Additional File 3: Table S3. Non-synonymous coding variants of candidate genes in humans.

a. *Rsad2*

Marker ID	Chr: bp	Alleles	Class	Type	Amino Acid	AA co-ordinate	SIFT	PolyPhen	Transcript
rs35430708	2:7017951	C/A	SNP	Non-synonymous coding	A/D	7 (2)	**deleterious**	benign	ENST00000382040
rs111568894	2:7018011	G/A	SNP	Non-synonymous coding	S/N	27 (2)	**deleterious**	benign	ENST00000382040
rs17851586	2:7018056	T/G	SNP	Non-synonymous coding	L/R	42 (2)	tolerated	benign	ENST00000382040
rs112087451	2:7018074	A/G	SNP	Non-synonymous coding	K/R	48 (2)	tolerated	benign	ENST00000382040
rs2305257	2:7018085	G/A	SNP	Non-synonymous coding	V/I	52 (1)	tolerated	benign	ENST00000382040
rs61740841	2:7027258	C/T	SNP	Non-synonymous coding	T/M	234 (2)	tolerated	**possibly damaging**	ENST00000382040
rs76802786	2:7019157	T/C	SNP	Non-synonymous coding	S/P	4 (1)	tolerated	**deleterious**	ENST00000541728
rs61740841	2:7027258	C/T	SNP	Non-synonymous coding	T/M	127 (2)	**deleterious**	benign	ENST00000541728

Table S3 continued

b. *Colec11*

Marker ID	Chr: bp	Alleles	Class	Type	Amino Acid	AA co-ordinate	SIFT	PolyPhen	Transcript
rs113532503	2:3653800	A/T	SNP	Non-synonymous coding	S/C	7 (1)	tolerated	benign	ENST00000402794
rs113532503	2:3653800	A/T	SNP	Non-synonymous coding	S/C	7 (1)	tolerated	benign	ENST00000402922
rs113532503	2:3653800	A/T	SNP	Non-synonymous coding	S/C	7 (1)	tolerated	**possibly damaging**	ENST00000403096
rs113532503	2:3653800	A/T	SNP	Non-synonymous coding	S/C	7 (1)	tolerated	benign	ENST00000404205
rs112639715	2:3653813	G/C	SNP	Non-synonymous coding	C/S	11 (2)	**deleterious**	benign	ENST00000402794
rs112639715	2:3653813	G/C	SNP	Non-synonymous coding	C/S	11 (2)	tolerated	benign	ENST00000402922
rs112639715	2:3653813	G/C	SNP	Non-synonymous coding	C/S	11 (2)	tolerated	benign	ENST00000403096
rs112639715	2:3653813	G/C	SNP	Non-synonymous coding	C/S	11 (2)	tolerated	benign	ENST00000404205
rs62107197	2:3660935	C/T	SNP	Non-synonymous coding	P/L	26 (2)	-	unknown	ENST00000236693
rs112274120	2:3673680	A/G	SNP	Non-synonymous coding, Splice site	Q/R	64 (2)	**deleterious**	benign	ENST00000236693
rs113757131	2:3691448	A/G	SNP	Non-synonymous coding	N/D	183 (1)	tolerated	**probably damaging**	ENST00000236693
rs113757131	2:3691448	A/G	SNP	Non-synonymous coding	N/D	186 (1)	**deleterious**	**probably damaging**	ENST00000349077
rs113757131	2:3691448	A/G	SNP	Non-synonymous coding	N/D	162 (1)	**deleterious**	**probably damaging**	ENST00000382062
rs113757131	2:3691448	A/G	SNP	Non-synonymous coding	N/D	136 (1)	tolerated	**probably damaging**	ENST00000402794
rs113757131	2:3691448	A/G	SNP	Non-synonymous coding	N/D	136 (1)	**deleterious**	**probably damaging**	ENST00000402922
rs113757131	2:3691448	A/G	SNP	Non-synonymous coding	N/D	160 (1)	tolerated	**probably damaging**	ENST00000403096

rs113757131	2:3691448	A/G	SNP	Non-synonymous coding	N/D	112 (1)	tolerated	**probably damaging**	ENST00000404205
rs113757131	2:3691448	A/G	SNP	Non-synonymous coding	N/D	200 (1)	**deleterious**	**probably damaging**	ENST00000418971
rs7567833	2:3691548	A/G	SNP	Non-synonymous coding	H/R	216 (2)	tolerated	benign	ENST00000236693
rs7567833	2:3691548	A/G	SNP	Non-synonymous coding	H/R	219 (2)	tolerated	benign	ENST00000349077
rs7567833	2:3691548	A/G	SNP	Non-synonymous coding	H/R	195 (2)	tolerated	benign	ENST00000382062
rs7567833	2:3691548	A/G	SNP	Non-synonymous coding	H/R	169 (2)	tolerated	benign	ENST00000402794
rs7567833	2:3691548	A/G	SNP	Non-synonymous coding	H/R	169 (2)	tolerated	benign	ENST00000402922
rs7567833	2:3691548	A/G	SNP	Non-synonymous coding	H/R	193 (2)	tolerated	benign	ENST00000403096
rs7567833	2:3691548	A/G	SNP	Non-synonymous coding	H/R	145 (2)	tolerated	benign	ENST00000404205
rs7567833	2:3691548	A/G	SNP	Non-synonymous coding	H/R	233 (2)	tolerated	benign	ENST00000418971