

Supplemental Table 3 (a). Case-control association analysis when cases stratified based upon ACR criteria

SNP	BP	No Enhancement (1545/1593)*		ANA (1435/1593)		Arthritis (1236/1593)	
		P	OR (95% C.I.)	P	OR (95% C.I.)	P	OR (95% C.I.)
rs3808391	56953203	0.0545	1.1 (1-1.22)	0.09823	1.09 (0.98-1.21)	0.08086	1.1 (0.99-1.22)
rs182832	56953415	0.4885	1.05 (0.92-1.18)	0.4912	1.05 (0.92-1.19)	0.4826	1.05 (0.92-1.19)
rs6983130	56955793	0.0006718	0.79 (0.69-0.91)	0.0009988	0.79 (0.69-0.91)	0.003281	0.81 (0.7-0.93)
rs6474026	56956047	0.013	0.85 (0.75-0.97)	0.02273	0.86 (0.76-0.98)	0.03196	0.86 (0.76-0.99)
rs7834615	56959994	0.1156	1.08 (0.98-1.2)	0.2169	1.07 (0.96-1.18)	0.178	1.08 (0.97-1.2)
rs16922309	56963245	0.3053	0.89 (0.7-1.12)	0.4537	0.91 (0.72-1.16)	0.1617	0.84 (0.65-1.08)
rs333619	56964623	0.1413	1.08 (0.98-1.19)	0.2421	1.06 (0.96-1.18)	0.09874	1.09 (0.98-1.22)
rs7820484	56968031	0.901	1.02 (0.75-1.39)	0.7191	1.06 (0.77-1.45)	0.5404	1.11 (0.81-1.52)
rs7005312	56968993	0.7502	0.98 (0.89-1.09)	0.9055	1.01 (0.91-1.12)	0.4426	0.96 (0.86-1.07)
rs1466138	56970495	0.2394	0.9 (0.75-1.08)	0.1548	0.87 (0.72-1.05)	0.2689	0.9 (0.74-1.09)
rs7840325	56971216	0.3255	1.05 (0.95-1.16)	0.4342	1.04 (0.94-1.15)	0.1377	1.08 (0.97-1.2)
rs9643489	56972210	0.3632	0.92 (0.77-1.1)	0.3652	0.92 (0.77-1.1)	0.4343	0.93 (0.77-1.12)
rs7831367	56973233	0.3795	0.93 (0.78-1.1)	0.3915	0.93 (0.78-1.11)	0.5621	0.95 (0.79-1.14)
rs1980042	56975196	0.3248	0.95 (0.86-1.05)	0.3925	0.96 (0.86-1.06)	0.09963	0.91 (0.82-1.02)
rs1027990	56976863	0.2639	0.94 (0.85-1.04)	0.3178	0.95 (0.86-1.05)	0.07419	0.91 (0.82-1.01)
rs1027989	56976975	0.3265	0.92 (0.77-1.09)	0.3277	0.91 (0.77-1.09)	0.4275	0.93 (0.77-1.12)
rs6474030	56980702	0.5233	0.95 (0.81-1.11)	0.6038	0.96 (0.82-1.12)	0.5739	0.95 (0.81-1.13)
rs4551325	56985745	0.01032	0.87 (0.78-0.97)	0.01713	0.88 (0.79-0.98)	0.008486	0.86 (0.77-0.96)
rs1397976	56987939	0.01184	0.87 (0.79-0.97)	0.01527	0.88 (0.79-0.97)	0.004764	0.85 (0.76-0.95)
rs6474033	56988570	0.8182	0.98 (0.84-1.15)	0.9304	0.99 (0.85-1.16)	0.7799	0.98 (0.83-1.15)
rs10095917	56992814	0.02599	0.87 (0.78-0.98)	0.02377	0.87 (0.77-0.98)	0.007295	0.84 (0.74-0.95)
rs6985030	57007430	0.05938	0.88 (0.77-1.01)	0.07403	0.88 (0.77-1.01)	0.0475	0.86 (0.75-1)
rs16922425	57008823	0.494	1.04 (0.94-1.14)	0.4542	1.04 (0.94-1.15)	0.4479	1.04 (0.94-1.16)
rs7829816	57011940	0.02829	0.87 (0.77-0.99)	0.03559	0.87 (0.77-0.99)	0.01071	0.84 (0.74-0.96)
rs2100245	57012654	0.02507	0.87 (0.77-0.98)	0.02308	0.87 (0.77-0.98)	0.005228	0.83 (0.73-0.95)
rs16922459	57016726	0.02683	0.86 (0.75-0.98)	0.03382	0.86 (0.75-0.99)	0.02004	0.84 (0.73-0.97)
rs12334430	57022514	0.03787	0.88 (0.77-0.99)	0.04512	0.88 (0.77-1)	0.01851	0.85 (0.75-0.97)
rs16922463	57024223	0.0361	0.87 (0.77-0.99)	0.04227	0.88 (0.77-1)	0.0182	0.85 (0.74-0.97)
rs7813271	57025705	0.04089	0.88 (0.77-0.99)	0.04778	0.88 (0.77-1)	0.01771	0.85 (0.74-0.97)
rs2292419	57029334	0.1713	1.08 (0.97-1.2)	0.1688	1.08 (0.97-1.21)	0.09492	1.1 (0.98-1.24)
rs10089932	57029511	0.4236	1.05 (0.94-1.17)	0.3744	1.05 (0.94-1.17)	0.2537	1.07 (0.95-1.2)
rs7828258	57030499	0.3626	1.05 (0.95-1.16)	0.3553	1.05 (0.95-1.16)	0.2639	1.06 (0.96-1.18)
rs2668017	57032420	0.9655	1 (0.9-1.12)	0.961	1 (0.89-1.13)	0.5739	1.04 (0.92-1.17)
rs2719240	57032602	0.9127	1.01 (0.9-1.12)	0.9441	1 (0.9-1.12)	0.7304	1.02 (0.91-1.15)
rs2719268	57034636	0.9311	1.01 (0.9-1.13)	0.9246	1.01 (0.9-1.13)	0.5739	1.04 (0.92-1.17)
rs2668021	57036101	0.2642	0.94 (0.84-1.05)	0.2305	0.93 (0.83-1.05)	0.1287	0.91 (0.81-1.03)
rs12114560	57037042	0.9759	1 (0.77-1.3)	0.8686	0.98 (0.75-1.28)	0.7129	0.95 (0.72-1.26)
rs2719266	57037257	0.2152	0.94 (0.85-1.04)	0.2094	0.94 (0.85-1.04)	0.2489	0.94 (0.85-1.05)
rs2719265	57037831	0.2358	0.94 (0.85-1.04)	0.2295	0.94 (0.85-1.04)	0.2544	0.94 (0.85-1.05)
rs907425	57038845	0.1699	0.93 (0.84-1.03)	0.1518	0.93 (0.84-1.03)	0.1503	0.93 (0.83-1.03)
rs1877301	57039144	0.1799	0.93 (0.85-1.03)	0.1815	0.93 (0.84-1.03)	0.2097	0.93 (0.84-1.04)
rs868541	57039314	0.1722	0.93 (0.84-1.03)	0.1746	0.93 (0.84-1.03)	0.2038	0.93 (0.84-1.04)
rs13257714	57040111	0.7602	0.98 (0.87-1.11)	0.7233	0.98 (0.86-1.11)	0.9033	0.99 (0.87-1.13)
rs2667985	57042912	0.07319	0.87 (0.75-1.01)	0.07427	0.87 (0.75-1.01)	0.08717	0.87 (0.74-1.02)
rs1027987	57044737	0.1981	0.94 (0.85-1.04)	0.2008	0.94 (0.85-1.04)	0.2206	0.94 (0.84-1.04)
rs1027986	57045025	0.1982	0.94 (0.85-1.04)	0.201	0.94 (0.85-1.04)	0.221	0.94 (0.84-1.04)
rs907423	57046172	0.197	0.94 (0.85-1.04)	0.1928	0.93 (0.84-1.04)	0.2409	0.94 (0.84-1.04)
rs952784	57046643	0.6982	0.98 (0.86-1.1)	0.6614	0.97 (0.86-1.1)	0.8346	0.99 (0.87-1.12)
rs7838485	57048155	0.6382	0.97 (0.86-1.1)	0.5988	0.97 (0.85-1.1)	0.7863	0.98 (0.86-1.12)
rs2719232	57048738	0.164	0.93 (0.84-1.03)	0.1652	0.93 (0.84-1.03)	0.2013	0.93 (0.84-1.04)
rs10101914	57049241	0.8825	0.99 (0.88-1.12)	0.8267	0.99 (0.87-1.12)	0.959	1 (0.88-1.14)
rs16922502	57049990	0.6697	0.97 (0.86-1.1)	0.6296	0.97 (0.86-1.1)	0.8085	0.98 (0.86-1.12)
rs2466007	57051741	0.1308	0.93 (0.84-1.02)	0.1359	0.93 (0.84-1.03)	0.1359	0.92 (0.83-1.03)
rs16922508	57054784	0.4229	0.95 (0.85-1.07)	0.471	0.96 (0.85-1.08)	0.3326	0.94 (0.83-1.06)
rs7828483	57055442	0.5136	0.96 (0.85-1.08)	0.736	0.98 (0.87-1.11)	0.3742	0.94 (0.83-1.07)
rs2719246	57056975	0.06758	0.88 (0.76-1.01)	0.08105	0.88 (0.76-1.02)	0.1829	0.9 (0.78-1.05)
rs2667978	57060505	0.2389	0.93 (0.82-1.05)	0.2863	0.93 (0.83-1.06)	0.2004	0.92 (0.81-1.05)
rs16920176	57061690	0.8558	1.02 (0.79-1.32)	0.9226	1.01 (0.78-1.31)	0.9387	0.99 (0.75-1.3)
rs16920186	57063272	0.8558	1.02 (0.79-1.32)	0.9226	1.01 (0.78-1.31)	0.9387	0.99 (0.75-1.3)
rs4061077	57065996	0.3614	0.95 (0.85-1.06)	0.3947	0.95 (0.85-1.07)	0.2539	0.93 (0.82-1.05)
rs9650314	57066164	0.2602	0.93 (0.83-1.05)	0.3075	0.94 (0.83-1.06)	0.2118	0.92 (0.81-1.05)
rs16920192	57066580	0.3459	0.95 (0.84-1.06)	0.3774	0.95 (0.84-1.07)	0.2395	0.93 (0.82-1.05)
rs1912818	57066875	0.3365	0.95 (0.84-1.06)	0.3659	0.95 (0.84-1.07)	0.2283	0.93 (0.82-1.05)
rs2719252	57067406	0.3244	0.94 (0.84-1.06)	0.3469	0.95 (0.84-1.06)	0.2382	0.93 (0.82-1.05)
rs2719253	57067720	0.3614	0.95 (0.85-1.06)	0.3947	0.95 (0.85-1.07)	0.2539	0.93 (0.82-1.05)
rs2667974	57067931	0.3591	0.95 (0.84-1.06)	0.4489	0.96 (0.85-1.08)	0.3005	0.94 (0.83-1.06)
rs10282821	57068622	0.7212	1.02 (0.91-1.15)	0.8109	1.02 (0.9-1.15)	0.5833	1.04 (0.91-1.18)
rs2667972	57069215	0.2764	0.93 (0.83-1.06)	0.3266	0.94 (0.83-1.06)	0.2285	0.92 (0.81-1.05)
rs2719243	57069530	0.3614	0.95 (0.85-1.06)	0.3947	0.95 (0.85-1.07)	0.2539	0.93 (0.82-1.05)
rs2719242	57069786	0.32	0.94 (0.84-1.06)	0.339	0.94 (0.84-1.06)	0.2316	0.93 (0.82-1.05)
rs4738466	57073255	0.03687	0.85 (0.74-0.99)	0.03526	0.85 (0.73-0.99)	0.0297	0.84 (0.72-0.98)
rs3106348	57079720	0.3475	0.95 (0.84-1.06)	0.3783	0.95 (0.84-1.07)	0.2372	0.93 (0.82-1.05)
rs7824121	57084226	0.06319	0.87 (0.75-1.01)	0.05938	0.86 (0.74-1.01)	0.05841	0.86 (0.73-1.01)

