

**Supplementary Table 1 - Candidate SNPs genotyped in EA patients
with NE in E1199**

SNP	SNP call rate	P_HWE	MAF	Effect_Allele
rs351676	17.1%	0.960082334	0.11	G
rs2280063	90.4%	0.40702994	0.25	G
rs10198990	91.7%	0.555005048	0.35	T
rs7632357	92.0%	0.316505733	0.42	T
rs1867302	92.1%	0.801855239	0.29	T
rs6779690	92.1%	0.105625195	0.17	T
rs7898877	93.1%	0.086427176	0.30	T
rs1043420	93.2%	0.508643891	0.23	G
rs12438913	93.2%	0.873339393	0.08	T
rs1246172	93.5%	0.204926335	0.29	G
rs12928806	93.9%	0.206390323	0.10	G
rs1878069	94.2%	0.479798653	0.39	G
rs10516190	94.3%	0.749615042	0.12	T
rs3012437	94.5%	3.19923E-10	0.42	T
rs1075493	94.6%	0.957130745	0.24	T
rs10971720	94.6%	0.762963966	0.25	G
rs2298627	94.7%	0.592129984	0.05	T
rs1347047	94.8%	0.69895153	0.41	T
rs6970118	94.9%	0.836733489	0.08	G
rs10219188	95.2%	0.119948799	0.46	T
rs12540272	95.2%	0.602282967	0.17	G
rs514346	95.5%	0.681764071	0.09	G
rs6939222	95.5%	0.679733546	0.04	T
rs10024612	95.5%	0.010692531	0.38	T
rs2062640	95.6%	0.046748063	0.11	G
rs10914565	95.6%	0.888496504	0.04	T
rs902964	95.7%	0.773895863	0.06	G
rs2228367	95.7%	0.418432895	0.02	T
rs7440590	95.8%	0.64440453	0.47	T
rs1882115	95.9%	0.43220972	0.19	C
rs2276496	95.9%	0.712909129	0.17	T
rs6056558	95.9%	0	0.38	T
rs6875477	95.9%	0.216699106	0.48	G
rs7279115	96.2%	0.974340017	0.35	C
rs2673748	96.3%	0.514668106	0.42	G
rs7635760	96.3%	0.443885297	0.27	C
rs11810754	96.5%	0.132229837	0.42	T
rs9927359	96.6%	0.898655711	0.41	G
rs10440830	96.6%	0.221032767	0.37	T
rs11706033	96.9%	0.034750622	0.16	T
rs3125923	97.2%	0.88590769	0.15	G
rs4233429	97.2%	0.056706269	0.26	T
rs8035499	97.3%	0.479095225	0.08	T

rs12370102	97.3%	0.08864046	0.08	T
rs10973024	97.7%	0.702184352	0.14	T
rs843399	97.9%	0.020333814	0.31	G
rs1163297	98.1%	0.360340315	0.43	C
rs9862208	98.1%	0.929258347	0.10	A
rs17509429	98.1%	0.007837423	0.11	T
rs6888013	98.4%	0.129580821	0.14	T
rs16872695	100.0%	0.390868905	0.04	T

EA European descent
NE Neuropathy
SNP Single Nucleotide Polymorphism
HWE Hardy Weinberg Equilibrium
MAF Minor Allele Frequency in tested population

