

Supplemental Table 2. Top 200 Association findings in the Discovery Cohort ordered by location.

SNP	Chr	Mb	Nearest Gene (within 200 kb)	N		Genotype Frequencies		Minor Allele Frequencies		P-value	Model	OR	95% CI
				JIA	Ctrl	Cases	Controls	JIA	Ctrl				
rs215792	1	37.38	GRIK3	811	3057	0.32/0.52/0.16	0.39/0.46/0.15	0.42	0.38	1.72E-04	dom	1.37	1.16-1.62
rs1288632	1	53.7	DMRTB1	814	3058	0.48/0.42/0.1	0.55/0.39/0.07	0.31	0.26	5.71E-05	add	1.28	1.14-1.44
rs1108989	1	53.7	DMRTB1	814	3058	0.48/0.42/0.1	0.55/0.39/0.07	0.31	0.26	6.69E-05	add	1.28	1.13-1.44
rs3811438	1	79.18	ELTD1	813	3058	0.8/0.19/0	0.86/0.14/0	0.10	0.07	1.68E-04	dom	1.47	1.2-1.79
rs12029928	1	79.21	ELTD1	814	3053	0.8/0.2/0	0.86/0.14/0	0.10	0.07	1.20E-04	add	1.46	1.2-1.77
rs1230666	1	113.97	MAGI3	814	3053	0.67/0.29/0.04	0.74/0.24/0.02	0.18	0.14	1.95E-06	add	1.42	1.23-1.65
rs6679677	1	114.11	RSBN1	814	3055	0.75/0.22/0.03	0.81/0.18/0.01	0.14	0.10	1.07E-06	add	1.5	1.28-1.77
rs10776775	1	114.24	AP4B1	814	3058	0.36/0.47/0.17	0.42/0.45/0.13	0.41	0.35	2.73E-05	add	1.27	1.14-1.42
rs10776801	1	115.68	NGFB	793	3027	0.83/0.17/0.01	0.89/0.11/0	0.09	0.06	4.76E-06	add	1.63	1.32-2.01
rs7511950	1	185.32	PLA2G4A	813	3058	0.57/0.37/0.06	0.65/0.31/0.05	0.24	0.20	7.96E-05	dom	1.37	1.17-1.61
rs1009221	2	26.75	KCNK3	809	3052	0.25/0.55/0.2	0.26/0.49/0.26	0.47	0.50	1.81E-04	rec	0.69	0.57-0.84
rs13427136	2	39.76	TMEM178	814	3058	0.83/0.17/0	0.88/0.12/0.01	0.09	0.07	1.63E-04	dom	1.5	1.22-1.85
rs11690012	2	43.4	THADA	814	3058	0.54/0.41/0.05	0.62/0.33/0.05	0.26	0.22	5.90E-05	dom	1.38	1.18-1.61
rs2118480	2	60.74	PAPOLG	808	3048	0.38/0.46/0.15	0.44/0.46/0.1	0.38	0.33	1.50E-04	add	1.25	1.11-1.4
rs268132	2	65.46	SPRED2	780	2958	0.32/0.51/0.17	0.26/0.52/0.22	0.43	0.48	1.12E-04	add	0.8	0.71-0.89
rs10210235	2	71.04	ATP6V1B1	811	3056	0.29/0.54/0.17	0.28/0.49/0.23	0.44	0.48	8.57E-05	rec	0.67	0.54-0.82
rs12987484	2	105.73	NCK2	811	3055	0.51/0.42/0.07	0.45/0.45/0.1	0.28	0.33	1.17E-04	add	0.79	0.69-0.89
rs260705	2	108.94	EDAR	797	2964	0.78/0.2/0.02	0.71/0.26/0.04	0.12	0.16	8.04E-06	add	0.69	0.59-0.81
rs13019180	2	116.2	DPP10	814	3058	0.56/0.36/0.08	0.48/0.43/0.09	0.26	0.30	7.54E-05	dom	0.73	0.62-0.85
rs13033400	2	116.2	DPP10	812	3057	0.56/0.36/0.08	0.48/0.43/0.09	0.26	0.30	7.76E-05	dom	0.73	0.63-0.85
rs1374271	2	116.25	DPP10	813	3057	0.58/0.35/0.08	0.5/0.42/0.08	0.25	0.29	1.15E-04	dom	0.74	0.63-0.86
rs997033	2	146.39		813	3057	0.44/0.43/0.13	0.37/0.48/0.15	0.34	0.39	8.60E-05	dom	0.73	0.62-0.85
rs4533492	2	150.6		813	3052	0.4/0.43/0.17	0.32/0.51/0.17	0.39	0.42	1.20E-04	dom	0.73	0.62-0.86