Abbreviations: SNP, Single Nuclear Polymorphism; BP, Base Position; MAF Case, Minor Allele Frequency in cases; MAF Control, Minor Allele Frequency in Controls; P, p-value; OR, Odds Ratio; C.I., Confidence Interval

* (# cases/# controls)

Supplemental Table 3 (b). Case-control association analysis when cases stratified based upon ACR criteria

SNP	BP	No Enhancement (1545/1593)*		Discoid Rash (147/1593)		Hematological Disorders (666/1593)	
		P	OR (95% C.I.)	P	OR (95% C.I.)	P	OR (95% C.I.)
rs3808391	56953203	0.0545	1.1 (1-1.22)	0.08679	1.23 (0.97-1.57)	0.06545	1.13 (0.99-1.29)
rs182832	56953415	0.4885	1.05 (0.92-1.18)	0.954	0.99 (0.73-1.34)	0.464	1.06 (0.91-1.24)
rs6983130	56955793	0.0006718	0.79 (0.69-0.91)	0.1827	0.8 (0.57-1.11)	0.001479	0.75 (0.62-0.89)
rs6474026	56956047	0.013	0.85 (0.75-0.97)	0.1647	0.8 (0.58-1.1)	0.0319	0.83 (0.71-0.98)
rs7834615	56959994	0.1156	1.08 (0.98-1.2)	0.2001	1.17 (0.92-1.49)	0.1158	1.11 (0.97-1.26)
rs16922309	56963245	0.3053	0.89 (0.7-1.12)	0.809	0.93 (0.53-1.63)	0.4748	0.9 (0.66-1.21)
rs333619	56964623	0.1413	1.08 (0.98-1.19)	0.3377	1.12 (0.88-1.43)	0.1344	1.1 (0.97-1.25)
rs7820484	56968031	0.901	1.02 (0.75-1.39)	0.6409	1.18 (0.59-2.37)	0.8519	1.04 (0.7-1.54)
rs7005312	56968993	0.7502	0.98 (0.89-1.09)	0.7159	1.05 (0.82-1.34)	0.6592	0.97 (0.85-1.11)
rs1466138	56970495	0.2394	0.9 (0.75-1.08)	0.04696	0.59 (0.34-1)	0.1491	0.84 (0.66-1.07)
rs7840325	56971216	0.3255	1.05 (0.95-1.16)	0.7714	1.04 (0.81-1.32)	0.1503	1.1 (0.97-1.25)
rs9643489	56972210	0.3632	0.92 (0.77-1.1)	0.1632	0.72 (0.45-1.15)	0.2242	0.87 (0.69-1.09)
rs7831367	56973233	0.3795	0.93 (0.78-1.1)	0.2774	0.78 (0.5-1.22)	0.3014	0.89 (0.71-1.11)
rs1980042	56975196	0.3248	0.95 (0.86-1.05)	0.6206	1.06 (0.84-1.35)	0.7186	0.98 (0.86-1.11)
rs1027990	56976863	0.2639	0.94 (0.85-1.04)	0.7703	1.04 (0.81-1.32)	0.5812	0.96 (0.85-1.1)
rs1027989	56976975	0.3265	0.92 (0.77-1.09)	0.1721	0.72 (0.45-1.16)	0.1859	0.86 (0.68-1.08)
rs6474030	56980702	0.5233	0.95 (0.81-1.11)	0.5722	0.89 (0.61-1.32)	0.4213	0.92 (0.75-1.13)
rs4551325	56985745	0.01032	0.87 (0.78-0.97)	0.1216	0.81 (0.63-1.06)	0.01762	0.85 (0.74-0.97)
rs1397976	56987939	0.01184	0.87 (0.79-0.97)	0.1279	0.82 (0.63-1.06)	0.01217	0.84 (0.73-0.96)
rs6474033	56988570	0.8182	0.98 (0.84-1.15)	0.6913	0.93 (0.63-1.36)	0.5662	0.94 (0.77-1.16)
rs10095917	56992814	0.02599	0.87 (0.78-0.98)	0.2786	0.85 (0.63-1.14)	0.02228	0.83 (0.71-0.97)
rs6985030	57007430	0.05938	0.88 (0.77-1.01)	0.3129	0.84 (0.6-1.18)	0.1169	0.87 (0.73-1.04)
rs16922425	57008823	0.494	1.04 (0.94-1.14)	0.5721	1.07 (0.84-1.36)	0.5683	1.04 (0.91-1.18)
rs7829816	57011940	0.02829	0.87 (0.77-0.99)	0.207	0.82 (0.6-1.12)	0.0526	0.85 (0.73-1)
rs2100245	57012654	0.02507	0.87 (0.77-0.98)	0.2484	0.84 (0.62-1.13)	0.02081	0.83 (0.71-0.97)
rs16922459	57016726	0.02683	0.86 (0.75-0.98)	0.3336	0.85 (0.61-1.18)	0.06126	0.84 (0.71-1.01)
rs12334430	57022514	0.03787	0.88 (0.77-0.99)	0.5063	0.9 (0.67-1.22)	0.0698	0.86 (0.73-1.01)
rs16922463	57024223	0.0361	0.87 (0.77-0.99)	0.5305	0.91 (0.67-1.23)	0.07161	0.86 (0.73-1.01)
rs7813271	57025705	0.04089	0.88 (0.77-0.99)	0.5386	0.91 (0.67-1.23)	0.06626	0.86 (0.73-1.01)
rs2292419	57029334	0.1713	1.08 (0.97-1.2)	0.63	1.07 (0.82-1.38)	0.1366	1.11 (0.97-1.28)
rs10089932	57029511	0.4236	1.05 (0.94-1.17)	0.917	1.01 (0.78-1.32)	0.1966	1.1 (0.95-1.26)
rs7828258	57030499	0.3626	1.05 (0.95-1.16)	0.7783	1.04 (0.81-1.31)	0.6631	1.03 (0.91-1.17)
rs2668017	57032420	0.9655	1 (0.9-1.12)	0.9681	0.99 (0.76-1.31)	0.2998	1.08 (0.93-1.25)
rs2719240	57032602	0.9127	1.01 (0.9-1.12)	0.8207	1.03 (0.79-1.34)	0.4061	1.06 (0.92-1.22)