**Supplementary Table 2 - Summary of SNPs with p<0.0001 in EA patients
with Grade3-4 NE in E5103**

SNP	CHR	BP	OR	P	Effect_Allele	MAF	Gene
rs10405376	19	9276166	2.07	1.94E-08	T	0.03	
rs2228367	19	16197320	1.83	7.83E-07	C	0.03	<i>TPM4</i>
rs12438913	15	36318243	2.26	8.92E-07	T	0.09	
rs2136594	10	87242681	1.96	1.02E-06	G	0.30	
rs9806757	15	36312457	2.25	1.25E-06	A	0.09	
rs7898877	10	87236564	0.51	1.33E-06	T	0.30	
rs16962252	15	36290481	2.23	1.38E-06	T	0.09	
rs7903512	10	87251813	0.52	1.39E-06	G	0.30	
rs10520043	15	36312948	2.23	1.67E-06	A	0.09	
rs11813392	10	87232638	0.52	1.78E-06	G	0.30	
rs1878069	21	43974569	0.57	1.96E-06	A	0.38	<i>SLC37A1</i>
rs6875477	5	2533617	1.67	2.01E-06	G	0.49	
rs16962261	15	36293228	2.20	2.63E-06	G	0.09	
rs1510390	15	36304188	2.14	3.33E-06	C	0.10	
rs16962240	15	36287828	2.13	5.37E-06	T	0.10	
rs10198990	2	64299693	1.67	5.64E-06	C	0.36	
rs6970118	7	93513413	2.23	5.67E-06	G	0.09	
rs10198613	2	64299270	0.60	6.34E-06	T	0.36	
rs514346	16	5466095	1.99	6.92E-06	G	0.11	
rs2062640	15	55029974	2.01	7.93E-06	G	0.12	
rs10243038	7	93455006	2.17	9.15E-06	C	0.10	
rs2651747	15	55065902	0.47	9.84E-06	T	0.09	
rs12928806	16	56050321	0.42	1.06E-05	G	0.06	
rs2695674	15	55079567	0.47	1.09E-05	T	0.09	
rs11810754	1	53067914	1.69	1.25E-05	T	0.38	
rs7280392	21	43988437	0.61	1.43E-05	A	0.39	<i>SLC37A1</i>
rs1867302	3	64391051	0.58	1.59E-05	G	0.29	
rs10234713	7	93520071	2.23	1.61E-05	G	0.08	
rs7635760	3	116398764	0.52	1.65E-05	C	0.26	
rs6888013	5	74281643	1.87	1.77E-05	T	0.15	
rs902964	9	72597565	2.06	1.90E-05	G	0.07	
rs9927359	16	54549638	1.56	1.91E-05	G	0.39	
rs6779690	3	24267011	0.53	2.00E-05	T	0.14	<i>THRB</i>
rs843399	2	116185335	0.60	2.21E-05	G	0.30	<i>DPP10</i>
rs4233429	1	91099903	1.61	2.26E-05	T	0.27	
rs10914565	1	32958395	0.37	2.27E-05	T	0.04	
rs1163009	12	81057383	0.59	2.27E-05	A	0.42	<i>PTPRQ</i>
rs10060240	5	74254502	1.92	2.30E-05	C	0.11	
rs12116789	1	91096973	0.63	2.45E-05	G	0.29	
rs10440830	6	14027101	0.61	2.46E-05	T	0.38	
rs2839557	21	43990798	0.62	2.51E-05	A	0.39	<i>SLC37A1</i>
rs10219188	11	21522529	0.64	2.52E-05	T	0.48	<i>NELL1</i>
rs2975926	9	72648997	2.12	2.60E-05	C	0.07	

rs10024612	4	11850963	1.63	2.67E-05	T	0.40	
rs8058303	16	56049162	0.42	2.82E-05	C	0.06	
rs16872695	4	22468388	2.39	2.89E-05	T	0.05	<i>GPR125</i>
rs1153046	12	81073903	0.60	2.96E-05	T	0.42	<i>PTPRQ</i>
rs13236645	7	22806718	1.66	3.01E-05	G	0.28	
rs16872651	4	22439599	1.84	3.08E-05	A	0.12	<i>GPR125</i>
rs417252	21	44004253	0.62	3.12E-05	C	0.39	
rs1163297	12	81067338	1.67	3.15E-05	C	0.42	<i>PTPRQ</i>
rs4776247	15	55022157	0.50	3.22E-05	G	0.10	
rs12370102	12	130237574	0.49	3.25E-05	T	0.11	<i>TMEM132D</i>
rs4970524	1	32942662	2.66	3.37E-05	C	0.05	<i>ZBTB8B</i>
rs16962350	15	36320372	1.89	3.45E-05	A	0.14	
rs10862181	12	81060221	0.60	3.73E-05	T	0.42	<i>PTPRQ</i>
rs10973024	9	3677809	1.87	3.80E-05	T	0.13	
rs1244370	14	34694960	1.77	3.94E-05	A	0.16	
rs1882115	12	114702099	0.50	4.03E-05	C	0.19	
rs17650038	10	119727648	1.86	4.22E-05	A	0.12	
rs13336016	16	56049756	2.85	4.56E-05	A	0.04	
rs3125923	1	68858479	1.80	4.99E-05	G	0.16	
rs7279115	21	42283732	1.59	5.06E-05	C	0.37	
rs1264077	14	34697065	1.68	5.19E-05	G	0.22	
rs329495	2	64300944	1.54	5.49E-05	G	0.50	
rs17618270	10	119873857	1.83	5.60E-05	G	0.12	<i>CASC2</i>
rs389157	21	44001199	1.58	5.60E-05	T	0.39	<i>SLC37A1</i>
rs2280063	3	168645151	1.59	5.63E-05	A	0.27	
rs7240069	18	7685332	1.86	5.78E-05	C	0.10	<i>PTPRM</i>
rs11706033	3	71987961	1.76	5.80E-05	T	0.18	
rs12540272	7	43254706	0.48	5.88E-05	G	0.18	<i>HECW1</i>
rs412137	5	2465418	1.57	6.05E-05	G	0.38	
rs9690859	7	138770415	1.66	6.07E-05	T	0.20	<i>ZC3HAV1</i>
rs12535022	7	138771905	1.66	6.07E-05	T	0.20	<i>ZC3HAV1</i>
rs3012437	6	170572741	0.63	6.29E-05	C	0.43	
rs16837714	4	5831665	2.39	6.36E-05	T	0.05	<i>CRMP1</i>
rs6939222	6	51793628	2.44	6.43E-05	T	0.04	<i>PKHD1</i>
rs17099088	14	100286536	0.41	6.46E-05	T	0.04	<i>EML1</i>
rs351676	2	143711265	0.42	6.52E-05	A	0.11	<i>KYNU</i>
rs351685	2	143720342	0.42	6.52E-05	C	0.11	<i>KYNU</i>
rs4876289	8	113647451	2.11	6.66E-05	A	0.09	<i>CSMD3</i>
rs12140988	1	32960336	2.51	6.69E-05	G	0.05	
rs16872711	4	22469890	2.31	6.76E-05	C	0.05	<i>GPR125</i>
rs7632357	3	32992203	0.62	6.95E-05	T	0.41	
rs7041888	9	3676890	1.83	6.96E-05	T	0.13	
rs7168471	15	36323763	1.85	7.12E-05	G	0.14	
rs11919443	3	196048895	1.69	7.25E-05	A	0.21	<i>M4SF19-TCTEX1D;</i>
rs7040514	9	3676560	1.82	7.48E-05	A	0.12	
rs1276116	14	70394903	1.72	7.64E-05	G	0.33	<i>SMOC1</i>
kgp581920	19	56206311	2.44	7.77E-05	T	0.03	<i>EPN1</i>