rs330646	2	150.61		813	3049	0.27/0.45/0.28	0.26/0.52/0.22	0.51	0.48	8.71E-05	rec	1.42	1.19-1.7
rs330625	2	150.62		813	3057	0.37/0.44/0.2	0.29/0.51/0.19	0.41	0.45	3.13E-05	dom	0.71	0.6-0.83
rs108136	2	150.62		814	3056	0.26/0.45/0.29	0.25/0.52/0.23	0.51	0.49	1.49E-04	rec	1.4	1.18-1.66
rs330624	2	150.62		810	3051	0.27/0.45/0.28	0.26/0.52/0.22	0.51	0.48	1.54E-04	rec	1.41	1.18-1.68

rs10931480	2	191.95		812	3056	0.73/0.25/0.02	0.67/0.3/0.04	0.15	0.19	1.88E-04	add	0.75	0.64-0.87
rs12466358	2	233.11	CHRND	812	3048	0.48/0.44/0.09	0.56/0.37/0.07	0.31	0.25	1.03E-05	dom	1.42	1.21-1.66
rs11894280	2	238.17	RAB17	814	3057	0.8/0.19/0	0.86/0.13/0.01	0.10	0.07	1.81E-05	dom	1.55	1.27-1.9
rs12464181	2	238.19	LRRFIP1	813	3053	0.78/0.21/0	0.85/0.14/0.01	0.11	0.08	2.57E-05	dom	1.52	1.25-1.84
rs12464145	2	238.19	LRRFIP1	814	3057	0.81/0.18/0	0.87/0.13/0	0.09	0.07	1.39E-04	dom	1.49	1.21-1.83
rs4663779	2	238.24	LRRFIP1	813	3048	0.44/0.47/0.09	0.52/0.4/0.08	0.32	0.28	1.90E-04	dom	1.35	1.15-1.57
rs1552484	3	12.56	LOC100129480	814	3058	0.33/0.45/0.22	0.26/0.51/0.22	0.44	0.48	1.34E-04	dom	0.72	0.61-0.85
rs2596822	3	12.57	MKRN2	812	3057	0.31/0.45/0.24	0.24/0.51/0.24	0.46	0.50	9.26E-05	dom	0.71	0.6-0.84
rs2454422	3	12.58	MKRN2	814	3055	0.31/0.46/0.23	0.24/0.51/0.24	0.46	0.50	6.22E-05	dom	0.71	0.6-0.84
rs1532533	3	12.61	RAF1	813	3058	0.3/0.46/0.24	0.31/0.51/0.18	0.47	0.44	8.55E-05	rec	1.45	1.2-1.75
rs6781484	3	33.52	CLASP2	801	3015	0.61/0.34/0.05	0.54/0.4/0.07	0.22	0.26	1.05E-04	add	0.77	0.67-0.88
rs8179967	3	33.58	CLASP2	812	3040	0.57/0.37/0.07	0.48/0.43/0.09	0.25	0.30	6.04E-05	add	0.77	0.68-0.88
rs6807542	3	33.63	CLASP2	812	3057	0.56/0.37/0.07	0.48/0.43/0.09	0.26	0.31	9.56E-05	dom	0.73	0.63-0.86
rs11707471	3	46.47	LTF	791	2980	0.55/0.38/0.07	0.49/0.4/0.11	0.26	0.31	1.73E-04	add	0.79	0.7-0.89
rs771798	3	103.2	LOC152225	812	3036	0.56/0.38/0.06	0.49/0.43/0.08	0.25	0.30	1.25E-04	add	0.78	0.69-0.88
rs771795	3	103.2	LOC152225	813	3056	0.56/0.38/0.06	0.49/0.43/0.08	0.25	0.30	1.45E-04	add	0.78	0.69-0.89
rs771797	3	103.2	LOC152225	812	3054	0.56/0.38/0.06	0.49/0.43/0.08	0.25	0.30	1.79E-04	add	0.78	0.69-0.89
rs4683863	3	103.22	LOC152225	814	3058	0.56/0.38/0.06	0.49/0.43/0.08	0.25	0.30	1.42E-04	add	0.78	0.69-0.89
rs3755579	3	120.7	KTELC1	811	3054	0.48/0.44/0.09	0.55/0.38/0.06	0.30	0.26	1.40E-04	add	1.27	1.12-1.43
rs4447803	3	120.72	C3orf1	813	3058	0.48/0.44/0.09	0.55/0.39/0.06	0.31	0.26	9.54E-05	add	1.27	1.13-1.44
rs4461452	3	120.72	C3orf1	807	3051	0.44/0.47/0.1	0.52/0.41/0.08	0.33	0.28	9.92E-05	dom	1.36	1.17-1.6