rs2719268	57034636	0.9311	1.01 (0.9-1.13)	0.9681	0.99 (0.76-1.31)	0.278	1.08 (0.94-1.25)
rs2668021	57036101	0.2642	0.94 (0.84-1.05)	0.9307	0.99 (0.75-1.3)	0.1975	0.91 (0.78-1.05)
rs12114560	57037042	0.9759	1 (0.77-1.3)	0.3634	1.3 (0.74-2.29)	0.3613	0.85 (0.59-1.21)
rs2719266	57037257	0.2152	0.94 (0.85-1.04)	0.8395	0.98 (0.77-1.24)	0.444	0.95 (0.84-1.08)
rs2719265	57037831	0.2358	0.94 (0.85-1.04)	0.8406	0.98 (0.77-1.24)	0.4348	0.95 (0.84-1.08)
rs907425	57038845	0.1699	0.93 (0.84-1.03)	0.7542	0.96 (0.76-1.22)	0.3949	0.95 (0.83-1.08)
rs1877301	57039144	0.1799	0.93 (0.85-1.03)	0.8305	0.97 (0.77-1.24)	0.3717	0.94 (0.83-1.07)
rs868541	57039314	0.1722	0.93 (0.84-1.03)	0.8144	0.97 (0.76-1.24)	0.3758	0.94 (0.83-1.07)
rs13257714	57040111	0.7602	0.98 (0.87-1.11)	0.8425	1.03 (0.77-1.38)	0.6121	1.04 (0.89-1.22)
rs2667985	57042912	0.07319	0.87 (0.75-1.01)	0.002236	0.5 (0.32-0.79)	0.1133	0.85 (0.7-1.04)
rs1027987	57044737	0.1981	0.94 (0.85-1.04)	0.8312	0.97 (0.77-1.24)	0.3979	0.95 (0.83-1.08)
rs1027986	57045025	0.1982	0.94 (0.85-1.04)	0.8305	0.97 (0.77-1.24)	0.3995	0.95 (0.83-1.08)
rs907423	57046172	0.197	0.94 (0.85-1.04)	0.9114	0.99 (0.77-1.26)	0.3647	0.94 (0.83-1.07)
rs952784	57046643	0.6982	0.98 (0.86-1.1)	0.8566	1.03 (0.77-1.38)	0.6302	1.04 (0.89-1.21)
rs7838485	57048155	0.6382	0.97 (0.86-1.1)	0.8524	1.03 (0.77-1.38)	0.7047	1.03 (0.88-1.21)
rs2719232	57048738	0.164	0.93 (0.84-1.03)	0.8224	0.97 (0.77-1.24)	0.3376	0.94 (0.83-1.07)
rs10101914	57049241	0.8825	0.99 (0.88-1.12)	0.7329	1.05 (0.79-1.41)	0.4959	1.06 (0.9-1.23)
rs16922502	57049990	0.6697	0.97 (0.86-1.1)	0.8425	1.03 (0.77-1.38)	0.6871	1.03 (0.88-1.21)
rs2466007	57051741	0.1308	0.93 (0.84-1.02)	0.7009	0.95 (0.75-1.21)	0.4962	0.96 (0.84-1.09)
rs16922508	57054784	0.4229	0.95 (0.85-1.07)	0.6225	0.93 (0.71-1.23)	0.3643	0.93 (0.8-1.08)
rs7828483	57055442	0.5136	0.96 (0.85-1.08)	0.9777	1 (0.75-1.34)	0.7794	0.98 (0.84-1.14)
rs2719246	57056975	0.06758	0.88 (0.76-1.01)	0.7037	0.94 (0.67-1.31)	0.0811	0.85 (0.7-1.02)
rs2667978	57060505	0.2389	0.93 (0.82-1.05)	0.4779	0.9 (0.67-1.21)	0.3861	0.93 (0.8-1.09)
rs16920176	57061690	0.8558	1.02 (0.79-1.32)	0.6752	1.13 (0.63-2.03)	0.5271	0.9 (0.64-1.26)
rs16920186	57063272	0.8558	1.02 (0.79-1.32)	0.6752	1.13 (0.63-2.03)	0.5271	0.9 (0.64-1.26)
rs4061077	57065996	0.3614	0.95 (0.85-1.06)	0.6728	0.94 (0.71-1.24)	0.2977	0.92 (0.8-1.07)
rs9650314	57066164	0.2602	0.93 (0.83-1.05)	0.5088	0.9 (0.67-1.22)	0.4063	0.94 (0.8-1.1)
rs16920192	57066580	0.3459	0.95 (0.84-1.06)	0.6728	0.94 (0.71-1.24)	0.2977	0.92 (0.8-1.07)
rs1912818	57066875	0.3365	0.95 (0.84-1.06)	0.6339	0.93 (0.71-1.24)	0.2951	0.92 (0.8-1.07)
rs2719252	57067406	0.3244	0.94 (0.84-1.06)	0.539	0.92 (0.69-1.22)	0.3078	0.92 (0.8-1.08)
rs2719253	57067720	0.3614	0.95 (0.85-1.06)	0.6728	0.94 (0.71-1.24)	0.2977	0.92 (0.8-1.07)
rs2667974	57067931	0.3591	0.95 (0.84-1.06)	0.7866	0.96 (0.73-1.27)	0.4083	0.94 (0.81-1.09)
rs10282821	57068622	0.7212	1.02 (0.91-1.15)	0.2521	1.18 (0.89-1.56)	0.4488	1.06 (0.91-1.24)
rs2667972	57069215	0.2764	0.93 (0.83-1.06)	0.5088	0.9 (0.67-1.22)	0.4063	0.94 (0.8-1.1)
rs2719243	57069530	0.3614	0.95 (0.85-1.06)	0.6728	0.94 (0.71-1.24)	0.2977	0.92 (0.8-1.07)
rs2719242	57069786	0.32	0.94 (0.84-1.06)	0.6225	0.93 (0.71-1.23)	0.263	0.92 (0.79-1.07)
rs4738466	57073255	0.03687	0.85 (0.74-0.99)	0.006179	0.55 (0.36-0.85)	0.1393	0.86 (0.71-1.05)
rs3106348	57079720	0.3475	0.95 (0.84-1.06)	0.8558	1.03 (0.78-1.35)	0.3432	0.93 (0.8-1.08)
rs7824121	57084226	0.06319	0.87 (0.75-1.01)	0.00838	0.57 (0.37-0.87)	0.1782	0.88 (0.72-1.06)