rs10153233	16	56039886	0.45	7.83E-05	A	0.06	
rs7428479	3	32985486	1.61	7.85E-05	C	0.41	
rs2531155	4	16018142	0.62	8.11E-05	T	0.30	<i>PROM1</i>
rs7356745	5	74243120	1.85	8.16E-05	C	0.11	
rs11769769	7	128312450	1.57	8.25E-05	T	0.38	<i>FAM71F2</i>
rs7440590	4	90028412	0.64	8.28E-05	T	0.46	
rs7612287	3	32990101	1.60	8.36E-05	T	0.41	
rs9862208	3	194244722	2.00	8.46E-05	A	0.09	
rs2727529	7	151356274	1.54	8.55E-05	T	0.44	<i>PRKAG2</i>
rs1246172	6	156954218	0.65	8.61E-05	G	0.27	
rs835278	10	94809799	0.65	8.63E-05	T	0.45	<i>EXOC6</i>
rs10971720	9	33827153	0.62	8.73E-05	G	0.22	<i>UBE2R2</i>
rs2276496	20	52611188	0.56	8.83E-05	T	0.18	<i>BCAS1</i>
rs6093938	20	42759565	0.55	8.87E-05	C	0.29	<i>JPH2</i>
rs2039470	9	3684635	1.84	8.90E-05	A	0.14	
rs2298627	18	47455783	2.67	9.01E-05	C	0.04	<i>MYO5B</i>
rs2673748	5	127069127	1.54	9.04E-05	G	0.42	
rs1075493	8	140917457	0.56	9.06E-05	C	0.27	<i>TRAPPC9</i>
rs1347047	4	70521755	0.64	9.32E-05	C	0.44	
rs2013836	1	181142796	2.63	9.33E-05	A	0.04	
rs8035499	15	73428224	0.53	9.48E-05	T	0.07	<i>NEO1</i>
rs13146788	4	11855572	1.58	9.57E-05	G	0.40	
rs17509429	6	20368246	0.51	9.60E-05	T	0.10	
rs10516190	4	6755936	0.43	9.75E-05	T	0.13	
rs1043420	11	76836439	0.55	9.90E-05	G	0.24	<i>CAPN5</i>
rs12102682	16	84391427	1.63	9.90E-05	G	0.18	
rs2681962	15	54898587	0.53	9.92E-05	G	0.13	<i>UNC13C</i>
rs3210458	3	141011630	0.37	9.94E-05	T	0.09	<i>ACPL2</i>
rs11844991	14	100243690	2.35	9.96E-05	C	0.05	
rs6056558	20	985530	1.57	9.96E-05	C	0.50	