rs2886059	3	127.35	ALDH1L1	809	3055	0.65/0.32/0.03	0.72/0.25/0.03	0.19	0.16	1.23E-04	dom	1.38	1.17-1.63
rs541042	3	128.97	MGLL	814	3057	0.69/0.29/0.02	0.76/0.23/0.02	0.17	0.13	7.98E-05	dom	1.41	1.19-1.67
rs838601	3	144.7	SLC9A9	814	3058	0.28/0.53/0.19	0.35/0.47/0.18	0.46	0.42	7.23E-05	dom	1.41	1.19-1.68
rs7646910	3	185.84	EPHB3	813	3058	0.3/0.54/0.16	0.29/0.49/0.22	0.43	0.46	1.15E-04	rec	0.66	0.54-0.82
rs4686705	3	185.84	EPHB3	810	3049	0.3/0.54/0.15	0.29/0.49/0.21	0.42	0.46	1.86E-04	rec	0.67	0.54-0.83
rs1947549	4	64.16		812	3034	0.46/0.44/0.1	0.52/0.41/0.07	0.32	0.28	1.57E-04	add	1.26	1.12-1.42
rs6815080	4	66.05	EPHA5	792	3000	0.46/0.46/0.08	0.53/0.37/0.09	0.31	0.28	1.60E-04	dom	1.35	1.16-1.59
rs7690697	4	81.06	ANTXR2	814	3058	0.58/0.37/0.05	0.65/0.31/0.04	0.24	0.20	1.87E-04	dom	1.35	1.15-1.58
rs4234847	4	81.07	ANTXR2	813	3057	0.62/0.35/0.03	0.7/0.27/0.03	0.21	0.17	2.40E-05	dom	1.42	1.21-1.66
rs10034564	4	83.12		813	3051	0.23/0.55/0.23	0.29/0.49/0.21	0.50	0.46	1.63E-04	dom	1.42	1.18-1.7

rs12499753	4	123.33	ADAD1	812	3055	0.39/0.46/0.15	0.45/0.44/0.11	0.38	0.33	6.78E-05	add	1.26	1.12-1.41
rs17388568	4	123.33	ADAD1	813	3057	0.48/0.41/0.11	0.54/0.39/0.07	0.31	0.27	1.39E-04	add	1.26	1.12-1.42
rs11724582	4	123.61	IL2	809	3055	0.56/0.39/0.05	0.5/0.41/0.09	0.24	0.29	1.73E-04	add	0.78	0.69-0.89
rs11098659	4	123.62	IL2	813	3057	0.4/0.45/0.15	0.45/0.44/0.11	0.38	0.33	9.78E-05	add	1.25	1.12-1.4
rs6829845	4	123.73	IL21	813	3054	0.43/0.43/0.15	0.49/0.42/0.1	0.36	0.31	2.37E-05	add	1.28	1.14-1.43
rs925549	4	123.75	IL21	814	3057	0.43/0.43/0.14	0.49/0.42/0.09	0.35	0.30	1.37E-04	add	1.25	1.11-1.4
rs2322305	4	142.88	IL15	812	3058	0.33/0.46/0.2	0.26/0.52/0.22	0.43	0.48	7.13E-05	dom	0.71	0.6-0.84
rs1602777	4	142.88	IL15	813	3056	0.33/0.47/0.2	0.26/0.52/0.22	0.43	0.48	1.09E-04	dom	0.72	0.61-0.85
rs970509	4	142.9	IL15	811	3058	0.34/0.46/0.2	0.26/0.52/0.22	0.43	0.48	7.24E-05	dom	0.71	0.6-0.84
rs11724130	4	150.7		813	3055	0.35/0.49/0.16	0.29/0.5/0.21	0.40	0.46	1.06E-04	add	0.8	0.72-0.9
rs1125051	4	150.78		814	3058	0.35/0.49/0.16	0.29/0.5/0.21	0.40	0.46	9.96E-05	add	0.8	0.72-0.9
rs6535695	4	150.84		813	3058	0.36/0.49/0.15	0.3/0.5/0.2	0.40	0.45	9.44E-05	add	0.8	0.71-0.89
rs10520942	5	28.31		814	3058	0.72/0.25/0.03	0.78/0.21/0.02	0.15	0.12	1.93E-04	add	1.34	1.15-1.57
rs283595	5	73.28	RGNEF	814	3058	0.34/0.43/0.23	0.33/0.5/0.17	0.45	0.42	1.23E-04	rec	1.45	1.2-1.75
rs11748911	5	89.99	GPR98	812	3055	0.79/0.2/0.01	0.84/0.15/0.01	0.11	0.08	1.76E-04	dom	1.45	1.19-1.76
rs1428638	5	118.18	DTWD2	812	3044	0.82/0.18/0	0.87/0.12/0	0.09	0.07	1.63E-04	dom	1.49	1.21-1.84
