C	1898	P	S	0.977	Likely Pathoenic
SCN1A	2	166848093	G	C	1898	P	A	0.962	Likely Pathoenic
SCN1A	2	166848093	G	T	1898	P	T	0.963	Likely Pathoenic
SCN1A	2	166848092	A	C	1898	P	L	0.911	Likely Pathoenic
SCN1A	2	166848092	G	C	1898	P	R	0.977	Likely Pathoenic
SCN1A	2	166848092	G	T	1898	P	H	0.977	Likely Pathoenic
SCN1A	2	166848090	A	C	1899	S	A	0.942	Likely Pathoenic
SCN1A	2	166848090	A	G	1899	S	P	0.974	Likely Pathoenic
SCN1A	2	166848090	A	T	1899	S	T	0.886	Likely Pathoenic
SCN1A	2	166848089	G	A	1899	S	F	0.925	Likely Pathoenic
SCN1A	2	166848089	G	C	1899	S	C	0.971	Likely Pathoenic
SCN1A	2	166848089	G	T	1899	S	Y	0.971	Likely Pathoenic
SCN1A	2	166848087	T	C	1900	K	E	0.886	Likely Pathoenic
SCN1A	2	166848087	T	G	1900	K	Q	0.973	Likely Pathoenic
SCN1A	2	166848086	T	A	1900	K	M	0.975	Likely Pathoenic
SCN1A	2	166848086	T	C	1900	K	R	0.872	Likely Pathoenic
SCN1A	2	166848086	T	G	1900	K	T	0.925	Likely Pathoenic
SCN1A	2	166848085	C	A	1900	K	N	0.969	Likely Pathoenic
SCN1A	2	166848085	C	G	1900	K	N	0.969	Likely Pathoenic
SCN1A	2	166848084	C	A	1901	V	F	0.734	Likely Benian
SCN1A	2	166848084	C	G	1901	V	L	0.361	Likely Benian
SCN1A	2	166848084	C	T	1901	V	I	0.210	Likely Benian
SCN1A	2	166848083	A	C	1901	V	G	0.566	Likely Benian
SCN1A	2	166848083	A	G	1901	V	A	0.152	Likely Benian
SCN1A	2	166848083	A	T	1901	V	D	0.618	Likely Benian
SCN1A	2	166848081	A	C	1902	S	A	0.902	Likely Pathoenic
SCN1A	2	166848081	A	G	1902	S	P	0.959	Likely Pathoenic
SCN1A	2	166848081	A	T	1902	S	T	0.893	Likely Pathoenic
SCN1A	2	166848080	G	A	1902	S	F	0.962	Likely Pathoenic
SCN1A	2	166848080	G	C	1902	S	C	0.972	Likely Pathoenic
SCN1A	2	166848080	G	T	1902	S	Y	0.972	Likely Pathoenic
SCN1A	2	166848078	A	C	1903	Y	D	0.977	Likely Pathoenic
SCN1A	2	166848078	A	G	1903	Y	H	0.929	Likely Pathoenic
SCN1A	2	166848078	A	T	1903	Y	N	0.965	Likely Pathoenic
SCN1A	2	166848077	T	A	1903	Y	F	0.826	Likely Pathoenic
SCN1A	2	166848077	T	C	1903	Y	C	0.970	Likely Pathoenic
SCN1A	2	166848077	T	G	1903	Y	S	0.977	Likely Pathoenic
SCN1A	2	166848075	G	C	1904	Q	E	0.011	Likely Benian
SCN1A	2	166848075	G	T	1904	Q	K	0.116	Likely Benian
SCN1A	2	166848074	T	A	1904	Q	L	0.256	Likely Benian
SCN1A	2	166848074	T	C	1904	Q	R	0.167	Likely Benian
SCN1A	2	166848074	T	G	1904	Q	P	0.219	Likely Benian
SCN1A	2	166848073	C	A	1904	Q	H	0.257	Likely Benian
SCN1A	2	166848073	C	G	1904	Q	H	0.242	Likely Benian
SCN1A	2	166848072	G	A	1905	P	S	0.964	Likely Pathoenic
SCN1A	2	166848072	G	C	1905	P	A	0.952	Likely Pathoenic
SCN1A	2	166848072	G	T	1905	P	L	0.955	Likely Pathoenic
SCN1A	2	166848071	G	A	1905	P	L	0.977	Likely Pathoenic
SCN1A	2	166848071	G	C	1905	P	R	0.961	Likely Pathoenic
SCN1A	2	166848071	G	T	1905	P	Q	0.953	Likely Pathoenic
SCN1A	2	166848069	T	A	1906	I	F	0.978	Likely Pathoenic
SCN1A	2	166848069	T	C	1906	I	V	0.579	Likely Benian
SCN1A	2	166848069	T	G	1906	I	L	0.972	Likely Pathoenic
SCN1A	2	166848068	A	C	1906	I	S	0.977	Likely Pathoenic
SCN1A	2	166848068	A	G	1906	I	T	0.950	Likely Pathoenic
SCN1A	2	166848068	A	T	1906	I	N	0.978	Likely Pathoenic
SCN1A	2	166848067	G	C	1906	I	M	0.965	Likely Pathoenic
SCN1A	2	166848066	T	A	1907	T	S	0.477	Likely Benian
SCN1A	2	166848066	T	C	1907	T	A	0.670	Likely Benian
SCN1A	2	166848066	T	G	1907	T	P	0.964	Likely Pathoenic
SCN1A	2	166848065	G	A	1907	T	I	0.947	Likely Pathoenic
SCN1A	2	166848065	G	C	1907	T	S	0.544	Likely Benian
SCN1A	2	166848065	G	T	1907	T	N	0.948	Likely Pathoenic
SCN1A	2	166848063	T	A	1908	T	S	0.238	Likely Benian
SCN1A	2	166848063	T	C	1908	T	A	0.889	Likely Pathoenic
SCN1A	2	166848063	T	G	1908	T	P	0.942	Likely Pathoenic
SCN1A	2	166848062	G	A	1908	T	I	0.948	Likely Pathoenic
SCN1A	2	166848062	G	C	1908	T	S	0.240	Likely Benian
SCN1A	2	166848062	G	T	1908	T	N	0.918	Likely Pathoenic
SCN1A	2	166848060	T	A	1909	T	S	0.962	Likely Pathoenic
SCN1A	2	166848060	T	C	1909	T	A	0.976	Likely Pathoenic
SCN1A	2	166848060	T	G	1909	T	P	0.978	Likely Pathoenic
SCN1A	2	166848059	G	A	1909	T	I	0.962	Likely Pathoenic
SCN1A	2	166848059	G	C	1909	T	S	0.943	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166245940	T	G	1875	L	R	0.978	Likely Pathoenic
SCN2A	2	166245942	C	G	1876	R	G	0.884	Likely Pathoenic
SCN2A	2	166245943	G	A	1876	R	Q	0.693	Likely Benign
SCN2A	2	166245943	G	C	1876	R	P	0.792	Likely Pathoenic
SCN2A	2	166245943	G	T	1876	R	L	0.776	Likely Benign
SCN2A	2	166245945	A	C	1877	I	V	0.097	Likely Benign
SCN2A	2	166245945	A	G	1877	I	V	0.135	Likely Benign
SCN2A	2	166245945	A	T	1877	I	L	0.098	Likely Benign
SCN2A	2	166245946	T	A	1877	I	K	0.182	Likely Benign
SCN2A	2	166245946	T	C	1877	I	T	0.162	Likely Benign
SCN2A	2	166245946	T	G	1877	I	R	0.17	Likely Benign
SCN2A	2	166245947	A	G	1877	I	M	0.206	Likely Benign
SCN2A	2	166245948	C	A	1878	Q	K	0.866	Likely Pathogenic
SCN2A	2	166245948	C	G	1878	Q	E	0.312	Likely Benign
SCN2A	2	166245949	A	G	1878	Q	P	0.229	Likely Benign
SCN2A	2	166245949	A	G	1878	Q	R	0.622	Likely Benign
SCN2A	2	166245949	A	T	1878	Q	L	0.748	Likely Benign
SCN2A	2	166245950	G	T	1878	Q	H	0.833	Likely Pathogenic
SCN2A	2	166245950	G	T	1878	Q	H	0.829	Likely Pathogenic
SCN2A	2	166245951	A	C	1879	M	L	0.839	Likely Pathogenic
SCN2A	2	166245951	A	G	1879	M	V	0.845	Likely Pathogenic
SCN2A	2	166245951	A	T	1879	M	L	0.839	Likely Pathogenic
SCN2A	2	166245952	T	A	1879	M	K	0.974	Likely Pathogenic
SCN2A	2	166245952	T	C	1879	M	T	0.972	Likely Pathogenic
SCN2A	2	166245952	T	G	1879	M	R	0.974	Likely Pathogenic
SCN2A	2	166245953	G	A	1879	M	I	0.813	Likely Pathogenic
SCN2A	2	166245953	G	C	1879	M	I	0.815	Likely Pathogenic
SCN2A	2	166245953	G	T	1879	M	I	0.816	Likely Pathogenic
SCN2A	2	166245954	G	A	1880	E	K	0.964	Likely Pathogenic
SCN2A	2	166245954	G	C	1880	E	Q	0.947	Likely Pathogenic
SCN2A	2	166245954	G	T	1880	E	D	0.927	Likely Pathogenic
SCN2A	2	166245955	A	G	1880	E	G	0.968	Likely Pathogenic
SCN2A	2	166245955	A	T	1880	E	V	0.974	Likely Pathogenic
SCN2A	2	166245956	A	C	1880	E	D	0.766	Likely Benign
SCN2A	2	166245956	A	T	1880	E	D	0.765	Likely Benign
SCN2A	2	166245957	G	A	1881	E	K	0.514	Likely Benign
SCN2A	2	166245957	G	C	1881	E	Q	0.653	Likely Benign
SCN2A	2	166245958	A	C	1881	E	A	0.446	Likely Benign
SCN2A	2	166245958	A	G	1881	E	G	0.84	Likely Pathogenic
SCN2A	2	166245958	A	T	1881	E	V	0.72	Likely Benign
SCN2A	2	166245959	G	C	1881	E	D	0.203	Likely Benign
SCN2A	2	166245959	G	T	1881	E	D	0.203	Likely Benign
SCN2A	2	166245960	C	G	1882	R	G	0.532	Likely Benign
SCN2A	2	166245961	A	C	1882	R	Q	0.909	Likely Pathogenic
SCN2A	2	166245961	G	C	1882	R	P	0.861	Likely Pathogenic
SCN2A	2	166245961	G	T	1882	R	L	0.946	Likely Pathogenic
SCN2A	2	166245963	T	A	1883	F	I	0.969	Likely Pathogenic
SCN2A	2	166245963	T	C	1883	F	L	0.887	Likely Pathogenic
SCN2A	2	166245963	T	G	1883	F	V	0.921	Likely Pathogenic
SCN2A	2	166245964	T	A	1883	F	Y	0.894	Likely Pathogenic
SCN2A	2	166245964	T	C	1883	F	S	0.978	Likely Pathogenic
SCN2A	2	166245964	T	G	1883	F	C	0.974	Likely Pathogenic
SCN2A	2	166245965	C	A	1883	F	L	0.859	Likely Pathogenic
SCN2A	2	166245965	C	G	1883	F	L	0.857	Likely Pathogenic
SCN2A	2	166245966	A	C	1884	M	L	0.63	Likely Benign
SCN2A	2	166245966	A	G	1884	M	V	0.41	Likely Benign
SCN2A	2	166245966	A	T	1884	M	L	0.63	Likely Benign
SCN2A	2	166245967	T	A	1884	M	K	0.839	Likely Pathogenic
SCN2A	2	166245967	T	C	1884	M	T	0.88	Likely Pathogenic
SCN2A	2	166245967	T	G	1884	M	R	0.879	Likely Pathogenic
SCN2A	2	166245968	G	A	1884	M	I	0.715	Likely Benign
SCN2A	2	166245968	G	C	1884	M	I	0.709	Likely Benign
SCN2A	2	166245968	G	T	1884	M	I	0.712	Likely Benign
SCN2A	2	166245969	G	A	1885	A	T	0.473	Likely Benign
SCN2A	2	166245969	G	C	1885	A	P	0.697	Likely Benign
SCN2A	2	166245969	G	T	1885	A	S	0.245	Likely Benign
SCN2A	2	166245970	C	A	1885	A	E	0.265	Likely Benign
SCN2A	2	166245970	C	G	1885	A	G	0.5	Likely Benign
SCN2A	2	166245970	C	T	1885	A	V	0.306	Likely Benign
SCN2A	2	166245972	T	A	1886	S	T	0.222	Likely Benign
SCN2A	2	166245972	T	C	1886	S	P	0.51	Likely Benign
SCN2A	2	166245972	T	G	1886	S	A	0.103	Likely Benign
SCN2A	2	166245973	C	T	1886	S	L	0.795	Likely Pathogenic
SCN2A	2	166245975	A	C	1887	N	H	0.848	Likely Pathogenic
SCN2A	2	166245975	A	G	1887	N	D	0.946	Likely Pathogenic
SCN2A	2	166245975	A	T	1887	N	Y	0.968	Likely Pathogenic
SCN2A	2	166245976	A	C	1887	N	T	0.929	Likely Pathogenic
SCN2A	2	166245976	A	G	1887	N	S	0.926	Likely Pathogenic
SCN2A	2	166245976	A	T	1887	N	I	0.97	Likely Pathogenic
SCN2A	2	166245977	C	A	1887	N	K	0.872	Likely Pathogenic
SCN2A	2	166245977	C	G	1887	N	K	0.873	Likely Pathogenic
SCN2A	2	166245978	A	C	1888	P	T	0.962	Likely Pathogenic
SCN2A	2	166245978	C	G	1888	P	A	0.958	Likely Pathogenic
SCN2A	2	166245978	C	T	1888	P	S	0.978	Likely Pathogenic
SCN2A	2	166245979	C	A	1888	P	H	0.977	Likely Pathogenic
SCN2A	2	166245979	C	G	1888	P	R	0.977	Likely Pathogenic
SCN2A	2	166245979	C	T	1888	P	L	0.892	Likely Pathogenic
SCN2A	2	166245981	A	C	1889	T	T	0.857	Likely Pathogenic
SCN2A	2	166245981	T	C	1889	S	P	0.969	Likely Pathogenic
SCN2A	2	166245981	T	G	1889	S	A	0.933	Likely Pathogenic
SCN2A	2	166245982	C	A	1889	S	Y	0.969	Likely Pathogenic
SCN2A	2	166245982	C	G	1889	S	C	0.968	Likely Pathogenic
SCN2A	2	166245982	C	T	1889	S	F	0.908	Likely Pathogenic
SCN2A	2	166245984	A	G	1890	M	V	0.963	Likely Pathogenic
SCN2A	2	166245984	A	G	1890	K	E	0.807	Likely Pathogenic
SCN2A	2	166245985	A	C	1890	K	T	0.906	Likely Pathogenic
SCN2A	2	166245985	A	G	1890	K	R	0.847	Likely Pathogenic
SCN2A	2	166245985	A	T	1890	K	I	0.966	Likely Pathogenic
SCN2A	2	166245986	A	T	1890	K	N	0.965	Likely Pathogenic
SCN2A	2	166245986	A	T	1890	K	N	0.966	Likely Pathogenic
SCN2A	2	166245987	A	G	1891	V	I	0.204	Likely Benign
SCN2A	2	166245987	G	C	1891	V	L	0.462	Likely Benign
SCN2A	2	166245987	G	T	1891	V	F	0.881	Likely Pathogenic
SCN2A	2	166245988	A	T	1891	V	D	0.838	Likely Pathogenic
SCN2A	2	166245988	T	C	1891	V	A	0.159	Likely Benign
SCN2A	2	166245988	T	G	1891	V	G	0.766	Likely Benign
SCN2A	2	166245990	A	G	1892	S	T	0.844	Likely Pathogenic
SCN2A	2	166245990	T	C	1892	S	P	0.945	Likely Pathogenic
SCN2A	2	166245990	T	G	1892	S	A	0.866	Likely Pathogenic
SCN2A	2	166245991	C	A	1892	S	Y	0.945	Likely Pathogenic