EA	European descent
NE	Neuropathy
SNP	Single Nucleotide Polymorphism
CHR	Chromosome
BP	Chromosome location in base pairs
OR	Odds ratio from the regression
P	P value from the regression
MAF	Minor Allele Frequency in tested population
Gene	Symbol of the gene where the SNP locates

**Supplementary Table 3 - Summary of SNPs with p<0.0001 in EA patients
with Grade 2-4 NE in E5103**

SNP	CHR	BP	OR	P	Effect_Allele	MAF	LD support	Gene
rs7115102	11	123014336	0.60	1.45E-06	T	0.16	N	<i>CLMP</i>
rs4638694	18	56681035	0.71	6.60E-06	A	0.49	Y	
rs32119	5	11313143	1.99	9.27E-06	T	0.06	N	<i>CTNND2</i>
rs4940787	18	56683202	0.72	9.43E-06	C	0.49	Y	
rs9963384	18	56685232	0.72	9.43E-06	C	0.49	Y	
rs16860075	3	112530890	0.54	1.50E-05	T	0.10	N	
rs9926794	16	57542539	0.71	1.97E-05	C	0.33	Y	
rs3747309	23	153072107	0.67	2.02E-05	C	0.26	Y	
rs9979491	21	45856615	0.64	2.09E-05	T	0.19	N	<i>TRPM2</i>
rs13334329	16	57538340	0.65	2.42E-05	C	0.21	Y	
rs6875477	5	2533617	1.36	2.57E-05	G	0.50	N	
rs7456697	7	76309668	1.43	2.93E-05	C	0.26	N	
rs10016927	4	96565112	1.37	2.97E-05	T	0.44	N	
rs696447	12	77978850	1.39	3.26E-05	G	0.37	Y	
rs11810754	1	53067914	1.41	3.35E-05	T	0.39	N	
rs606854	5	134572229	0.71	3.37E-05	G	0.35	Y	<i>LOC340073</i>
rs1878069	21	43974569	0.71	3.51E-05	A	0.39	Y	<i>SLC37A1</i>
rs7041128	9	28420020	0.76	3.92E-05	G	0.48	N	<i>LINGO2</i>
rs2241009	17	37071189	0.72	3.93E-05	T	0.33	Y	<i>LASP1</i>
rs7280392	21	43988437	0.73	3.97E-05	A	0.40	Y	<i>SLC37A1</i>
rs523120	17	37070994	0.72	4.18E-05	G	0.33	Y	<i>LASP1</i>
rs711101	12	77982647	1.38	4.33E-05	T	0.38	Y	
rs525989	17	37070658	1.38	4.74E-05	T	0.33	Y	<i>LASP1</i>
rs347993	5	166066255	1.45	4.75E-05	G	0.25	N	
rs17332568	23	153067110	0.70	4.80E-05	A	0.25	Y	
rs12539223	7	16738006	1.44	4.87E-05	C	0.32	N	<i>BZW2</i>
rs1025444	7	7178545	1.65	5.11E-05	A	0.09	N	
rs10821312	9	96944581	0.68	5.11E-05	G	0.17	Y	
rs17509429	6	20368246	0.61	5.38E-05	T	0.11	N	
rs696439	12	77972858	1.38	5.42E-05	G	0.37	Y	
rs17809374	11	84622908	0.46	5.55E-05	G	0.05	N	<i>DLG2</i>
rs606995	5	134572661	0.71	5.63E-05	C	0.28	Y	<i>LOC340073</i>
rs9686502	5	76623421	0.72	5.90E-05	G	0.47	N	<i>PDE8B</i>
rs6793484	3	183197823	0.70	6.10E-05	G	0.17	N	
rs9856864	3	69762267	1.45	6.25E-05	G	0.23	N	
rs10271444	7	137689901	0.48	6.39E-05	A	0.05	Y	
rs12116789	1	91096973	0.74	6.84E-05	G	0.30	N	
rs2941346	16	9259690	1.73	6.91E-05	G	0.09	Y	
rs10485346	6	33866059	0.76	6.95E-05	A	0.49	N	
rs6911012	6	147020609	1.33	6.99E-05	T	0.38	N	<i>C6orf103</i>
rs1114620	16	9263737	1.75	6.99E-05	T	0.09	Y	

