

Supplementary Table 1 SNPs selected for genotyping

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs2240340	passed	1	17535226	1p36.13	PADI4	PADI4	PADI4	autoimmune
rs1004819	passed	1	67442801	1p31.3	IL23R	IL23R	IL23R	autoimmune
rs11805303	passed	1	67448104	1p31.3	IL23R	IL23R	IL23R	autoimmune
rs7530511	passed	1	67457975	1p31.3	IL23R	IL23R	IL23R	autoimmune
rs11209026	passed	1	67478546	1p31.3	IL23R	IL23R	IL23R	autoimmune
rs11264799	passed	1	155937381	1q23.1	FCRL3	FCRL3	FCRL3	autoimmune
rs1800947	passed	1	157950062	1q23.2	CRP	CRP	CRP	autoimmune
rs12035082	passed	1	171165000	1q24.3				autoimmune
rs1800896	passed	1	205013520	1q32.1		IL10	IL10	autoimmune
rs2243158	passed	1	205074264	1q32.1	IL19	IL19	IL19	autoimmune
rs2243169	failed	1	205076157	1q32.1	IL19	IL19	IL19	autoimmune
rs2243188	passed	1	205081095	1q32.1	IL19	IL19	IL19	autoimmune
rs2981573	passed	1	205107200	1q32.1	IL20	IL20	IL20	autoimmune
rs2232360	passed	1	205107282	1q32.1	IL20	IL20	IL20	autoimmune
rs1800587	failed	2	113259431	2q13	IL1A	IL1A	IL1A	autoimmune
rs1143634	failed	2	113306861	2q13	IL1B	IL1B	IL1B	autoimmune
rs7574865	failed	2	191672878	2q32.3	STAT4	STAT4	STAT4	autoimmune
rs231819	passed	2	204380782	2q33.2				T1D
rs231839	passed	2	204390518	2q33.2				T1D
rs1018361	failed	2	204393080	2q33.2				T1D
rs231749	failed	2	204395763	2q33.2				T1D
rs721	passed	2	204395957	2q33.2				T1D
rs6745050	passed	2	204399783	2q33.2				T1D
rs11571308	passed	2	204402596	2q33.2				T1D
rs12990970	passed	2	204408934	2q33.2				T1D
rs231793	failed	2	204410588	2q33.2				T1D

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs11571315	passed	2	204439146	2q33.2		CTLA4	CTLA4	T1D
rs16840252	passed	2	204439764	2q33.2		CTLA4	CTLA4	T1D
rs11571317	passed	2	204440253	2q33.2		CTLA4	CTLA4	T1D
rs231777	passed	2	204441833	2q33.2	CTLA4	CTLA4	CTLA4	T1D
rs231727	passed	2	204449795	2q33.2		CTLA4	CTLA4	T1D
rs11571300	passed	2	204455012	2q33.2			CTLA4	T1D
rs10197319	passed	2	204471289	2q33.2				T1D
rs11571311	passed	2	204481924	2q33.2				T1D
rs17268364	passed	2	204486063	2q33.2				T1D
rs7597297	failed	2	204486339	2q33.2				T1D
rs6752680	passed	2	204487250	2q33.2				T1D
rs4294983	passed	2	204503039	2q33.2			ICOS	T1D
rs11883722	failed	2	204509090	2q33.2		ICOS	ICOS	T1D
rs4355090	failed	2	204524627	2q33.2	ICOS	ICOS	ICOS	T1D
rs4521021	passed	2	204524820	2q33.2	ICOS	ICOS	ICOS	T1D
rs10172036	passed	2	204532528	2q33.2	ICOS	ICOS	ICOS	T1D
rs10932037	passed	2	204533591	2q33.2	ICOS	ICOS	ICOS	T1D
rs1559931	failed	2	204533974	2q33.2	ICOS	ICOS	ICOS	T1D
rs1896286	failed	2	204540683	2q33.2			ICOS	T1D
rs3181212	passed	2	218636818	2q35	RUFY4 LOC729808	RUFY4 IL8RBP LOC729808	RUFY4 IL8RBP LOC729808	autoimmune
rs12471723	passed	2	218639794	2q35	RUFY4 LOC729808	RUFY4 LOC729808	RUFY4 IL8RBP LOC729808	autoimmune
rs13385042	passed	2	218643544	2q35	RUFY4	RUFY4 LOC729808	RUFY4 IL8RBP LOC729808	autoimmune
rs4074801	passed	2	218644086	2q35	RUFY4	RUFY4 LOC729808	RUFY4 IL8RBP LOC729808	autoimmune
rs4674246	passed	2	218648663	2q35	RUFY4	RUFY4	RUFY4 LOC729808	autoimmune

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs6759925	passed	2	218649340	2q35	RUFY4	RUFY4	RUFY4 LOC729808	autoimmune
rs6436025	passed	2	218651093	2q35	RUFY4	RUFY4	RUFY4 LOC729808	autoimmune
rs4133195	failed	2	218659490	2q35	RUFY4	RUFY4	RUFY4	autoimmune
rs7422358	passed	2	218661023	2q35	RUFY4	RUFY4	RUFY4	autoimmune
rs6761387	passed	2	218704798	2q35	IL8RB	IL8RB	IL8RB	autoimmune
rs3092968	passed	2	218735269	2q35		IL8RA	IL8RA	autoimmune
rs4674269	failed	2	218759036	2q35				autoimmune
rs13026485	failed	2	218766229	2q35				autoimmune
rs10932761	passed	2	218772636	2q35				autoimmune
rs13403276	passed	2	218789542	2q35		ARPC2	ARPC2	autoimmune
rs17572109	passed	2	218802179	2q35	ARPC2	ARPC2	ARPC2	autoimmune
rs17462354	passed	2	218818127	2q35	ARPC2	ARPC2	ARPC2	autoimmune
rs6738394	passed	2	218818870	2q35	ARPC2	ARPC2	ARPC2	autoimmune
rs2292550	failed	2	218848532	2q35	PNKD TMBIM1	PNKD TMBIM1	AAMP PNKD TMBIM1	autoimmune
rs3731861	passed	2	218899500	2q35	PNKD	PNKD	PNKD	autoimmune
rs10932775	passed	2	218904043	2q35	PNKD	PNKD	PNKD	autoimmune
rs7587403	passed	2	218906667	2q35	PNKD	PNKD	PNKD	autoimmune
rs9076	passed	2	218919025	2q35	PNKD	PNKD	PNKD	autoimmune
rs4324314	failed	2	218930090	2q35	C2orf62	C2orf62	C2orf62	autoimmune
rs6745037	failed	2	218938006	2q35	C2orf62	C2orf62	C2orf62	autoimmune
rs6745172	passed	2	218938086	2q35	C2orf62	C2orf62	C2orf62	autoimmune
rs7586267	failed	2	218941696	2q35		C2orf62	C2orf62	autoimmune
rs11904786	failed	2	218946982	2q35			C2orf62 SLC11A1	autoimmune
rs4674301	passed	2	218951106	2q35		SLC11A1	SLC11A1	autoimmune
rs2276631	passed	2	218957257	2q35	SLC11A1	SLC11A1	SLC11A1	autoimmune
rs3731863	passed	2	218960452	2q35	SLC11A1	SLC11A1	SLC11A1	autoimmune