SCN2A	2	166245991	C	G	1892	S	C	0.943	Likely Pathogenic
SCN2A	2	166245991	C	T	1892	S	F	0.929	Likely Pathogenic
SCN2A	2	166245993	T	A	1893	Y	N	0.962	Likely Pathogenic
SCN2A	2	166245993	T	C	1893	Y	H	0.85	Likely Pathogenic
SCN2A	2	166245993	T	G	1893	Y	D	0.972	Likely Pathogenic
SCN2A	2	166245994	A	C	1893	Y	S	0.971	Likely Pathogenic
SCN2A	2	166245994	A	G	1893	Y	C	0.966	Likely Pathogenic
SCN2A	2	166245994	A	T	1893	Y	F	0.769	Likely Benign
SCN2A	2	166245996	G	A	1894	E	K	0.953	Likely Pathogenic
SCN2A	2	166245996	G	C	1894	E	Q	0.924	Likely Pathogenic
SCN2A	2	166245997	A	C	1894	E	A	0.958	Likely Pathogenic
SCN2A	2	166245997	A	G	1894	E	G	0.974	Likely Pathogenic
SCN2A	2	166245997	A	T	1894	E	V	0.953	Likely Pathogenic
SCN2A	2	166245998	G	C	1894	E	D	0.918	Likely Pathogenic
SCN2A	2	166245998	G	T	1894	E	D	0.918	Likely Pathogenic
SCN2A	2	166245999	A	C	1895	N	T	0.91	Likely Pathogenic
SCN2A	2	166245999	C	G	1895	P	A	0.884	Likely Pathogenic
SCN2A	2	166245999	C	T	1895	P	S	0.922	Likely Pathogenic
SCN2A	2	166246000	A	C	1895	P	H	0.945	Likely Pathogenic
SCN2A	2	166246000	C	G	1895	P	R	0.915	Likely Pathogenic
SCN2A	2	166246000	C	T	1895	P	L	0.963	Likely Pathogenic
SCN2A	2	166246002	A	C	1896	I	L	0.907	Likely Pathogenic
SCN2A	2	166246002	A	G	1896	I	V	0.382	Likely Benign
SCN2A	2	166246002	A	T	1896	I	F	0.96	Likely Pathogenic
SCN2A	2	166246003	T	A	1896	I	N	0.969	Likely Pathogenic
SCN2A	2	166246003	T	C	1896	I	T	0.921	Likely Pathogenic
SCN2A	2	166246003	T	G	1896	I	S	0.966	Likely Pathogenic
SCN2A	2	166246004	T	G	1896	I	M	0.94	Likely Pathogenic
SCN2A	2	166246005	A	C	1897	T	P	0.944	Likely Pathogenic
SCN2A	2	166246005	A	G	1897	T	A	0.692	Likely Benign
SCN2A	2	166246005	A	T	1897	T	S	0.542	Likely Benign
SCN2A	2	166246006	C	A	1897	T	K	0.934	Likely Pathogenic
SCN2A	2	166246006	C	G	1897	T	R	0.929	Likely Pathogenic
SCN2A	2	166246006	C	T	1897	T	M	0.919	Likely Pathogenic
SCN2A	2	166246008	A	C	1898	T	P	0.924	Likely Pathogenic
SCN2A	2	166246008	A	G	1898	T	A	0.864	Likely Pathogenic
SCN2A	2	166246008	A	T	1898	T	S	0.238	Likely Benign
SCN2A	2	166246009	C	A	1898	T	N	0.921	Likely Pathogenic
SCN2A	2	166246009	C	G	1898	T	S	0.203	Likely Benign
SCN2A	2	166246009	C	T	1898	T	I	0.945	Likely Pathogenic
SCN2A	2	166246011	A	C	1899	T	P	0.977	Likely Pathogenic
SCN2A	2	166246011	A	G	1899	T	A	0.97	Likely Pathogenic
SCN2A	2	166246011	A	T	1899	T	S	0.934	Likely Pathogenic
SCN2A	2	166246012	C	A	1899	T	K	0.971	Likely Pathogenic
SCN2A	2	166246012	C	G	1899	T	R	0.972	Likely Pathogen

GENE	CHR	DNA_LOC	REF_N T	ALT_N NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166848059	G	T	1909	T	N	0.973	Likely Pathoenic
SCN1A	2	166848057	A	C	1910	L	V	0.865	Likely Pathoenic
SCN1A	2	166848057	A	T	1910	L	I	0.869	Likely Pathoenic
SCN1A	2	166848056	A	G	1910	L	S	0.958	Likely Pathoenic
SCN1A	2	166848055	T	A	1910	L	F	0.934	Likely Pathoenic
SCN1A	2	166848055	T	G	1910	L	F	0.934	Likely Pathoenic
SCN1A	2	166848054	T	C	1911	K	E	0.477	Likely Benian
SCN1A	2	166848054	T	G	1911	K	Q	0.438	Likely Benian
SCN1A	2	166848053	A	G	1911	K	I	0.696	Likely Benian
SCN1A	2	166848053	T	C	1911	K	R	0.095	Likely Benian
SCN1A	2	166848053	T	G	1911	K	T	0.750	Likely Benian
SCN1A	2	166848052	A	T	1911	K	N	0.780	Likely Benian
SCN1A	2	166848052	T	G	1911	K	N	0.780	Likely Benian
SCN1A	2	166848051	G	C	1912	R	G	0.934	Likely Pathoenic
SCN1A	2	166848050	C	A	1912	R	L	0.938	Likely Pathoenic
SCN1A	2	166848050	C	G	1912	R	P	0.957	Likely Pathoenic
SCN1A	2	166848050	C	T	1912	R	Q	0.939	Likely Pathoenic
SCN1A	2	166848048	T	C	1913	K	E	0.920	Likely Pathoenic
SCN1A	2	166848048	T	G	1913	K	Q	0.628	Likely Benian
SCN1A	2	166848047	T	A	1913	K	I	0.963	Likely Pathoenic
SCN1A	2	166848047	T	C	1913	K	R	0.462	Likely Benian
SCN1A	2	166848047	T	G	1913	K	T	0.907	Likely Pathoenic
SCN1A	2	166848046	T	A	1913	K	N	0.891	Likely Pathoenic
SCN1A	2	166848046	T	G	1913	K	N	0.896	Likely Pathoenic
SCN1A	2	166848045	G	C	1914	Q	E	0.523	Likely Benian
SCN1A	2	166848045	G	T	1914	Q	K	0.778	Likely Benian
SCN1A	2	166848044	T	A	1914	Q	L	0.802	Likely Pathoenic
SCN1A	2	166848044	T	C	1914	Q	R	0.467	Likely Benian
SCN1A	2	166848044	T	G	1914	Q	P	0.936	Likely Pathoenic
SCN1A	2	166848043	T	A	1914	Q	H	0.388	Likely Benian
SCN1A	2	166848043	T	G	1914	Q	H	0.387	Likely Benian
SCN1A	2	166848042	C	G	1915	E	Q	0.945	Likely Pathoenic
SCN1A	2	166848042	C	T	1915	E	K	0.970	Likely Pathoenic
SCN1A	2	166848041	C	A	1915	E	V	0.982	Likely Pathoenic
SCN1A	2	166848041	T	C	1915	E	G	0.981	Likely Pathoenic
SCN1A	2	166848041	T	G	1915	E	A	0.972	Likely Pathoenic
SCN1A	2	166848040	C	A	1915	E	D	0.951	Likely Pathoenic
SCN1A	2	166848040	C	G	1915	E	D	0.949	Likely Pathoenic
SCN1A	2	166848039	C	G	1916	E	Q	0.909	Likely Pathoenic
SCN1A	2	166848039	C	T	1916	E	K	0.952	Likely Pathoenic
SCN1A	2	166848038	T	A	1916	E	V	0.923	Likely Pathoenic
SCN1A	2	166848038	T	C	1916	E	G	0.942	Likely Pathoenic
SCN1A	2	166848038	T	G	1916	E	A	0.831	Likely Pathoenic
SCN1A	2	166848037	A	T	1916	E	D	0.277	Likely Benian
SCN1A	2	166848037	T	G	1916	E	D	0.272	Likely Benian
SCN1A	2	166848036	C	A	1917	V	L	0.224	Likely Benian
SCN1A	2	166848036	C	G	1917	V	L	0.230	Likely Benian
SCN1A	2	166848036	C	T	1917	V	I	0.260	Likely Benian
SCN1A	2	166848035	A	C	1917	V	G	0.920	Likely Pathoenic
SCN1A	2	166848035	A	G	1917	V	A	0.414	Likely Benian
SCN1A	2	166848035	A	T	1917	V	E	0.784	Likely Pathoenic
SCN1A	2	166848033	A	C	1918	S	A	0.184	Likely Benian
SCN1A	2	166848033	A	G	1918	S	P	0.937	Likely Pathoenic
SCN1A	2	166848033	A	T	1918	S	T	0.918	Likely Pathoenic
SCN1A	2	166848032	G	A	1918	S	F	0.962	Likely Pathoenic
SCN1A	2	166848032	G	C	1918	S	C	0.698	Likely Benian
SCN1A	2	166848032	G	T	1918	S	Y	0.958	Likely Pathoenic
SCN1A	2	166848030	C	A	1919	A	S	0.978	Likely Pathoenic
SCN1A	2	166848030	C	G	1919	A	P	0.984	Likely Pathoenic
SCN1A	2	166848030	C	T	1919	A	T	0.983	Likely Pathoenic
SCN1A	2	166848029	G	A	1919	A	V	0.781	Likely Benian
SCN1A	2	166848029	G	C	1919	A	G	0.975	Likely Pathoenic
SCN1A	2	166848029	G	T	1919	A	D	0.983	Likely Pathoenic
SCN1A	2	166848027	C	A	1920	V	F	0.764	Likely Benian
SCN1A	2	166848027	C	G	1920	V	L	0.448	Likely Benian
SCN1A	2	166848027	C	T	1920	V	I	0.177	Likely Benian
SCN1A	2	166848026	A	C	1920	V	G	0.708	Likely Benian
SCN1A	2	166848026	A	G	1920	V	A	0.197	Likely Benian
SCN1A	2	166848026	A	T	1920	V	D	0.874	Likely Pathoenic
SCN1A	2	166848024	T	A	1921	I	F	0.864	Likely Pathoenic
SCN1A	2	166848024	T	C	1921	I	V	0.132	Likely Benian
SCN1A	2	166848024	T	G	1921	I	L	0.316	Likely Benian
SCN1A	2	166848023	A	C	1921	I	S	0.880	Likely Pathoenic
SCN1A	2	166848023	A	G	1921	I	T	0.586	Likely Benian
SCN1A	2	166848023	A	T	1921	I	N	0.912	Likely Pathoenic
SCN1A	2	166848022	A	C	1921	I	M	0.520	Likely Benian
SCN1A	2	166848021	T	A	1922	I	F	0.980	Likely Pathoenic
SCN1A	2	166848021	T	C	1922	I	V	0.910	Likely Pathoenic
SCN1A	2	166848021	T	G	1922	I	L	0.892	Likely Pathoenic
SCN1A	2	166848020	A	C	1922	I	S	0.985	Likely Pathoenic
SCN1A	2	166848020	A	G	1922	I	T	0.984	Likely Pathoenic
SCN1A	2	166848020	A	T	1922	I	N	0.985	Likely Pathoenic
SCN1A	2	166848019	A	C	1922	I	M	0.981	Likely Pathoenic
SCN1A	2	166848018	G	C	1923	Q	E	0.980	Likely Pathoenic
SCN1A	2	166848018	G	T	1923	Q	K	0.981	Likely Pathoenic
SCN1A	2	166848017	T	A	1923	Q	L	0.983	Likely Pathoenic
SCN1A	2	166848017	T	C	1923	Q	R	0.978	Likely Pathoenic
SCN1A	2	166848017	T	G	1923	Q	P	0.982	Likely Pathoenic
SCN1A	2	166848016	C	A	1923	Q	H	0.974	Likely Pathoenic
SCN1A	2	166848016	C	G	1923	Q	H	0.974	Likely Pathoenic
SCN1A	2	166848015	G	A	1924	R	C	0.968	Likely Pathoenic
SCN1A	2	166848015	G	C	1924	R	G	0.944	Likely Pathoenic
SCN1A	2	166848015	G	T	1924	R	S	0.830	Likely Pathoenic
SCN1A	2	166848014	C	A	1924	R	L	0.963	Likely Pathoenic
SCN1A	2	166848014	C	G	1924	R	P	0.966	Likely Pathoenic
SCN1A	2	166848014	C	T	1924	R	H	0.754	Likely Benian
SCN1A	2	166848012	C	A	1925	A	S	0.659	Likely Benian
SCN1A	2	166848012	C	G	1925	A	P	0.932	Likely Pathoenic
SCN1A	2	166848012	C	T	1925	A	T	0.835	Likely Pathoenic
SCN1A	2	166848011	G	A	1925	A	V	0.929	Likely Pathoenic
SCN1A	2	166848011	G	C	1925	A	G	0.927	Likely Pathoenic
SCN1A	2	166848011	G	T	1925	A	D	0.940	Likely Pathoenic
SCN1A	2	166848009	A	C	1926	Y	D	0.951	Likely Pathoenic
SCN1A	2	166848009	A	G	1926	Y	H	0.901	Likely Pathoenic
SCN1A	2	166848009	A	T	1926	Y	N	0.944	Likely Pathoenic
SCN1A	2	166848008	T	A	1926	Y	F	0.187	Likely Benian
SCN1A	2	166848008	T	C	1926	Y	C	0.948	Likely Pathoenic
SCN1A	2	166848008	T	G	1926	Y	S	0.952	Likely Pathoenic
SCN1A	2	166848006	T	C	1927	R	G	0.974	Likely Pathoenic
SCN1A	2	166848005	C	A	1927	R	I	0.981	Likely Pathoenic
SCN1A	2	166848005	C	G	1927	R	T	0.982	Likely Pathoenic
SCN1A	2	166848005	C	T	1927	R	K	0.725	Likely Benian
SCN1A	2	166848004	T	A	1927	R	S	0.975	Likely Pathoenic
SCN1A	2	166848004	T	G	1927	R	S	0.975	Likely Pathoenic
SCN1A	2	166848003	G	A	1928	R	C	0.554	Likely Benian
SCN1A	2	166848003	G	C	1928	R	G	0.289	Likely Benian
SCN1A	2	166848002	A	G	1928	R	L	0.731	Likely Benian
SCN1A	2	166848002	C	G	1928	R	P	0.702	Likely Benian
SCN1A	2	166848002	C	T	1928	R	H	0.297	Likely Benian
SCN1A	2	166848000	A	G	1929	H	Y	0.091	Likely Benian
SCN1A	2	166848000	G	C	1929	H	D	0.859	Likely Pathoenic
SCN1A	2	166848000	G	T	1929	H	N	0.730	Likely Benian
SCN1A	2	166847999	T	A	1929	H	L	0.680	Likely Benian
SCN1A	2	166847999	T	C	1929	H	R	0.617	Likely Benian
SCN1A	2	166847999	T	G	1929	H	P	0.894	Likely Pathoenic
SCN1A	2	166847998	G	C	1929	H	Q	0.851	Likely Pathoenic
SCN1A	2	166847998	G	T	1929	H	Q	0.849	Likely Pathoenic
SCN1A	2	166847997	G	A	1930	L	V	0.718	Likely Benian
SCN1A	2	166847997	G	C	1930	L	V	0.436	Likely Benian
SCN1A	2	166847997	G	T	1930	L	I	0.496	Likely Benian
SCN1A	2	166847996	A	C	1930	L	R	0.279	Likely Benian
SCN1A	2	166847996	A	G	1930	L	P	0.907	Likely Pathoenic
SCN1A	2	166847996	A	T	1930	L	H	0.838	Likely Pathoenic
SCN1A	2	166847994	A	C	1931	L	V	0.444	Likely Benian
SCN1A	2	166847994	A	T	1931	L	I	0.333	Likely Benian
SCN1A	2	166847993	A	G	1931	L	S	0.862	Likely Pathoenic
SCN1A	2	166847992	T	A	1931	L	F	0.460	Likely Benian
SCN1A	2	166847992	T	G	1931	L	F	0.459	Likely Benian