Abbreviations: SNP, Single Nuclear Polymorphism; BP, Base Position; MAF Case, Minor Allele Frequency in cases; MAF Control, Minor Allele Frequency in Controls; P, p-value; OR, Odds Ratio; C.I., Confidence Interval

* (# cases/# controls)

Supplemental Table 3 (c). Case-control association analysis when cases stratified based upon ACR criteria

SNP	BP	No Enhancement (1545/1593)*		Immunological Disorders (1032/1593)		Malar Rash (869/1593)	
		P	OR (95% C.I.)	P	OR (95% C.I.)	P	OR (95% C.I.)
rs3808391	56953203	0.0545	1.1 (1-1.22)	0.1572	1.09 (0.97-1.21)	0.1034	1.1 (0.98-1.24)
rs182832	56953415	0.4885	1.05 (0.92-1.18)	0.5174	1.05 (0.91-1.2)	0.9427	1.01 (0.87-1.16)
rs6983130	56955793	0.0006718	0.79 (0.69-0.91)	0.004071	0.8 (0.69-0.93)	0.0231	0.83 (0.71-0.98)
rs6474026	56956047	0.013	0.85 (0.75-0.97)	0.04992	0.87 (0.75-1)	0.1488	0.9 (0.77-1.04)
rs7834615	56959994	0.1156	1.08 (0.98-1.2)	0.2563	1.07 (0.95-1.2)	0.1748	1.09 (0.96-1.22)
rs16922309	56963245	0.3053	0.89 (0.7-1.12)	0.6388	0.94 (0.73-1.22)	0.228	0.84 (0.64-1.11)
rs333619	56964623	0.1413	1.08 (0.98-1.19)	0.4904	1.04 (0.93-1.16)	0.155	1.09 (0.97-1.23)
rs7820484	56968031	0.901	1.02 (0.75-1.39)	0.7633	0.95 (0.67-1.35)	0.3062	1.2 (0.85-1.7)
rs7005312	56968993	0.7502	0.98 (0.89-1.09)	0.6898	1.02 (0.91-1.15)	0.6873	0.98 (0.87-1.1)
rs1466138	56970495	0.2394	0.9 (0.75-1.08)	0.2408	0.88 (0.72-1.09)	0.1509	0.85 (0.68-1.06)
rs7840325	56971216	0.3255	1.05 (0.95-1.16)	0.6948	1.02 (0.91-1.14)	0.2997	1.06 (0.95-1.2)
rs9643489	56972210	0.3632	0.92 (0.77-1.1)	0.6218	0.95 (0.78-1.16)	0.2831	0.89 (0.72-1.1)
rs7831367	56973233	0.3795	0.93 (0.78-1.1)	0.5743	0.95 (0.78-1.15)	0.4532	0.92 (0.75-1.14)
rs1980042	56975196	0.3248	0.95 (0.86-1.05)	0.5331	0.97 (0.86-1.08)	0.5175	0.96 (0.85-1.08)
rs1027990	56976863	0.2639	0.94 (0.85-1.04)	0.4752	0.96 (0.86-1.07)	0.378	0.95 (0.84-1.07)
rs1027989	56976975	0.3265	0.92 (0.77-1.09)	0.5684	0.94 (0.78-1.15)	0.2598	0.89 (0.72-1.09)
rs6474030	56980702	0.5233	0.95 (0.81-1.11)	0.7742	0.97 (0.82-1.16)	0.452	0.93 (0.77-1.12)
rs4551325	56985745	0.01032	0.87 (0.78-0.97)	0.04291	0.88 (0.79-1)	0.08141	0.89 (0.79-1.01)
rs1397976	56987939	0.01184	0.87 (0.79-0.97)	0.04653	0.89 (0.79-1)	0.06833	0.89 (0.79-1.01)
rs6474033	56988570	0.8182	0.98 (0.84-1.15)	0.9253	1.01 (0.85-1.2)	0.6562	0.96 (0.8-1.15)
rs10095917	56992814	0.02599	0.87 (0.78-0.98)	0.04512	0.87 (0.76-1)	0.1813	0.91 (0.79-1.05)
rs6985030	57007430	0.05938	0.88 (0.77-1.01)	0.1232	0.89 (0.76-1.03)	0.2154	0.9 (0.77-1.06)
rs16922425	57008823	0.494	1.04 (0.94-1.14)	0.3817	1.05 (0.94-1.17)	0.9693	1 (0.89-1.12)
rs7829816	57011940	0.02829	0.87 (0.77-0.99)	0.03753	0.86 (0.75-0.99)	0.1478	0.9 (0.78-1.04)
rs2100245	57012654	0.02507	0.87 (0.77-0.98)	0.02261	0.85 (0.75-0.98)	0.1042	0.89 (0.77-1.03)
rs16922459	57016726	0.02683	0.86 (0.75-0.98)	0.07394	0.87 (0.75-1.01)	0.1203	0.88 (0.75-1.03)
rs12334430	57022514	0.03787	0.88 (0.77-0.99)	0.05547	0.87 (0.76-1)	0.1669	0.9 (0.78-1.04)
rs16922463	57024223	0.0361	0.87 (0.77-0.99)	0.05471	0.87 (0.76-1)	0.1551	0.9 (0.78-1.04)
rs7813271	57025705	0.04089	0.88 (0.77-0.99)	0.06191	0.87 (0.76-1.01)	0.1719	0.9 (0.78-1.05)
rs2292419	57029334	0.1713	1.08 (0.97-1.2)	0.2055	1.08 (0.96-1.22)	0.09106	1.12 (0.98-1.27)
rs10089932	57029511	0.4236	1.05 (0.94-1.17)	0.3643	1.06 (0.94-1.19)	0.2426	1.08 (0.95-1.23)
rs7828258	57030499	0.3626	1.05 (0.95-1.16)	0.3078	1.06 (0.95-1.18)	0.9907	1 (0.89-1.12)
rs2668017	57032420	0.9655	1 (0.9-1.12)	0.7016	1.03 (0.9-1.16)	0.8983	1.01 (0.88-1.15)
rs2719240	57032602	0.9127	1.01 (0.9-1.12)	0.7645	1.02 (0.9-1.15)	0.8553	1.01 (0.89-1.15)
rs2719268	57034636	0.9311	1.01 (0.9-1.13)	0.6462	1.03 (0.91-1.17)	0.8998	1.01 (0.88-1.15)
rs2668021	57036101	0.2642	0.94 (0.84-1.05)	0.08712	0.89 (0.79-1.02)	0.5277	0.96 (0.84-1.1)
rs12114560	57037042	0.9759	1 (0.77-1.3)	0.8233	0.97 (0.72-1.3)	0.8683	1.03 (0.75-1.4)
rs2719266	57037257	0.2152	0.94 (0.85-1.04)	0.2938	0.94 (0.84-1.05)	0.6599	0.97 (0.87-1.1)
rs2719265	57037831	0.2358	0.94 (0.85-1.04)	0.2625	0.94 (0.84-1.05)	0.7557	0.98 (0.87-1.1)
rs907425	57038845	0.1699	0.93 (0.84-1.03)	0.1635	0.92 (0.83-1.03)	0.5765	0.97 (0.86-1.09)
rs1877301	57039144	0.1799	0.93 (0.85-1.03)	0.2118	0.93 (0.83-1.04)	0.6831	0.98 (0.87-1.1)
rs868541	57039314	0.1722	0.93 (0.84-1.03)	0.2082	0.93 (0.83-1.04)	0.6806	0.98 (0.87-1.1)
rs13257714	57040111	0.7602	0.98 (0.87-1.11)	0.991	1 (0.87-1.15)	0.8502	1.01 (0.88-1.17)
rs2667985	57042912	0.07319	0.87 (0.75-1.01)	0.08418	0.86 (0.73-1.02)	0.1099	0.87 (0.72-1.03)
rs1027987	57044737	0.1981	0.94 (0.85-1.04)	0.239	0.94 (0.84-1.05)	0.6819	0.98 (0.87-1.1)
rs1027986	57045025	0.1982	0.94 (0.85-1.04)	0.2396	0.94 (0.84-1.05)	0.6831	0.98 (0.87-1.1)
rs907423	57046172	0.197	0.94 (0.85-1.04)	0.2259	0.93 (0.83-1.04)	0.6917	0.98 (0.87-1.1)
rs952784	57046643	0.6982	0.98 (0.86-1.1)	0.9656	1 (0.87-1.14)	0.9107	1.01 (0.87-1.16)
rs7838485	57048155	0.6382	0.97 (0.86-1.1)	0.9076	0.99 (0.87-1.14)	0.9774	1 (0.87-1.16)
rs2719232	57048738	0.164	0.93 (0.84-1.03)	0.2038	0.93 (0.83-1.04)	0.6397	0.97 (0.86-1.09)
rs10101914	57049241	0.8825	0.99 (0.88-1.12)	0.9602	1 (0.88-1.15)	0.6861	1.03 (0.89-1.19)
rs16922502	57049990	0.6697	0.97 (0.86-1.1)	0.9292	0.99 (0.87-1.14)	0.9568	1 (0.87-1.16)
rs2466007	57051741	0.1308	0.93 (0.84-1.02)	0.1578	0.92 (0.83-1.03)	0.5131	0.96 (0.85-1.08)
rs16922508	57054784	0.4229	0.95 (0.85-1.07)	0.3138	0.94 (0.82-1.07)	0.7767	0.98 (0.86-1.12)
rs7828483	57055442	0.5136	0.96 (0.85-1.08)	0.61	0.97 (0.85-1.1)	0.9456	1.01 (0.87-1.16)
rs2719246	57056975	0.06758	0.88 (0.76-1.01)	0.01908	0.83 (0.7-0.97)	0.2763	0.91 (0.77-1.08)
rs2667978	57060505	0.2389	0.93 (0.82-1.05)	0.1422	0.9 (0.79-1.04)	0.5819	0.96 (0.83-1.11)
rs16920176	57061690	0.8558	1.02 (0.79-1.32)	0.725	1.05 (0.79-1.39)	0.8578	1.03 (0.76-1.39)
rs16920186	57063272	0.8558	1.02 (0.79-1.32)	0.725	1.05 (0.79-1.39)	0.8578	1.03 (0.76-1.39)
rs4061077	57065996	0.3614	0.95 (0.85-1.06)	0.2408	0.93 (0.81-1.05)	0.7173	0.98 (0.85-1.12)
rs9650314	57066164	0.2602	0.93 (0.83-1.05)	0.1412	0.9 (0.79-1.04)	0.6201	0.96 (0.84-1.11)
rs16920192	57066580	0.3459	0.95 (0.84-1.06)	0.2408	0.93 (0.81-1.05)	0.6842	0.97 (0.85-1.11)
rs1912818	57066875	0.3365	0.95 (0.84-1.06)	0.2259	0.92 (0.81-1.05)	0.6851	0.97 (0.85-1.11)
rs2719252	57067406	0.3244	0.94 (0.84-1.06)	0.2048	0.92 (0.81-1.05)	0.6582	0.97 (0.85-1.11)
rs2719253	57067720	0.3614	0.95 (0.85-1.06)	0.2408	0.93 (0.81-1.05)	0.7173	0.98 (0.85-1.12)
rs2667974	57067931	0.3591	0.95 (0.84-1.06)	0.267	0.93 (0.82-1.06)	0.8555	0.99 (0.86-1.13)
rs10282821	57068622	0.7212	1.02 (0.91-1.15)	0.8419	1.01 (0.89-1.16)	0.5374	1.05 (0.91-1.21)
rs2667972	57069215	0.2764	0.93 (0.83-1.06)	0.1482	0.9 (0.79-1.04)	0.6201	0.96 (0.84-1.11)
rs2719243	57069530	0.3614	0.95 (0.85-1.06)	0.2408	0.93 (0.81-1.05)	0.7173	0.98 (0.85-1.12)
rs2719242	57069786	0.32	0.94 (0.84-1.06)	0.2129	0.92 (0.81-1.05)	0.6438	0.97 (0.85-1.11)
rs4738466	57073255	0.03687	0.85 (0.74-0.99)	0.0744	0.86 (0.73-1.02)	0.02072	0.81 (0.68-0.97)
rs3106348	57079720	0.3475	0.95 (0.84-1.06)	0.2848	0.93 (0.82-1.06)	0.6178	0.97 (0.84-1.11)
rs7824121	57084226	0.06319	0.87 (0.75-1.01)	0.09972	0.87 (0.74-1.03)	0.03302	0.82 (0.69-0.98)