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs2290708	passed	2	218960621	2q35	SLC11A1	SLC11A1	SLC11A1	autoimmune
rs2695343	passed	2	218963667	2q35	SLC11A1	SLC11A1	CTDSP1 SLC11A1	autoimmune
rs1059823	passed	2	218968088	2q35	SLC11A1	CTDSP1 SLC11A1	CTDSP1 SLC11A1	autoimmune
rs13062	failed	2	218968895	2q35	SLC11A1	CTDSP1 SLC11A1	CTDSP1 SLC11A1	autoimmune
rs2227251	failed	2	218974667	2q35	CTDSP1	CTDSP1 SLC11A1	CTDSP1 SLC11A1	autoimmune
rs2227255	passed	2	218976025	2q35	CTDSP1	CTDSP1	CTDSP1 SLC11A1	autoimmune
rs7607369	passed	2	218987341	2q35		VIL1	CTDSP1 VIL1	autoimmune
rs13391398	failed	2	218990673	2q35		VIL1	VIL1	autoimmune
rs10210302	failed	2	233823578	2q37.1		ATG16L1	ATG16L1	autoimmune
rs2241880	passed	2	233848107	2q37.1	ATG16L1	ATG16L1 SCARNA5	ATG16L1 SCARNA5	autoimmune
rs1801282	passed	3	12368125	3p25.2	PPARG	PPARG	PPARG	T2D
rs9858542	passed	3	49676987	3p21.31	BSN	BSN	APEH BSN	autoimmune
rs651630	failed	3	126294004	3q21.2	SLC12A8	SLC12A8	SLC12A8	autoimmune
rs4383556	failed	3	186867167	3q27.2	IGF2BP2	IGF2BP2	IGF2BP2	T2D
rs6770227	passed	3	186891464	3q27.2	IGF2BP2	IGF2BP2	IGF2BP2	T2D
rs750753	passed	3	186904341	3q27.2	IGF2BP2	IGF2BP2	IGF2BP2 C3orf65	T2D
rs7609665	passed	3	186908670	3q27.2	IGF2BP2	IGF2BP2	IGF2BP2 C3orf65	T2D
rs9877179	failed	3	186909187	3q27.2	IGF2BP2	IGF2BP2 C3orf65	IGF2BP2 C3orf65	T2D
rs6780264	passed	3	186915327	3q27.2	IGF2BP2 C3orf65	IGF2BP2 C3orf65	IGF2BP2 C3orf65	T2D
rs6777038	passed	3	186923654	3q27.2	IGF2BP2 C3orf65	IGF2BP2 C3orf65	IGF2BP2 C3orf65	T2D
rs2290066	failed	3	186928536	3q27.2	IGF2BP2 C3orf65	IGF2BP2 C3orf65	IGF2BP2 C3orf65	T2D
rs12635769	passed	3	186929732	3q27.2	IGF2BP2 C3orf65	IGF2BP2 C3orf65	IGF2BP2 C3orf65	T2D

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs9850770	failed	3	186937538	3q27.2	IGF2BP2	IGF2BP2	IGF2BP2 C3orf65	T2D
rs10804901	failed	3	186938375	3q27.2	IGF2BP2	IGF2BP2	IGF2BP2 C3orf65	T2D
rs13076013	passed	3	186947182	3q27.2	IGF2BP2	IGF2BP2	IGF2BP2	T2D
rs6766313	failed	3	186950326	3q27.2	IGF2BP2	IGF2BP2	IGF2BP2	T2D
rs4686692	failed	3	186963762	3q27.2	IGF2BP2	IGF2BP2	IGF2BP2	T2D
rs7621192	failed	3	186968901	3q27.2	IGF2BP2	IGF2BP2	IGF2BP2	T2D
rs16860219	failed	3	186976284	3q27.2	IGF2BP2	IGF2BP2	IGF2BP2	T2D
rs7634540	passed	3	186994182	3q27.2	IGF2BP2	IGF2BP2	IGF2BP2	T2D
rs4402960	passed	3	186994381	3q27.2	IGF2BP2	IGF2BP2	IGF2BP2	T2D
rs11708719	passed	3	186997968	3q27.2	IGF2BP2	IGF2BP2	IGF2BP2	T2D
rs6767577	passed	3	187003426	3q27.2	IGF2BP2	IGF2BP2	IGF2BP2	T2D
rs1470579	failed	3	187011774	3q27.2	IGF2BP2	IGF2BP2	IGF2BP2	T2D
rs1374910	failed	3	187014355	3q27.2	IGF2BP2	IGF2BP2	IGF2BP2	T2D
rs752854	passed	4	6332862	4p16.1	WFS1	WFS1	WFS1	T2D
rs16853571	passed	4	41447887	4p13		PHOX2B	PHOX2B	autoimmune
rs2141036	failed	4	72750521	4q13.3				autoimmune
rs13150933	passed	4	72750727	4q13.3				autoimmune
rs722513	passed	4	72760658	4q13.3				autoimmune
rs6822876	failed	4	72776085	4q13.3				autoimmune
rs7673438	passed	4	72781049	4q13.3				autoimmune
rs394295	passed	4	72794499	4q13.3				autoimmune
rs1526692	passed	4	72797588	4q13.3				autoimmune
rs16846880	passed	4	72813429	4q13.3				autoimmune
rs12512631	passed	4	72820195	4q13.3			GC	autoimmune
rs17383291	failed	4	72824274	4q13.3		GC	GC	autoimmune
rs705117	passed	4	72826979	4q13.3	GC	GC	GC	autoimmune
rs3755967	failed	4	72828262	4q13.3	GC	GC	GC	autoimmune

