

Table S2. Summary of genomic annotation for LD surrogates of rs2367209.

FIELD	DESCRIPTION
chr	Chromosome
pos (hg38)	Chromosome position on hg38 obtained from dbSNP build 141
LD (r^2)	Pairwise r^2 measure of LD with query SNP from 1000 Genomes Project EUR data
LD (D')	Pairwise D' measure of LD with query SNP from 1000 Genomes Project EUR data
variant	rsID of collected SNP
Ref	Reference nucleotide(s)
Alt	Alternate nucleotide(s)
AFR freq	Allele frequency for African population
AMR freq	Allele frequency for American population
ASN freq	Allele frequency for Asian population
EUR freq	Allele frequency for European population
GERP cons	Conserved regions by GERP (Blue: conserved)
SiPhy cons	Conserved regions by SiPhy (Purple: conserved)
Promoter histone marks	Summary of ChromHMM (core 15-state model) states corresponding to promoter elements from the Roadmap Epigenomics project
Enhancer histone marks	Summary of ChromHMM (core 15-state model) states corresponding to enhancer elements from the Roadmap Epigenomics project
DNase	Summary of DNase hypersensitivity from the Roadmap Epigenomics project
Proteins bound	Protein bound(s) by ChIP-Seq
Motif changed	Motif alteration(s) from TRANSFAC, JASPAR, and protein-binding microarray (PBM) experiments
NHGRI/EBI GWAS hits	SNP in NHGRI GWAS catalog (accessed October 31, 2015)
GRASP QTL hits	SNP in The GRASP Build 2.0.0.0 results and QTLs (non-GWAS)
Selected eQTL hits	SNP in eQTLs obtained from the GTEx analysis V6, the GEUVADIS analysis, and 10 other studies
GENCODE genes	Gene annotations by GENCODE version 13
dbSNP func annot	Functional annotations from dbSNP build 137
RegulomeDB score	RegulomeDB score (http://regulomedb.org/help#score). 1 is most likely to be functional, to 7 = least likely.

chr	pos (hg38)	LD (r ²)	LD (D')	variant	Ref	Alt	AFR freq	AMR freq	ASN freq	EUR freq	GERP cons	SiPhy cons	Promoter histone marks	Enhancer histone marks	DNase	Proteins bound	Motifs changed	NHGRIS/EBI GWAS hits	GRCh38 GRWt hits	Selected eQTL hits	GENCODE genes	dbSNP func annot	RegulomeDB score
3	16049474	0.7	0.92	rs70799693	G	T	0.04	0.21	0.14	0.23						7 altered motifs		22 hits	502bp 3' of KPNAA4	No Data			
3	160548029	0.71	0.93	rs79450266	T	C	0.02	0.2	0.14	0.23						Hif1		22 hits	KPNAA4	intronic	4		
3	160561719	0.61	0.79	rs105054151	T	C	0.12	0.22	0.14	0.26						Pax-5		22 hits	KPNAA4	intronic	4		
3	160571496	0.61	0.79	rs11721112	T	C	0.13	0.22	0.14	0.26							10 tissues	13 tissues				6	
3	160582624	0.61	0.79	rs17441186	C	A	0.05	0.22	0.14	0.26						MUS						6	
3	16058562	0.6	0.79	rs1920663	A	G	0.11	0.22	0.14	0.26						MUS						6	
3	16059150	0.61	0.79	rs10020729	A	G	0.12	0.22	0.14	0.26						GATA		26 hits	21bp 5' of KPNAA4	No Data			
3	16059392	0.61	0.79	rs14457071	G	A	0.11	0.22	0.14	0.26						Cdx,Nanog,Pou2l2		26 hits	21bp 5' of KPNAA4	6			
