

Table S3: Epistatic pairs with at least one shared GO gene and replicated in MICROS and CROATIAN

SNP ₁	chr ₁	gene ₁	SNP ₂	chr ₂	gene ₂	P _{pair}	P _{int}	MGC	population
rs3767511	1	CACNA1S	rs6449213	4	SLC2A9	10.93	3.95	1	MICROS
rs3767511	1	CACNA1S	rs1014290	4	SLC2A9	10.14	3.58	1	MICROS
rs4915215	1	CACNA1S	rs1014290	4	SLC2A9	15.93	3.51	23	CROATIAN
rs12566907	1	DPYD	rs733175	4	SLC2A9	8.34	3.93	4	MICROS
rs7548189	1	DPYD	rs737267	4	SLC2A9	12.09	3.28	5	MICROS
rs7548189	1	DPYD	rs13131257	4	SLC2A9	10.87	3.39	4	MICROS
rs10875051	1	DPYD	rs4505821	4	SLC2A9	7.21	3.97	4	CROATIAN
rs12041436	1	DPYD	rs4505821	4	SLC2A9	8.16	4.63	4	CROATIAN
rs4415625	1	DPYD	rs4505821	4	SLC2A9	8.08	4.5	4	CROATIAN
rs4415625	1	DPYD	rs6820230	4	SLC2A9	7.02	5.74	4	CROATIAN
rs827497	1	DPYD	rs10805346	4	SLC2A9	12.52	4.04	32	CROATIAN
rs7559750	2	DOCK10	rs6449213	4	SLC2A9	10.68	3.55	2	MICROS
rs6436516	2	DOCK10	rs6449213	4	SLC2A9	10.65	3.56	2	MICROS
rs921281	2	DOCK10	rs10805346	4	SLC2A9	12.35	3.38	64	CROATIAN
rs2303325	2	GALNT14	rs6449213	4	SLC2A9	10.59	3.51	1	MICROS
rs12621279	2	GALNT14	rs13131257	4	SLC2A9	13.94	3.55	13	CROATIAN
rs720755	2	LRP1B	rs737267	4	SLC2A9	12.05	3.56	7	MICROS
rs720755	2	LRP1B	rs13131257	4	SLC2A9	11.14	3.76	5	MICROS
rs1949871	2	LRP1B	rs1014290	4	SLC2A9	15.89	3.46	28	CROATIAN
rs1880620	2	LRP1B	rs1014290	4	SLC2A9	15.87	3.48	31	CROATIAN
rs10490229	2	NRXN1	rs737267	4	SLC2A9	12.41	3.98	4	MICROS
rs9750635	2	NRXN1	rs13131257	4	SLC2A9	14.05	3.58	4	CROATIAN
rs10185359	2	ZEB2	rs10805346	4	SLC2A9	8.92	3.3	8	MICROS
rs7564469	2	ZEB2	rs733175	4	SLC2A9	10.97	3.3	4	CROATIAN
rs2318154	3	EPHA6	rs13131257	4	SLC2A9	10.12	3.27	1	MICROS
rs1875281	3	EPHA6	rs10805346	4	SLC2A9	11.58	3.51	17	CROATIAN
rs17711589	3	ERC2	rs4447863	4	SLC2A9	7.13	4.51	19	MICROS
rs815470	3	ERC2	rs1014290	4	SLC2A9	16.89	3.63	4	CROATIAN
rs1524966	3	MAGI1	rs733175	4	SLC2A9	7.16	3.33	2	MICROS
rs1864509	3	MAGI1	rs733175	4	SLC2A9	7.56	3.82	9	MICROS
rs1430416	3	MAGI1	rs733175	4	SLC2A9	7.3	3.39	8	MICROS
rs6778911	3	MAGI1	rs13129697	4	SLC2A9	16.3	3.53	4	CROATIAN
rs737267	4	SLC2A9	rs10016365	4	ANK2	13.11	4.29	3	MICROS
rs733175	4	SLC2A9	rs1385662	4	ANK2	12.14	3.57	11	CROATIAN
rs10805346	4	SLC2A9	rs17013734	4	PHF17	8.98	3.72	8	MICROS
rs6449213	4	SLC2A9	rs11933240	4	PHF17	14.94	3.35	7	CROATIAN
rs13131257	4	SLC2A9	rs1501776	5	CTNND2	11.19	4.24	15	MICROS