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs12640179	passed	4	72831551	4q13.3	GC	GC	GC	autoimmune
rs7041	failed	4	72837198	4q13.3	GC	GC	GC	autoimmune
rs222016	failed	4	72853839	4q13.3	GC	GC	GC	autoimmune
rs16847054	passed	4	72887823	4q13.3	GC	GC	GC	autoimmune
rs16847086	passed	4	72907080	4q13.3				autoimmune
rs842872	passed	4	72913923	4q13.3				autoimmune
rs10518092	passed	4	72915689	4q13.3				autoimmune
rs9992215	failed	4	72919611	4q13.3				autoimmune
rs6823308	failed	4	72921883	4q13.3				autoimmune
rs962225	failed	4	72926220	4q13.3				autoimmune
rs7681566	passed	4	72928444	4q13.3				autoimmune
rs13150628	failed	4	72932410	4q13.3				autoimmune
rs13123547	passed	4	123082586	4q27	TRPC3	TRPC3	TRPC3	T1D
rs4833780	failed	4	123087643	4q27	TRPC3	TRPC3	TRPC3	T1D
rs7659353	failed	4	123097821	4q27			TRPC3	T1D
rs4001038	passed	4	123105690	4q27				T1D
rs10032994	passed	4	123112641	4q27				T1D
rs6838639	passed	4	123118615	4q27				T1D
rs13109219	passed	4	123119979	4q27				T1D
rs9999992	passed	4	123121534	4q27				T1D
rs11098653	passed	4	123122540	4q27				T1D
rs13130390	passed	4	123122656	4q27				T1D
rs7672750	passed	4	123127576	4q27				T1D
rs4833240	failed	4	123128394	4q27				T1D
rs11098654	failed	4	123128865	4q27				T1D
rs1526920	passed	4	123130691	4q27				T1D
rs17596104	failed	4	123143686	4q27				T1D
rs1918179	failed	4	123151592	4q27				T1D

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs4833241	failed	4	123153141	4q27				T1D
rs10004294	failed	4	123168502	4q27				T1D
rs1526915	failed	4	123178762	4q27				T1D
rs12650119	failed	4	123182262	4q27				T1D
rs2390275	passed	4	123186834	4q27				T1D
rs4240266	passed	4	123193044	4q27				T1D
rs10516614	failed	4	123193143	4q27				T1D
rs6840372	passed	4	123198294	4q27				T1D
rs12510683	passed	4	123199089	4q27				T1D
rs7661311	passed	4	123201709	4q27				T1D
rs1880864	passed	4	123206638	4q27				T1D
rs4833808	failed	4	123211949	4q27				T1D
rs1949946	passed	4	123219411	4q27				T1D
rs13107397	passed	4	123220301	4q27				T1D
rs13118075	passed	4	123227966	4q27				T1D
rs4279237	passed	4	123228624	4q27				T1D
rs11931332	passed	4	123236177	4q27				T1D
rs3115227	failed	4	123240337	4q27				T1D
rs12152645	failed	4	123242656	4q27				T1D
rs6534338	failed	4	123246319	4q27				T1D
rs2892988	passed	4	123273347	4q27				T1D
rs13151961	passed	4	123334952	4q27	KIAA1109	KIAA1109	KIAA1109	T1D
rs6827444	passed	4	123352628	4q27	KIAA1109	KIAA1109	KIAA1109	T1D
rs6854090	passed	4	123384863	4q27	KIAA1109	KIAA1109	KIAA1109	T1D
rs13119723	failed	4	123437763	4q27	KIAA1109	KIAA1109	KIAA1109	T1D
rs7693745	failed	4	123455033	4q27	KIAA1109	KIAA1109	KIAA1109	T1D
rs1127348	failed	4	123500310	4q27	KIAA1109	KIAA1109	KIAA1109	T1D
rs17005693	failed	4	123500743	4q27	KIAA1109	KIAA1109	KIAA1109	T1D

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs6853169	passed	4	123537515	4q27	ADAD1	ADAD1	ADAD1	T1D
rs12499753	failed	4	123552627	4q27	ADAD1	ADAD1	ADAD1	T1D
rs11732095	failed	4	123567795	4q27	ADAD1	ADAD1	ADAD1	T1D
rs4833248	failed	4	123599855	4q27		IL2	IL2	T1D
rs4833832	failed	4	123676077	4q27				T1D
rs976184	passed	4	123742121	4q27	IL21	IL21	IL21	T1D
rs907715	failed	4	123754503	4q27	IL21	IL21	IL21	T1D
rs13143866	passed	4	123760208	4q27	IL21	IL21	IL21	T1D
rs4295278	failed	4	123766991	4q27			IL21	T1D
rs4833838	failed	4	123770148	4q27			IL21	T1D
rs10518402	passed	4	123774240	4q27				T1D
rs13137822	failed	4	123776686	4q27				T1D
rs2137497	passed	4	123777704	4q27				T1D
rs2390352	failed	4	123777780	4q27				T1D
rs7687094	passed	4	123779802	4q27				T1D
rs1022234	failed	4	123782528	4q27				T1D
rs6419221	failed	4	123783569	4q27				T1D
rs1533236	passed	4	123783908	4q27				T1D
rs13110000	failed	4	123797510	4q27				T1D
rs12511287	passed	4	123797981	4q27				T1D
rs10518400	passed	4	123801876	4q27				T1D
rs13147359	passed	4	123816621	4q27				T1D
rs7664318	passed	4	123818574	4q27				T1D
rs7705904	passed	5	35811415	5p13.2	SPEF2	SPEF2	SPEF2	autoimmune
rs11749262	failed	5	35811996	5p13.2	SPEF2	SPEF2	SPEF2	autoimmune
rs4869631	passed	5	35812824	5p13.2	SPEF2	SPEF2	SPEF2	autoimmune
rs10941263	passed	5	35817192	5p13.2	SPEF2	SPEF2	SPEF2	autoimmune
rs4869476	passed	5	35819783	5p13.2	SPEF2	SPEF2	SPEF2	autoimmune