3	16059423	0.61	0.79	rs14089324	C	T	0.11	0.22	0.14	0.26						HNF4,XBP-1		25 hits	28bp 5' of KPNAA4	No Data			
3	16059386	0.63	0.8	rs479901	G	T	0.18	0.24	0.15	0.27						6 altered motifs		22 hits	29bp 5' of KPNAA4	5			
3	16059475	0.65	0.84	rs1208043	T	C	0.27	0.27	0.18	0.28						CDP,Sox		22 hits	30bp 5' of KPNAA4	No Data			
3	16059649	0.63	0.8	rs1715990	T	C	0.07	0.22	0.15	0.27						14 altered motifs		23 hits	31bp 5' of KPNAA4	6			
3	16059739	0.63	0.8	rs17441187	G	C	0.05	0.22	0.15	0.27						GR		24 hits	36bp 5' of KPNAA4	5			
3	160607379	0.65	0.82	rs16553294	AT	A	0.08	0.22	0.15	0.27						Evi-1,HDAc2,Zfp105		23 hits	41bp 5' of KPNAA4	6			
3	160610760	0.65	0.82	rs479903	C	A	0.07	0.22	0.15	0.27						ST14M		23 hits	45bp 5' of KPNAA4	5			
3	160616529	0.65	0.82	rs30098770	O	T	0.07	0.22	0.15	0.27						NKX2		23 hits	51bp 5' of KPNAA4	5			
3	160618948	0.65	0.82	rs2178451	A	G	0.07	0.22	0.15	0.27						Hmfa,PLZF,TATA		23 hits	52bp 5' of KPNAA4	5			
3	160619244	0.65	0.82	rs2141668	G	A	0.07	0.22	0.15	0.27						MZF1-1.4-Pax-6,p300		23 hits	53bp 5' of KPNAA4	5			
3	16062108	0.66	0.82	rs479904	C	T	0.07	0.22	0.15	0.27						E2A,p-4,RP58	1 hit	23 hits	54bp 5' of ARL14	No Data			
3	160625493	0.66	0.82	rs12632274	G	A	0.07	0.22	0.15	0.27						Sox		23 hits	52bp 5' of ARL14	No Data			
3	160627381	0.66	0.82	rs1920639	A	G	0.06	0.22	0.15	0.27						7 altered motifs		24 hits	56bp 5' of ARL14	6			
3	160631657	0.66	0.82	rs17111447	C	A	0.07	0.22	0.15	0.27						4 altered motifs		23 hits	46bp 5' of ARL14	No Data			
3	16063339	0.66	0.82	rs479906	C	A	0.06	0.22	0.15	0.27						5 altered motifs		23 hits	44bp 5' of ARL14	5			
3	160633813	0.66	0.82	rs479907	C	A	0.06	0.22	0.15	0.27						HNF1		23 hits	43bp 5' of ARL14	No Data			
3	160634531	0.66	0.82	rs1305269	C	T	0.06	0.22	0.15	0.27						EWSR1-FL1		23 hits	40bp 5' of ARL14	5			
3	160637640	0.66	0.82	rs13074231	T	C	0.07	0.22	0.15	0.27						DMRT1-En.1,Pou2l2		23 hits	40bp 5' of ARL14	6			
3	16063802	0.66	0.82	rs1712392	G	A	0.07	0.22	0.15	0.27						4 altered motifs		23 hits	39bp 5' of ARL14	6			
3	160638154	0.66	0.82	rs17153230	G	T	0.07	0.22	0.15	0.27						BDP1-TAL1		23 hits	39bp 5' of ARL14	No Data			
3	160638987	0.71	0.87	rs73587371	T	C	0.14	0.25	0.15	0.28						8 altered motifs		21 hits	37bp 5' of ARL14	6			
3	160641277	0.81	0.95	rs10704242	G	A	0.25	0.22	0.15	0.25						5 altered motifs		19 hits	36bp 5' of ARL14	6			
3	16064290	0.82	0.96	rs734255	C	T	0.32	0.22	0.15	0.25						Pou5f1	1 hit	17 hits	34bp 5' of ARL14	No Data			
3	160646839	0.83	0.96	rs1882125	T	G	0.32	0.22	0.15	0.24						7 altered motifs		17 hits	29bp 5' of ARL14	6			
3	160652030	0.7	0.86	rs1920656	C	T	0.45	0.25	0.15	0.27						16 altered motifs		20 hits	27bp 5' of ARL14	6			
3	160652372	0.6	0.92	rs2178452	G	A	0.47	0.29	0.31	0.34						4 altered motifs		20 hits	24bp 5' of ARL14	6			
3	160653119	0.6	0.92	rs1317085	C	T	0.47	0.29	0.31	0.34						STAT		20 hits	24bp 5' of ARL14	No Data			