Abbreviations: SNP, Single Nuclear Polymorphism; BP, Base Position; MAF Case, Minor Allele Frequency in cases; MAF Control, Minor Allele Frequency in Controls; P, p-value; OR, Odds Ratio; C.I., Confidence Interval

* (# cases/# controls)

Supplemental Table 3 (d). Case-control association analysis when cases stratified based upon ACR criteria

SNP	BP	No Enhancement (1545/1593)*		Renal Disorders (415/1593)		Photosensitivity (973/1593)	
		P	OR (95% C.I.)	P	OR (95% C.I.)	P	OR (95% C.I.)
rs3808391	56953203	0.0545	1.1 (1-1.22)	0.2646	1.09 (0.94-1.28)	<u>0.01851</u>	1.15 (1.02-1.29)
rs182832	56953415	0.4885	1.05 (0.92-1.18)	0.1457	1.15 (0.95-1.38)	0.8279	0.98 (0.85-1.13)
rs6983130	56955793	<u>0.0006718</u>	0.79 (0.69-0.91)	0.07557	0.82 (0.67-1.02)	<u>0.002196</u>	0.78 (0.67-0.92)
rs6474026	56956047	<u>0.013</u>	0.85 (0.75-0.97)	0.3729	0.92 (0.75-1.11)	<u>0.02056</u>	0.84 (0.73-0.97)
rs7834615	56959994	0.1156	1.08 (0.98-1.2)	0.4518	1.06 (0.91-1.24)	<u>0.04502</u>	1.12 (1-1.26)
rs16922309	56963245	0.3053	0.89 (0.7-1.12)	0.3025	0.82 (0.57-1.19)	0.41	0.89 (0.69-1.17)
rs333619	56964623	0.1413	1.08 (0.98-1.19)	0.6344	0.96 (0.83-1.12)	0.1144	1.1 (0.98-1.23)
rs7820484	56968031	0.901	1.02 (0.75-1.39)	0.1248	0.64 (0.36-1.14)	0.8528	0.97 (0.68-1.38)
rs7005312	56968993	0.7502	0.98 (0.89-1.09)	0.2738	1.09 (0.93-1.28)	0.5438	0.96 (0.86-1.08)
rs1466138	56970495	0.2394	0.9 (0.75-1.08)	0.3202	0.86 (0.65-1.15)	0.4461	0.92 (0.75-1.14)
rs7840325	56971216	0.3255	1.05 (0.95-1.16)	0.8047	1.02 (0.87-1.19)	0.2947	1.06 (0.95-1.19)
rs9643489	56972210	0.3632	0.92 (0.77-1.1)	0.8493	0.97 (0.75-1.27)	0.4848	0.93 (0.76-1.14)
rs7831367	56973233	0.3795	0.93 (0.78-1.1)	0.5988	0.93 (0.71-1.22)	0.6701	0.96 (0.79-1.17)
rs1980042	56975196	0.3248	0.95 (0.86-1.05)	0.9783	1 (0.86-1.17)	0.2756	0.94 (0.84-1.05)
rs1027990	56976863	0.2639	0.94 (0.85-1.04)	0.9497	1 (0.85-1.16)	0.2075	0.93 (0.83-1.04)
rs1027989	56976975	0.3265	0.92 (0.77-1.09)	0.7298	0.95 (0.73-1.25)	0.4648	0.93 (0.76-1.13)
rs6474030	56980702	0.5233	0.95 (0.81-1.11)	0.7978	0.97 (0.76-1.23)	0.7969	0.98 (0.82-1.17)
rs4551325	56985745	<u>0.01032</u>	0.87 (0.78-0.97)	0.2817	0.91 (0.78-1.08)	0.06443	0.89 (0.79-1.01)
rs1397976	56987939	<u>0.01184</u>	0.87 (0.79-0.97)	0.2676	0.91 (0.78-1.07)	0.07884	0.9 (0.8-1.01)
rs6474033	56988570	0.8182	0.98 (0.84-1.15)	0.9172	0.99 (0.78-1.26)	0.7916	1.02 (0.86-1.22)
rs10095917	56992814	<u>0.02599</u>	0.87 (0.78-0.98)	0.4925	0.94 (0.78-1.13)	0.0799	0.89 (0.77-1.02)
rs6985030	57007430	0.05938	0.88 (0.77-1.01)	0.5508	0.94 (0.76-1.16)	0.08386	0.87 (0.74-1.02)
rs16922425	57008823	0.494	1.04 (0.94-1.14)	0.779	0.98 (0.84-1.14)	0.9679	1 (0.89-1.12)
rs7829816	57011940	<u>0.02829</u>	0.87 (0.77-0.99)	0.8468	0.98 (0.81-1.18)	<u>0.02176</u>	0.85 (0.74-0.98)
rs2100245	57012654	<u>0.02507</u>	0.87 (0.77-0.98)	0.7622	0.97 (0.81-1.17)	<u>0.02257</u>	0.85 (0.74-0.98)
rs16922459	57016726	<u>0.02683</u>	0.86 (0.75-0.98)	0.3671	0.91 (0.74-1.12)	<u>0.02386</u>	0.84 (0.72-0.98)
rs12334430	57022514	<u>0.03787</u>	0.88 (0.77-0.99)	0.477	0.93 (0.77-1.13)	<u>0.02162</u>	0.84 (0.73-0.98)
rs16922463	57024223	<u>0.0361</u>	0.87 (0.77-0.99)	0.5142	0.94 (0.77-1.14)	<u>0.02259</u>	0.85 (0.73-0.98)
rs7813271	57025705	<u>0.04089</u>	0.88 (0.77-0.99)	0.5577	0.94 (0.78-1.14)	<u>0.02147</u>	0.84 (0.73-0.98)
rs2292419	57029334	0.1713	1.08 (0.97-1.2)	0.3483	1.08 (0.92-1.28)	0.05668	1.13 (1-1.27)
rs10089932	57029511	0.4236	1.05 (0.94-1.17)	0.6454	1.04 (0.88-1.23)	0.1215	1.1 (0.97-1.25)
rs7828258	57030499	0.3626	1.05 (0.95-1.16)	0.9144	1.01 (0.87-1.18)	0.6446	1.03 (0.92-1.15)
rs2668017	57032420	0.9655	1 (0.9-1.12)	0.977	1 (0.84-1.19)	0.5996	1.04 (0.91-1.18)