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs10058955	failed	5	35823630	5p13.2	SPEF2	SPEF2	SPEF2	autoimmune
rs2201409	passed	5	35834439	5p13.2	SPEF2	SPEF2	SPEF2	autoimmune
rs3822735	passed	5	35835751	5p13.2	SPEF2	SPEF2	SPEF2	autoimmune
rs2361394	passed	5	35836304	5p13.2	SPEF2	SPEF2	SPEF2	autoimmune
rs10050755	passed	5	35836882	5p13.2	SPEF2	SPEF2	SPEF2	autoimmune
rs10155582	passed	5	35840482	5p13.2	SPEF2	SPEF2	SPEF2	autoimmune
rs12521860	passed	5	35849862	5p13.2	SPEF2	SPEF2	SPEF2	autoimmune
rs6869232	passed	5	35854904	5p13.2		SPEF2	SPEF2	autoimmune
rs11746643	failed	5	35869474	5p13.2				autoimmune
rs12697352	passed	5	35872991	5p13.2				autoimmune
rs975433	failed	5	35874533	5p13.2				autoimmune
rs1353251	passed	5	35892964	5p13.2	IL7R	IL7R	IL7R	autoimmune
rs11567697	failed	5	35894081	5p13.2	IL7R	IL7R	IL7R	autoimmune
rs7711202	failed	5	35902687	5p13.2	IL7R	IL7R	IL7R	autoimmune
rs11567751	passed	5	35907441	5p13.2	IL7R	IL7R	IL7R	autoimmune
rs6897932	passed	5	35910332	5p13.2	IL7R	IL7R	IL7R	autoimmune
rs3194051	passed	5	35912031	5p13.2	IL7R	IL7R	IL7R	autoimmune
rs10063294	failed	5	35913262	5p13.2	IL7R	IL7R	IL7R	autoimmune
rs11957503	passed	5	35918933	5p13.2		IL7R	IL7R	autoimmune
rs10214237	passed	5	35919491	5p13.2		IL7R	IL7R	autoimmune
rs1445898	failed	5	35946286	5p13.2	CAPSL	CAPSL	CAPSL	autoimmune
rs4024109	failed	5	35955375	5p13.2	CAPSL	CAPSL	CAPSL	autoimmune
rs852252	failed	5	35956309	5p13.2	CAPSL	CAPSL	CAPSL	autoimmune
rs852250	passed	5	35958697	5p13.2	CAPSL	CAPSL	CAPSL	autoimmune
rs6897339	passed	5	35961039	5p13.2	CAPSL	CAPSL	CAPSL	autoimmune
rs11948151	passed	5	35962098	5p13.2	CAPSL	CAPSL	CAPSL	autoimmune
rs700174	passed	5	35968960	5p13.2	CAPSL	CAPSL	CAPSL	autoimmune
rs2289878	passed	5	35975534	5p13.2		CAPSL	CAPSL	autoimmune

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs10472267	failed	5	35976122	5p13.2		CAPSL	CAPSL	autoimmune
rs17313031	failed	5	35978112	5p13.2		CAPSL	CAPSL	autoimmune
rs852234	failed	5	35983393	5p13.2			UGT3A1 CAPSL	autoimmune
rs10045685	passed	5	35989454	5p13.2	UGT3A1	UGT3A1	UGT3A1	autoimmune
rs17313606	passed	5	35989985	5p13.2	UGT3A1	UGT3A1	UGT3A1	autoimmune
rs700162	passed	5	35999264	5p13.2	UGT3A1	UGT3A1	UGT3A1	autoimmune
rs10472991	passed	5	36000043	5p13.2	UGT3A1	UGT3A1	UGT3A1	autoimmune
rs10040617	failed	5	36002438	5p13.2	UGT3A1	UGT3A1	UGT3A1	autoimmune
rs4869450	passed	5	36004600	5p13.2	UGT3A1	UGT3A1	UGT3A1	autoimmune
rs1122533	passed	5	36005016	5p13.2	UGT3A1	UGT3A1	UGT3A1	autoimmune
rs10512634	failed	5	36023308	5p13.2	UGT3A1	UGT3A1	UGT3A1	autoimmune
rs16902679	passed	5	36028378	5p13.2	UGT3A1	UGT3A1	UGT3A1	autoimmune
rs7715372	failed	5	36038974	5p13.2	UGT3A1	UGT3A1	UGT3A1	autoimmune
rs11738231	passed	5	36050403	5p13.2	UGT3A1	UGT3A1	UGT3A1	autoimmune
rs2447876	passed	5	36063957	5p13.2	UGT3A1	UGT3A1	UGT3A1 UGT3A2	autoimmune
rs3912137	passed	5	36069777	5p13.2	UGT3A1	UGT3A1 UGT3A2	UGT3A1 UGT3A2	autoimmune
rs6451254	failed	5	36072035	5p13.2	UGT3A1 UGT3A2	UGT3A1 UGT3A2	UGT3A1 UGT3A2	autoimmune
rs2289876	passed	5	36074074	5p13.2	UGT3A1 UGT3A2	UGT3A1 UGT3A2	UGT3A1 UGT3A2	autoimmune
rs1287277	failed	5	36083276	5p13.2	UGT3A1 UGT3A2	UGT3A1 UGT3A2	UGT3A1 UGT3A2	autoimmune
rs1287276	failed	5	36083458	5p13.2	UGT3A1 UGT3A2	UGT3A1 UGT3A2	UGT3A1 UGT3A2	autoimmune
rs1353269	passed	5	36083590	5p13.2	UGT3A1 UGT3A2	UGT3A1 UGT3A2	UGT3A1 UGT3A2	autoimmune
rs1287262	failed	5	36092985	5p13.2	UGT3A2	UGT3A2	UGT3A1 UGT3A2	autoimmune
rs1287260	passed	5	36094908	5p13.2	UGT3A2	UGT3A2	UGT3A1 UGT3A2	autoimmune
rs17234657	passed	5	40437266	5p13.1				autoimmune