rs2548997	5	131.86	IRF1	813	3058	0.52/0.39/0.09	0.44/0.45/0.11	0.29	0.33	1.82E-04	dom	0.74	0.64-0.87
rs949637	5	174.45		814	3055	0.76/0.22/0.02	0.82/0.17/0.01	0.13	0.09	2.69E-05	add	1.44	1.21-1.71
rs4700921	5	179.79	CNOT6	814	3058	0.32/0.51/0.17	0.4/0.46/0.14	0.42	0.37	9.70E-05	dom	1.39	1.18-1.63
rs17080306	5	179.79	CNOT6	811	3058	0.32/0.51/0.17	0.4/0.46/0.14	0.42	0.37	1.11E-04	dom	1.38	1.17-1.63
rs17629918	5	179.8	CNOT6	812	3058	0.29/0.52/0.18	0.36/0.47/0.16	0.44	0.40	1.78E-04	dom	1.38	1.17-1.63
rs12191519	6	52.3	LOC647163	814	3057	0.31/0.48/0.21	0.36/0.47/0.16	0.45	0.40	6.25E-05	add	1.25	1.12-1.4
rs7772171	6	106.48	PRDM1	808	3047	0.52/0.43/0.05	0.59/0.35/0.06	0.27	0.23	1.26E-04	dom	1.36	1.16-1.59
rs633724	6	106.84	ATG5	814	3050	0.35/0.48/0.17	0.42/0.45/0.13	0.41	0.35	1.19E-04	add	1.25	1.11-1.39
rs533685	6	106.93	ATG5	812	3035	0.81/0.18/0	0.87/0.13/0.01	0.10	0.07	1.26E-04	dom	1.5	1.22-1.84
rs3862834	6	108.14	SOBP	813	3056	0.63/0.31/0.06	0.54/0.4/0.06	0.22	0.26	1.44E-05	dom	0.7	0.6-0.82
rs1624055	6	108.14	SOBP	813	3053	0.62/0.32/0.06	0.54/0.4/0.06	0.22	0.26	8.41E-05	dom	0.73	0.62-0.85
rs1629910	6	108.14	SOBP	813	3058	0.62/0.32/0.06	0.54/0.4/0.06	0.22	0.26	1.05E-04	dom	0.73	0.62-0.86
rs1621495	6	108.14	SOBP	800	3020	0.58/0.35/0.07	0.5/0.42/0.07	0.25	0.28	1.08E-04	dom	0.73	0.63-0.86
rs1728123	6	108.14	SOBP	814	3058	0.62/0.32/0.06	0.54/0.4/0.06	0.22	0.26	1.57E-04	dom	0.74	0.63-0.86
rs6922304	6	108.17	SCML4	813	3058	0.71/0.25/0.04	0.64/0.32/0.04	0.16	0.20	1.92E-04	dom	0.73	0.61-0.86

rs9320231	6	108.18	SCML4	811	3050	0.71/0.25/0.04	0.64/0.33/0.04	0.17	0.20	1.16E-04	dom	0.72	0.61-0.85
rs12664414	6	108.18	SCML4	814	3052	0.71/0.25/0.04	0.64/0.33/0.04	0.17	0.20	1.79E-04	dom	0.72	0.61-0.86
rs1321270	6	132.51	MOXD1	813	3057	0.24/0.49/0.26	0.3/0.49/0.21	0.51	0.46	1.37E-04	add	1.24	1.11-1.38
rs2614264	6	135.75	AHI1	813	3050	0.25/0.52/0.23	0.32/0.49/0.19	0.49	0.44	1.54E-04	add	1.24	1.11-1.38
rs6463967	7	10.09		813	3058	0.56/0.39/0.05	0.63/0.32/0.04	0.25	0.21	1.89E-04	dom	1.35	1.15-1.58
rs17143897	7	21.13		807	3038	0.63/0.3/0.06	0.68/0.29/0.03	0.21	0.17	1.63E-04	add	1.3	1.13-1.49
rs3173734	7	32.59	AVL9	812	3050	0.56/0.34/0.09	0.55/0.39/0.06	0.27	0.25	9.71E-05	rec	1.75	1.32-2.31
rs2621208	7	93.88	COL1A2	814	3054	0.59/0.34/0.07	0.64/0.33/0.03	0.24	0.19	1.06E-04	add	1.3	1.14-1.48
rs4729451	7	97.96	BAIAP2L1	814	3056	0.81/0.18/0.01	0.87/0.13/0	0.10	0.07	3.56E-05	add	1.5	1.24-1.81
rs390547	7	107.51	LAMB4	813	3048	0.21/0.51/0.29	0.27/0.49/0.23	0.54	0.48	3.05E-05	add	1.26	1.13-1.41