rs2719240	57032602	0.9127	1.01 (0.9-1.12)	0.636	1.04 (0.88-1.23)	0.6511	1.03 (0.91-1.16)
rs2719268	57034636	0.9311	1.01 (0.9-1.13)	0.9396	1.01 (0.85-1.2)	0.5996	1.04 (0.91-1.18)
rs2668021	57036101	0.2642	0.94 (0.84-1.05)	0.9726	1 (0.84-1.19)	0.2102	0.92 (0.81-1.05)
rs12114560	57037042	0.9759	1 (0.77-1.3)	0.4915	1.15 (0.78-1.68)	0.9944	1 (0.74-1.35)
rs2719266	57037257	0.2152	0.94 (0.85-1.04)	0.8866	0.99 (0.85-1.15)	0.3159	0.94 (0.84-1.06)
rs2719265	57037831	0.2358	0.94 (0.85-1.04)	0.9193	0.99 (0.85-1.16)	0.3811	0.95 (0.85-1.07)
rs907425	57038845	0.1699	0.93 (0.84-1.03)	0.7694	0.98 (0.84-1.14)	0.3456	0.95 (0.85-1.06)
rs1877301	57039144	0.1799	0.93 (0.85-1.03)	0.8059	0.98 (0.84-1.14)	0.333	0.95 (0.84-1.06)
rs868541	57039314	0.1722	0.93 (0.84-1.03)	0.781	0.98 (0.84-1.14)	0.3291	0.95 (0.84-1.06)
rs13257714	57040111	0.7602	0.98 (0.87-1.11)	0.5539	0.94 (0.78-1.14)	0.6792	1.03 (0.9-1.18)
rs2667985	57042912	0.07319	0.87 (0.75-1.01)	0.3857	0.9 (0.72-1.14)	0.4353	0.94 (0.79-1.11)
rs1027987	57044737	0.1981	0.94 (0.85-1.04)	0.9086	0.99 (0.85-1.16)	0.3339	0.95 (0.84-1.06)
rs1027986	57045025	0.1982	0.94 (0.85-1.04)	0.9075	0.99 (0.85-1.16)	0.333	0.95 (0.84-1.06)
rs907423	57046172	0.197	0.94 (0.85-1.04)	0.795	0.98 (0.84-1.15)	0.3549	0.95 (0.84-1.06)
rs952784	57046643	0.6982	0.98 (0.86-1.1)	0.5354	0.94 (0.78-1.14)	0.7683	1.02 (0.89-1.17)
rs7838485	57048155	0.6382	0.97 (0.86-1.1)	0.5408	0.94 (0.78-1.14)	0.8613	1.01 (0.88-1.16)
rs2719232	57048738	0.164	0.93 (0.84-1.03)	0.8417	0.98 (0.84-1.15)	0.2883	0.94 (0.84-1.05)
rs10101914	57049241	0.8825	0.99 (0.88-1.12)	0.6293	0.95 (0.79-1.16)	0.5916	1.04 (0.9-1.19)
rs16922502	57049990	0.6697	0.97 (0.86-1.1)	0.5539	0.94 (0.78-1.14)	0.8258	1.02 (0.88-1.17)
rs2466007	57051741	0.1308	0.93 (0.84-1.02)	0.6735	0.97 (0.83-1.13)	0.3275	0.94 (0.84-1.06)
rs16922508	57054784	0.4229	0.95 (0.85-1.07)	0.3865	1.08 (0.91-1.28)	0.2759	0.93 (0.82-1.06)
rs7828483	57055442	0.5136	0.96 (0.85-1.08)	0.2359	1.12 (0.93-1.34)	0.4667	0.95 (0.83-1.09)
rs2719246	57056975	0.06758	0.88 (0.76-1.01)	0.2579	0.88 (0.7-1.1)	0.2419	0.91 (0.78-1.07)
rs2667978	57060505	0.2389	0.93 (0.82-1.05)	0.9671	1 (0.83-1.21)	0.1819	0.91 (0.79-1.05)
rs16920176	57061690	0.8558	1.02 (0.79-1.32)	0.1902	1.27 (0.89-1.83)	0.9009	0.98 (0.73-1.31)
rs16920186	57063272	0.8558	1.02 (0.79-1.32)	0.1902	1.27 (0.89-1.83)	0.9009	0.98 (0.73-1.31)
rs4061077	57065996	0.3614	0.95 (0.85-1.06)	0.4658	1.07 (0.9-1.27)	0.2516	0.93 (0.81-1.06)
rs9650314	57066164	0.2602	0.93 (0.83-1.05)	0.9388	1.01 (0.84-1.21)	0.2258	0.92 (0.8-1.06)
rs16920192	57066580	0.3459	0.95 (0.84-1.06)	0.4658	1.07 (0.9-1.27)	0.2348	0.92 (0.81-1.05)
rs1912818	57066875	0.3365	0.95 (0.84-1.06)	0.4753	1.07 (0.9-1.27)	0.2437	0.92 (0.81-1.06)
rs2719252	57067406	0.3244	0.94 (0.84-1.06)	0.5732	1.05 (0.88-1.25)	0.2426	0.92 (0.81-1.06)
rs2719253	57067720	0.3614	0.95 (0.85-1.06)	0.4658	1.07 (0.9-1.27)	0.2516	0.93 (0.81-1.06)
rs2667974	57067931	0.3591	0.95 (0.84-1.06)	0.4849	1.07 (0.89-1.27)	0.2645	0.93 (0.81-1.06)
rs10282821	57068622	0.7212	1.02 (0.91-1.15)	0.9621	1 (0.83-1.2)	0.2628	1.08 (0.94-1.24)
rs2667972	57069215	0.2764	0.93 (0.83-1.06)	0.9047	1.01 (0.84-1.22)	0.236	0.92 (0.8-1.06)
rs2719243	57069530	0.3614	0.95 (0.85-1.06)	0.4658	1.07 (0.9-1.27)	0.2516	0.93 (0.81-1.06)
rs2719242	57069786	0.32	0.94 (0.84-1.06)	0.537	1.06 (0.89-1.26)	0.2097	0.92 (0.81-1.05)
rs4738466	57073255	<u>0.03687</u>	0.85 (0.74-0.99)	0.2265	0.87 (0.69-1.09)	0.1829	0.89 (0.75-1.06)
rs3106348	57079720	0.3475	0.95 (0.84-1.06)	0.6393	1.04 (0.88-1.24)	0.2711	0.93 (0.82-1.06)
rs7824121	57084226	0.06319	0.87 (0.75-1.01)	0.2931	0.88 (0.7-1.11)	0.2625	0.91 (0.77-1.08)