SCN1A	2	166847991	C	T	1932	K	E	0.439	Likely Benian
SCN1A	2	166847991	T	G	1932	K	Q	0.178	Likely Benian
SCN1A	2	166847990	T	A	1932	K	M	0.813	Likely Pathoenic
SCN1A	2	166847990	T	C	1932	K	R	0.078	Likely Benian
SCN1A	2	166847990	T	G	1932	K	T	0.764	Likely Benian
SCN1A	2	166847989	C	A	1932	K	N	0.622	Likely Benian
SCN1A	2	166847989	C	G	1932	K	N	0.612	Likely Benian
SCN1A	2	166847988	G	C	1933	R	G	0.365	Likely Benian
SCN1A	2	166847987	C	A	1933	R	L	0.422	Likely Benian
SCN1A	2	166847987	C	G	1933	R	P	0.553	Likely Benian
SCN1A	2	166847987	C	T	1933	R	Q	0.126	Likely Benian
SCN1A	2	166847985	T	A	1934	T	S	0.100	Likely Benian
SCN1A	2	166847985	T	C	1934	T	A	0.133	Likely Benian
SCN1A	2	166847985	T	G	1934	T	P	0.420	Likely Benian
SCN1A	2	166847984	G	A	1934	T	I	0.368	Likely Benian
SCN1A	2	166847984	G	C	1934	T	S	0.209	Likely Benian
SCN1A	2	166847984	G	T	1934	T	N	0.165	Likely Benian
SCN1A	2	166847982	C	A	1935	V	L	0.174	Likely Benian
SCN1A	2	166847982	C	G	1935	V	L	0.174	Likely Benian
SCN1A	2	166847982	C	T	1935	V	I	0.135	Likely Benian
SCN1A	2	166847981	A	C	1935	V	G	0.402	Likely Benian
SCN1A	2	166847981	A	G	1935	V	A	0.357	Likely Benian
SCN1A	2	166847981	A	T	1935	V	E	0.602	Likely Benian
SCN1A	2	166847979	T	C	1936	K	E	0.597	Likely Benian
SCN1A	2	166847979	T	G	1936	K	Q	0.855	Likely Pathoenic
SCN1A	2	166847978	T	A	1936	K	I	0.651	Likely Benian
SCN1A	2	166847978	T	C	1936	K	R	0.269	Likely Benian
SCN1A	2	166847978	T	G	1936	K	T	0.648	Likely Benian
SCN1A	2	166847977	T	A	1936	K	N	0.743	Likely Benian
SCN1A	2	166847977	T	G	1936	K	N	0.741	Likely Benian
SCN1A	2	166847976	G	C	1937	Q	E	0.175	Likely Benian
SCN1A	2	166847976	G	T	1937	Q	K	0.085	Likely Benian
SCN1A	2	166847975	T	A	1937	Q	L	0.194	Likely Benian
SCN1A	2	166847975	T	C	1937	Q	R	0.168	Likely Benian
SCN1A	2	166847975	T	G	1937	Q	P	0.274	Likely Benian
SCN1A	2	166847974	T	A	1937	Q	H	0.130	Likely Benian
SCN1A	2	166847974	T	G	1937	Q	H	0.130	Likely Benian
SCN1A	2	166847973	C	A	1938	A	S	0.459	Likely Benian
SCN1A	2	166847973	C	G	1938	A	P	0.476	Likely Benian
SCN1A	2	166847973	C	T	1938	A	T	0.368	Likely Benian
SCN1A	2	166847972	G	A	1938	A	V	0.179	Likely Benian
SCN1A	2	166847972	G	C	1938	A	G	0.255	Likely Benian
SCN1A	2	166847972	G	T	1938	A	D	0.293	Likely Benian
SCN1A	2	166847970	A	C	1939	S	A	0.754	Likely Benian
SCN1A	2	166847970	A	G	1939	S	P	0.730	Likely Benian
SCN1A	2	166847970	A	T	1939	S	T	0.784	Likely Pathoenic
SCN1A	2	166847969	G	A	1939	S	F	0.918	Likely Pathoenic
SCN1A	2	166847969	G	C	1939	S	C	0.876	Likely Pathoenic
SCN1A	2	166847969	G	T	1939	S	Y	0.930	Likely Pathoenic

GENE	CHR	DNA_LOC	REF_N NT	ALT_N NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166246028	A	C	1904	Q	H	0.517	Likely Benign
SCN2A	2	166246028	A	T	1904	Q	H	0.516	Likely Benign
SCN2A	2	166246029	G	A	1905	E	K	0.93	Likely Pathogenic
SCN2A	2	166246029	G	C	1905	E	Q	0.914	Likely Pathogenic
SCN2A	2	166246030	A	C	1905	E	A	0.96	Likely Pathogenic
SCN2A	2	166246030	A	G	1905	E	G	0.964	Likely Pathogenic
SCN2A	2	166246030	A	T	1905	E	V	0.967	Likely Pathogenic
SCN2A	2	166246031	G	C	1905	E	D	0.938	Likely Pathogenic
SCN2A	2	166246031	G	T	1905	E	D	0.941	Likely Pathogenic
SCN2A	2	166246032	G	A	1906	E	K	0.749	Likely Benign
SCN2A	2	166246032	G	C	1906	E	Q	0.653	Likely Benign
SCN2A	2	166246033	A	G	1906	E	A	0.642	Likely Benign
SCN2A	2	166246033	A	G	1906	E	G	0.869	Likely Pathogenic
SCN2A	2	166246033	A	T	1906	E	V	0.907	Likely Pathogenic
SCN2A	2	166246034	G	C	1906	E	D	0.356	Likely Benign
SCN2A	2	166246034	G	T	1906	E	D	0.357	Likely Benign
SCN2A	2	166246035	G	A	1907	V	M	0.232	Likely Benign
SCN2A	2	166246035	G	T	1907	V	E	0.169	Likely Benign
SCN2A	2	166246035	G	T	1907	V	L	0.169	Likely Benign
SCN2A	2	166246036	T	A	1907	V	E	0.621	Likely Benign
SCN2A	2	166246036	T	C	1907	V	A	0.337	Likely Benign
SCN2A	2	166246036	T	G	1907	V	G	0.833	Likely Pathogenic
SCN2A	2	166246038	T	A	1908	S	T	0.795	Likely Pathogenic
SCN2A	2	166246038	T	C	1908	S	P	0.876	Likely Pathogenic
SCN2A	2	166246038	T	G	1908	S	A	0.183	Likely Benign
SCN2A	2	166246039	C	A	1908	S	Y	0.918	Likely Pathogenic
SCN2A	2	166246039	C	G	1908	S	C	0.473	Likely Benign
SCN2A	2	166246039	C	T	1908	S	F	0.925	Likely Pathogenic
SCN2A	2	166246041	G	A	1909	A	T	0.919	Likely Pathogenic
SCN2A	2	166246041	G	C	1909	A	P	0.901	Likely Pathogenic
SCN2A	2	166246041	G	T	1909	A	S	0.882	Likely Pathogenic
SCN2A	2	166246042	C	A	1909	A	D	0.948	Likely Pathogenic
SCN2A	2	166246042	C	G	1909	A	G	0.942	Likely Pathogenic
SCN2A	2	166246042	C	T	1909	A	V	0.79	Likely Pathogenic
SCN2A	2	166246044	A	C	1910	I	L	0.193	Likely Benign
SCN2A	2	166246044	A	G	1910	I	V	0.096	Likely Benign
SCN2A	2	166246044	A	T	1910	I	F	0.27	Likely Benign
SCN2A	2	166246045	T	A	1910	I	N	0.277	Likely Benign
SCN2A	2	166246045	T	C	1910	I	T	0.132	Likely Benign
SCN2A	2	166246045	T	G	1910	I	S	0.204	Likely Benign
SCN2A	2	166246046	T	G	1910	I	M	0.22	Likely Benign
SCN2A	2	166246047	A	C	1911	I	L	0.162	Likely Benign
SCN2A	2	166246047	A	G	1911	I	V	0.126	Likely Benign
SCN2A	2	166246047	A	T	1911	I	F	0.363	Likely Benign
SCN2A	2	166246048	T	A	1911	I	N	0.65	Likely Benign
SCN2A	2	166246048	T	C	1911	I	T	0.245	Likely Benign
SCN2A	2	166246048	T	G	1911	I	S	0.49	Likely Benign
SCN2A	2	166246049	T	G	1911	I	M	0.239	Likely Benign
SCN2A	2	166246050	A	C	1912	I	L	0.532	Likely Benign
SCN2A	2	166246050	A	G	1912	I	V	0.645	Likely Benign
SCN2A	2	166246050	A	T	1912	I	F	0.916	Likely Pathogenic
SCN2A	2	166246051	T	A	1912	I	N	0.963	Likely Pathogenic
SCN2A	2	166246051	T	C	1912	I	T	0.924	Likely Pathogenic
SCN2A	2	166246051	T	G	1912	I	S	0.958	Likely Pathogenic
SCN2A	2	166246052	C	G	1912	I	M	0.958	Likely Pathogenic
SCN2A	2	166246053	A	G	1913	Q	R	0.855	Likely Pathogenic
SCN2A	2	166246053	C	G	1913	Q	E	0.807	Likely Pathogenic
SCN2A	2	166246054	A	C	1913	Q	P	0.93	Likely Pathogenic
SCN2A	2	166246054	A	G	1913	Q	R	0.901	Likely Pathogenic
SCN2A	2	166246054	A	T	1913	Q	L	0.951	Likely Pathogenic
SCN2A	2	166246055	G	C	1913	Q	H	0.794	Likely Pathogenic
SCN2A	2	166246055	G	T	1913	Q	H	0.797	Likely Pathogenic
SCN2A	2	166246056	A	G	1914	R	G	0.92	Likely Pathogenic
SCN2A	2	166246056	A	T	1914	R	W	0.925	Likely Pathogenic
SCN2A	2	166246057	G	A	1914	R	K	0.331	Likely Benign
SCN2A	2	166246057	G	C	1914	R	T	0.837	Likely Pathogenic
SCN2A	2	166246057	G	T	1914	R	M	0.851	Likely Pathogenic
SCN2A	2	166246058	G	C	1914	R	S	0.677	Likely Benign
SCN2A	2	166246058	G	T	1914	R	S	0.685	Likely Benign
SCN2A	2	166246059	G	A	1915	A	T	0.537	Likely Benign
SCN2A	2	166246059	G	C	1915	A	P	0.766	Likely Benign
SCN2A	2	166246059	G	T	1915	A	S	0.342	Likely Benign
SCN2A	2	166246060	C	A	1915	A	D	0.807	Likely Pathogenic
SCN2A	2	166246060	C	G	1915	A	G	0.773	Likely Benign
SCN2A	2	166246060	C	T	1915	A	V	0.763	Likely Benign
SCN2A	2	166246062	T	A	1916	Y	N	0.789	Likely Pathogenic
SCN2A	2	166246062	T	C	1916	Y	H	0.656	Likely Benign
SCN2A	2	166246062	T	G	1916	Y	D	0.822	Likely Pathogenic
SCN2A	2	166246063	A	C	1916	Y	S	0.791	Likely Pathogenic
SCN2A	2	166246063	A	G	1916	Y	C	0.765	Likely Benign
SCN2A	2	166246063	A	T	1916	Y	F	0.193	Likely Benign
SCN2A	2	166246065	G	T	1917	R	G	0.887	Likely Pathogenic
SCN2A	2	166246066	G	A	1917	R	K	0.566	Likely Benign
SCN2A	2	166246066	G	C	1917	R	T	0.903	Likely Pathogenic
SCN2A	2	166246066	G	T	1917	R	I	0.934	Likely Pathogenic
SCN2A	2	166246067	A	C	1917	R	S	0.926	Likely Pathogenic
SCN2A	2	166246067	A	T	1917	R	S	0.927	Likely Pathogenic
SCN2A	2	166246068	C	A	1918	R	G	0.187	Likely Benign
SCN2A	2	166246068	C	G	1918	R	G	0.26	Likely Benign
SCN2A	2	166246068	C	T	1918	R	C	0.216	Likely Benign
SCN2A	2	166246069	G	A	1918	R	H	0.218	Likely Benign
SCN2A	2	166246069	G	C	1918	R	P	0.513	Likely Benign
SCN2A	2	166246069	G	T	1918	R	L	0.38	Likely Benign
SCN2A	2	166246071	A	T	1919	Y	N	0.759	Likely Benign
SCN2A	2	166246071	T	C	1919	Y	H	0.117	Likely Benign
SCN2A	2	166246071	T	G	1919	Y	D	0.673	Likely Benign
SCN2A	2	166246072	A	C	1919	Y	S	0.761	Likely Benign
SCN2A	2	166246072	A	G	1919	Y	C	0.707	Likely Benign
SCN2A	2	166246072	A	T	1919	Y	F	0.262	Likely Benign
SCN2A	2	166246074	C	A	1920	L	I	0.246	Likely Benign
SCN2A	2	166246074	C	G	1920	L	V	0.234	Likely Benign
SCN2A	2	166246074	C	T	1920	L	F	0.416	Likely Benign
SCN2A	2	166246075	T	A	1920	L	H	0.449	Likely Benign
SCN2A	2	166246075	T	C	1920	L	P	0.659	Likely Benign
SCN2A	2	166246075	T	G	1920	L	R	0.207	Likely Benign
SCN2A	2	166246077	T	A	1921	L	M	0.357	Likely Benign
SCN2A	2	166246077	T	G	1921	L	V	0.25	Likely Benign
SCN2A	2	166246078	T	C	1921	L	S	0.514	Likely Benign
SCN2A	2	166246078	T	G	1921	L	W	0.635	Likely Benign
SCN2A	2	166246079	G	C	1921	L	F	0.222	Likely Benign
SCN2A	2	166246079	G	T	1921	L	F	0.221	Likely Benign
SCN2A	2	166246080	A	C	1922	K	Q	0.138	Likely Benign
SCN2A	2	166246080	A	G	1922	K	E	0.346	Likely Benign
SCN2A	2	166246081	A	C	1922	K	T	0.424	Likely Benign
SCN2A	2	166246081	A	G	1922	K	R	0.078	Likely Benign
SCN2A	2	166246081	A	T	1922	K	M	0.54	Likely Benign
SCN2A	2	166246082	G	C	1922	K	N	0.343	Likely Benign
SCN2A	2	166246082	G	T	1922	K	N	0.344	Likely Benign
SCN2A	2	166246083	C	A	1923	Q	K	0.09	Likely Benign
SCN2A	2	166246083	C	G	1923	Q	E	0.166	Likely Benign
SCN2A	2	166246084	A	C	1923	Q	P	0.258	Likely Benign
SCN2A	2	166246084	A	G	1923	Q	R	0.065	Likely Benign
SCN2A	2	166246084	A	T	1923	Q	L	0.172	Likely Benign
SCN2A	2	166246085	A	C	1923	Q	H	0.163	Likely Benign
SCN2A	2	166246085	A	T	1923	Q	H	0.171	Likely Benign
SCN2A	2	166246086	A	C	1924	K	Q	0.097	Likely Benign
SCN2A	2	166246086	A	G	1924	K	E	0.108	Likely Benign
SCN2A	2	166246087	A	C	1924	K	T	0.058	Likely Benign
SCN2A	2	166246087	A	G	1924	K	R	0.089	Likely Benign
SCN2A	2	166246087	A	T	1924	K	I	0.167	Likely Benign
SCN2A	2	166246088	A	C	1924	K	N	0.1	Likely Benign
SCN2A	2	166246088	A	T	1924	K	N	0.099	Likely Benign
SCN2A	2	166246089	A	C	1925	V	I	0.126	Likely Benign
SCN2A	2	166246089	G	C	1925	V	L	0.148	Likely Benign
SCN2A	2	166246089	G	T	1925	V	F	0.208	Likely Benign
SCN2A	2	166246090	T	A	1925	V	D	0.438	Likely Benign
SCN2A	2	166246090	T	C	1925	V	A	0.239	Likely Benign
SCN2A	2	166246090	T	G	1925	V	G	0.283	Likely Benign
SCN2A	2	166246092	A	C	1926	K	Q	0.618	Likely Benign