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs1373692	passed	5	40466940	5p13.1				T1D
rs9292777	passed	5	40473705	5p13.1				T1D
rs3792876	passed	5	131665208	5q31.1	SLC22A4	SLC22A4	SLC22A4 P4HA2	autoimmune
rs2073838	passed	5	131677121	5q31.1	SLC22A4	SLC22A4	SLC22A4	autoimmune
rs1050152	passed	5	131704219	5q31.1	SLC22A4	SLC22A4	SLC22A4	autoimmune
rs11739135	failed	5	131761296	5q31.1		SLC22A5	SLC22A5	autoimmune
rs6596075	failed	5	131770127	5q31.1		LOC441108	LOC441108	autoimmune
rs10077785	passed	5	131829057	5q31.1	LOC441108	LOC441108	LOC441108	autoimmune
rs249611	passed	5	133492556	5q31.1	TCF7	TCF7	TCF7	autoimmune
rs13361189	passed	5	150203580	5q33.1		IRGM	IRGM	autoimmune
rs4958847	passed	5	150219780	5q33.1				autoimmune
rs1000113	passed	5	150220269	5q33.1				autoimmune
rs3212227	passed	5	158675528	5q33.3	IL12B	IL12B	IL12B	autoimmune
rs10045431	failed	5	158747111	5q33.3				autoimmune
rs6887695	failed	5	158755223	5q33.3				autoimmune
rs12200871	passed	6	20649085	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9366354	failed	6	20653447	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9465803	failed	6	20658822	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs13199421	failed	6	20664190	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9350258	failed	6	20664884	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs13203450	passed	6	20673935	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4291090	failed	6	20678018	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs962576	passed	6	20682568	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs12213132	passed	6	20694018	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs6907767	failed	6	20697320	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs12204865	passed	6	20709388	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9356740	passed	6	20722693	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs2065	failed	6	20725499	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs9368214	passed	6	20727809	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs1569660	passed	6	20730732	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9465838	passed	6	20733470	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs6917583	passed	6	20734361	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4515379	failed	6	20735420	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs13194407	failed	6	20738932	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs17823073	passed	6	20741024	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9460538	failed	6	20748516	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs7739974	passed	6	20754049	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9460540	passed	6	20756741	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs6456364	failed	6	20757233	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9295475	passed	6	20760744	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs16884072	passed	6	20763482	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs6456369	passed	6	20768344	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs10946398	failed	6	20769013	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9358356	passed	6	20775361	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9350270	failed	6	20775778	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs12527373	passed	6	20779261	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4712528	passed	6	20786409	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs1569699	passed	6	20787289	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs7756992	failed	6	20787688	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs2206736	passed	6	20791961	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs6911357	failed	6	20798290	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs2206735	failed	6	20802573	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs3749925	passed	6	20820440	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs13216165	passed	6	20825100	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9368224	passed	6	20827211	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9356747	passed	6	20832986	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs7741604	passed	6	20839503	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9465873	passed	6	20841368	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs12211466	passed	6	20841433	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9368228	passed	6	20845736	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9358363	passed	6	20851931	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4710945	failed	6	20853053	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs7738382	passed	6	20854215	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9465877	passed	6	20860358	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs10946405	passed	6	20861420	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs2819996	passed	6	20863911	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs7452218	failed	6	20875450	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9348445	passed	6	20918026	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs7753109	passed	6	20929468	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9460563	failed	6	20932997	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9356756	failed	6	20952130	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs17234378	passed	6	20952720	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4397214	failed	6	20960793	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4236002	failed	6	20962984	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs12211628	passed	6	20964570	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4712556	passed	6	20964682	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs5007237	failed	6	20969205	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs7749397	passed	6	20974027	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9350294	failed	6	20978072	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4077403	passed	6	20984489	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4077405	failed	6	20984662	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4712561	failed	6	20986261	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs6456382	passed	6	21009290	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4710958	passed	6	21018982	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs12190631	failed	6	21020651	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs16884302	failed	6	21034296	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs11970010	failed	6	21038014	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs11970030	passed	6	21038092	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs16884308	failed	6	21041656	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4712569	passed	6	21047359	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs6922187	failed	6	21059866	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4631270	failed	6	21061204	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs7775523	failed	6	21063311	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs201351	passed	6	21094109	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs201346	passed	6	21097265	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs201342	failed	6	21102229	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs449233	passed	6	21105348	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs1498426	failed	6	21116132	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs374654	passed	6	21117087	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9465946	failed	6	21117867	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs1548145	failed	6	21118547	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs16884376	failed	6	21122975	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs201311	failed	6	21124511	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs10946425	failed	6	21126634	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9465948	passed	6	21132081	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs201307	passed	6	21133737	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs6921781	passed	6	21136038	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4710961	passed	6	21139058	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs201300	passed	6	21141944	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs12198160	failed	6	21142726	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs201298	failed	6	21144118	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs201297	passed	6	21144658	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs9295488	failed	6	21145593	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs201312	passed	6	21146814	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs17662372	failed	6	21148356	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs10806930	failed	6	21158291	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs16884468	failed	6	21170765	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs1001310	failed	6	21173766	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4367364	passed	6	21184599	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4599624	passed	6	21186666	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs10080639	failed	6	21187063	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4310041	passed	6	21187610	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs7750461	failed	6	21187688	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4323302	passed	6	21189185	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9366376	failed	6	21189629	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs12200487	passed	6	21196061	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs6456395	passed	6	21196650	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs6939622	failed	6	21202717	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4454125	passed	6	21202933	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs7744319	passed	6	21207331	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4712584	passed	6	21210536	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs11968036	passed	6	21211436	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4130302	failed	6	21212138	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs6936205	failed	6	21214087	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9356763	failed	6	21216145	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4340995	failed	6	21223279	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4389757	passed	6	21226218	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4076112	passed	6	21228748	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4479917	passed	6	21231967	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs7750839	failed	6	21234866	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs9295494	passed	6	21239291	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9348456	failed	6	21251345	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs17835633	failed	6	21252098	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs10498701	passed	6	21252578	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs1466340	failed	6	21254245	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs7752602	passed	6	21258436	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9295497	passed	6	21262775	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4712586	passed	6	21265017	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs6931316	failed	6	21266252	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9465981	failed	6	21282590	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs12526391	passed	6	21284103	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9465982	passed	6	21286261	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9295501	failed	6	21290957	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9465985	failed	6	21293569	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9465989	passed	6	21295996	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9465991	failed	6	21299907	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs7748091	passed	6	21304976	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9465993	passed	6	21305669	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs3793090	passed	6	21306062	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs1459047	failed	6	21308369	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9465994	passed	6	21309472	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs12527588	passed	6	21312801	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs6902505	passed	6	21316195	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs1563728	passed	6	21317978	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs12664336	failed	6	21318882	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9358400	passed	6	21321286	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs10214694	passed	6	21321533	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs6913136	failed	6	21323380	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs4710965	passed	6	21326649	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs6937610	passed	6	21327416	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs12203389	passed	6	21328510	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs12191541	passed	6	21328818	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs7770752	failed	6	21332496	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs6942273	passed	6	21333556	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9466006	failed	6	21333618	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs4710966	passed	6	21336867	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9460611	passed	6	21338815	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs9460612	passed	6	21338986	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs1563727	failed	6	21339453	6p22.3	CDKAL1	CDKAL1	CDKAL1	T2D
rs2280714	failed	7	128381961	7q32.1		TNPO3 IRF5	TNPO3 IRF5	autoimmune
rs11761231	passed	7	131020579	7q32.3		hCG_19809	hCG_19809	autoimmune
rs12547741	failed	8	118217864	8q24.11	SLC30A8	SLC30A8	SLC30A8	T2D
rs11989843	passed	8	118220174	8q24.11	SLC30A8	SLC30A8	SLC30A8	T2D
rs17738231	passed	8	118225531	8q24.11	SLC30A8	SLC30A8	SLC30A8	T2D
rs4876369	passed	8	118232685	8q24.11	SLC30A8	SLC30A8	SLC30A8	T2D
rs7001168	passed	8	118239433	8q24.11	SLC30A8	SLC30A8	SLC30A8	T2D
rs2466298	passed	8	118252839	8q24.11	SLC30A8	SLC30A8	SLC30A8	T2D
rs2466296	passed	8	118253308	8q24.11	SLC30A8	SLC30A8	SLC30A8	T2D
rs13266634	passed	8	118253964	8q24.11	SLC30A8	SLC30A8	SLC30A8	T2D
rs3802178	failed	8	118254139	8q24.11	SLC30A8	SLC30A8	SLC30A8	T2D
rs2466295	failed	8	118254222	8q24.11	SLC30A8	SLC30A8	SLC30A8	T2D
rs2466293	failed	8	118255119	8q24.11	SLC30A8	SLC30A8	SLC30A8	T2D
rs10282940	passed	8	118257007	8q24.11	SLC30A8	SLC30A8	SLC30A8	T2D
rs3217992	passed	9	21993223	9p21.3	RP11-145E5.4 CDKN2B	RP11-145E5.4 CDKN2B	RP11-145E5.4 CDKN2A CDKN2B	T2D
rs1063192	failed	9	21993367	9p21.3	RP11-145E5.4 CDKN2B	RP11-145E5.4 CDKN2B	RP11-145E5.4 CDKN2A CDKN2B	T2D