Abbreviations: SNP, Single Nuclear Polymorphism; BP, Base Position; MAF Case, Minor Allele Frequency in cases; MAF Control, Minor Allele Frequency in Controls; P, p-value; OR, Odds Ratio; C.I., Confidence Interval

* (# cases/# controls)

Supplemental Table 3 (e). Case-control association analysis when cases stratified based upon ACR criteria

SNP	BP	No Enhancement (1545/1593)*		Neurological Disorders (200/1593)		Oral Ulcer (746/1593)		Serositis (654/1593)	
		P	OR (95% C.I.)	P	OR (95% C.I.)	P	OR (95% C.I.)	P	OR (95% C.I.)
rs3808391	56953203	0.0545	1.1 (1-1.22)	0.1366	0.85 (0.68-1.05)	0.3655	1.06 (0.93-1.2)	0.08687	1.12 (0.98-1.28)
rs182832	56953415	0.4885	1.05 (0.92-1.18)	0.3499	1.13 (0.88-1.45)	0.832	1.02 (0.87-1.19)	0.5941	0.96 (0.81-1.13)
rs6983130	56955793	0.0006718	0.79 (0.69-0.91)	0.9704	0.99 (0.75-1.32)	0.02248	0.82 (0.7-0.97)	0.04594	0.83 (0.7-1)
rs6474026	56956047	0.013	0.85 (0.75-0.97)	0.3621	1.12 (0.87-1.44)	0.0356	0.84 (0.72-0.99)	0.3206	0.92 (0.78-1.08)
rs7834615	56959994	0.1156	1.08 (0.98-1.2)	0.191	0.87 (0.7-1.07)	0.4823	1.05 (0.92-1.19)	0.1631	1.1 (0.96-1.25)
rs16922309	56963245	0.3053	0.89 (0.7-1.12)	0.8874	1.03 (0.65-1.65)	0.6328	0.93 (0.7-1.24)	0.957	0.99 (0.74-1.33)
rs333619	56964623	0.1413	1.08 (0.98-1.19)	0.3775	0.91 (0.74-1.12)	0.9362	1.01 (0.89-1.14)	0.5806	1.04 (0.91-1.18)
rs7820484	56968031	0.901	1.02 (0.75-1.39)	0.2984	1.36 (0.76-2.41)	0.9124	0.98 (0.66-1.44)	0.2243	0.76 (0.49-1.19)
rs7005312	56968993	0.7502	0.98 (0.89-1.09)	0.0513	1.24 (1-1.54)	0.8238	1.01 (0.89-1.15)	0.7229	0.98 (0.86-1.11)
rs1466138	56970495	0.2394	0.9 (0.75-1.08)	0.1889	0.76 (0.5-1.15)	0.8481	1.02 (0.82-1.27)	0.6106	0.94 (0.74-1.19)
rs7840325	56971216	0.3255	1.05 (0.95-1.16)	0.2945	0.89 (0.72-1.1)	0.6082	0.97 (0.85-1.1)	0.1977	1.09 (0.96-1.24)
rs9643489	56972210	0.3632	0.92 (0.77-1.1)	0.3717	0.84 (0.57-1.23)	0.9259	1.01 (0.82-1.25)	0.8239	0.97 (0.78-1.22)
rs7831367	56973233	0.3795	0.93 (0.78-1.1)	0.2361	0.79 (0.53-1.17)	0.9999	1 (0.81-1.24)	0.7756	0.97 (0.77-1.21)
rs1980042	56975196	0.3248	0.95 (0.86-1.05)	0.868	1.02 (0.83-1.26)	0.2126	0.92 (0.82-1.05)	0.1063	0.9 (0.79-1.02)
rs1027990	56976863	0.2639	0.94 (0.85-1.04)	0.8479	1.02 (0.83-1.26)	0.1824	0.92 (0.81-1.04)	0.09367	0.89 (0.78-1.02)
rs1027989	56976975	0.3265	0.92 (0.77-1.09)	0.2677	0.8 (0.54-1.19)	0.9412	1.01 (0.82-1.25)	0.7396	0.96 (0.77-1.21)
rs6474030	56980702	0.5233	0.95 (0.81-1.11)	0.499	0.89 (0.64-1.25)	0.7773	1.03 (0.85-1.24)	0.4071	0.92 (0.75-1.13)
rs4551325	56985745	0.01032	0.87 (0.78-0.97)	0.4542	0.92 (0.73-1.15)	0.2353	0.92 (0.81-1.05)	0.08736	0.89 (0.77-1.02)
rs1397976	56987939	0.01184	0.87 (0.79-0.97)	0.3503	0.9 (0.72-1.12)	0.282	0.93 (0.82-1.06)	0.06566	0.88 (0.77-1.01)
rs6474033	56988570	0.8182	0.98 (0.84-1.15)	0.7998	0.96 (0.69-1.34)	0.5983	1.05 (0.87-1.27)	0.4823	0.93 (0.76-1.14)
rs10095917	56992814	0.02599	0.87 (0.78-0.98)	0.6433	0.94 (0.74-1.21)	0.2189	0.91 (0.79-1.06)	0.2052	0.9 (0.78-1.06)
rs6985030	57007430	0.05938	0.88 (0.77-1.01)	0.7914	1.04 (0.79-1.37)	0.2187	0.9 (0.76-1.07)	0.1983	0.89 (0.74-1.06)
rs16922425	57008823	0.494	1.04 (0.94-1.14)	0.3232	0.9 (0.73-1.11)	0.713	1.02 (0.9-1.16)	0.2852	0.93 (0.82-1.06)
rs7829816	57011940	0.02829	0.87 (0.77-0.99)	0.9036	0.98 (0.76-1.27)	0.2812	0.92 (0.79-1.07)	0.1888	0.9 (0.77-1.05)
rs2100245	57012654	0.02507	0.87 (0.77-0.98)	0.6809	0.95 (0.74-1.22)	0.3922	0.94 (0.81-1.09)	0.1447	0.89 (0.76-1.04)
rs16922459	57016726	0.02683	0.86 (0.75-0.98)	0.5825	0.92 (0.7-1.23)	0.1256	0.88 (0.74-1.04)	0.04196	0.83 (0.69-0.99)
rs12334430	57022514	0.03787	0.88 (0.77-0.99)	0.6631	0.94 (0.73-1.23)	0.2166	0.91 (0.78-1.06)	0.08561	0.87 (0.74-1.02)
rs16922463	57024223	0.0361	0.87 (0.77-0.99)	0.6948	0.95 (0.73-1.23)	0.2451	0.91 (0.78-1.07)	0.07716	0.86 (0.73-1.02)
rs7813271	57025705	0.04089	0.88 (0.77-0.99)	0.6207	0.94 (0.72-1.22)	0.2691	0.92 (0.78-1.07)	0.08112	0.86 (0.73-1.02)
rs2292419	57029334	0.1713	1.08 (0.97-1.2)	0.1404	1.18 (0.95-1.48)	0.5656	1.04 (0.91-1.19)	0.01819	1.18 (1.03-1.36)
rs10089932	57029511	0.4236	1.05 (0.94-1.17)	0.2654	1.14 (0.91-1.42)	0.7856	1.02 (0.89-1.17)	0.09659	1.13 (0.98-1.29)
rs7828258	57030499	0.3626	1.05 (0.95-1.16)	0.2638	0.89 (0.72-1.09)	0.4184	1.05 (0.93-1.19)	0.8552	0.99 (0.87-1.12)
rs2668017	57032420	0.9655	1 (0.9-1.12)	0.4084	1.1 (0.87-1.39)	0.7976	0.98 (0.85-1.13)	0.3536	1.07 (0.93-1.24)
rs2719240	57032602	0.9127	1.01 (0.9-1.12)	0.364	1.11 (0.89-1.39)	0.946	1 (0.87-1.14)	0.325	1.07 (0.93-1.23)
rs2719268	57034636	0.9311	1.01 (0.9-1.13)	0.3257	1.12 (0.89-1.42)	0.816	0.98 (0.85-1.13)	0.3035	1.08 (0.93-1.25)