rs11633198	15	98919232	1.51	7.01E-05	C	0.16	N	
rs7038156	9	96959415	0.69	7.02E-05	G	0.18	Y	
rs11971315	7	137703336	2.09	7.38E-05	G	0.05	Y	
rs2839557	21	43990798	0.73	7.62E-05	A	0.40	Y	<i>SLC37A1</i>
rs615849	9	27606780	0.74	7.77E-05	C	0.48	N	
rs6779690	3	24267011	0.64	7.80E-05	T	0.15	N	<i>THRB</i>
rs7233915	18	56684795	0.74	7.84E-05	C	0.42	Y	
rs10880279	12	42664105	1.36	7.88E-05	T	0.37	Y	
rs742920	20	11017796	1.33	8.43E-05	G	0.42	N	
rs4662491	2	143110338	0.72	8.53E-05	C	0.31	N	
rs10880282	12	42703893	1.35	8.67E-05	G	0.38	Y	
rs6056558	20	985530	1.37	9.07E-05	C	0.49	N	
rs12578312	12	42736267	0.75	9.16E-05	G	0.39	Y	<i>PPHLN1</i>
rs17465450	10	78187872	1.77	9.24E-05	C	0.06	N	<i>C10orf11</i>
rs9973944	2	226244129	0.73	9.36E-05	C	0.40	N	
rs417252	21	44004253	0.74	9.41E-05	C	0.40	Y	
rs4970777	1	110283785	1.40	9.53E-05	T	0.44	N	
rs2323183	17	14307405	0.54	9.58E-05	A	0.08	N	
rs700975	9	98497814	1.36	9.64E-05	G	0.47	N	
rs1040214	12	76593029	0.71	9.70E-05	A	0.26	N	
rs2497139	6	84790544	0.49	9.86E-05	T	0.06	N	<i>MRAP2</i>
rs2282037	14	103588515	1.35	9.87E-05	T	0.49	N	
rs31465	5	92849721	0.75	9.92E-05	G	0.46	N	<i>FLJ42709</i>
rs7652050	3	31319355	0.65	9.94E-05	C	0.15	N	

EA	European descent
NE	Neuropathy
SNP	Single Nucleotide Polymorphism
CHR	Chromosome
BP	Chromosome location in base pairs
OR	Odds ratio from the regression
P	P value from the regression
MAF	Minor Allele Frequency in tested population
LD	Linkage Disequilibrium
Gene	Symbol of the gene where the SNP locates

Supplementary Table 4 - Summary of evaluated candidate SNPs in patients with NE in E1199 or E5103