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs3217986	passed	9	21995330	9p21.3	RP11-145E5.4 CDKN2B	RP11-145E5.4 CDKN2B	RP11-145E5.4 CDKN2B	T2D
rs2069422	failed	9	21998026	9p21.3	RP11-145E5.4 CDKN2B	RP11-145E5.4 CDKN2B	RP11-145E5.4 CDKN2B	T2D
rs564398	failed	9	22019547	9p21.3	RP11-145E5.4	RP11-145E5.4	RP11-145E5.4	T2D
rs10811661	passed	9	22124094	9p21.3				T2D
rs10118357	passed	9	122719889	9q33.2	TRAF1	TRAF1	TRAF1	autoimmune
rs3761847	failed	9	122730060	9q33.2	TRAF1	TRAF1	TRAF1	autoimmune
rs10761659	passed	10	64115570	10q21.2				autoimmune
rs1248696	failed	10	79286611	10q22.3	DLG5	DLG5	DLG5	autoimmune
rs2275729	failed	10	94442410	10q23.33	HHEX	HHEX	HHEX	T2D
rs1111875	passed	10	94452862	10q23.33			HHEX	T2D
rs7923837	failed	10	94471897	10q23.33				T2D
rs10883365	failed	10	101277754	10q24.2		NKX2-3	NKX2-3	autoimmune
rs2419598	failed	10	113596288	10q25.2				T2D
rs7903146	failed	10	114748339	10q25.2	TCF7L2	TCF7L2	TCF7L2	T2D
rs12255372	failed	10	114798892	10q25.2	TCF7L2	TCF7L2	TCF7L2	T2D
rs870849	passed	12	6757281	12p13.31	LAG3	LAG3	LAG3 PTMS	autoimmune
rs7308505	passed	12	54614966	12q13.2	DGKA	DGKA	LOC10012908 7 DGKA WIBG	T1D
rs1052165	passed	12	54637613	12q13.2	SILV	DGKA SILV	CDK2 DGKA SILV	T1D
rs12309895	failed	12	54645352	12q13.2	SILV	CDK2 SILV	CDK2 RAB5B SILV	T1D
rs2069408	failed	12	54650588	12q13.2	CDK2	CDK2 RAB5B SILV	LOC10013129 4 CDK2 RAB5B SILV	T1D
rs2069414	failed	12	54651966	12q13.2	CDK2	CDK2 RAB5B	LOC10013129 4 CDK2 RAB5B SILV	T1D
rs17528736	failed	12	54654785	12q13.2	RAB5B	CDK2 RAB5B	LOC10013129 4 CDK2 RAB5B SILV	T1D