SCN2A	2	166246092	A	G	1926	K	E	0.39	Likely Benign
SCN2A	2	166246093	A	C	1926	K	T	0.592	Likely Benign
SCN2A	2	166246093	A	G	1926	K	R	0.222	Likely Benign
SCN2A	2	166246093	A	T	1926	K	I	0.509	Likely Benign
SCN2A	2	166246094	A	C	1926	K	N	0.632	Likely Benign
SCN2A	2	166246094	A	T	1926	K	N	0.632	Likely Benign
SCN2A	2	166246095	A	C	1927	K	Q	0.126	Likely Benign
SCN2A	2	166246095	A	G	1927	K	E	0.195	Likely Benign
SCN2A	2	166246096	A	C	1927	K	T	0.192	Likely Benign
SCN2A	2	166246096	A	G	1927	K	R	0.128	Likely Benign
SCN2A	2	166246096	A	T	1927	K	M	0.314	Likely Benign
SCN2A	2	166246097	G	C	1927	K	N	0.135	Likely Benign
SCN2A	2	166246097	G	T	1927	K	N	0.134	Likely Benign
SCN2A	2	166246098	G	A	1928	V	I	0.116	Likely Benign
SCN2A	2	166246098	G	C	1928	V	L	0.158	Likely Benign
SCN2A	2	166246098	G	T	1928	V	L	0.159	Likely Benign
SCN2A	2	166246099	T	A	1928	V	E	0.187	Likely Benign
SCN2A	2	166246099	T	C	1928	V	A	0.043	Likely Benign
SCN2A	2	166246099	T	G	1928	V	G	0.179	Likely Benign
SCN2A	2	166246101	T	A	1929	S	T	0.219	Likely Benign
SCN2A	2	166246101	T	C	1929	S	P	0.208	Likely Benign
SCN2A	2	166246101	T	G	1929	S	A	0.214	Likely Benign
SCN2A	2

GENE	CHR	DNA_LOC	REF_N T	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166847967	A	C	1940	F	V	0.251	Likely Benien
SCN1A	2	166847967	A	G	1940	F	L	0.192	Likely Benien
SCN1A	2	166847967	A	T	1940	F	I	0.303	Likely Benien
SCN1A	2	166847966	A	C	1940	F	C	0.445	Likely Benien
SCN1A	2	166847966	A	G	1940	F	S	0.175	Likely Benien
SCN1A	2	166847966	A	T	1940	F	Y	0.180	Likely Benien
SCN1A	2	166847965	A	C	1940	F	L	0.191	Likely Benien
SCN1A	2	166847965	A	T	1940	F	L	0.192	Likely Benien
SCN1A	2	166847964	T	A	1941	T	S	0.159	Likely Benien
SCN1A	2	166847964	T	C	1941	T	A	0.134	Likely Benien
SCN1A	2	166847964	T	G	1941	T	P	0.209	Likely Benien
SCN1A	2	166847963	G	A	1941	T	M	0.105	Likely Benien
SCN1A	2	166847963	G	C	1941	T	R	0.206	Likely Benien
SCN1A	2	166847963	G	T	1941	T	K	0.186	Likely Benien
SCN1A	2	166847961	A	C	1942	Y	D	0.444	Likely Benien
SCN1A	2	166847961	A	G	1942	Y	H	0.326	Likely Benien
SCN1A	2	166847961	A	T	1942	Y	N	0.329	Likely Benien
SCN1A	2	166847960	T	A	1942	Y	F	0.335	Likely Benien
SCN1A	2	166847960	T	C	1942	Y	C	0.705	Likely Benien
SCN1A	2	166847960	T	G	1942	Y	S	0.371	Likely Benien
SCN1A	2	166847958	T	A	1943	N	Y	0.633	Likely Benien
SCN1A	2	166847958	T	C	1943	N	D	0.285	Likely Benien
SCN1A	2	166847958	T	G	1943	N	H	0.256	Likely Benien
SCN1A	2	166847957	T	A	1943	N	I	0.323	Likely Benien
SCN1A	2	166847957	T	C	1943	N	S	0.153	Likely Benien
SCN1A	2	166847957	T	G	1943	N	T	0.258	Likely Benien
SCN1A	2	166847956	A	C	1943	N	K	0.104	Likely Benien
SCN1A	2	166847956	A	T	1943	N	K	0.104	Likely Benien
SCN1A	2	166847955	T	C	1944	K	E	0.406	Likely Benien
SCN1A	2	166847955	T	G	1944	K	Q	0.300	Likely Benien
SCN1A	2	166847954	A	C	1944	K	I	0.737	Likely Benien
SCN1A	2	166847954	T	C	1944	K	R	0.340	Likely Benien
SCN1A	2	166847954	T	G	1944	K	T	0.653	Likely Benien
SCN1A	2	166847953	T	A	1944	K	N	0.456	Likely Benien
SCN1A	2	166847953	T	G	1944	K	N	0.450	Likely Benien
SCN1A	2	166847952	T	A	1945	N	Y	0.452	Likely Benien
SCN1A	2	166847952	T	C	1945	N	D	0.096	Likely Benien
SCN1A	2	166847952	T	G	1945	N	H	0.222	Likely Benien
SCN1A	2	166847951	T	A	1945	N	I	0.204	Likely Benien
SCN1A	2	166847951	T	C	1945	N	S	0.118	Likely Benien
SCN1A	2	166847951	T	G	1945	N	T	0.172	Likely Benien
SCN1A	2	166847950	G	C	1945	N	K	0.122	Likely Benien
SCN1A	2	166847950	G	T	1945	N	K	0.122	Likely Benien
SCN1A	2	166847949	T	A	1946	K	E	0.243	Likely Benien
SCN1A	2	166847949	T	G	1946	K	Q	0.230	Likely Benien
SCN1A	2	166847948	T	A	1946	K	I	0.354	Likely Benien
SCN1A	2	166847948	T	C	1946	K	R	0.202	Likely Benien
SCN1A	2	166847948	T	G	1946	K	T	0.322	Likely Benien
SCN1A	2	166847947	T	A	1946	K	N	0.274	Likely Benien
SCN1A	2	166847947	T	G	1946	K	N	0.250	Likely Benien
SCN1A	2	166847946	T	A	1947	I	F	0.122	Likely Benien
SCN1A	2	166847946	T	C	1947	I	V	0.110	Likely Benien
SCN1A	2	166847946	T	G	1947	I	L	0.070	Likely Benien
SCN1A	2	166847945	A	C	1947	I	S	0.060	Likely Benien
SCN1A	2	166847945	A	G	1947	I	T	0.097	Likely Benien
SCN1A	2	166847945	A	T	1947	I	N	0.110	Likely Benien
SCN1A	2	166847944	G	C	1947	I	M	0.110	Likely Benien
SCN1A	2	166847943	T	C	1948	K	E	0.156	Likely Benien
SCN1A	2	166847943	T	G	1948	K	Q	0.168	Likely Benien
SCN1A	2	166847942	T	A	1948	K	I	0.368	Likely Benien
SCN1A	2	166847942	T	C	1948	K	R	0.194	Likely Benien
SCN1A	2	166847942	T	G	1948	K	T	0.276	Likely Benien
SCN1A	2	166847941	A	C	1948	K	N	0.203	Likely Benien
SCN1A	2	166847941	T	G	1948	K	N	0.202	Likely Benien
SCN1A	2	166847940	C	A	1949	G	C	0.668	Likely Benien
SCN1A	2	166847940	C	G	1949	G	R	0.362	Likely Benien
SCN1A	2	166847940	C	T	1949	G	S	0.186	Likely Benien
SCN1A	2	166847939	C	A	1949	G	V	0.404	Likely Benien
SCN1A	2	166847939	C	G	1949	G	A	0.175	Likely Benien
SCN1A	2	166847939	C	T	1949	G	D	0.153	Likely Benien
SCN1A	2	166847937	C	A	1950	G	W	0.900	Likely Pathoaenic
SCN1A	2	166847937	C	G	1950	G	R	0.347	Likely Benien
SCN1A	2	166847937	C	T	1950	G	R	0.321	Likely Benien
SCN1A	2	166847936	C	A	1950	G	V	0.303	Likely Benien
SCN1A	2	166847936	C	G	1950	G	A	0.329	Likely Benien
SCN1A	2	166847936	C	T	1950	G	E	0.282	Likely Benien
SCN1A	2	166847934	C	A	1951	A	S	0.109	Likely Benien
SCN1A	2	166847934	C	G	1951	A	P	0.214	Likely Benien
SCN1A	2	166847934	C	T	1951	A	T	0.123	Likely Benien
SCN1A	2	166847933	G	A	1951	A	V	0.200	Likely Benien
SCN1A	2	166847933	G	C	1951	A	G	0.084	Likely Benien
SCN1A	2	166847933	G	T	1951	A	D	0.066	Likely Benien
SCN1A	2	166847931	T	A	1952	N	Y	0.444	Likely Benien
SCN1A	2	166847931	T	C	1952	N	D	0.102	Likely Benien
SCN1A	2	166847931	T	G	1952	N	H	0.181	Likely Benien
SCN1A	2	166847930	T	A	1952	N	I	0.244	Likely Benien
SCN1A	2	166847930	T	C	1952	N	S	0.076	Likely Benien
SCN1A	2	166847930	T	G	1952	N	T	0.177	Likely Benien
SCN1A	2	166847929	A	C	1952	N	K	0.112	Likely Benien
SCN1A	2	166847929	A	T	1952	N	K	0.112	Likely Benien
SCN1A	2	166847928	G	A	1953	L	F	0.240	Likely Benien
SCN1A	2	166847928	G	C	1953	L	V	0.157	Likely Benien
SCN1A	2	166847928	G	T	1953	L	I	0.200	Likely Benien
SCN1A	2	166847927	A	C	1953	L	R	0.337	Likely Benien
SCN1A	2	166847927	A	G	1953	L	P	0.252	Likely Benien
SCN1A	2	166847927	A	T	1953	L	H	0.360	Likely Benien
SCN1A	2	166847925	G	A	1954	L	F	0.253	Likely Benien
SCN1A	2	166847925	G	C	1954	L	V	0.201	Likely Benien
SCN1A	2	166847925	G	T	1954	L	I	0.158	Likely Benien
SCN1A	2	166847924	A	C	1954	L	R	0.248	Likely Benien
SCN1A	2	166847924	A	G	1954	L	P	0.071	Likely Benien
SCN1A	2	166847924	A	T	1954	L	H	0.250	Likely Benien
SCN1A	2	166847922	T	A	1955	I	L	0.151	Likely Benien
SCN1A	2	166847922	T	C	1955	I	V	0.104	Likely Benien
SCN1A	2	166847922	T	G	1955	I	L	0.151	Likely Benien
SCN1A	2	166847921	A	C	1955	I	R	0.182	Likely Benien
SCN1A	2	166847921	A	T	1955	I	K	0.164	Likely Benien
SCN1A	2	166847920	T	C	1955	I	M	0.139	Likely Benien
SCN1A	2	166847919	T	C	1956	K	E	0.358	Likely Benien
SCN1A	2	166847919	T	G	1956	K	Q	0.356	Likely Benien
SCN1A	2	166847918	T	A	1956	K	I	0.880	Likely Pathoaenic
SCN1A	2	166847918	T	C	1956	K	R	0.235	Likely Benien
SCN1A	2	166847918	T	G	1956	K	T	0.446	Likely Benien
SCN1A	2	166847917	A	C	1956	K	N	0.332	Likely Benien
SCN1A	2	166847917	T	G	1956	K	N	0.324	Likely Benien
SCN1A	2	166847916	C	G	1957	E	Q	0.251	Likely Benien
SCN1A	2	166847916	C	T	1957	E	K	0.363	Likely Benien
SCN1A	2	166847915	T	A	1957	E	V	0.602	Likely Benien
SCN1A	2	166847915	T	C	1957	E	G	0.406	Likely Benien
SCN1A	2	166847915	T	G	1957	E	A	0.601	Likely Benien
SCN1A	2	166847914	T	A	1957	E	D	0.263	Likely Benien
SCN1A	2	166847914	T	G	1957	E	D	0.258	Likely Benien
SCN1A	2	166847913	C	A	1958	D	Y	0.598	Likely Benien
SCN1A	2	166847913	C	G	1958	D	H	0.508	Likely Benien
SCN1A	2	166847913	C	T	1958	D	N	0.333	Likely Benien
SCN1A	2	166847912	T	A	1958	D	V	0.467	Likely Benien
SCN1A	2	166847912	T	C	1958	D	G	0.146	Likely Benien
SCN1A	2	166847912	T	G	1958	D	A	0.272	Likely Benien
SCN1A	2	166847911	G	C	1958	D	E	0.159	Likely Benien
SCN1A	2	166847911	G	T	1958	D	E	0.162	Likely Benien
SCN1A	2	166847910	T	A	1959	M	L	0.111	Likely Benien
SCN1A	2	166847910	T	C	1959	M	V	0.176	Likely Benien
SCN1A	2	166847910	T	G	1959	M	L	0.111	Likely Benien
SCN1A	2	166847909	A	C	1959	M	R	0.277	Likely Benien
SCN1A	2	166847909	A	G	1959	M	T	0.351	Likely Benien
SCN1A	2	166847909	A	T	1959	M	K	0.489	Likely Benien
SCN1A	2	166847908	C	A	1959	M	I	0.170	Likely Benien
SCN1A	2	166847908	C	G	1959	M	I	0.176	Likely Benien
SCN1A	2	166847908	C	T	1959	M	I	0.175	Likely Benien
SCN1A	2	166847907	T	A	1960	I	L	0.124	Likely Benien
SCN1A	2	166847907	T	C	1960	I	V	0.120	Likely Benien
SCN1A	2	166847907	T	G	1960	I	L	0.122	Likely Benien
SCN1A	2	166847906	A	C	1960	I	R	0.614	Likely Benien
SCN1A	2	166847906	A	G	1960	I	T	0.242	Likely Benien
SCN1A	2	166847906	A	T	1960	I	K	0.490	Likely Benien
SCN1A	2	166847905	T	C	1960	I	M	0.270	Likely Benien
SCN1A	2	166847904	T	A	1961	I	F	0.182	Likely Benien
SCN1A	2	166847904	T	C	1961	I	V	0.168	Likely Benien
SCN1A	2	166847904	T	G	1961	I	L	0.177	Likely Benien
SCN1A	2	166847903	A	C	1961	I	S	0.156	Likely Benien
SCN1A	2	166847903	A	G	1961	I	T	0.183	Likely Benien
SCN1A	2	166847903	A	T	1961	I	N	0.325	Likely Benien
SCN1A	2	166847902	A	C	1961	I	M	0.230	Likely Benien
SCN1A	2	166847901	C	A	1962	D	Y	0.464	Likely Benien
SCN1A	2	166847901	C	G	1962	D	H	0.635	Likely Benien
SCN1A	2	166847901	C	T	1962	D	N	0.283	Likely Benien
SCN1A	2	166847900	T	A	1962	D	V	0.449	Likely Benien
SCN1A	2	166847900	T	C	1962	D	G	0.156	Likely Benien
SCN1A	2	166847900	T	G	1962	D	A	0.297	Likely Benien
SCN1A	2	166847899	G	C	1962	D	E	0.190	Likely Benien
SCN1A	2	166847899	G	T	1962	D	E	0.188	Likely Benien
SCN1A	2	166847898	T	C	1963	R	G	0.258	Likely Benien
SCN1A	2	166847897	C	A	1963	R	I	0.238	Likely Benien
SCN1A	2	166847897	C	G	1963	R	T	0.169	Likely Benien
SCN1A	2	166847897	C	T	1963	R	K	0.052	Likely Benien
SCN1A	2	166847896	T	A	1963	R	S	0.150	Likely Benien
SCN1A	2	166847896	T	G	1963	R	S	0.145	Likely Benien
SCN1A	2	166847895	T	A	1964	I	L	0.049	Likely Benien
SCN1A	2	166847895	T	C	1964	I	V	0.080	Likely Benien