	<u>E1199 EA patients</u>				<u>E1199 AA patients</u>		<u>E5103 EA patients</u>				<u>E5103 AA patients</u>		E5103 MAF	Effect Allele
	Grade2-4		Grade3-4		Grade2-4		Grade2-4		Grade3-4		Grade2-4			
	OR	P	OR	P	OR	P	OR	P	OR	P	OR	P		
rs3125923	1.59	0.0013	1.88	0.0017	1.24	0.5305	1.48	1E-04	1.80	4.99E-05	1.09	0.7552	0.16	G
rs9862208	1.53	0.0174	1.88	0.0059	0.25	0.0222	1.64	2E-04	2.00	8.46E-05	0.71	0.77732	0.09	A
rs17509429	0.76	0.0936	0.65	0.0359	0.21	0.1578	0.61	5E-05	0.51	0.000096	NA	NA	0.10	T
rs843399	1.33	0.0101	1.29	0.1025	0.93	0.8185	0.79	0.005	0.60	2.21E-05	1.02	0.91701	0.30	G
rs1163297	1.13	0.2561	1.27	0.1207	0.58	0.1612	1.26	0.003	1.67	3.15E-05	1.20	0.08502	0.42	C
rs11810754	1.12	0.2864	1.25	0.1522	1.00	0.9994	1.41	3E-05	1.69	1.25E-05	0.99	0.8807	0.38	T
rs11706033	1.19	0.2119	1.30	0.2011	0.98	0.9516	1.29	0.017	1.76	0.000058	0.93	0.65684	0.18	T
rs12370102	0.83	0.3184	0.78	0.3219	0.65	0.5661	0.69	0.006	0.49	3.25E-05	0.80	0.59166	0.11	T
rs12540272	1.10	0.5077	1.17	0.3967	0.90	0.8150	0.70	7E-04	0.48	5.88E-05	0.83	0.59441	0.18	G
rs10024612	1.00	0.9751	1.14	0.4161	0.83	0.5901	1.21	0.014	1.63	2.67E-05	1.09	0.91252	0.40	T
rs2276496	0.93	0.6172	1.13	0.5422	1.54	0.2626	0.72	0.001	0.56	8.83E-05	0.54	0.029474	0.18	T
rs2062640	1.07	0.7016	1.15	0.5517	1.77	0.2118	1.40	0.005	2.01	7.93E-06	1.40	0.30352	0.12	G
rs902964	1.17	0.4713	1.17	0.5920	1.21	0.5748	1.33	0.03	2.06	0.000019	0.62	0.05905	0.07	G
rs10219188	0.98	0.8463	1.08	0.6088	0.72	0.3467	0.83	0.004	0.64	2.52E-05	1.18	0.97141	0.48	T
rs10440830	1.05	0.6680	1.07	0.6722	0.86	0.6981	0.78	6E-04	0.61	2.46E-05	0.94	0.86614	0.38	T
rs10973024	0.96	0.7824	1.09	0.6783	1.64	0.2755	1.38	0.004	1.87	0.000038	0.90	0.76439	0.13	T
rs7440590	1.20	0.0862	0.94	0.6784	1.50	0.2283	0.79	0.003	0.64	8.28E-05	0.98	0.95301	0.46	T
rs7635760	0.95	0.7126	0.94	0.7421	0.73	0.3849	0.77	0.007	0.52	1.65E-05	1.00	0.67402	0.26	C
rs9927359	0.92	0.4368	1.04	0.7750	0.71	0.3400	1.17	0.029	1.56	1.91E-05	0.96	0.48342	0.39	G
rs6939222	0.87	0.5877	1.10	0.7976	0.77	0.6910	1.76	0.001	2.44	6.43E-05	1.42	0.76527	0.04	T
rs8035499	1.07	0.6988	0.94	0.8022	1.01	0.9827	0.75	0.014	0.53	9.48E-05	1.58	0.17254	0.07	T
rs6888013	1.04	0.8060	1.05	0.8056	0.62	0.3644	1.31	0.008	1.87	1.77E-05	1.84	0.15443	0.15	T
rs4233429	1.09	0.4566	1.03	0.8376	1.09	0.8515	1.31	4E-04	1.61	2.26E-05	0.57	0.34608	0.27	T
rs6875477	1.07	0.5320	1.02	0.8722	0.74	0.3604	1.36	3E-05	1.67	2.01E-06	0.96	0.59935	0.49	G
rs10914565	0.74	0.2546	1.06	0.8813	0.24	0.0335	0.60	0.009	0.37	2.27E-05	0.44	0.042542	0.04	T
rs7279115	1.04	0.7512	1.02	0.8925	0.93	0.8147	1.27	0.004	1.59	5.06E-05	1.03	0.93405	0.37	C
rs514346	0.97	0.8830	0.97	0.9081	1.34	0.5735	1.39	0.002	1.99	6.92E-06	0.52	0.048334	0.11	G
rs2673748	1.05	0.6497	1.01	0.9663	1.47	0.2432	1.28	9E-04	1.54	9.04E-05	0.94	0.62319	0.42	G
rs16872695	1.00	0.9984	1.01	0.9670	1.05	0.9246	1.47	0.012	2.39	2.89E-05	0.99	0.5532	0.05	T
rs1882115	0.98	0.8697	0.99	0.9683	0.73	0.4185	0.69	2E-04	0.50	4.03E-05	1.05	0.80465	0.19	C

EA European descent
AA African descent
NE Neuropathy
SNP Single Nucleotide Polymorphism
OR Odds ratio from the regression
P P value from the regression