rs1550950	8	0.32	FBXO25	813	3058	0.8/0.19/0.01	0.74/0.24/0.02	0.10	0.14	1.73E-04	add	0.72	0.6-0.85
rs1550948	8	0.33	FBXO25	813	3058	0.75/0.23/0.02	0.68/0.29/0.03	0.14	0.18	1.71E-04	dom	0.71	0.6-0.85
rs4871834	8	22.71	PEBP4	810	3055	0.41/0.45/0.14	0.34/0.48/0.18	0.37	0.42	6.33E-05	add	0.8	0.71-0.89
rs7836768	8	65.55	MIR124-2	814	3058	0.35/0.49/0.16	0.43/0.45/0.13	0.40	0.35	1.51E-04	add	1.24	1.11-1.39
rs381349	8	81.61	ZBTB10	812	3049	0.86/0.14/0.01	0.79/0.2/0.01	0.08	0.11	2.87E-05	dom	0.63	0.51-0.78
rs1788148	8	100.83	VPS13B	812	3056	0.73/0.25/0.02	0.79/0.2/0.01	0.14	0.11	1.86E-04	dom	1.4	1.17-1.68
rs678839	8	103.98	AZIN1	808	2990	0.58/0.37/0.05	0.51/0.41/0.08	0.24	0.28	1.64E-04	add	0.78	0.69-0.89
rs1532560	8	129.12	MIR1207	814	3058	0.65/0.3/0.05	0.56/0.37/0.07	0.20	0.25	1.67E-05	dom	0.7	0.6-0.82
rs12002949	9	1.46		806	3030	0.9/0.09/0	0.83/0.16/0.01	0.05	0.09	5.98E-07	dom	0.53	0.41-0.68
rs1536689	9	16.12		814	3055	0.56/0.38/0.07	0.63/0.33/0.05	0.25	0.21	1.87E-04	add	1.28	1.12-1.45
rs10814234	9	35.4	UNC13B	814	3058	0.73/0.25/0.01	0.79/0.2/0.01	0.14	0.11	1.64E-04	dom	1.41	1.18-1.69
rs10735544	9	82.16		812	3058	0.27/0.47/0.25	0.31/0.5/0.19	0.49	0.44	1.40E-04	add	1.24	1.11-1.38
rs12686543	9	82.17		814	3051	0.54/0.39/0.07	0.62/0.34/0.04	0.26	0.21	2.52E-05	add	1.31	1.16-1.49
rs7851576	9	82.17		810	3056	0.35/0.47/0.18	0.28/0.51/0.21	0.41	0.46	1.89E-04	dom	0.73	0.62-0.86
rs4877557	9	82.18		812	3050	0.33/0.46/0.21	0.38/0.48/0.14	0.44	0.38	1.95E-05	add	1.28	1.14-1.43
rs11250787	10	1.82	ADARB2	814	3058	0.26/0.55/0.19	0.33/0.49/0.18	0.47	0.43	1.93E-04	dom	1.39	1.17-1.66
rs4367871	10	1.84	ADARB2	814	3057	0.27/0.55/0.18	0.35/0.48/0.17	0.45	0.41	7.00E-05	dom	1.42	1.19-1.68
rs10795791	10	6.15	IL2RA	814	3058	0.29/0.5/0.21	0.35/0.48/0.17	0.46	0.41	1.60E-04	add	1.24	1.11-1.38
rs1999241	10	26.61	GAD2	808	3055	0.44/0.47/0.09	0.52/0.4/0.09	0.32	0.28	1.68E-04	dom	1.35	1.15-1.58
rs16917442	10	63.98	ZNF365	801	3034	0.61/0.32/0.07	0.53/0.38/0.08	0.23	0.27	1.34E-04	dom	0.73	0.63-0.86
rs12416113	10	64.57	NRBF2	812	3051	0.66/0.32/0.03	0.75/0.23/0.02	0.19	0.14	2.39E-07	dom	1.55	1.31-1.83

rs11817689	10	64.59	JMJD1C	814	3055	0.65/0.32/0.03	0.75/0.23/0.02	0.19	0.14	9.77E-08	dom	1.57	1.33-1.86
rs1009984	10	64.59	NRBF2	814	3058	0.64/0.32/0.04	0.73/0.25/0.02	0.20	0.15	2.60E-06	dom	1.48	1.26-1.75
rs7082090	10	64.67	JMJD1C	813	3058	0.66/0.31/0.03	0.75/0.23/0.02	0.19	0.14	2.20E-07	dom	1.55	1.32-1.84
rs9414780	10	64.67	JMJD1C	809	3053	0.66/0.31/0.03	0.75/0.23/0.02	0.18	0.14	5.95E-07	dom	1.53	1.3-1.81
rs9414788	10	64.73	JMJD1C	813	3042	0.66/0.31/0.03	0.75/0.23/0.02	0.19	0.14	2.48E-07	dom	1.55	1.31-1.83