rs2668021	57036101	0.2642	0.94 (0.84-1.05)	0.1442	1.19 (0.94-1.49)	0.3488	0.93 (0.81-1.08)	0.5175	0.95 (0.82-1.1)
rs12114560	57037042	0.9759	1 (0.77-1.3)	0.8384	0.94 (0.54-1.66)	0.6753	1.07 (0.78-1.47)	0.668	0.93 (0.65-1.31)
rs2719266	57037257	0.2152	0.94 (0.85-1.04)	0.2546	1.13 (0.92-1.39)	0.2083	0.92 (0.82-1.05)	0.7391	0.98 (0.86-1.11)
rs2719265	57037831	0.2358	0.94 (0.85-1.04)	0.2727	1.12 (0.91-1.38)	0.2781	0.93 (0.83-1.06)	0.8228	0.99 (0.87-1.12)
rs907425	57038845	0.1699	0.93 (0.84-1.03)	0.3555	1.1 (0.9-1.36)	0.3793	0.95 (0.84-1.07)	0.7449	0.98 (0.86-1.11)
rs1877301	57039144	0.1799	0.93 (0.85-1.03)	0.3258	1.11 (0.9-1.37)	0.2188	0.93 (0.82-1.05)	0.7327	0.98 (0.86-1.11)
rs868541	57039314	0.1722	0.93 (0.84-1.03)	0.3377	1.11 (0.9-1.36)	0.2198	0.93 (0.82-1.05)	0.7391	0.98 (0.86-1.11)
rs13257714	57040111	0.7602	0.98 (0.87-1.11)	0.84	0.97 (0.75-1.26)	0.853	0.99 (0.85-1.15)	0.6474	1.04 (0.89-1.21)
rs2667985	57042912	0.07319	0.87 (0.75-1.01)	0.29	0.84 (0.61-1.16)	0.6191	0.95 (0.8-1.15)	0.217	0.88 (0.73-1.08)
rs1027987	57044737	0.1981	0.94 (0.85-1.04)	0.2788	1.12 (0.91-1.38)	0.236	0.93 (0.82-1.05)	0.7694	0.98 (0.86-1.12)
rs1027986	57045025	0.1982	0.94 (0.85-1.04)	0.2792	1.12 (0.91-1.38)	0.2353	0.93 (0.82-1.05)	0.7714	0.98 (0.86-1.12)
rs907423	57046172	0.197	0.94 (0.85-1.04)	0.2308	1.14 (0.92-1.4)	0.2175	0.92 (0.82-1.05)	0.6649	0.97 (0.85-1.11)
rs952784	57046643	0.6982	0.98 (0.86-1.1)	0.7351	0.96 (0.74-1.24)	0.7919	0.98 (0.84-1.14)	0.6655	1.04 (0.88-1.21)
rs7838485	57048155	0.6382	0.97 (0.86-1.1)	0.7396	0.96 (0.74-1.24)	0.7594	0.98 (0.84-1.14)	0.786	1.02 (0.87-1.2)
rs2719232	57048738	0.164	0.93 (0.84-1.03)	0.3317	1.11 (0.9-1.37)	0.2275	0.93 (0.82-1.05)	0.6837	0.97 (0.86-1.11)
rs10101914	57049241	0.8825	0.99 (0.88-1.12)	0.7243	1.05 (0.81-1.35)	0.9811	1 (0.86-1.16)	0.6301	1.04 (0.89-1.22)
rs16922502	57049990	0.6697	0.97 (0.86-1.1)	0.7505	0.96 (0.74-1.24)	0.7949	0.98 (0.84-1.14)	0.7068	1.03 (0.88-1.21)
rs2466007	57051741	0.1308	0.93 (0.84-1.02)	0.322	1.11 (0.9-1.37)	0.2598	0.93 (0.82-1.05)	0.6871	0.97 (0.86-1.11)
rs16922508	57054784	0.4229	0.95 (0.85-1.07)	0.1394	1.19 (0.94-1.5)	0.3409	0.93 (0.81-1.08)	0.6702	0.97 (0.83-1.12)
rs7828483	57055442	0.5136	0.96 (0.85-1.08)	0.1651	1.19 (0.93-1.51)	0.2452	0.92 (0.79-1.06)	0.7917	0.98 (0.84-1.14)
rs2719246	57056975	0.06758	0.88 (0.76-1.01)	0.5309	1.1 (0.82-1.46)	0.0433	0.83 (0.7-0.99)	0.2734	0.9 (0.75-1.09)
rs2667978	57060505	0.2389	0.93 (0.82-1.05)	0.2094	1.17 (0.92-1.49)	0.1758	0.9 (0.77-1.05)	0.523	0.95 (0.81-1.11)
rs16920176	57061690	0.8558	1.02 (0.79-1.32)	0.9408	1.02 (0.6-1.74)	0.8726	1.03 (0.75-1.41)	0.9695	0.99 (0.71-1.39)
rs16920186	57063272	0.8558	1.02 (0.79-1.32)	0.9408	1.02 (0.6-1.74)	0.8726	1.03 (0.75-1.41)	0.9695	0.99 (0.71-1.39)
rs4061077	57065996	0.3614	0.95 (0.85-1.06)	0.1627	1.18 (0.94-1.49)	0.2768	0.92 (0.8-1.07)	0.5368	0.95 (0.82-1.11)
rs9650314	57066164	0.2602	0.93 (0.83-1.05)	0.1916	1.18 (0.92-1.5)	0.1867	0.9 (0.77-1.05)	0.4668	0.94 (0.8-1.11)
rs16920192	57066580	0.3459	0.95 (0.84-1.06)	0.1975	1.17 (0.92-1.47)	0.2554	0.92 (0.8-1.06)	0.5368	0.95 (0.82-1.11)
rs1912818	57066875	0.3365	0.95 (0.84-1.06)	0.1899	1.17 (0.93-1.48)	0.2529	0.92 (0.8-1.06)	0.5153	0.95 (0.82-1.11)
rs2719252	57067406	0.3244	0.94 (0.84-1.06)	0.2631	1.14 (0.9-1.45)	0.2267	0.91 (0.79-1.06)	0.4463	0.94 (0.81-1.11)
rs2719253	57067720	0.3614	0.95 (0.85-1.06)	0.1627	1.18 (0.94-1.49)	0.2768	0.92 (0.8-1.07)	0.5368	0.95 (0.82-1.11)
rs2667974	57067931	0.3591	0.95 (0.84-1.06)	0.1591	1.18 (0.94-1.5)	0.2932	0.93 (0.8-1.07)	0.5346	0.95 (0.82-1.11)
rs10282821	57068622	0.7212	1.02 (0.91-1.15)	0.8067	0.97 (0.75-1.25)	0.7733	0.98 (0.84-1.14)	0.3762	1.07 (0.92-1.25)
rs2667972	57069215	0.2764	0.93 (0.83-1.06)	0.1531	1.19 (0.94-1.52)	0.2087	0.91 (0.78-1.06)	0.5088	0.95 (0.81-1.11)
rs2719243	57069530	0.3614	0.95 (0.85-1.06)	0.1627	1.18 (0.94-1.49)	0.2768	0.92 (0.8-1.07)	0.5368	0.95 (0.82-1.11)
rs2719242	57069786	0.32	0.94 (0.84-1.06)	0.1895	1.17 (0.93-1.47)	0.2606	0.92 (0.8-1.06)	0.5215	0.95 (0.82-1.11)
rs4738466	57073255	0.03687	0.85 (0.74-0.99)	0.1858	0.8 (0.58-1.11)	0.2669	0.9 (0.75-1.08)	0.06071	0.83 (0.68-1.01)
rs3106348	57079720	0.3475	0.95 (0.84-1.06)	0.4402	1.1 (0.87-1.38)	0.3008	0.93 (0.8-1.07)	0.479	0.95 (0.82-1.1)
rs7824121	57084226	0.06319	0.87 (0.75-1.01)	0.2762	0.84 (0.6-1.16)	0.3861	0.92 (0.77-1.11)	0.09347	0.85 (0.69-1.03)

Abbreviations: SNP, Single Nuclear Polymorphism; BP, Base Position; MAF Case, Minor Allele Frequency in cases; MAF Control, Minor Allele Frequency in Controls; P, p-value; OR, Odds Ratio; C.I., Confidence Interval

* (# cases/# controls)