SCN1A	2	166847895	T	G	1964	I	L	0.049	Likely Benien
SCN1A	2	166847894	A	C	1964	I	R	0.360	Likely Benien
SCN1A	2	166847894	A	G	1964	I	T	0.163	Likely Benien
SCN1A	2	166847894	A	T	1964	I	K	0.221	Likely Benien
SCN1A	2	166847893	T	C	1964	I	M	0.100	Likely Benien
SCN1A	2	166847892	T	A	1965	N	Y	0.642	Likely Benien
SCN1A	2	166847892	T	C	1965	N	D	0.403	Likely Benien
SCN1A	2	166847892	T	G	1965	N	H	0.292	Likely Benien
SCN1A	2	166847891	T	A	1965	N	I	0.572	Likely Benien
SCN1A	2	166847891	T	C	1965	N	S	0.233	Likely Benien
SCN1A	2	166847891	T	G	1965	N	T	0.246	Likely Benien
SCN1A	2	166847890	A	C	1965	N	K	0.281	Likely Benien
SCN1A	2	166847890	A	T	1965	N	K	0.272	Likely Benien
SCN1A	2	166847889	C	G	1966	E	Q	0.284	Likely Benien
SCN1A	2	166847889	C	T	1966	E	K	0.298	Likely Benien
SCN1A	2	166847888	T	A	1966	E	V	0.533	Likely Benien
SCN1A	2	166847888	T	C	1966	E	G	0.152	Likely Benien
SCN1A	2	166847888	T	G	1966	E	A	0.283	Likely Benien

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166246114	A	T	1933	K	M	0.249	Likely Benign
SCN2A	2	166246115	G	C	1933	K	N	0.104	Likely Benign
SCN2A	2	166246115	G	T	1933	K	N	0.107	Likely Benign
SCN2A	2	166246116	A	C	1934	K	Q	0.124	Likely Benign
SCN2A	2	166246116	A	G	1934	K	E	0.176	Likely Benign
SCN2A	2	166246117	A	C	1934	K	T	0.226	Likely Benign
SCN2A	2	166246117	A	G	1934	K	R	0.203	Likely Benign
SCN2A	2	166246117	A	T	1934	K	I	0.269	Likely Benign
SCN2A	2	166246118	C	T	1934	K	N	0.214	Likely Benign
SCN2A	2	166246118	A	T	1934	K	N	0.214	Likely Benign
SCN2A	2	166246119	G	A	1935	D	N	0.097	Likely Benign
SCN2A	2	166246119	G	C	1935	D	H	0.186	Likely Benign
SCN2A	2	166246119	G	T	1935	D	Y	0.198	Likely Benign
SCN2A	2	166246120	A	C	1935	D	A	0.164	Likely Benign
SCN2A	2	166246120	A	G	1935	D	G	0.154	Likely Benign
SCN2A	2	166246120	A	T	1935	D	V	0.218	Likely Benign
SCN2A	2	166246121	C	A	1935	D	E	0.1	Likely Benign
SCN2A	2	166246121	C	G	1935	D	E	0.1	Likely Benign
SCN2A	2	166246122	A	C	1936	K	Q	0.17	Likely Benign
SCN2A	2	166246122	A	G	1936	K	E	0.167	Likely Benign
SCN2A	2	166246123	A	C	1936	K	T	0.174	Likely Benign
SCN2A	2	166246123	A	G	1936	K	R	0.167	Likely Benign
SCN2A	2	166246123	A	T	1936	K	I	0.216	Likely Benign
SCN2A	2	166246124	A	C	1936	K	N	0.182	Likely Benign
SCN2A	2	166246124	A	T	1936	K	N	0.182	Likely Benign
SCN2A	2	166246125	G	A	1937	G	S	0.116	Likely Benign
SCN2A	2	166246125	G	C	1937	G	R	0.197	Likely Benign
SCN2A	2	166246125	G	T	1937	G	C	0.191	Likely Benign
SCN2A	2	166246126	G	A	1937	G	D	0.114	Likely Benign
SCN2A	2	166246126	G	C	1937	G	A	0.146	Likely Benign
SCN2A	2	166246126	G	T	1937	G	V	0.177	Likely Benign
SCN2A	2	166246128	A	C	1938	K	Q	0.144	Likely Benign
SCN2A	2	166246128	A	G	1938	K	E	0.14	Likely Benign
SCN2A	2	166246128	A	T	1938	K	I	0.173	Likely Benign
SCN2A	2	166246129	A	G	1938	K	R	0.137	Likely Benign
SCN2A	2	166246129	A	T	1938	K	I	0.174	Likely Benign
SCN2A	2	166246130	A	C	1938	K	N	0.173	Likely Benign
SCN2A	2	166246130	A	T	1938	K	N	0.172	Likely Benign
SCN2A	2	166246131	G	A	1939	E	K	0.132	Likely Benign
SCN2A	2	166246131	G	C	1939	E	Q	0.126	Likely Benign
SCN2A	2	166246132	A	C	1939	E	A	0.117	Likely Benign
SCN2A	2	166246132	A	G	1939	E	G	0.05	Likely Benign
SCN2A	2	166246132	A	T	1939	E	V	0.108	Likely Benign
SCN2A	2	166246133	A	C	1939	E	D	0.062	Likely Benign
SCN2A	2	166246133	A	T	1939	E	D	0.063	Likely Benign
SCN2A	2	166246134	T	A	1940	C	S	0.074	Likely Benign
SCN2A	2	166246134	T	C	1940	C	R	0.087	Likely Benign
SCN2A	2	166246134	T	G	1940	C	G	0.029	Likely Benign
SCN2A	2	166246135	G	A	1940	C	Y	0.125	Likely Benign
SCN2A	2	166246135	G	C	1940	C	S	0.073	Likely Benign
SCN2A	2	166246135	G	T	1940	C	F	0.105	Likely Benign
SCN2A	2	166246136	T	G	1940	C	W	0.168	Likely Benign
SCN2A	2	166246137	G	A	1941	D	N	0.145	Likely Benign
SCN2A	2	166246137	G	C	1941	D	H	0.185	Likely Benign
SCN2A	2	166246137	G	T	1941	D	Y	0.206	Likely Benign
SCN2A	2	166246138	A	C	1941	D	A	0.125	Likely Benign
SCN2A	2	166246138	A	G	1941	D	G	0.116	Likely Benign
SCN2A	2	166246138	A	T	1941	D	V	0.176	Likely Benign
SCN2A	2	166246139	T	A	1941	D	E	0.127	Likely Benign
SCN2A	2	166246139	T	G	1941	D	E	0.127	Likely Benign
SCN2A	2	166246140	G	A	1942	G	R	0.13	Likely Benign
SCN2A	2	166246140	G	C	1942	G	R	0.13	Likely Benign
SCN2A	2	166246141	G	A	1942	G	E	0.106	Likely Benign
SCN2A	2	166246141	G	C	1942	G	A	0.135	Likely Benign
SCN2A	2	166246141	G	T	1942	G	V	0.131	Likely Benign
SCN2A	2	166246143	A	C	1943	T	P	0.099	Likely Benign
SCN2A	2	166246143	A	G	1943	T	A	0.071	Likely Benign
SCN2A	2	166246143	A	T	1943	T	S	0.07	Likely Benign
SCN2A	2	166246144	C	A	1943	T	K	0.131	Likely Benign
SCN2A	2	166246144	C	G	1943	T	R	0.118	Likely Benign
SCN2A	2	166246144	C	T	1943	T	I	0.102	Likely Benign
SCN2A	2	166246146	C	A	1944	P	T	0.18	Likely Benign
SCN2A	2	166246146	C	G	1944	P	A	0.175	Likely Benign
SCN2A	2	166246146	C	T	1944	P	S	0.21	Likely Benign
SCN2A	2	166246147	C	A	1944	P	H	0.268	Likely Benign
SCN2A	2	166246147	C	G	1944	P	R	0.182	Likely Benign
SCN2A	2	166246147	C	T	1944	P	L	0.14	Likely Benign
SCN2A	2	166246149	A	C	1945	I	L	0.15	Likely Benign
SCN2A	2	166246149	A	G	1945	I	V	0.113	Likely Benign
SCN2A	2	166246149	A	T	1945	I	F	0.2	Likely Benign
SCN2A	2	166246150	T	A	1945	I	N	0.147	Likely Benign
SCN2A	2	166246150	T	C	1945	I	T	0.099	Likely Benign
SCN2A	2	166246150	T	G	1945	I	S	0.113	Likely Benign
SCN2A	2	166246151	C	G	1945	I	M	0.141	Likely Benign
SCN2A	2	166246152	A	C	1946	K	Q	0.223	Likely Benign
SCN2A	2	166246152	A	G	1946	K	E	0.305	Likely Benign
SCN2A	2	166246153	A	C	1946	K	T	0.286	Likely Benign
SCN2A	2	166246153	A	G	1946	K	R	0.168	Likely Benign
SCN2A	2	166246153	A	T	1946	K	I	0.578	Likely Benign
SCN2A	2	166246154	A	C	1946	K	N	0.229	Likely Benign
SCN2A	2	166246154	A	T	1946	K	N	0.23	Likely Benign
SCN2A	2	166246155	G	A	1947	E	K	0.18	Likely Benign
SCN2A	2	166246155	G	C	1947	E	Q	0.157	Likely Benign
SCN2A	2	166246155	G	T	1947	E	D	0.269	Likely Benign
SCN2A	2	166246156	A	G	1947	E	G	0.258	Likely Benign
SCN2A	2	166246156	A	T	1947	E	V	0.411	Likely Benign
SCN2A	2	166246157	A	C	1947	E	D	0.192	Likely Benign
SCN2A	2	166246157	A	T	1947	E	D	0.196	Likely Benign
SCN2A	2	166246158	G	A	1948	D	N	0.165	Likely Benign
SCN2A	2	166246158	G	C	1948	D	H	0.196	Likely Benign
SCN2A	2	166246158	G	T	1948	D	Y	0.236	Likely Benign
SCN2A	2	166246159	A	C	1948	D	A	0.168	Likely Benign
SCN2A	2	166246159	A	G	1948	D	G	0.148	Likely Benign
SCN2A	2	166246159	A	T	1948	D	V	0.186	Likely Benign
SCN2A	2	166246160	T	A	1948	D	E	0.154	Likely Benign
SCN2A	2	166246160	T	G	1948	D	E	0.154	Likely Benign
SCN2A	2	166246161	A	C	1949	T	P	0.071	Likely Benign
SCN2A	2	166246161	A	G	1949	T	A	0.051	Likely Benign
SCN2A	2	166246161	A	T	1949	T	S	0.078	Likely Benign
SCN2A	2	166246162	C	A	1949	T	N	0.108	Likely Benign
SCN2A	2	166246162	C	G	1949	T	S	0.077	Likely Benign
SCN2A	2	166246162	C	T	1949	T	I	0.076	Likely Benign
SCN2A	2	166246164	C	A	1950	L	I	0.095	Likely Benign
SCN2A	2	166246164	G	T	1950	L	V	0.118	Likely Benign
SCN2A	2	166246164	C	T	1950	L	F	0.2	Likely Benign
SCN2A	2	166246165	T	A	1950	L	H	0.262	Likely Benign
SCN2A	2	166246165	T	C	1950	L	P	0.254	Likely Benign
SCN2A	2	166246165	T	G	1950	L	R	0.258	Likely Benign
SCN2A	2	166246167	A	C	1951	I	L	0.152	Likely Benign
SCN2A	2	166246167	A	G	1951	I	V	0.159	Likely Benign
SCN2A	2	166246167	A	T	1951	I	F	0.136	Likely Benign
SCN2A	2	166246168	T	A	1951	I	N	0.259	Likely Benign
SCN2A	2	166246168	T	C	1951	I	T	0.173	Likely Benign
SCN2A	2	166246168	T	G	1951	I	S	0.149	Likely Benign
SCN2A	2	166246169	T	G	1951	I	M	0.226	Likely Benign
SCN2A	2	166246170	G	A	1952	D	N	0.158	Likely Benign
SCN2A	2	166246170	G	C	1952	D	H	0.249	Likely Benign
SCN2A	2	166246170	G	T	1952	D	Y	0.172	Likely Benign
SCN2A	2	166246171	A	C	1952	D	A	0.178	Likely Benign
SCN2A	2	166246171	A	G	1952	D	G	0.141	Likely Benign
SCN2A	2	166246171	A	T	1952	D	V	0.2	Likely Benign
SCN2A	2	166246172	T	A	1952	D	E	0.185	Likely Benign
SCN2A	2	166246172	T	G	1952	D	E	0.185	Likely Benign
SCN2A	2	166246173	A	C	1953	K	Q	0.246	Likely Benign
SCN2A	2	166246173	A	G	1953	K	E	0.174	Likely Benign
SCN2A	2	166246173	A	T	1953	K	I	0.237	Likely Benign
SCN2A	2	166246174	A	G	1953	K	R	0.138	Likely Benign
SCN2A	2	166246174	A	T	1953	K	I	0.399	Likely Benign
SCN2A	2	166246175	A	C	1953	K	N	0.215	Likely Benign
SCN2A	2	166246175	A	T	1953	K	N	0.215	Likely Benign
SCN2A	2	166246176	C	A	1954	L	M	0.149	Likely Benign
SCN2A	2	166246176	C	G	1954	L	V	0.146	Likely Benign
SCN2A	2	166246177	T	A	1954	L	Q	0.314	Likely Benign
SCN2A	2	166246177	T	C	1954	L	P	0.22	Likely Benign
SCN2A	2	166246177	T	G	1954	L	R	0.278	Likely Benign
SCN2A	2	166246179	A	C	1955	N	H	0.201	Likely Benign
SCN2A	2	166246179	A	G	1955	N	D	0.195	Likely Benign
SCN2A	2	166246179	A	T	1955	N	Y	0.455	Likely Benign
SCN2A	2	166246180	C	A	1955	N	T	0.195	Likely Benign
SCN2A	2	166246180	A	G	1955	N	S	0.176	Likely Benign
SCN2A	2	166246180	A	T	1955	N	I	0.364	Likely Benign
SCN2A	2	166246181	T	A	1955	N	K	0.204	Likely Benign
SCN2A	2	166246181	T	G	1955	N	K	0.202	Likely Benign
SCN2A	2	166246182	G	A	1956	E	K	0.172	Likely Benign
SCN2A	2	166246182	G	C	1956	E	Q	0.173	Likely Benign
SCN2A	2	166246183	A	C	1956	E	A	0.191	Likely Benign
SCN2A	2	166246183	A	G	1956	E	G	0.123	Likely Benign
SCN2A	2	166246183	A	T	1956	E	V	0.408	Likely Benign
SCN2A	2	166246184	G	C	1956	E	D	0.181	Likely Benign
SCN2A	2	166246184	G	T	1956	E	D	0.181	Likely Benign
SCN2A	2	166246185	A	C	1957	N	H	0.4	Likely Benign
SCN2A	2	166246185	A	G	1957	N	D	0.299	Likely Benign
SCN2A	2	166246185	A	T	1957	N	Y	0.692	Likely Benign
SCN2A	2	166246186	A	C	1957	N	T	0.529	Likely Benign
SCN2A	2	166246186	A	G	1957	N	S	0.312	Likely Benign
SCN2A	2	166246186	A	T	1957	N	I	0.582	Likely Benign
SCN2A	2	166246187	T	A	1957	N	K	0.306	Likely Benign
SCN2A	2	166246187	T	G	1957	N	K	0.307	Likely Benign
SCN2A	2	166246188	T	A	1958	S	T	0.219	Likely Benign
SCN2A	2	166246188	T	C	1958	S	P	0.387	Likely Benign
SCN2A	2	166246188	T	G	1958	S	A	0.176	Likely Benign
SCN2A	2

GENE	CHR	DNA_LOC	REF_N	ALT_NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN1A	2	166847887	T	A	1966	E	D	0.268	Likely Benien