rs10761745	10	64.77	JMJD1C	813	3058	0.66/0.31/0.03	0.75/0.23/0.02	0.19	0.14	2.23E-07	dom	1.55	1.32-1.84
rs10761744	10	64.77	JMJD1C	814	3057	0.66/0.31/0.03	0.75/0.23/0.02	0.18	0.14	2.56E-07	dom	1.55	1.31-1.83
rs9415699	10	64.81	JMJD1C	814	3058	0.66/0.31/0.03	0.75/0.23/0.02	0.19	0.14	1.72E-07	dom	1.56	1.32-1.84
rs9415705	10	64.83	JMJD1C	814	3056	0.66/0.31/0.03	0.75/0.23/0.02	0.19	0.14	1.84E-07	dom	1.56	1.32-1.84
rs2893922	10	64.92	LOC100128604	814	3056	0.66/0.31/0.03	0.75/0.23/0.02	0.19	0.14	3.19E-07	dom	1.54	1.31-1.82
rs10761781	10	64.95	REEP3	814	3056	0.6/0.35/0.05	0.68/0.29/0.03	0.22	0.18	3.95E-05	dom	1.4	1.19-1.64
rs16918575	10	64.97	REEP3	809	3056	0.66/0.32/0.02	0.76/0.22/0.02	0.18	0.13	1.67E-07	dom	1.57	1.32-1.85
rs4746201	10	64.99	REEP3	814	3058	0.68/0.3/0.02	0.77/0.21/0.02	0.17	0.13	1.01E-07	dom	1.58	1.34-1.88
rs1426619	10	90.08	C10orf59	814	3058	0.39/0.45/0.16	0.32/0.49/0.19	0.38	0.44	5.78E-05	dom	0.72	0.61-0.84
rs10882303	10	95.44	C10orf4	782	2954	0.73/0.25/0.01	0.8/0.19/0.01	0.14	0.10	1.08E-05	add	1.47	1.24-1.75
rs11188409	10	97.38	ALDH18A1	811	3057	0.66/0.32/0.03	0.59/0.36/0.05	0.19	0.23	1.42E-04	add	0.76	0.66-0.88
rs4453231	11	11.36	GALNTL4	814	3057	0.49/0.42/0.09	0.43/0.45/0.12	0.30	0.35	1.72E-04	add	0.8	0.71-0.9
rs10832890	11	18.13	MRGPRX3	813	3057	0.57/0.37/0.07	0.49/0.43/0.08	0.25	0.30	7.52E-05	dom	0.73	0.62-0.85
rs2863140	11	44.98	LOC221122	814	3058	0.3/0.51/0.19	0.25/0.51/0.24	0.44	0.50	1.70E-04	add	0.81	0.72-0.9
rs12283172	11	46.4	AMBRA1	806	3051	0.74/0.24/0.02	0.67/0.3/0.03	0.14	0.18	1.75E-04	dom	0.72	0.6-0.85
rs6489438	12	3.1	TSPAN9	812	3057	0.53/0.39/0.08	0.59/0.36/0.05	0.27	0.23	1.14E-04	add	1.28	1.13-1.45
rs11047723	12	24.99	BCAT1	804	3043	0.55/0.37/0.08	0.47/0.45/0.08	0.27	0.31	1.06E-04	dom	0.73	0.63-0.86
rs10880908	12	44.77	SFRS2IP	814	3058	0.3/0.53/0.17	0.27/0.5/0.23	0.44	0.48	1.28E-04	rec	0.67	0.55-0.83
rs872969	12	91.17	BTG1	809	3056	0.46/0.43/0.11	0.53/0.41/0.07	0.32	0.27	5.10E-05	add	1.28	1.14-1.45
rs11059562	12	127.23		813	3058	0.56/0.39/0.05	0.64/0.32/0.04	0.24	0.20	2.28E-05	dom	1.4	1.2-1.64
rs4941939	13	39.15	COG6	813	3058	0.34/0.46/0.2	0.38/0.49/0.13	0.43	0.38	1.69E-04	add	1.24	1.11-1.39
rs17061417	13	61.96		811	3023	0.83/0.15/0.02	0.81/0.18/0.01	0.10	0.10	2.37E-05	rec	4.33	2.19-8.53
rs17063408	13	74.18		814	3057	0.57/0.39/0.04	0.65/0.3/0.04	0.24	0.20	7.55E-06	dom	1.43	1.22-1.68
rs17102539	14	20.74	HNRNPC	813	3058	0.76/0.23/0.01	0.82/0.17/0.01	0.12	0.09	6.02E-05	dom	1.46	1.22-1.76
rs8020810	14	24.64	STXBP6	814	3058	0.75/0.22/0.02	0.69/0.29/0.03	0.14	0.17	1.63E-04	dom	0.71	0.6-0.85