**Supplementary Table 5 - Summary of SNPs with $p < 0.0001$ in AA patients
with grade 2-4 NE in E5103**

SNP	CHR	BP	OR	P	Effect_Allele	MAF	LD support	Gene
rs1856746	1	207143422	5.54	1.57E-07	G	0.13	Y	<i>FCAMR</i>
rs291096	1	207110936	5.34	2.00E-07	G	0.13	Y	<i>PIGR</i>
rs2791713	1	207153881	5.31	2.32E-07	T	0.14	Y	
rs94872	1	207086845	5.18	4.91E-07	C	0.12	Y	<i>FAIM3</i>
rs7622021	3	43179422	3.11	1.22E-06	C	0.34	Y	
rs10863614	1	221615451	2.83	1.67E-06	A	0.32	Y	
rs997927	1	221659411	3.11	2.43E-06	C	0.46	Y	
rs4323260	5	129364691	6.85	2.48E-06	C	0.05	N	<i>CHSY3</i>
rs422931	12	125896922	3.09	3.55E-06	T	0.42	N	<i>TMEM132B</i>
rs2372337	3	43186244	0.27	4.61E-06	A	0.22	Y	
rs2791706	1	207163372	0.24	4.69E-06	T	0.14	Y	
rs9855487	3	181588884	0.30	5.11E-06	C	0.12	Y	
rs1884134	22	27831650	0.40	5.33E-06	G	0.34	N	
rs12773938	10	91338675	0.31	5.63E-06	G	0.17	Y	
rs2777329	13	104394327	0.38	5.96E-06	G	0.36	N	
rs11509139	7	24781080	0.17	7.67E-06	G	0.06	N	<i>DFNA5</i>
rs11811065	1	237415237	3.64	8.16E-06	C	0.06	N	<i>RYR2</i>
rs919005	4	37769527	0.27	8.35E-06	A	0.09	N	
rs17307813	11	25362364	0.27	8.95E-06	G	0.10	Y	
rs10268441	7	115317894	0.30	9.56E-06	C	0.15	N	
rs11028634	11	25377220	0.28	1.09E-05	T	0.11	Y	
rs6974849	7	21140648	0.20	1.25E-05	A	0.07	N	
rs1897905	8	69484133	0.32	1.38E-05	A	0.15	N	<i>C8orf34</i>
rs6723449	2	218997580	3.24	1.42E-05	C	0.17	Y	<i>CXCR2</i>
rs1863332	2	47629898	0.32	1.43E-05	G	0.16	N	
rs6737563	2	218945674	4.08	1.67E-05	C	0.12	Y	<i>RUFY4</i>
rs11215690	11	115685475	2.64	1.80E-05	G	0.46	N	
rs9684145	4	75152436	0.31	1.84E-05	A	0.15	N	<i>MTHFD2L</i>
rs4767920	12	121065277	2.93	2.18E-05	A	0.20	N	
rs3848208	15	80714629	0.34	2.18E-05	G	0.26	Y	<i>ARNT2</i>
rs10098260	8	64046837	0.22	2.21E-05	T	0.06	N	
rs10739878	9	106535762	6.24	2.31E-05	G	0.06	N	
rs10750293	11	124910710	0.34	2.41E-05	G	0.18	Y	<i>CCDC15</i>
rs10508544	10	17766711	0.32	2.44E-05	T	0.13	Y	
rs7060714	23	92833381	0.38	2.53E-05	T	0.10	N	
rs9880895	3	181577965	0.37	2.60E-05	A	0.16	Y	
rs12657678	5	49860118	2.42	2.63E-05	A	0.43	N	
rs5993955	22	20283228	0.45	2.69E-05	T	0.30	Y	
rs13013	10	75562161	2.30	2.88E-05	T	0.38	Y	<i>NDST2</i>
rs6694450	1	221654528	2.76	2.93E-05	T	0.49	Y	
rs11155146	6	141267021	0.41	2.96E-05	A	0.24	Y	
rs11254723	10	17724122	0.34	2.96E-05	A	0.13	Y	<i>STAM</i>
rs4877750	9	85872664	2.58	3.07E-05	C	0.22	N	<i>FRMD3 LOC100506605</i>