rs13129697	4	SLC2A9	rs881675	5	CTNND2	16.6	3.38	7	CROATIAN
rs13129697	4	SLC2A9	rs26478	5	CTNND2	17.23	3.4	11	CROATIAN
rs1014290	4	SLC2A9	rs881675	5	CTNND2	17.03	4.44	4	CROATIAN
rs733175	4	SLC2A9	rs881675	5	CTNND2	11.52	3.81	4	CROATIAN
rs13129697	4	SLC2A9	rs7718587	5	PPP2R2B	10.89	3.55	9	MICROS
rs6449213	4	SLC2A9	rs974097	5	PPP2R2B	11.75	3.99	1	MICROS
rs6449213	4	SLC2A9	rs1663333	5	PPP2R2B	11.08	3.44	1	MICROS
rs13131257	4	SLC2A9	rs161039	5	PPP2R2B	14.19	3.41	6	CROATIAN
rs6449213	4	SLC2A9	rs161039	5	PPP2R2B	15.59	3.52	6	CROATIAN
rs1014290	4	SLC2A9	rs161039	5	PPP2R2B	17.26	4.46	11	CROATIAN

rs733175	4	SLC2A9	rs161039	5	PPP2R2B	12.72	4.76	8	CROATIAN
rs733175	4	SLC2A9	rs11748210	5	PPP2R2B	10.74	3.61	20	CROATIAN
rs733175	4	SLC2A9	rs1368379	5	PPP2R2B	12	3.89	1	CROATIAN
rs10805346	4	SLC2A9	rs4499954	6	ARHGAP18	9.15	3.34	12	MICROS
rs10805346	4	SLC2A9	rs9321174	6	ARHGAP18	11.87	3.74	53	CROATIAN
rs13129697	4	SLC2A9	rs1980450	6	LRRC16A	10.72	3.49	23	MICROS
rs6449213	4	SLC2A9	rs10498725	6	LRRC16A	11.32	3.29	1	MICROS
rs1014290	4	SLC2A9	rs7748771	6	LRRC16A	10.68	3.6	1	MICROS
rs1014290	4	SLC2A9	rs1980450	6	LRRC16A	11.01	4.48	8	MICROS
rs733175	4	SLC2A9	rs7748771	6	LRRC16A	7.45	3.32	1	MICROS
rs10805346	4	SLC2A9	rs441460	6	LRRC16A	11.86	3.52	71	CROATIAN
rs737267	4	SLC2A9	rs1105953	7	AUTS2	11.76	3.61	18	MICROS
rs10805346	4	SLC2A9	rs2293496	7	AUTS2	13.41	4.4	10	CROATIAN
rs13129697	4	SLC2A9	rs2293496	7	AUTS2	17.29	3.77	9	CROATIAN
rs13131257	4	SLC2A9	rs2237526	7	CACNA2D1	10.92	3.62	4	MICROS
rs1014290	4	SLC2A9	rs2237526	7	CACNA2D1	10.74	3.58	3	MICROS
rs733175	4	SLC2A9	rs2299178	7	CACNA2D1	7.25	3.27	3	MICROS
rs733175	4	SLC2A9	rs2237526	7	CACNA2D1	7.53	3.38	3	MICROS
rs10805346	4	SLC2A9	rs258684	7	CACNA2D1	11.87	3.41	71	CROATIAN
rs13131257	4	SLC2A9	rs7809670	7	CNTNAP2	11.89	3.3	1	MICROS
rs13129697	4	SLC2A9	rs2906300	7	CNTNAP2	17.28	3.9	25	CROATIAN
rs10805346	4	SLC2A9	rs160359	7	CREB5	9.12	3.93	2	MICROS
rs737267	4	SLC2A9	rs849322	7	CREB5	14.6	3.3	40	CROATIAN
rs10805346	4	SLC2A9	rs17134567	7	SDK1	8.77	3.4	26	MICROS
rs13129697	4	SLC2A9	rs4723454	7	SDK1	12.7	4.76	13	MICROS
rs13129697	4	SLC2A9	rs17134567	7	SDK1	10.83	3.29	10	MICROS
rs737267	4	SLC2A9	rs4723454	7	SDK1	13.18	4.28	8	MICROS
rs737267	4	SLC2A9	rs17134567	7	SDK1	12.41	3.99	7	MICROS
rs13131257	4	SLC2A9	rs17134567	7	SDK1	10.74	3.51	5	MICROS
rs13129697	4	SLC2A9	rs17330921	7	SDK1	17.22	3.96	9	CROATIAN