rs7359140	14	75	JDP2	814	3057	0.32/0.45/0.23	0.33/0.49/0.17	0.46	0.42	1.06E-04	rec	1.45	1.2-1.75

rs7359152	14	75	JDP2	813	3047	0.31/0.45/0.23	0.33/0.5/0.17	0.46	0.42	1.32E-04	rec	1.44	1.2-1.74
rs8043332	15	96.89	FAM169B	813	3058	0.44/0.44/0.13	0.49/0.43/0.08	0.34	0.29	1.30E-04	add	1.26	1.12-1.42
rs11074618	16	24.29	CACNG3	814	3056	0.36/0.5/0.15	0.31/0.48/0.21	0.40	0.45	1.03E-04	add	0.8	0.72-0.9
rs9936233	16	24.29	CACNG3	814	3058	0.78/0.21/0.01	0.71/0.26/0.02	0.12	0.15	1.35E-04	add	0.72	0.61-0.85
rs9930106	16	51.56	CHD9	811	3054	0.53/0.4/0.07	0.61/0.34/0.06	0.27	0.22	6.77E-05	dom	1.37	1.17-1.61
rs2432414	16	79.45	CDYL2	811	3058	0.25/0.46/0.28	0.27/0.51/0.22	0.52	0.48	1.64E-04	rec	1.4	1.18-1.67
rs4790365	17	2.66	GARNL4	813	3058	0.62/0.32/0.06	0.68/0.29/0.03	0.22	0.18	1.17E-04	add	1.3	1.14-1.49
rs11653603	17	10.21	MYH13	808	3051	0.52/0.41/0.07	0.61/0.34/0.05	0.27	0.22	2.12E-05	dom	1.4	1.2-1.64
rs12950258	17	10.21	MYH13	809	3057	0.53/0.4/0.07	0.61/0.34/0.05	0.27	0.22	5.93E-05	dom	1.38	1.18-1.61
rs11658620	17	10.21	MYH13	809	3047	0.53/0.4/0.07	0.6/0.34/0.05	0.27	0.23	7.80E-05	dom	1.37	1.17-1.6
rs12951092	17	10.21	MYH13	814	3058	0.54/0.39/0.07	0.61/0.34/0.05	0.27	0.22	9.42E-05	dom	1.36	1.17-1.59
rs10521213	17	13.11		813	3057	0.62/0.34/0.04	0.56/0.38/0.07	0.21	0.26	7.23E-05	add	0.76	0.67-0.87
rs230922	17	15.06	PMP22	812	3043	0.48/0.41/0.11	0.54/0.39/0.07	0.32	0.27	2.08E-05	add	1.3	1.15-1.46
rs230915	17	15.15	PMP22	810	3057	0.3/0.49/0.21	0.36/0.48/0.16	0.45	0.40	1.19E-04	add	1.24	1.11-1.39
rs9901734	17	23.11	NOS2	814	3058	0.64/0.33/0.03	0.57/0.37/0.06	0.20	0.24	1.23E-04	add	0.77	0.67-0.88
rs2526354	17	55.33	RPS6KB1	802	3029	0.61/0.35/0.04	0.68/0.29/0.03	0.22	0.18	1.01E-04	add	1.31	1.14-1.5
rs11659412	18	7.05	LAMA1	811	3050	0.29/0.56/0.15	0.38/0.48/0.14	0.43	0.38	4.46E-06	dom	1.48	1.25-1.76
rs2542151	18	12.77	PTPN2	811	3020	0.62/0.33/0.05	0.7/0.28/0.02	0.21	0.16	2.50E-07	add	1.45	1.26-1.67
rs2542160	18	12.78	PTPN2	814	3058	0.47/0.43/0.1	0.41/0.46/0.13	0.31	0.36	1.79E-04	add	0.8	0.71-0.9
rs2847297	18	12.79	PTPN2	814	3058	0.37/0.46/0.17	0.44/0.44/0.12	0.40	0.34	3.06E-06	add	1.31	1.17-1.46
rs16939895	18	12.81	PTPN2	814	3058	0.62/0.32/0.06	0.7/0.27/0.03	0.22	0.16	5.52E-08	add	1.45	1.27-1.66
rs2847281	18	12.81	PTPN2	811	3048	0.44/0.44/0.12	0.36/0.48/0.17	0.34	0.40	4.20E-06	add	0.76	0.68-0.86
rs8087237	18	12.82	PTPN2	808	3008	0.37/0.45/0.17	0.29/0.5/0.21	0.40	0.46	2.24E-06	dom	0.67	0.57-0.79
rs7234029	18	12.87	PTPN2	814	3058	0.61/0.33/0.06	0.7/0.27/0.03	0.22	0.16	1.65E-08	add	1.47	1.29-1.68