SCN1A	2	166847887	T	G	1966	E	D	0.276	Likely Benien
SCN1A	2	166847886	T	A	1967	N	Y	0.859	Likely Pathoenic
SCN1A	2	166847886	T	C	1967	N	D	0.378	Likely Benien
SCN1A	2	166847886	T	G	1967	N	H	0.619	Likely Benien
SCN1A	2	166847885	T	A	1967	N	I	0.805	Likely Pathoenic
SCN1A	2	166847885	T	C	1967	N	S	0.376	Likely Benien
SCN1A	2	166847885	T	G	1967	N	T	0.538	Likely Benien
SCN1A	2	166847884	G	C	1967	N	K	0.540	Likely Benien
SCN1A	2	166847884	G	T	1967	N	K	0.610	Likely Benien
SCN1A	2	166847883	A	C	1968	S	A	0.218	Likely Benien
SCN1A	2	166847883	A	G	1968	S	P	0.458	Likely Benien
SCN1A	2	166847883	A	T	1968	S	T	0.323	Likely Benien
SCN1A	2	166847882	G	A	1968	S	F	0.303	Likely Benien
SCN1A	2	166847882	G	C	1968	S	C	0.408	Likely Benien
SCN1A	2	166847882	G	T	1968	S	Y	0.285	Likely Benien
SCN1A	2	166847880	T	A	1969	I	F	0.170	Likely Benien
SCN1A	2	166847880	T	C	1969	I	V	0.139	Likely Benien
SCN1A	2	166847880	T	G	1969	I	L	0.162	Likely Benien
SCN1A	2	166847879	A	C	1969	I	S	0.124	Likely Benien
SCN1A	2	166847879	A	G	1969	I	T	0.051	Likely Benien
SCN1A	2	166847879	A	T	1969	I	N	0.198	Likely Benien
SCN1A	2	166847878	A	C	1969	I	M	0.170	Likely Benien
SCN1A	2	166847877	T	A	1970	T	S	0.107	Likely Benien
SCN1A	2	166847877	T	C	1970	T	A	0.215	Likely Benien
SCN1A	2	166847877	T	G	1970	T	P	0.121	Likely Benien
SCN1A	2	166847876	G	A	1970	T	I	0.296	Likely Benien
SCN1A	2	166847876	G	C	1970	T	R	0.233	Likely Benien
SCN1A	2	166847876	G	T	1970	T	K	0.175	Likely Benien
SCN1A	2	166847874	C	G	1971	E	Q	0.644	Likely Benien
SCN1A	2	166847874	C	T	1971	E	K	0.890	Likely Pathoenic
SCN1A	2	166847873	T	A	1971	E	V	0.804	Likely Pathoenic
SCN1A	2	166847873	T	C	1971	E	G	0.587	Likely Benien
SCN1A	2	166847873	T	G	1971	E	A	0.378	Likely Benien
SCN1A	2	166847872	T	A	1971	E	D	0.195	Likely Benien
SCN1A	2	166847872	T	G	1971	E	D	0.191	Likely Benien
SCN1A	2	166847871	C	T	1972	K	E	0.306	Likely Benien
SCN1A	2	166847871	T	G	1972	K	Q	0.640	Likely Benien
SCN1A	2	166847870	T	A	1972	K	I	0.918	Likely Pathoenic
SCN1A	2	166847870	T	C	1972	K	R	0.457	Likely Benien
SCN1A	2	166847870	T	G	1972	K	T	0.754	Likely Benien
SCN1A	2	166847869	T	A	1972	K	N	0.498	Likely Benien
SCN1A	2	166847869	T	G	1972	K	N	0.498	Likely Benien
SCN1A	2	166847868	A	C	1973	T	S	0.149	Likely Benien
SCN1A	2	166847868	T	C	1973	T	A	0.150	Likely Benien
SCN1A	2	166847868	T	G	1973	T	P	0.391	Likely Benien
SCN1A	2	166847867	G	A	1973	T	I	0.741	Likely Benien
SCN1A	2	166847867	G	C	1973	T	S	0.189	Likely Benien
SCN1A	2	166847867	G	T	1973	T	N	0.503	Likely Benien
SCN1A	2	166847865	A	T	1974	D	Y	0.932	Likely Pathoenic
SCN1A	2	166847865	C	G	1974	D	H	0.924	Likely Pathoenic
SCN1A	2	166847865	C	T	1974	D	N	0.883	Likely Pathoenic
SCN1A	2	166847864	A	C	1974	D	V	0.738	Likely Benien
SCN1A	2	166847864	T	C	1974	D	G	0.456	Likely Benien
SCN1A	2	166847864	T	G	1974	D	A	0.771	Likely Benien
SCN1A	2	166847863	A	C	1974	D	E	0.159	Likely Benien
SCN1A	2	166847863	A	T	1974	D	E	0.159	Likely Benien
SCN1A	2	166847862	G	C	1975	L	V	0.067	Likely Benien
SCN1A	2	166847862	G	T	1975	L	M	0.081	Likely Benien
SCN1A	2	166847861	A	C	1975	L	R	0.197	Likely Benien
SCN1A	2	166847861	A	G	1975	L	P	0.211	Likely Benien
SCN1A	2	166847861	A	T	1975	L	Q	0.125	Likely Benien
SCN1A	2	166847859	T	A	1976	T	S	0.325	Likely Benien
SCN1A	2	166847859	T	C	1976	T	A	0.335	Likely Benien
SCN1A	2	166847859	T	G	1976	T	P	0.822	Likely Pathoenic
SCN1A	2	166847858	G	A	1976	T	I	0.862	Likely Pathoenic
SCN1A	2	166847858	G	C	1976	T	S	0.355	Likely Benien
SCN1A	2	166847858	G	T	1976	T	N	0.851	Likely Pathoenic
SCN1A	2	166847856	T	A	1977	M	L	0.112	Likely Benien
SCN1A	2	166847856	T	C	1977	M	V	0.167	Likely Benien
SCN1A	2	166847856	T	G	1977	M	L	0.109	Likely Benien
SCN1A	2	166847855	A	C	1977	M	R	0.126	Likely Benien
SCN1A	2	166847855	A	G	1977	M	T	0.170	Likely Benien
SCN1A	2	166847855	A	T	1977	M	K	0.164	Likely Benien
SCN1A	2	166847854	C	A	1977	M	I	0.121	Likely Benien
SCN1A	2	166847854	C	G	1977	M	I	0.121	Likely Benien
SCN1A	2	166847854	C	T	1977	M	I	0.121	Likely Benien
SCN1A	2	166847853	A	C	1978	S	A	0.572	Likely Benien
SCN1A	2	166847853	A	G	1978	S	P	0.806	Likely Pathoenic
SCN1A	2	166847853	A	T	1978	S	T	0.673	Likely Benien
SCN1A	2	166847852	G	A	1978	S	F	0.932	Likely Pathoenic
SCN1A	2	166847852	G	C	1978	S	C	0.782	Likely Pathoenic
SCN1A	2	166847852	G	T	1978	S	Y	0.914	Likely Pathoenic
SCN1A	2	166847850	T	A	1979	T	S	0.375	Likely Benien
SCN1A	2	166847850	T	C	1979	T	A	0.500	Likely Benien
SCN1A	2	166847850	T	G	1979	T	P	0.922	Likely Pathoenic
SCN1A	2	166847849	G	A	1979	T	I	0.952	Likely Pathoenic
SCN1A	2	166847849	G	C	1979	T	S	0.378	Likely Benien
SCN1A	2	166847849	G	T	1979	T	N	0.907	Likely Pathoenic
SCN1A	2	166847847	C	A	1980	A	S	0.223	Likely Benien
SCN1A	2	166847847	C	G	1980	A	P	0.375	Likely Benien
SCN1A	2	166847847	C	T	1980	A	T	0.167	Likely Benien
SCN1A	2	166847846	G	A	1980	A	V	0.402	Likely Benien
SCN1A	2	166847846	G	C	1980	A	G	0.604	Likely Benien
SCN1A	2	166847846	G	T	1980	A	E	0.348	Likely Benien
SCN1A	2	166847844	C	A	1981	A	S	0.021	Likely Benien
SCN1A	2	166847844	C	G	1981	A	P	0.189	Likely Benien
SCN1A	2	166847844	C	T	1981	A	T	0.133	Likely Benien
SCN1A	2	166847843	G	A	1981	A	V	0.073	Likely Benien
SCN1A	2	166847843	G	C	1981	A	G	0.289	Likely Benien
SCN1A	2	166847843	G	T	1981	A	D	0.200	Likely Benien
SCN1A	2	166847841	A	C	1982	C	G	0.170	Likely Benien
SCN1A	2	166847841	A	G	1982	C	R	0.184	Likely Benien
SCN1A	2	166847841	A	T	1982	C	S	0.162	Likely Benien
SCN1A	2	166847840	C	A	1982	C	F	0.151	Likely Benien
SCN1A	2	166847840	C	G	1982	C	S	0.157	Likely Benien
SCN1A	2	166847840	C	T	1982	C	Y	0.185	Likely Benien
SCN1A	2	166847839	A	C	1982	C	W	0.349	Likely Benien
SCN1A	2	166847838	G	A	1983	P	S	0.665	Likely Benien
SCN1A	2	166847838	G	C	1983	P	A	0.855	Likely Pathoenic
SCN1A	2	166847838	G	T	1983	P	T	0.756	Likely Benien
SCN1A	2	166847837	G	A	1983	P	L	0.583	Likely Benien
SCN1A	2	166847837	G	C	1983	P	R	0.874	Likely Pathoenic
SCN1A	2	166847837	G	T	1983	P	Q	0.911	Likely Pathoenic
SCN1A	2	166847835	G	A	1984	P	S	0.921	Likely Pathoenic
SCN1A	2	166847835	G	C	1984	P	A	0.928	Likely Pathoenic
SCN1A	2	166847835	G	T	1984	P	T	0.925	Likely Pathoenic
SCN1A	2	166847834	G	A	1984	P	L	0.925	Likely Pathoenic
SCN1A	2	166847834	G	C	1984	P	R	0.949	Likely Pathoenic
SCN1A	2	166847834	G	T	1984	P	H	0.959	Likely Pathoenic
SCN1A	2	166847832	A	C	1985	S	A	0.869	Likely Pathoenic
SCN1A	2	166847832	A	G	1985	S	P	0.762	Likely Benien
SCN1A	2	166847832	A	T	1985	S	T	0.764	Likely Benien
SCN1A	2	166847831	G	A	1985	S	F	0.955	Likely Pathoenic
SCN1A	2	166847831	G	C	1985	S	C	0.954	Likely Pathoenic
SCN1A	2	166847831	G	T	1985	S	Y	0.946	Likely Pathoenic
SCN1A	2	166847829	A	C	1986	Y	D	0.855	Likely Pathoenic
SCN1A	2	166847829	A	G	1986	Y	H	0.759	Likely Benien
SCN1A	2	166847829	A	T	1986	Y	N	0.813	Likely Pathoenic
SCN1A	2	166847828	T	A	1986	Y	F	0.711	Likely Benien
SCN1A	2	166847828	T	C	1986	Y	C	0.774	Likely Benien
SCN1A	2	166847828	T	G	1986	Y	S	0.755	Likely Benien
SCN1A	2	166847826	C	A	1987	D	Y	0.763	Likely Benien
SCN1A	2	166847826	C	G	1987	D	H	0.761	Likely Benien
SCN1A	2	166847826	C	T	1987	D	N	0.491	Likely Benien
SCN1A	2	166847825	T	A	1987	D	V	0.735	Likely Benien
SCN1A	2	166847825	T	C	1987	D	G	0.708	Likely Benien
SCN1A	2	166847825	T	G	1987	D	A	0.729	Likely Benien
SCN1A	2	166847824	G	C	1987	D	E	0.261	Likely Benien
SCN1A	2	166847824	G	T	1987	D	E	0.262	Likely Benien
SCN1A	2	166847823	G	A	1988	R	W	0.596	Likely Benien
SCN1A	2	166847823	G	C	1988	R	G	0.428	Likely Benien
SCN1A	2	166847822	C	A	1988	R	L	0.523	Likely Benien
SCN1A	2	166847822	C	G	1988	R	P	0.504	Likely Benien
SCN1A	2	166847822	C	T	1988	R	Q	0.565	Likely Benien
SCN1A	2	166847820	C	A	1989	V	L	0.814	Likely Pathoenic
SCN1A	2	166847820	C	G	1989	V	L	0.805	Likely Pathoenic
SCN1A	2	166847820	C	T	1989	V	M	0.878	Likely Pathoenic
SCN1A	2	166847819	A	C	1989	V	G	0.813	Likely Pathoenic
SCN1A	2	166847819	A	G	1989	V	A	0.689	Likely Benien
SCN1A	2	166847819	A	T	1989	V	E	0.759	Likely Benien
SCN1A	2	166847817	T	A	1990	T	S	0.610	Likely Benien
SCN1A	2	166847817	T	C	1990	T	A	0.339	Likely Benien
SCN1A	2	166847817	T	G	1990	T	P	0.711	Likely Benien
SCN1A	2	166847816	G	A	1990	T	I	0.579	Likely Benien
SCN1A	2	166847816	G	C	1990	T	R	0.566	Likely Benien
SCN1A	2	166847816	G	T	1990	T	K	0.596	Likely Benien
SCN1A	2	166847814	T	C	1991	K	E	0.421	Likely Benien
SCN1A	2	166847814	T	G	1991	K	Q	0.540	Likely Benien
SCN1A	2	166847813	T	A	1991	K	M	0.781	Likely Benien
SCN1A	2	166847813	T	C	1991	K	R	0.176	Likely Benien
SCN1A	2	166847813	T	G	1991	K	T	0.513	Likely Benien
SCN1A	2	166847812	C	A	1991	K	N	0.548	Likely Benien
SCN1A	2	166847812	C	G	1991	K	N	0.544	Likely Benien
SCN1A	2	166847811	G	A	1992	P	S	0.250	Likely Benien
SCN1A	2	166847811	G	C	1992	P	A	0.217	Likely Benien
SCN1A	2	166847811	G	T	1992	P	T	0.307	Likely Benien
SCN1A	2	166847810	G	A	1992	P	L	0.616	Likely Benien
SCN1A	2	166847810	G	C	1992	P	R	0.403	Likely Benien
SCN1A	2	166847810	G	T	1992	P	Q	0.491	Likely Benien
SCN1A	2	166847808	T	A	1993	I	F	0.144	Likely Benien
SCN1A	2	166847808	T	C	1993	I	V	0.069	Likely Benien
SCN1A	2	166847808	T	G	1993	I	L	0.099	Likely Benien
SCN1A	2	166847807	A	C	1993	I	S	0.091	Likely Benien
SCN1A	2	166847807	A	G	1993	I	T	0.068	Likely Benien
SCN1A	2	166847807	A	T	1993	I	N	0.109	Likely Benien
SCN1A	2	166847806	A	C	1993	I	M	0.138	Likely Benien
SCN1A	2	166847805	C	A	1994	V	L	0.076	Likely Benien
SCN1A	2	166847805	C	G	1994	V	L	0.074	Likely Benien
SCN1A	2	166847805	C	T	1994	V	M	0.187	Likely Benien
SCN1A	2	166847804	A	C	1994	V	G	0.129	Likely Benien
SCN1A	2	166847804	A	G	1994	V	A	0.110	Likely Benien
SCN1A	2	166847804	A	T	1994	V	E	0.120	Likely Benien
SCN1A	2	166847802	C	G	1995	E	Q	0.739	Likely Benien
SCN1A	2	166847802	C	T	1995	E	K	0.794	Likely Pathoenic
SCN1A	2	166847801	T	A	1995	E	V	0.705	Likely Benien
SCN1A	2	166847801	T	C	1995	E	G	0.698	Likely Benien

GENE	CHR	DNA_LOC	REF_ NT	ALT_ NT	Amino Acid	AA_R EF	AA_A LT	SCN Index	SCN Index Prediction
SCN2A	2	166246198	A	G	1961	E	G	0.383	Likely Benign
SCN2A	2	166246198	A	T	1961	E	V	0.436	Likely Benign
SCN2A	2	166246199	G	C	1961	E	D	0.145	Likely Benign