rs6449213	4	SLC2A9	rs6979125	7	THSD7A	10.41	3.45	1	MICROS
rs13131257	4	SLC2A9	rs6959645	7	THSD7A	17.7	3.59	20	CROATIAN
rs13131257	4	SLC2A9	rs7802386	7	ZNF804B	10.96	3.96	3	MICROS
rs10805346	4	SLC2A9	rs1990020	7	ZNF804B	11.67	3.4	26	CROATIAN
rs13131257	4	SLC2A9	rs1809437	8	CPA6	10.68	3.76	3	MICROS
rs4505821	4	SLC2A9	rs2128105	8	CPA6	7	3.78	9	CROATIAN
rs10805346	4	SLC2A9	rs2725043	8	CSMD1	10.03	4.32	28	MICROS
rs13129697	4	SLC2A9	rs11783144	8	CSMD1	11.44	3.71	8	MICROS
rs737267	4	SLC2A9	rs11783144	8	CSMD1	11.91	3.3	3	MICROS
rs10805346	4	SLC2A9	rs17066956	8	CSMD1	12.44	3.61	4	CROATIAN
rs13129697	4	SLC2A9	rs2623633	8	CSMD1	16.35	3.29	23	CROATIAN
rs737267	4	SLC2A9	rs11987743	8	CSMD1	15.55	3.35	20	CROATIAN
rs737267	4	SLC2A9	rs2623633	8	CSMD1	15.5	4.4	13	CROATIAN
rs6449213	4	SLC2A9	rs10095133	8	CSMD1	15.08	3.36	4	CROATIAN
rs1014290	4	SLC2A9	rs6993971	8	SAMD12	9.85	3.32	13	MICROS
rs733175	4	SLC2A9	rs6993971	8	SAMD12	8.42	4.8	8	MICROS
rs13129697	4	SLC2A9	rs2450206	8	SAMD12	17.06	3.98	9	CROATIAN
rs1014290	4	SLC2A9	rs2450206	8	SAMD12	15.99	3.61	5	CROATIAN
rs733175	4	SLC2A9	rs2450206	8	SAMD12	10.82	3.29	5	CROATIAN
rs6449213	4	SLC2A9	rs4465021	9	KDM4C	10.8	3.72	1	MICROS

rs737267	4	SLC2A9	rs17456897	9	KDM4C	14.37	3.3	5	CROATIAN
rs13131257	4	SLC2A9	rs668205	9	PTPRD	11.47	3.71	19	MICROS
rs1014290	4	SLC2A9	rs10491914	9	PTPRD	9.55	3.28	9	MICROS
rs1014290	4	SLC2A9	rs635580	9	PTPRD	15.79	3.33	9	CROATIAN
rs733175	4	SLC2A9	rs635580	9	PTPRD	11.29	3.69	4	CROATIAN
rs13129697	4	SLC2A9	rs4750440	10	FRMD4A	11.26	3.72	17	MICROS
rs733175	4	SLC2A9	rs2446581	10	FRMD4A	7.05	3.4	1	MICROS
rs737267	4	SLC2A9	rs1327000	10	FRMD4A	14.76	3.63	23	CROATIAN
rs733175	4	SLC2A9	rs10793040	11	ARAP1	7.1	3.37	5	MICROS
rs733175	4	SLC2A9	rs10793039	11	ARAP1	11.12	3.41	19	CROATIAN
rs2867394	4	SLC2A9	rs12281918	11	FLI1	7.62	6.02	2	MICROS
rs1107710	4	SLC2A9	rs12281918	11	FLI1	7.66	6.63	2	MICROS
rs737267	4	SLC2A9	rs12281918	11	FLI1	12.83	3.43	1	MICROS
rs13129697	4	SLC2A9	rs2284786	11	FLI1	17.82	3.34	34	CROATIAN
rs737267	4	SLC2A9	rs2284786	11	FLI1	15.68	3.43	24	CROATIAN
rs6449213	4	SLC2A9	rs7971370	12	GRIP1	10.98	3.35	1	MICROS
rs4505821	4	SLC2A9	rs4486703	12	GRIP1	7.92	3.6	15	CROATIAN
rs733175	4	SLC2A9	rs9556886	13	FARP1	7.08	3.44	5	MICROS
rs10805346	4	SLC2A9	rs2390038	13	FARP1	12.49	4.21	77	CROATIAN