3	160655056	0.64	0.97	rs1046866	C	G	0.37	0.23	0.15	0.24						4 altered motifs		16 hits	19bp 5' of ARL14	6			
3	160658087	0.64	0.98	rs79462	A	C	0.6	0.32	0.3	0.35						4 altered motifs		14 hits	19bp 5' of ARL14	5			
3	160659421	0.64	0.98	rs17441189	G	T	0.05	0.22	0.15	0.25						13 altered motifs		14 hits	19bp 5' of ARL14	5			
3	160659385	0.64	0.98	rs745569	G	A	0.06	0.22	0.15	0.25						5 altered motifs		14 hits	19bp 5' of ARL14	5			
3	160659487	0.64	0.98	rs781452	T	C	0.06	0.22	0.15	0.25						4 altered motifs		14 hits	19bp 5' of ARL14	5			
3	160658865	0.6	0.92	rs2366264	C	T	0.59	0.3	0.31	0.34						Bach1,NF-AT1,RBP-Jkappa		19 hits	18bp 5' of ARL14	No Data			
3	160659063	0.6	0.92	rs479909	C	T	0.59	0.3	0.31	0.34						GCNF,GR		20 hits	18bp 5' of ARL14	6			
3	16065932	0.64	0.98	rs777739	C	T	0.6	0.32	0.31	0.35						TCF4		15 hits	18bp 5' of ARL14	6			
3	160659407	0.64	0.98	rs1723556	A	C	0.6	0.32	0.31	0.35						GR,TAL1		14 hits	18bp 5' of ARL14	No Data			
3	16065952	0.64	0.98	rs2272217	A	G	0.6	0.32	0.31	0.35						4 altered motifs		14 hits	18bp 5' of ARL14	6			
3	160659810	0.64	0.98	rs2272218	T	C	0.6	0.32	0.31	0.35						21 altered motifs		14 hits	17bp 5' of ARL14	6			
3	160659966	0.64	0.98	rs2272219	T	G	0.58	0.32	0.3	0.35						AP-1,LUN-1		16 hits	17bp 5' of ARL14	6			
3	160660038	0.64	0.97	rs17314011	A	C	0.33	0.22	0.15	0.24						Mat,Rad21,Zbd3		17 hits	17bp 5' of ARL14	6			
3	160660855	0.64	0.98	rs1093207	G	A	0.59	0.32	0.31	0.35						5 altered motifs		14 hits	16bp 5' of ARL14	6			
3	160660860	0.64	0.98	rs1093208	A	T	0.59	0.32	0.31	0.35						HMG-Y,Mef2,Pou2l2		14 hits	16bp 5' of ARL14	No Data			
3	160661237	0.64	0.98	rs1093209	G	A	0.6	0.32	0.31	0.35						ERALPH_A		15 hits	16bp 5' of ARL14	4			
3	160662116	0.64	0.98	rs479909	T	C	0.72	0.33	0.3	0.35						ESDR		14 hits	16bp 5' of ARL14	6			
3	160662316	0.64	0.98	rs479909	T	C	0.62	0.32	0.3	0.35						7 altered motifs		16 hits	16bp 5' of ARL14	6			
3	160662373	0.64	0.96	rs13095931	G	T	0.62	0.32	0.3	0.34						Pou2l2		16 hits	16bp 5' of ARL14	6			
3	160662674	0.63	0.95	rs1730221	G	A	0.61	0.31	0.3	0.35						ESDR, BRN		16 hits	16bp 5' of ARL14	6			
3	160664285	0.65	0.98	rs1778373	G	A	0.57	0.32	0.3	0.35						ESDR, GL, CRVX		16 hits	16bp 5' of ARL14	6			
3	160664584	0.65	0.98	rs13090015	G	A	0.6	0.32	0.3	0.35						BLD, POL2, POL24H8		16 hits	16bp 5' of ARL14	4			
3	160664634	0.65	0.98	rs17130173	A	G	0.61	0.32	0.3	0.35						POL2, POL24H8, AIRP, Pax-6, Rbx11		16 hits	16bp 5' of ARL14	3a			
3	160664733	0.65	0.98	rs779581	C	A	0.59	0.32	0.3	0.35						BLD, POL2, POL24H8		16 hits	16bp 5' of ARL14	3a			
3	160664792	0.65	0.98	rs779581	C	A	0.47	0.31	0.3	0.35						ESDR, THYM, CRVX		16 hits	16bp 5' of ARL14	4			
3	160665184	0.65	0.98	rs2873907	T	G	0.61	0.32	0.3	0.35						Ahr,Amt,HIF-1,HIF1		14 hits	16bp 5' of ARL14	5			
3	160665764	0.65																					