SCN2A	2	166246199	G	T	1961	E	D	0.145	Likely Benign
SCN2A	2	166246200	A	C	1962	K	Q	0.405	Likely Benign
SCN2A	2	166246200	A	G	1962	K	E	0.335	Likely Benign
SCN2A	2	166246201	A	C	1962	K	T	0.545	Likely Benign
SCN2A	2	166246201	A	G	1962	K	R	0.332	Likely Benign
SCN2A	2	166246201	A	T	1962	K	I	0.610	Likely Benign
SCN2A	2	166246202	A	C	1962	K	N	0.553	Likely Benign
SCN2A	2	166246202	A	T	1962	K	N	0.553	Likely Benign
SCN2A	2	166246203	C	G	1963	T	P	0.386	Likely Benign
SCN2A	2	166246203	A	G	1963	T	A	0.14	Likely Benign
SCN2A	2	166246203	A	T	1963	T	S	0.135	Likely Benign
SCN2A	2	166246204	G	A	1963	T	N	0.227	Likely Benign
SCN2A	2	166246204	C	G	1963	T	S	0.13	Likely Benign
SCN2A	2	166246204	C	T	1963	T	I	0.285	Likely Benign
SCN2A	2	166246206	A	G	1964	D	N	0.469	Likely Benign
SCN2A	2	166246206	G	C	1964	D	H	0.638	Likely Benign
SCN2A	2	166246206	G	T	1964	D	Y	0.648	Likely Benign
SCN2A	2	166246207	A	C	1964	D	A	0.4	Likely Benign
SCN2A	2	166246207	A	G	1964	D	G	0.507	Likely Benign
SCN2A	2	166246207	A	T	1964	D	V	0.64	Likely Benign
SCN2A	2	166246208	T	A	1964	D	E	0.154	Likely Benign
SCN2A	2	166246208	T	G	1964	D	E	0.154	Likely Benign
SCN2A	2	166246209	A	C	1965	M	L	0.105	Likely Benign
SCN2A	2	166246209	A	G	1965	M	V	0.079	Likely Benign
SCN2A	2	166246209	A	T	1965	M	L	0.105	Likely Benign
SCN2A	2	166246210	T	A	1965	M	K	0.143	Likely Benign
SCN2A	2	166246210	T	C	1965	M	T	0.132	Likely Benign
SCN2A	2	166246210	T	G	1965	M	R	0.168	Likely Benign
SCN2A	2	166246211	G	A	1965	M	I	0.123	Likely Benign
SCN2A	2	166246211	G	C	1965	M	I	0.123	Likely Benign
SCN2A	2	166246211	G	T	1965	M	I	0.124	Likely Benign
SCN2A	2	166246212	A	C	1966	T	P	0.516	Likely Benign
SCN2A	2	166246212	A	G	1966	T	A	0.181	Likely Benign
SCN2A	2	166246212	A	T	1966	T	S	0.168	Likely Benign
SCN2A	2	166246213	C	A	1966	T	K	0.609	Likely Benign
SCN2A	2	166246213	C	G	1966	T	R	0.582	Likely Benign
SCN2A	2	166246213	C	T	1966	T	M	0.711	Likely Benign
SCN2A	2	166246215	C	A	1967	P	T	0.237	Likely Benign
SCN2A	2	166246215	C	G	1967	P	A	0.149	Likely Benign
SCN2A	2	166246215	C	T	1967	P	S	0.12	Likely Benign
SCN2A	2	166246216	A	C	1967	P	H	0.244	Likely Benign
SCN2A	2	166246216	C	G	1967	P	R	0.182	Likely Benign
SCN2A	2	166246216	C	T	1967	P	L	0.186	Likely Benign
SCN2A	2	166246218	T	A	1968	S	T	0.394	Likely Benign
SCN2A	2	166246218	T	C	1968	S	P	0.779	Likely Benign
SCN2A	2	166246218	T	G	1968	S	A	0.321	Likely Benign
SCN2A	2	166246219	C	A	1968	S	Y	0.542	Likely Benign
SCN2A	2	166246219	C	G	1968	S	C	0.516	Likely Benign
SCN2A	2	166246219	C	T	1968	S	F	0.661	Likely Benign
SCN2A	2	166246221	A	C	1969	T	P	0.794	Likely Pathogenic
SCN2A	2	166246221	A	G	1969	T	A	0.273	Likely Benign
SCN2A	2	166246221	A	T	1969	T	S	0.294	Likely Benign
SCN2A	2	166246222	C	A	1969	T	N	0.71	Likely Benign
SCN2A	2	166246222	C	G	1969	T	S	0.3	Likely Benign
SCN2A	2	166246222	C	T	1969	T	I	0.648	Likely Benign
SCN2A	2	166246224	A	C	1970	T	P	0.326	Likely Benign
SCN2A	2	166246224	A	G	1970	T	A	0.078	Likely Benign
SCN2A	2	166246224	A	T	1970	T	S	0.105	Likely Benign
SCN2A	2	166246225	C	A	1970	T	K	0.289	Likely Benign
SCN2A	2	166246225	C	G	1970	T	R	0.352	Likely Benign
SCN2A	2	166246225	C	T	1970	T	M	0.239	Likely Benign
SCN2A	2	166246227	T	A	1971	S	T	0.412	Likely Benign
SCN2A	2	166246227	T	C	1971	S	P	0.802	Likely Pathogenic
SCN2A	2	166246227	T	G	1971	S	A	0.254	Likely Benign
SCN2A	2	166246228	C	A	1971	S	Y	0.691	Likely Benign
SCN2A	2	166246228	C	G	1971	S	C	0.863	Likely Pathogenic
SCN2A	2	166246228	C	T	1971	S	F	0.606	Likely Benign
SCN2A	2	166246230	C	A	1972	P	T	0.475	Likely Benign
SCN2A	2	166246230	C	G	1972	P	A	0.545	Likely Benign
SCN2A	2	166246230	C	T	1972	P	S	0.41	Likely Benign
SCN2A	2	166246231	C	A	1972	P	Q	0.607	Likely Benign
SCN2A	2	166246231	C	G	1972	P	R	0.689	Likely Benign
SCN2A	2	166246231	C	T	1972	P	L	0.228	Likely Benign
SCN2A	2	166246233	C	A	1973	P	T	0.824	Likely Pathogenic
SCN2A	2	166246233	C	G	1973	P	A	0.821	Likely Pathogenic
SCN2A	2	166246233	C	T	1973	P	S	0.729	Likely Benign
SCN2A	2	166246234	C	A	1973	P	H	0.879	Likely Pathogenic
SCN2A	2	166246234	C	G	1973	P	R	0.8	Likely Pathogenic
SCN2A	2	166246234	C	T	1973	P	L	0.856	Likely Pathogenic
SCN2A	2	166246236	T	A	1974	S	T	0.724	Likely Benign
SCN2A	2	166246236	T	C	1974	S	P	0.762	Likely Benign
SCN2A	2	166246236	T	G	1974	S	A	0.88	Likely Pathogenic
SCN2A	2	166246237	C	G	1974	S	W	0.903	Likely Pathogenic
SCN2A	2	166246237	C	T	1974	S	L	0.871	Likely Pathogenic
SCN2A	2	166246239	A	G	1975	Y	N	0.783	Likely Pathogenic
SCN2A	2	166246239	T	C	1975	Y	H	0.602	Likely Benign
SCN2A	2	166246239	T	G	1975	Y	D	0.88	Likely Pathogenic
SCN2A	2	166246240	A	C	1975	Y	S	0.646	Likely Benign
SCN2A	2	166246240	A	G	1975	Y	C	0.678	Likely Benign
SCN2A	2	166246240	A	T	1975	Y	F	0.586	Likely Benign
SCN2A	2	166246242	G	A	1976	D	N	0.235	Likely Benign
SCN2A	2	166246242	G	C	1976	D	H	0.277	Likely Benign
SCN2A	2	166246242	G	T	1976	D	Y	0.267	Likely Benign
SCN2A	2	166246243	A	C	1976	D	A	0.558	Likely Benign
SCN2A	2	166246243	A	G	1976	D	G	0.563	Likely Benign
SCN2A	2	166246243	A	T	1976	D	V	0.705	Likely Benign
SCN2A	2	166246244	T	A	1976	D	E	0.185	Likely Benign
SCN2A	2	166246244	T	G	1976	D	E	0.182	Likely Benign
SCN2A	2	166246245	A	C	1977	S	R	0.186	Likely Benign
SCN2A	2	166246245	A	G	1977	S	G	0.337	Likely Benign
SCN2A	2	166246245	A	T	1977	S	C	0.673	Likely Benign
SCN2A	2	166246246	G	A	1977	S	N	0.455	Likely Benign
SCN2A	2	166246246	G	C	1977	S	T	0.425	Likely Benign
SCN2A	2	166246246	G	T	1977	S	I	0.42	Likely Benign
SCN2A	2	166246247	T	A	1977	S	R	0.211	Likely Benign
SCN2A	2	166246247	T	G	1977	S	R	0.206	Likely Benign
SCN2A	2	166246248	G	A	1978	V	M	0.343	Likely Benign
SCN2A	2	166246248	G	C	1978	V	L	0.233	Likely Benign
SCN2A	2	166246248	G	T	1978	V	L	0.235	Likely Benign
SCN2A	2	166246249	T	A	1978	V	E	0.571	Likely Benign
SCN2A	2	166246249	T	C	1978	V	A	0.305	Likely Benign
SCN2A	2	166246249	T	G	1978	V	G	0.603	Likely Benign
SCN2A	2	166246251	A	C	1979	T	P	0.527	Likely Benign
SCN2A	2	166246251	A	G	1979	T	A	0.358	Likely Benign
SCN2A	2	166246251	A	T	1979	T	S	0.393	Likely Benign
SCN2A	2	166246252	C	A	1979	T	N	0.293	Likely Benign
SCN2A	2	166246252	C	G	1979	T	S	0.239	Likely Benign
SCN2A	2	166246252	C	T	1979	T	I	0.315	Likely Benign
SCN2A	2	166246254	A	C	1980	K	Q	0.36	Likely Benign
SCN2A	2	166246254	A	G	1980	K	E	0.253	Likely Benign
SCN2A	2	166246255	A	C	1980	K	T	0.402	Likely Benign
SCN2A	2	166246255	A	G	1980	K	R	0.162	Likely Benign
SCN2A	2	166246255	A	T	1980	K	I	0.56	Likely Benign
SCN2A	2	166246256	A	C	1980	K	N	0.304	Likely Benign
SCN2A	2	166246256	A	T	1980	K	N	0.307	Likely Benign
SCN2A	2	166246257	C	A	1981	P	T	0.164	Likely Benign
SCN2A	2	166246257	C	G	1981	P	A	0.15	Likely Benign
SCN2A	2	166246257	C	T	1981	P	S	0.179	Likely Benign
SCN2A	2	166246258	C	A	1981	P	Q	0.209	Likely Benign
SCN2A	2	166246258	C	G	1981	P	R	0.245	Likely Benign
SCN2A	2	166246258	C	T	1981	P	L	0.272	Likely Benign
SCN2A	2	166246260	G	A	1982	E	K	0.12	Likely Benign
SCN2A	2	166246260	G	C	1982	E	Q	0.119	Likely Benign
SCN2A	2	166246261	A	C	1982	E	A	0.122	Likely Benign
SCN2A	2	166246261	A	G	1982	E	G	0.125	Likely Benign
SCN2A	2	166246261	A	T	1982	E	V	0.136	Likely Benign
SCN2A	2	166246262	A	C	1982	E	D	0.095	Likely Benign
SCN2A	2	166246262	A	T	1982	E	D	0.095	Likely Benign
SCN2A	2	166246263	A	C	1983	K	Q	0.201	Likely Benign
SCN2A	2	166246263	A	G	1983	K	E	0.219	Likely Benign
SCN2A	2	166246264	A	C	1983	K	T	0.283	Likely Benign
SCN2A	2	166246264	A	G	1983	K	R	0.175	Likely Benign
SCN2A	2	166246264	A	T	1983	K	K	0.344	Likely Benign
SCN2A	2	166246265	A	C	1983	K	N	0.176	Likely Benign
SCN2A	2	166246265	A	T	1983	K	N	0.179	Likely Benign
SCN2A	2	166246266	A	C	1984	E	Q	0.204	Likely Benign
SCN2A	2	166246266	A	G	1984	E	A	0.202	Likely Benign
SCN2A	2	166246266	A	T	1984	E	G	0.216	Likely Benign
SCN2A	2	166246267	A	C	1984	E	V	0.35	Likely Benign
SCN2A	2	166246267	A	T	1984	E	V	0.35	Likely Benign
SCN2A	2	166246268	A	C	1984	E	D	0.17	Likely Benign
SCN2A	2	166246268	A	T	1984	E	D	0.17	Likely Benign
SCN2A	2	166246269	A	C	1985	K	Q	0.285	Likely Benign
SCN2A	2	166246269	A	G	1985	K	E	0.36	Likely Benign
SCN2A	2	166246270	A	C	1985	K	T	0.638	Likely Benign
SCN2A	2	166246270	A	G	1985	K	R	0.231	Likely Benign
SCN2A	2	166246270	A	T	1985	K	I	0.569	Likely Benign
SCN2A	2	166246271	A	C	1985	K	N	0.298	Likely Benign
SCN2A	2	166246271	A	T	1985	K	N	0.297	Likely Benign
SCN2A	2	166246272	T	A	1986	F	I	0.115	Likely Benign
SCN2A	2	166246272	T	C	1986	F	L	0.113	Likely Benign
SCN2A	2	166246272	T	G	1986	F	V	0.114	Likely Benign
SCN2A	2	166246273	T	A	1986	F	Y	0.12	Likely Benign
SCN2A	2	166246273	T	C	1986	F	S	0.137	Likely Benign
SCN2A	2	166246273	T	G	1986	F	C	0.171	Lik

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN1A	2	166847801	T	G	1995	E	A	0.516	Likely Benien
SCN1A	2	166847800	T	A	1995	E	D	0.193	Likely Benien
SCN1A	2	166847800	T	G	1995	E	D	0.193	Likely Benien
SCN1A	2	166847799	T	C	1996	K	E	0.595	Likely Benien
SCN1A	2	166847799	T	G	1996	K	Q	0.431	Likely Benien
SCN1A	2	166847798	T	A	1996	K	I	0.690	Likely Benien
SCN1A	2	166847798	T	C	1996	K	R	0.369	Likely Benien
SCN1A	2	166847798	T	G	1996	K	T	0.633	Likely Benien
SCN1A	2	166847797	T	A	1996	K	N	0.289	Likely Benien
SCN1A	2	166847797	T	G	1996	K	N	0.283	Likely Benien
SCN1A	2	166847796	G	A	1997	H	Y	0.272	Likely Benien
SCN1A	2	166847796	G	C	1997	H	D	0.249	Likely Benien
SCN1A	2	166847796	G	T	1997	H	N	0.224	Likely Benien
SCN1A	2	166847795	T	A	1997	H	L	0.137	Likely Benien
SCN1A	2	166847795	T	C	1997	H	R	0.190	Likely Benien
SCN1A	2	166847795	T	G	1997	H	P	0.249	Likely Benien
SCN1A	2	166847794	A	C	1997	H	Q	0.142	Likely Benien
SCN1A	2	166847794	A	T	1997	H	Q	0.142	Likely Benien
SCN1A	2	166847793	C	G	1998	E	Q	0.209	Likely Benien
SCN1A	2	166847793	C	T	1998	E	K	0.272	Likely Benien
SCN1A	2	166847792	T	A	1998	E	V	0.523	Likely Benien
SCN1A	2	166847792	T	C	1998	E	G	0.371	Likely Benien
SCN1A	2	166847792	T	G	1998	E	A	0.402	Likely Benien
SCN1A	2	166847791	C	A	1998	E	D	0.223	Likely Benien
SCN1A	2	166847791	C	G	1998	E	D	0.222	Likely Benien
SCN1A	2	166847790	G	C	1999	Q	E	0.126	Likely Benien