rs11588887	1	159717162	0.38	3.11E-05	A	0.13	Y	
rs6077011	20	6456282	0.41	3.12E-05	C	0.20	N	
rs10431813	15	80711753	0.35	3.14E-05	A	0.26	Y	ARNT2
rs6910259	6	14560514	0.37	3.20E-05	G	0.17	N	
rs6862162	5	100592006	3.08	3.43E-05	A	0.25	Y	
rs1871898	12	129849900	0.41	3.59E-05	G	0.28	N	TMEM132D
rs10881603	10	91333674	0.33	3.64E-05	G	0.16	Y	
rs4612816	11	124874382	2.59	3.67E-05	A	0.19	Y	CCDC15
rs17117138	5	154614881	0.35	3.68E-05	A	0.15	N	
rs332118	10	28928158	0.28	3.87E-05	A	0.10	Y	
rs11794979	9	12290837	0.20	3.89E-05	T	0.07	N	
rs11505129	5	100567453	2.65	3.90E-05	G	0.29	Y	
rs10045726	5	148352990	2.11	3.93E-05	T	0.36	Y	
rs7076585	10	75503692	2.27	3.98E-05	C	0.38	Y	LOC100507280
rs6788128	3	146397550	0.24	4.03E-05	A	0.07	N	
rs7525417	1	183211052	3.01	4.15E-05	G	0.12	N	LAMC2
rs332182	10	28910715	2.37	4.39E-05	T	0.31	Y	
rs7511723	1	244155946	2.70	4.42E-05	C	0.27	N	LOC339529
rs6527298	23	33807695	0.38	4.42E-05	G	0.21	N	
rs6914898	6	141233620	0.42	4.51E-05	A	0.23	Y	
rs2850981	4	102097403	0.30	4.89E-05	T	0.25	N	PPP3CA
rs9729189	1	221694160	0.35	4.92E-05	G	0.34	Y	
rs6655923	1	221627469	0.33	5.14E-05	A	0.21	Y	
rs9730262	1	221694627	2.82	5.16E-05	G	0.34	Y	
rs17104583	11	105684159	3.35	5.27E-05	T	0.31	N	GRIA4
rs17181170	3	87173324	0.35	5.35E-05	A	0.20	Y	
rs7426289	2	218966315	2.56	5.64E-05	T	0.23	Y	
rs5910382	23	117721437	0.35	5.72E-05	T	0.09	N	
rs6555750	5	166904890	2.55	5.77E-05	G	0.42	N	ODZ2
rs332157	10	28883068	2.29	5.85E-05	A	0.31	Y	WAC
rs7379603	5	3320814	2.58	5.96E-05	T	0.28	N	
kgp7764620	8	128499110	10.49	6.09E-05	G	0.08	N	
rs1929210	13	110285478	0.46	6.22E-05	C	0.43	N	
rs1072523	10	28819406	2.17	6.27E-05	A	0.35	Y	LOC220906
rs6856880	4	17419691	0.33	6.34E-05	G	0.15	N	
rs12407509	1	245992462	0.26	6.43E-05	G	0.07	N	SMYD3
rs4963212	11	32530384	0.40	6.48E-05	T	0.23	N	
rs10040798	5	148367324	2.06	6.74E-05	G	0.36	Y	SH3TC2
rs11111093	12	102327309	0.27	6.77E-05	C	0.08	N	
rs10798954	1	33941028	2.34	7.05E-05	T	0.40	N	ZSCAN20
rs505509	23	45878983	3.05	7.29E-05	G	0.10	N	
rs12109285	5	21749348	0.42	7.31E-05	C	0.24	N	
rs7079172	10	52478264	2.07	7.49E-05	C	0.30	N	
rs12414562	10	53385460	2.98	7.51E-05	A	0.20	N	PRKG1
rs10995090	10	63974229	0.26	7.51E-05	G	0.10	N	RTKN2
rs10240887	7	8790170	0.41	7.72E-05	C	0.31	N	NXPB1
rs6992430	8	102632573	0.39	7.75E-05	G	0.33	N	GRHL2

rs4568493	6	106329966	3.70	7.91E-05	G	0.20	N	
rs26000	5	11302022	0.52	7.94E-05	A	0.34	N	<i>CTNND2</i>
rs34326408	12	113647337	0.46	7.97E-05	C	0.31	N	<i>IQCD</i>
rs10900494	1	205438914	2.85	7.99E-05	G	0.37	N	
rs10214532	6	66830696	0.44	8.13E-05	T	0.39	Y	
rs9354379	6	66840711	0.44	8.17E-05	T	0.39	Y	
rs901843	3	87228584	0.34	8.26E-05	A	0.13	Y	
rs1469784	4	30156463	0.30	8.43E-05	G	0.11	N	
rs200807	6	97903674	2.49	8.55E-05	T	0.32	N	
rs1035239	22	20793914	2.49	8.58E-05	C	0.31	N	
rs11188985	10	98767842	0.36	8.63E-05	T	0.27	N	<i>SLIT1</i>
rs237115	6	79410392	0.31	9.02E-05	G	0.09	N	
rs4143097	1	116302592	0.36	9.09E-05	T	0.16	N	<i>CASQ2</i>
rs9872146	3	192850845	0.47	9.11E-05	T	0.22	N	
rs11265269	1	159728127	0.43	9.26E-05	C	0.27	Y	
rs5993954	22	20282886	0.49	9.44E-05	T	0.27	Y	
rs997662	1	245276793	0.43	9.45E-05	T	0.20	N	<i>EFCAB2</i>
rs11863515	16	51981775	3.33	9.52E-05	A	0.26	N	
rs16931937	12	27548191	0.38	9.83E-05	C	0.17	N	<i>ARNTL2</i>
rs12555611	9	34403424	0.32	9.92E-05	T	0.10	N	<i>C9orf25</i>
rs11199832	10	122970549	0.35	9.92E-05	A	0.10	N	
rs11677534	2	219007060	2.14	9.93E-05	C	0.31	Y	

AA	African descent
NE	Neuropathy
SNP	Single Nucleotide Polymorphism
CHR	Chromosome
BP	Chromosome location in base pairs
OR	Odds ratio from the regression
P	P value from the regression
MAF	Minor Allele Frequency in tested population
LD	Linkage Disequilibrium
Gene	Symbol of the gene where the SNP locates