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs17118206	failed	12	54665565	12q13.2	LOC10013129 4 RAB5B	LOC10013129 4 RAB5B	LOC10013129 4 RAB5B	T1D
rs773126	passed	12	54681687	12q13.2	SUOX	LOC10013129 4 SUOX	LOC10013129 4 RAB5B SUOX	T1D
rs10876864	passed	12	54687352	12q13.2		SUOX	LOC10013129 4 SUOX	T1D
rs772921	failed	12	54689844	12q13.2		SUOX	IKZF4 SUOX	T1D
rs2658479	passed	12	54703670	12q13.2	IKZF4	IKZF4	IKZF4	T1D
rs12580100	passed	12	54725476	12q13.2		RPS26	RPS26 IKZF4	T1D
rs1508211	failed	12	54762569	12q13.2	ERBB3	ERBB3	ERBB3	T1D
rs2271195	failed	12	54763756	12q13.2	ERBB3	ERBB3	ERBB3	T1D
rs2271194	passed	12	54763961	12q13.2	ERBB3	ERBB3	ERBB3	T1D
rs705708	passed	12	54775180	12q13.2	ERBB3	ERBB3	ERBB3 PA2G4	T1D
rs773123	failed	12	54781265	12q13.2	ERBB3	ERBB3 PA2G4	ERBB3 PA2G4	T1D
rs11171747	passed	12	54804675	12q13.2		FAM62A ZC3H10	FAM62A RPL41 ZC3H10	T1D
rs3809134	failed	12	54832278	12q13.2		MYL6B	MYL6B FAM62A MYL6	T1D
rs773643	passed	12	54861455	12q13.2	SMARCC2	SMARCC2	SMARCC2	T1D
rs7977273	passed	12	54869911	12q13.2		SMARCC2	SMARCC2	T1D
rs10747763	failed	12	54889333	12q13.2	RNF41	RNF41	RNF41	T1D
rs1274495	passed	12	54902634	12q13.2	OBFC2B	RNF41 OBFC2B	RNF41 SLC39A5 OBFC2B	T1D
rs17118403	passed	12	54916334	12q13.2	SLC39A5	ANKRD52 SLC39A5	ANKRD52 SLC39A5 OBFC2B	T1D
rs1148555	failed	12	56204901	12q13.3	MBD6	MBD6 DDIT3	DCTN2 MBD6 DDIT3 MARS	autoimmune
rs730560	passed	12	56224832	12q13.3	DCTN2	DCTN2	DCTN2 KIF5A	autoimmune

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs6581146	failed	12	56232744	12q13.3	KIF5A	KIF5A	DCTN2 KIF5A	autoimmune
rs775246	passed	12	56261422	12q13.3	KIF5A	KIF5A	KIF5A PIP4K2C	autoimmune
rs1678536	passed	12	56265457	12q13.3	KIF5A	KIF5A	KIF5A PIP4K2C	autoimmune
rs7313599	passed	12	56265822	12q13.3	KIF5A	KIF5A	KIF5A PIP4K2C	autoimmune
rs1078109	passed	12	56272633	12q13.3	PIP4K2C	PIP4K2C	KIF5A PIP4K2C	autoimmune
rs812315	passed	12	56279757	12q13.3	PIP4K2C	PIP4K2C	DTX3 PIP4K2C	autoimmune
rs2306390	passed	12	56288866	12q13.3	DTX3	GEFT DTX3	GEFT DTX3 PIP4K2C	autoimmune
rs1564374	passed	12	56296430	12q13.3	GEFT	GEFT SLC26A10	GEFT DTX3 B4GALNT1 SLC26A10	autoimmune
rs11613457	failed	12	56298500	12q13.3		GEFT SLC26A10	GEFT DTX3 B4GALNT1 SLC26A10	autoimmune
rs12322482	failed	12	56308341	12q14.1	B4GALNT1	B4GALNT1 SLC26A10	B4GALNT1 SLC26A10	autoimmune
rs2640629	passed	12	56351715	12q14.1				autoimmune
rs4760319	failed	12	56373753	12q14.1		OS9	OS9	autoimmune
rs1050045	failed	12	56401538	12q14.1	OS9	LOC10013077 6 OS9 AGAP2	LOC10013077 6 OS9 AGAP2	autoimmune
rs701008	passed	12	56403912	12q14.1	AGAP2	LOC10013077 6 OS9 AGAP2	LOC10013077 6 OS9 AGAP2	autoimmune
rs2301551	passed	12	56410801	12q14.1	AGAP2	LOC10013077 6 AGAP2	LOC10013077 6 OS9 AGAP2	autoimmune
rs12307841	passed	12	56411705	12q14.1	AGAP2	LOC10013077 6 AGAP2	LOC10013077 6 AGAP2	autoimmune
rs4646537	failed	12	56443548	12q14.1	CYP27B1	CYP27B1 METTL1 MARCH9	CYP27B1 FAM119B METTL1 MARCH9	autoimmune
rs8176345	passed	12	56444825	12q14.1	CYP27B1	CYP27B1 METTL1 MARCH9	CYP27B1 FAM119B METTL1 MARCH9	autoimmune

