

Electronic supplementary material

ESM Table 3 Results for inflammatory and autoimmune disease SNPs using the best available directly genotyped proxies

<i>Cis</i> -effect inflammatory gene or disease SNP	Best proxy genotyped SNP ($r^2 > 0.5$)	Disease/circulating protein	Gene	Meta-analysis OR for developing type 2 diabetes (95% CI) if genotyped in WTCCC and DGI	<i>p</i> value for OR
rs4251961	rs4251961 ($r^2 = 1.0$)	IL-1RA	<i>IL1RN</i>	1.03 (1.00–1.06)	0.05
rs6761276 ^a	rs6759676 ($r^2 = 0.97$)	IL-1RA	<i>IL1RN</i>	1.05 (0.99–1.11)	0.09
rs2250417	rs4935984 ($r^2 = 0.62$)	IL-18	<i>IL18</i>	0.99 (0.97–1.03)	0.79
rs5744256	rs1834481 ($r^2 = 1.0$)	IL-18	<i>IL18</i>	1.03 (1.01–1.05)	0.05
rs12093699	rs12739022 ($r^2 = 0.92$)	CRP	<i>CRP</i>	1.00 (0.98–1.02)	0.80
rs2227631	No proxy	PAI-1	<i>PAI1</i>		
rs8192284 ^a	rs4537545 ($r^2 = 0.96$)	sIL-6R	<i>IL6R</i>	1.04 (0.98–1.10)	0.23
rs1007888	rs1002286 ($r^2 = 0.97$)	MIF	<i>MIF</i>	1.00 (0.91–1.10)	0.95
rs11209032	rs11209033 ($r^2 = 1.0$)	Ankylosing spondylitis	<i>IL23R</i>	0.97 (0.94–1.01)	0.05
rs11805303	rs11805303 ($r^2 = 1.0$)	Crohn's disease	<i>IL23R</i>	0.96 (0.92–1.01)	0.12
rs2542151 ^a	rs2847297 ($r^2 = 0.56$)	Crohn's disease and type 1 diabetes	<i>PTPN2</i>	1.01 (0.95–1.08)	0.69

rs6679677	rs6679677 ($r^2=1.0$)	Rheumatoid arthritis, Crohn's disease and type 1 diabetes	<i>PTPN22</i>	1.02 (0.98–1.07)	0.34
rs2104286	rs2104286 ($r^2=1.0$)	Type 1 diabetes and multiple sclerosis	<i>IL2RA</i>	1.02 (0.94–1.11)	0.58
rs17696736	rs17696736 ($r^2=1.0$)	Type 1 diabetes and coeliac disease	<i>SH2B3</i>	1.01 (0.99–1.04)	0.33
rs653178	No proxy	Type 1 diabetes and coeliac disease	<i>SH2B3</i>		
rs30187	rs27710 ($r^2=1.0$)	Ankylosing spondylitis	<i>ARTS1</i>	0.98 (0.91–1.06)	0.71
rs6822844	rs13143866 ($r^2=0.52$)	Coeliac disease	<i>IL21, IL2, TENR, KIAA1109</i>	0.98 (0.952–1.02)	0.46
rs2816316	rs1323296 ($r^2=1.0$)	Coeliac disease	<i>RGS1</i>	0.99 (0.95–1.03)	0.59
rs13015714	rs4851007 ($r^2=1.0$)	Coeliac disease	<i>IL1RL1, IL18R1, IL18RAP, SLC9A4</i>	1.03 (0.99–1.06)	0.12
rs17810546	rs17809756 ($r^2=1.0$)	Coeliac disease	<i>IL12A</i>	1.01 (0.97–1.06)	0.49
rs1464510	rs9864529 ($r^2=0.79$)	Coeliac disease	<i>LPP</i>	0.99 (0.97–1.03)	0.83
rs1738074 ^a	rs2016588 ($r^2=0.58$)	Coeliac disease	<i>TAGAP</i>	0.98 (0.93–1.04)	0.52
rs10883365	rs10883365 ($r^2=1.0$)	Crohn's disease	<i>NKX2-3</i>	1.00 (0.98–1.03)	0.69

rs2241880	rs6752107 ($r^2=1.0$)	Crohn's disease	<i>ATG16L1</i>	1.00 (0.98–1.03)	0.68
rs10077785	rs11744116 ($r^2=0.87$)	Crohn's disease	<i>IBD5</i>	0.96 (0.89–1.04)	0.32
rs10801047	rs10801047 ($r^2=1.0$)	Crohn's disease	Chr 1q31	0.97 (0.92–1.03)	0.34
rs6596075	rs3792884 ($r^2=0.61$)	Crohn's disease	Chr 5q31	1.05 (0.92–1.16)	0.70
rs12035082	rs6688532 ($r^2=1.0$)	Crohn's disease	Chr 1q24	0.98 (0.94–1.03)	0.49
rs2836754	rs2836754 ($r^2=1.0$)	Crohn's disease	Chr 21q22	0.97 (0.88–1.06)	0.25
rs17221417 ^a	rs2066843 ($r^2=1.0$)	Crohn's disease	<i>CARD15</i>	1.08 (1.00–1.16)	0.03
rs4958847 ^a	rs4958847 ($r^2=1.0$)	Crohn's disease	<i>IRGM</i>	1.06 (0.96–1.16)	0.24
rs9858542	rs9858542 ($r^2=1.0$)	Crohn's disease	Chr 3p21	1.00 (0.97–1.03)	0.93
rs17234657	rs17234657 ($r^2=1.0$)	Crohn's disease	Chr 5p13	1.00 (0.97–1.05)	0.65
rs10761659	rs10761659 ($r^2=1.0$)	Crohn's disease	Chr 10q21	0.98 (0.96–1.01)	0.29
rs10499194	rs17066662 ($r^2=1.0$)	Rheumatoid arthritis	Chr 6q23	1.03 (0.99–1.06)	0.10
rs6920220	rs6920220 ($r^2=1.0$)	Rheumatoid arthritis	<i>TNFAIP3</i> and <i>OLIG3</i>	1.01 (0.98–1.05)	0.41
rs12708716	rs7198004 ($r^2=0.82$)	Type 1 diabetes	<i>KIAA0350</i> Chr 16p13	1.01 (0.99–1.04)	0.31

rs763361	No proxy	Type 1 diabetes	<i>CD226</i> non-WTCCC, non-synonymous GWA		
rs3788964	rs3788964 ($r^2=1.0$)	Type 1 diabetes	<i>IFIH1</i>	0.94 (0.86–1.02)	0.12
rs2292239	rs2292239 ($r^2=1.0$)	Type 1 diabetes	<i>ERBB3</i>	1.00 (0.98–1.04)	0.73
rs3087243	rs3087243 ($r^2=1.0$)	Type 1 diabetes	<i>CTLA4</i>	1.00 (0.98–1.04)	0.62
rs6897932 ^a	rs6897932 ($r^2=1.0$)	Multiple sclerosis	<i>IL7RA</i>	1.03 (0.97–1.10)	0.35
rs6445975	No proxy	SLE	<i>PXK</i>		
rs12537284	rs13232316 ($r^2=1.0$)	SLE	<i>IRF5, TNPO3</i>	1.05 (1.01–1.10)	0.01
rs4963128	No proxy	SLE	<i>KIAA1542</i>		
rs9888739	No proxy	SLE	<i>ITGAM</i>		

^aSNPs with a directly genotyped proxy available in all three studies; for other SNPs data were from the WTCCC and DGI studies, which were both typed on the Affymetrix chip