rs12968853	18	40.16		814	3058	0.61/0.36/0.04	0.54/0.39/0.07	0.22	0.26	8.71E-05	add	0.77	0.67-0.88
rs12970803	18	45.45	LIPG	814	3058	0.63/0.32/0.05	0.56/0.39/0.06	0.21	0.25	1.33E-04	dom	0.73	0.62-0.86
rs6507952	18	45.53	ACAA2	814	3058	0.51/0.38/0.11	0.57/0.37/0.06	0.30	0.25	4.29E-05	add	1.29	1.14-1.45
rs7241641	18	45.53	LIPG	813	3052	0.52/0.38/0.11	0.57/0.37/0.06	0.30	0.25	8.66E-05	add	1.27	1.13-1.44
rs7237886	18	71.94		813	3058	0.29/0.54/0.17	0.36/0.49/0.15	0.44	0.40	1.65E-04	dom	1.38	1.17-1.64
rs4267414	18	72.35	LOC284276	809	3049	0.47/0.44/0.08	0.55/0.37/0.08	0.30	0.26	1.08E-04	dom	1.36	1.16-1.59
rs2230611	19	5.16	PTPRS	814	3058	0.75/0.23/0.02	0.81/0.18/0.01	0.14	0.10	1.26E-04	add	1.38	1.17-1.63

rs10419891	19	58.28	ZNF160	811	3055	0.2/0.56/0.24	0.27/0.5/0.23	0.52	0.48	1.07E-04	dom	1.45	1.2-1.75
rs7255074	19	58.51	BIRC8	814	3058	0.32/0.53/0.15	0.29/0.49/0.22	0.42	0.46	5.31E-05	rec	0.65	0.53-0.8
rs652325	20	10.42	C20orf94	811	3052	0.6/0.37/0.03	0.55/0.38/0.08	0.22	0.27	1.62E-04	add	0.78	0.68-0.89
rs622293	20	10.42	C20orf94	813	3058	0.59/0.37/0.03	0.54/0.38/0.08	0.22	0.27	1.78E-04	add	0.78	0.68-0.89
rs6058022	20	29.57	HM13	814	3058	0.75/0.22/0.02	0.68/0.29/0.03	0.14	0.17	1.18E-04	dom	0.71	0.59-0.84
rs6059980	20	29.61	HM13	814	3057	0.75/0.22/0.02	0.68/0.29/0.03	0.14	0.17	1.74E-04	dom	0.71	0.6-0.85
rs6120719	20	29.62	HM13	813	3048	0.75/0.22/0.02	0.68/0.29/0.03	0.14	0.17	5.28E-05	dom	0.69	0.58-0.83
rs11906851	20	29.62	HM13	813	3058	0.75/0.22/0.02	0.68/0.29/0.03	0.14	0.17	1.24E-04	dom	0.71	0.59-0.84
rs6126970	20	51.85	SUMO1P1	811	3049	0.34/0.47/0.18	0.4/0.47/0.13	0.42	0.37	1.12E-04	add	1.25	1.11-1.39
rs6025837	20	55.86	PMEPA1	792	2933	0.66/0.32/0.02	0.74/0.25/0.02	0.18	0.14	6.26E-05	dom	1.41	1.19-1.67
rs2834890	21	35.6		809	3034	0.51/0.42/0.07	0.45/0.44/0.1	0.28	0.33	1.92E-04	add	0.79	0.7-0.9
rs2837193	21	40.06	IGSF5	807	3027	0.31/0.54/0.15	0.38/0.47/0.15	0.42	0.38	1.41E-04	dom	1.38	1.17-1.63
rs462782	21	40.11	IGSF5	814	3058	0.31/0.54/0.15	0.38/0.47/0.14	0.42	0.38	6.84E-05	dom	1.4	1.19-1.65
rs458297	21	40.11	IGSF5	814	3058	0.31/0.54/0.15	0.38/0.47/0.15	0.42	0.38	9.62E-05	dom	1.39	1.18-1.64
rs380673	21	40.15	PCP4	813	3057	0.44/0.46/0.09	0.52/0.41/0.08	0.33	0.28	1.91E-04	dom	1.35	1.15-1.57
rs1534884	22	27.1	TTC28	813	3053	0.72/0.26/0.02	0.79/0.2/0.02	0.15	0.11	7.45E-05	dom	1.43	1.2-1.71
rs6005975	22	27.78	C22orf31	813	3056	0.27/0.54/0.19	0.26/0.48/0.26	0.46	0.50	1.26E-04	rec	0.69	0.57-0.83
rs5999854	22	34.24	RASD2	810	3057	0.29/0.46/0.26	0.31/0.5/0.19	0.48	0.44	2.97E-05	rec	1.47	1.23-1.77