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs17565804	passed	12	56462687	12q14.1		TSM FAM119B	TSM FAM119B	autoimmune
rs10877020	failed	12	56474281	12q14.1	TSM	TSM AVIL	TSM AVIL	autoimmune
rs12582311	passed	12	56489531	12q14.1	AVIL	AVIL	AVIL	autoimmune
rs11172349	passed	12	56498795	12q14.1		LOC10013467 0 CTDSP2 AVIL	LOC10013467 0 CTDSP2 AVIL	autoimmune
rs10783853	passed	12	56520529	12q14.1	LOC10013467 0 CTDSP2	LOC10013467 0 CTDSP2	LOC10013467 0 CTDSP2	autoimmune
rs1599750	failed	12	56528812	12q14.1		LOC10013467 0 CTDSP2	LOC10013467 0 CTDSP2	autoimmune
rs7312623	passed	12	56548790	12q14.1				autoimmune
rs4760341	passed	12	56567762	12q14.1				autoimmune
rs17119991	passed	12	56575963	12q14.1				autoimmune
rs7977734	passed	12	56587329	12q14.1				autoimmune
rs4630335	passed	12	56588525	12q14.1				autoimmune
rs10877035	passed	12	56607785	12q14.1				autoimmune
rs17568156	passed	12	56631611	12q14.1	XRCC6BP1	XRCC6BP1	XRCC6BP1	autoimmune
rs4760347	failed	12	56633135	12q14.1	XRCC6BP1	XRCC6BP1	XRCC6BP1	autoimmune
rs10783861	failed	12	56644208	12q14.1			XRCC6BP1	autoimmune
rs1506888	passed	12	56683240	12q14.1				autoimmune
rs10747790	passed	12	56692096	12q14.1				autoimmune
rs17492255	passed	12	56697077	12q14.1				autoimmune
rs12368865	failed	12	56708909	12q14.1				autoimmune
rs4354731	passed	12	56764865	12q14.1				autoimmune
rs2260688	passed	12	56764956	12q14.1				autoimmune
rs2733449	passed	12	56775580	12q14.1				autoimmune
rs12809238	passed	12	56785214	12q14.1				autoimmune
rs2939817	failed	12	56803267	12q14.1				autoimmune
rs9738727	passed	12	56818624	12q14.1				autoimmune
rs1109125	passed	12	56820511	12q14.1				autoimmune

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs7297872	failed	12	56823617	12q14.1				autoimmune
rs7967135	passed	12	56831898	12q14.1				autoimmune
rs1587686	failed	12	56834102	12q14.1				autoimmune
rs11172479	passed	12	56843001	12q14.1				autoimmune
rs12426565	passed	12	56844571	12q14.1				autoimmune
rs11172482	failed	12	56846693	12q14.1				autoimmune
rs17120410	failed	12	56848558	12q14.1				autoimmune
rs10161493	passed	12	56849198	12q14.1				autoimmune
rs7304461	failed	12	110953538	12q24.13	C12orf30	C12orf30	ERP29 C12orf30	T1D
rs12298022	passed	12	110955473	12q24.13	C12orf30	C12orf30	C12orf30	T1D
rs17696736	passed	12	110971201	12q24.13	C12orf30	C12orf30	C12orf30	T1D
rs7958564	failed	12	110991239	12q24.13	C12orf30	C12orf30	C12orf30	T1D
rs4767364	passed	12	111005831	12q24.13	C12orf30	C12orf30	C12orf30	T1D
rs7304572	failed	12	111009456	12q24.13	C12orf30	C12orf30	C12orf30	T1D
rs3087456	failed	16	10878403	16p13.13		CIITA	CIITA	autoimmune
rs17221417	failed	16	49297083	16q12.1	NOD2	NOD2	NOD2	autoimmune
rs2066845	failed	16	49314041	16q12.1	NOD2	NOD2	NOD2	autoimmune
rs8050136	failed	16	52373776	16q12.2	FTO	FTO	FTO	T2D
rs9939609	passed	16	52378028	16q12.2	FTO	FTO	FTO	T2D
rs8050910	passed	16	83696674	16q24.1	FAM92B	FAM92B	FAM92B	autoimmune
rs6502867	passed	17	5361052	17p13.2	NLRP1	NLRP1	NLRP1	autoimmune
rs2670660	failed	17	5459730	17p13.2				autoimmune
rs8182352	passed	17	5495711	17p13.2				autoimmune
rs4430796	failed	17	33172153	17q12	HNF1B	HNF1B	HNF1B	T2D
rs28514842	failed	17	36657791	17q21.2	KRTAP9-9	KRTAP9-9 KRTAP9-4	KRTAP9-9 KRTAP9-8 KRTAP9-4	autoimmune
rs734232	passed	17	70277326	17q25.1		NAT9 SLC9A3R1	NAT9 TMEM104 SLC9A3R1	autoimmune

Supplementary Table 1 Continued

SNP	passed/failed	Chr	Position	Band	Gene(s)	Gene(s)5kb	Gene(s)10kb	T1D, T2D or autoimmune
rs2305214	failed	17	70280565	17q25.1	NAT9	NAT9 TMEM104 SLC9A3R1	NAT9 TMEM104 SLC9A3R1	autoimmune
rs1564864	failed	17	76256640	17q25.3	KIAA1303	KIAA1303	KIAA1303	autoimmune
rs869190	failed	17	76283188	17q25.3	KIAA1303	KIAA1303	KIAA1303	autoimmune
rs2542151	passed	18	12769947	18p11.21			PTPN2	T1D
rs6110460	passed	20	156168	20p13	DEFB129	DEFB129	DEFB129	autoimmunity
rs512625	passed	20	3596378	20p13		GFRA4 ADAM33	GFRA4 ADAM33	autoimmunity
rs2787094	failed	20	3597161	20p13	ADAM33	ADAM33	GFRA4 ADAM33	autoimmunity
rs6053417	failed	20	5395617	20p12.3		LOC643406	LOC643406	autoimmune
rs2268277	passed	21	35103919	21q22.12	RUNX1	RUNX1	RUNX1	autoimmune
rs2836754	passed	21	39213610	21q22.2	FLJ45139	FLJ45139	FLJ45139	autoimmune
rs2070766	failed	22	22567221	22q11.23	MIF	MIF	LOC10013170 2 MIF SLC2A11	autoimmune
rs4821544	passed	22	35588449	22q12.3	NCF4	NCF4	NCF4	autoimmune
rs729749	passed	22	35593792	22q12.3	NCF4	NCF4	NCF4	autoimmune

Passed/failed – indicates whether the SNP was successfully genotyped in the families.

Gene region column indicates the genes in the 5kb or 10kb interval flanking the SNP.