SCN1A	2	166847790	G	T	1999	Q	K	0.068	Likely Benien
SCN1A	2	166847789	T	A	1999	Q	L	0.119	Likely Benien
SCN1A	2	166847789	T	C	1999	Q	R	0.105	Likely Benien
SCN1A	2	166847789	T	G	1999	Q	P	0.157	Likely Benien
SCN1A	2	166847788	T	A	1999	Q	H	0.188	Likely Benien
SCN1A	2	166847788	T	G	1999	Q	H	0.188	Likely Benien
SCN1A	2	166847787	C	G	2000	E	Q	0.196	Likely Benien
SCN1A	2	166847787	C	T	2000	E	K	0.192	Likely Benien
SCN1A	2	166847786	T	A	2000	E	V	0.247	Likely Benien
SCN1A	2	166847786	T	C	2000	E	G	0.201	Likely Benien
SCN1A	2	166847786	T	G	2000	E	A	0.160	Likely Benien
SCN1A	2	166847785	T	A	2000	E	D	0.099	Likely Benien
SCN1A	2	166847785	T	G	2000	E	D	0.100	Likely Benien
SCN1A	2	166847784	C	A	2001	G	C	0.230	Likely Benien
SCN1A	2	166847784	C	G	2001	G	R	0.107	Likely Benien
SCN1A	2	166847784	C	T	2001	G	S	0.134	Likely Benien
SCN1A	2	166847783	C	A	2001	G	V	0.142	Likely Benien
SCN1A	2	166847783	C	G	2001	G	A	0.124	Likely Benien
SCN1A	2	166847783	C	T	2001	G	D	0.112	Likely Benien
SCN1A	2	166847781	T	C	2002	K	E	0.097	Likely Benien
SCN1A	2	166847781	T	G	2002	K	Q	0.098	Likely Benien
SCN1A	2	166847780	T	A	2002	K	I	0.252	Likely Benien
SCN1A	2	166847780	T	C	2002	K	R	0.104	Likely Benien
SCN1A	2	166847780	T	G	2002	K	T	0.095	Likely Benien
SCN1A	2	166847779	T	A	2002	K	N	0.125	Likely Benien
SCN1A	2	166847779	T	G	2002	K	N	0.116	Likely Benien
SCN1A	2	166847778	C	A	2003	D	Y	0.293	Likely Benien
SCN1A	2	166847778	C	G	2003	D	H	0.229	Likely Benien
SCN1A	2	166847778	C	T	2003	D	N	0.140	Likely Benien
SCN1A	2	166847777	T	A	2003	D	V	0.215	Likely Benien
SCN1A	2	166847777	T	C	2003	D	G	0.143	Likely Benien
SCN1A	2	166847777	T	G	2003	D	A	0.144	Likely Benien
SCN1A	2	166847776	A	C	2003	D	E	0.071	Likely Benien
SCN1A	2	166847776	A	T	2003	D	E	0.071	Likely Benien
SCN1A	2	166847775	C	G	2004	E	Q	0.128	Likely Benien
SCN1A	2	166847775	C	T	2004	E	K	0.063	Likely Benien
SCN1A	2	166847774	T	A	2004	E	V	0.152	Likely Benien
SCN1A	2	166847774	T	C	2004	E	G	0.175	Likely Benien
SCN1A	2	166847774	T	G	2004	E	A	0.191	Likely Benien
SCN1A	2	166847773	T	A	2004	E	D	0.130	Likely Benien
SCN1A	2	166847773	T	G	2004	E	D	0.132	Likely Benien
SCN1A	2	166847772	T	C	2005	K	E	0.106	Likely Benien
SCN1A	2	166847772	T	G	2005	K	Q	0.151	Likely Benien
SCN1A	2	166847771	T	A	2005	K	I	0.459	Likely Benien
SCN1A	2	166847771	T	C	2005	K	R	0.114	Likely Benien
SCN1A	2	166847771	T	G	2005	K	T	0.165	Likely Benien
SCN1A	2	166847770	T	A	2005	K	N	0.162	Likely Benien
SCN1A	2	166847770	T	G	2005	K	N	0.156	Likely Benien
SCN1A	2	166847769	C	A	2006	A	S	0.158	Likely Benien
SCN1A	2	166847769	C	G	2006	A	P	0.153	Likely Benien
SCN1A	2	166847769	C	T	2006	A	T	0.158	Likely Benien
SCN1A	2	166847768	G	A	2006	A	V	0.125	Likely Benien
SCN1A	2	166847768	G	C	2006	A	G	0.148	Likely Benien
SCN1A	2	166847768	G	T	2006	A	D	0.077	Likely Benien
SCN1A	2	166847766	T	C	2007	K	E	0.506	Likely Benien
SCN1A	2	166847766	T	G	2007	K	Q	0.502	Likely Benien
SCN1A	2	166847765	T	A	2007	K	I	0.796	Likely Pathoaenic
SCN1A	2	166847765	T	C	2007	K	R	0.224	Likely Benien
SCN1A	2	166847765	T	G	2007	K	T	0.570	Likely Benien
SCN1A	2	166847764	T	A	2007	K	N	0.557	Likely Benien
SCN1A	2	166847764	T	G	2007	K	N	0.563	Likely Benien
SCN1A	2	166847763	C	A	2008	G	W	0.451	Likely Benien
SCN1A	2	166847763	C	G	2008	G	R	0.182	Likely Benien
SCN1A	2	166847763	C	T	2008	G	R	0.184	Likely Benien
SCN1A	2	166847762	C	A	2008	G	V	0.300	Likely Benien
SCN1A	2	166847762	C	G	2008	G	A	0.154	Likely Benien
SCN1A	2	166847762	C	T	2008	G	E	0.178	Likely Benien
SCN1A	2	166847760	T	C	2009	K	E	0.436	Likely Benien
SCN1A	2	166847760	T	G	2009	K	Q	0.522	Likely Benien
SCN1A	2	166847759	T	A	2009	K	I	0.713	Likely Benien
SCN1A	2	166847759	T	C	2009	K	R	0.255	Likely Benien
SCN1A	2	166847759	T	G	2009	K	T	0.567	Likely Benien
SCN1A	2	166847758	T	A	2009	K	N	0.534	Likely Benien
SCN1A	2	166847758	T	G	2009	K	N	0.536	Likely Benien

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction
SCN2A	2	166246282	A	C	1989	D	A	0.275	Likely Benign
SCN2A	2	166246282	A	G	1989	D	G	0.224	Likely Benign
SCN2A	2	166246282	A	T	1989	D	V	0.604	Likely Benign
SCN2A	2	166246283	C	A	1989	D	E	0.133	Likely Benign
SCN2A	2	166246283	C	G	1989	D	E	0.133	Likely Benign
SCN2A	2	166246284	A	C	1990	K	Q	0.161	Likely Benign
SCN2A	2	166246284	A	G	1990	K	E	0.153	Likely Benign
SCN2A	2	166246285	A	C	1990	K	T	0.221	Likely Benign
SCN2A	2	166246285	A	G	1990	K	R	0.119	Likely Benign
SCN2A	2	166246285	A	T	1990	K	I	0.335	Likely Benign
SCN2A	2	166246286	A	C	1990	K	N	0.198	Likely Benign
SCN2A	2	166246286	A	T	1990	K	N	0.2	Likely Benign
SCN2A	2	166246287	T	A	1991	S	T	0.076	Likely Benign
SCN2A	2	166246287	T	C	1991	S	P	0.096	Likely Benign
SCN2A	2	166246287	T	G	1991	S	A	0.099	Likely Benign
SCN2A	2	166246288	C	T	1991	S	L	0.099	Likely Benign
SCN2A	2	166246290	G	A	1992	E	K	0.195	Likely Benign
SCN2A	2	166246290	G	C	1992	E	Q	0.177	Likely Benign
SCN2A	2	166246291	A	C	1992	E	A	0.287	Likely Benign
SCN2A	2	166246291	A	G	1992	E	G	0.321	Likely Benign
SCN2A	2	166246291	A	T	1992	E	V	0.398	Likely Benign
SCN2A	2	166246292	A	C	1992	E	D	0.14	Likely Benign
SCN2A	2	166246292	A	T	1992	E	D	0.141	Likely Benign
SCN2A	2	166246293	A	C	1993	K	Q	0.17	Likely Benign
SCN2A	2	166246293	A	G	1993	K	E	0.126	Likely Benign
SCN2A	2	166246294	A	C	1993	K	T	0.176	Likely Benign
SCN2A	2	166246294	A	G	1993	K	R	0.137	Likely Benign
SCN2A	2	166246294	A	T	1993	K	M	0.368	Likely Benign
SCN2A	2	166246295	G	C	1993	K	N	0.149	Likely Benign
SCN2A	2	166246295	G	T	1993	K	N	0.149	Likely Benign
SCN2A	2	166246296	G	A	1994	E	K	0.124	Likely Benign
SCN2A	2	166246296	G	C	1994	E	Q	0.145	Likely Benign
SCN2A	2	166246297	A	C	1994	E	A	0.151	Likely Benign
SCN2A	2	166246297	A	G	1994	E	G	0.151	Likely Benign
SCN2A	2	166246297	A	T	1994	E	V	0.184	Likely Benign
SCN2A	2	166246298	A	C	1994	E	D	0.139	Likely Benign
SCN2A	2	166246298	A	T	1994	E	D	0.139	Likely Benign
SCN2A	2	166246299	G	A	1995	D	N	0.124	Likely Benign
SCN2A	2	166246299	G	C	1995	D	H	0.142	Likely Benign
SCN2A	2	166246299	G	T	1995	D	Y	0.133	Likely Benign
SCN2A	2	166246300	A	C	1995	D	A	0.112	Likely Benign
SCN2A	2	166246300	A	G	1995	D	G	0.132	Likely Benign
SCN2A	2	166246300	A	T	1995	D	V	0.131	Likely Benign
SCN2A	2	166246301	C	A	1995	D	E	0.121	Likely Benign
SCN2A	2	166246301	C	G	1995	D	E	0.12	Likely Benign
SCN2A	2	166246302	A	C	1996	K	Q	0.298	Likely Benign
SCN2A	2	166246302	A	G	1996	K	E	0.173	Likely Benign
SCN2A	2	166246303	A	C	1996	K	T	0.417	Likely Benign
SCN2A	2	166246303	A	G	1996	K	R	0.179	Likely Benign
SCN2A	2	166246303	A	T	1996	K	I	0.402	Likely Benign
SCN2A	2	166246304	A	C	1996	K	N	0.255	Likely Benign
SCN2A	2	166246304	A	T	1996	K	N	0.257	Likely Benign
SCN2A	2	166246305	G	A	1997	G	R	0.221	Likely Benign
SCN2A	2	166246305	G	C	1997	G	R	0.214	Likely Benign
SCN2A	2	166246305	G	T	1997	G	W	0.381	Likely Benign
SCN2A	2	166246306	G	A	1997	G	E	0.166	Likely Benign
SCN2A	2	166246306	G	C	1997	G	A	0.153	Likely Benign
SCN2A	2	166246306	G	T	1997	G	V	0.227	Likely Benign
SCN2A	2	166246308	A	C	1998	K	Q	0.354	Likely Benign
SCN2A	2	166246308	A	G	1998	K	E	0.249	Likely Benign
SCN2A	2	166246309	A	C	1998	K	T	0.497	Likely Benign
SCN2A	2	166246309	A	G	1998	K	R	0.216	Likely Benign
SCN2A	2	166246309	A	T	1998	K	I	0.507	Likely Benign
SCN2A	2	166246310	A	C	1998	K	N	0.251	Likely Benign
SCN2A	2	166246310	A	T	1998	K	N	0.251	Likely Benign
SCN2A	2	166246311	G	A	1999	D	N	0.195	Likely Benign
SCN2A	2	166246311	G	C	1999	D	H	0.518	Likely Benign
SCN2A	2	166246311	G	T	1999	D	Y	0.501	Likely Benign
SCN2A	2	166246312	A	C	1999	D	A	0.206	Likely Benign
SCN2A	2	166246312	A	G	1999	D	G	0.322	Likely Benign
SCN2A	2	166246312	A	T	1999	D	V	0.595	Likely Benign
SCN2A	2	166246313	T	A	1999	D	E	0.111	Likely Benign
SCN2A	2	166246313	T	G	1999	D	E	0.111	Likely Benign
SCN2A	2	166246314	A	C	2000	I	L	0.092	Likely Benign
SCN2A	2	166246314	A	G	2000	I	V	0.074	Likely Benign
SCN2A	2	166246314	A	T	2000	I	F	0.105	Likely Benign
SCN2A	2	166246315	T	A	2000	I	N	0.111	Likely Benign
SCN2A	2	166246315	T	C	2000	I	T	0.103	Likely Benign
SCN2A	2	166246315	T	G	2000	I	S	0.082	Likely Benign
SCN2A	2	166246316	C	G	2000	I	M	0.153	Likely Benign
SCN2A	2	166246317	A	G	2001	R	G	0.37	Likely Benign
SCN2A	2	166246317	A	T	2001	R	W	0.379	Likely Benign
SCN2A	2	166246318	G	A	2001	R	K	0.103	Likely Benign
SCN2A	2	166246318	G	C	2001	R	T	0.165	Likely Benign
SCN2A	2	166246318	G	T	2001	R	M	0.225	Likely Benign
SCN2A	2	166246319	G	C	2001	R	S	0.162	Likely Benign
SCN2A	2	166246319	G	T	2001	R	S	0.165	Likely Benign
SCN2A	2	166246320	G	A	2002	E	K	0.207	Likely Benign
SCN2A	2	166246320	G	C	2002	E	Q	0.184	Likely Benign
SCN2A	2	166246321	A	C	2002	E	A	0.274	Likely Benign
SCN2A	2	166246321	A	G	2002	E	G	0.339	Likely Benign
SCN2A	2	166246321	A	T	2002	E	V	0.515	Likely Benign
SCN2A	2	166246322	A	C	2002	E	D	0.167	Likely Benign
SCN2A	2	166246322	A	T	2002	E	D	0.167	Likely Benign
SCN2A	2	166246323	A	C	2003	S	R	0.126	Likely Benign
SCN2A	2	166246323	A	G	2003	S	G	0.135	Likely Benign
SCN2A	2	166246323	A	T	2003	S	C	0.186	Likely Benign
SCN2A	2	166246324	G	A	2003	S	N	0.107	Likely Benign
SCN2A	2	166246324	G	C	2003	S	T	0.123	Likely Benign
SCN2A	2	166246324	G	T	2003	S	I	0.153	Likely Benign
SCN2A	2	166246325	T	A	2003	S	R	0.128	Likely Benign
SCN2A	2	166246325	T	G	2003	S	R	0.126	Likely Benign
SCN2A	2	166246326	A	C	2004	K	Q	0.113	Likely Benign
SCN2A	2	166246326	A	G	2004	K	E	0.135	Likely Benign
SCN2A	2	166246327	A	C	2004	K	T	0.169	Likely Benign
SCN2A	2	166246327	A	G	2004	K	R	0.133	Likely Benign
SCN2A	2	166246327	A	T	2004	K	I	0.197	Likely Benign
SCN2A	2	166246328	A	C	2004	K	N	0.149	Likely Benign
SCN2A	2	166246328	A	T	2004	K	N	0.149	Likely Benign
SCN2A	2	166246329	A	C	2005	K	Q	0.303	Likely Benign
SCN2A	2	166246329	A	G	2005	K	E	0.216	Likely Benign
SCN2A	2	166246330	A	C	2005	K	T	0.389	Likely Benign
SCN2A	2	166246330	A	G	2005	K	R	0.24	Likely Benign
SCN2A	2	166246330	A	T	2005	K	M	0.417	Likely Benign
SCN2A	2	166246331	G	C	2005	K	N	0.391	Likely Benign
SCN2A	2	166246331	G	T	2005	K	N	0.393	Likely Benign

GENE	CHR	DNA_LOC	REF_NT	ALT_NT	Amino Acid	AA_REF	AA_ALT	SCN Index	SCN Index Prediction