rs13129697	4	SLC2A9	rs536863	13	FGF14	10.71	3.51	18	MICROS
rs737267	4	SLC2A9	rs4335654	13	FGF14	11.79	3.3	1	MICROS
rs13131257	4	SLC2A9	rs7491329	13	FGF14	11.07	4.13	1	MICROS
rs13129697	4	SLC2A9	rs649589	13	FGF14	18.08	4.89	7	CROATIAN
rs13129697	4	SLC2A9	rs784205	13	FGF14	18.07	4.88	7	CROATIAN
rs13129697	4	SLC2A9	rs1336703	13	FGF14	18.42	5.29	7	CROATIAN
rs13129697	4	SLC2A9	rs1415053	13	FGF14	16.3	3.38	9	CROATIAN
rs13129697	4	SLC2A9	rs7985526	13	FGF14	16.44	3.41	9	CROATIAN
rs13129697	4	SLC2A9	rs1928510	13	FGF14	16.61	3.56	9	CROATIAN
rs737267	4	SLC2A9	rs649589	13	FGF14	14.68	3.52	5	CROATIAN
rs737267	4	SLC2A9	rs784205	13	FGF14	14.66	3.51	5	CROATIAN
rs13131257	4	SLC2A9	rs649589	13	FGF14	14.48	4.08	4	CROATIAN
rs13131257	4	SLC2A9	rs784205	13	FGF14	14.46	4.08	4	CROATIAN
rs13131257	4	SLC2A9	rs1336714	13	FGF14	15.19	3.79	10	CROATIAN
rs6449213	4	SLC2A9	rs649589	13	FGF14	16.37	4.66	4	CROATIAN
rs6449213	4	SLC2A9	rs784205	13	FGF14	16.35	4.66	4	CROATIAN
rs1014290	4	SLC2A9	rs649589	13	FGF14	18.21	5.7	5	CROATIAN
rs1014290	4	SLC2A9	rs784205	13	FGF14	18.19	5.7	5	CROATIAN
rs1014290	4	SLC2A9	rs1336703	13	FGF14	16.64	4.19	6	CROATIAN
rs737267	4	SLC2A9	rs4085921	13	GPC6	11.66	3.58	10	MICROS
rs733175	4	SLC2A9	rs7321299	13	GPC6	7.3	3.33	9	MICROS
rs13129697	4	SLC2A9	rs10508009	13	GPC6	16.55	3.39	20	CROATIAN
rs737267	4	SLC2A9	rs1947078	13	GPC6	15.1	3.88	25	CROATIAN
rs737267	4	SLC2A9	rs7997642	13	GPC6	15.02	3.65	19	CROATIAN
rs737267	4	SLC2A9	rs4085921	13	GPC6	15.02	3.99	14	CROATIAN
rs737267	4	SLC2A9	rs10508009	13	GPC6	15.22	4.2	12	CROATIAN
rs737267	4	SLC2A9	rs9524163	13	GPC6	14.96	3.98	13	CROATIAN
rs737267	4	SLC2A9	rs4773754	13	GPC6	15.34	4.18	14	CROATIAN
rs737267	4	SLC2A9	rs9524175	13	GPC6	15.62	4.35	11	CROATIAN
rs733175	4	SLC2A9	rs1326132	13	MIPEP	7.26	3.36	2	MICROS
rs13131257	4	SLC2A9	rs1536299	13	MIPEP	14.25	3.56	7	CROATIAN

rs733175	4	SLC2A9	rs1861087	14	FBLN5	7.5	3.56	2	MICROS
rs13131257	4	SLC2A9	rs2246416	14	FBLN5	13.63	3.36	17	CROATIAN
rs733175	4	SLC2A9	rs7162000	15	SCG5	7.59	3.48	3	MICROS
rs10805346	4	SLC2A9	rs1406387	15	SCG5	11.96	3.44	60	CROATIAN
rs1014290	4	SLC2A9	rs3859084	16	CDH13	10.26	3.41	8	MICROS
rs13129697	4	SLC2A9	rs10514554	16	CDH13	17.31	3.72	1	CROATIAN
rs13129697	4	SLC2A9	rs4421965	16	CDH13	16.75	3.54	23	CROATIAN
rs737267	4	SLC2A9	rs10514554	16	CDH13	14.91	3.47	1	CROATIAN
rs13131257	4	SLC2A9	rs1870846	16	CDH13	13.64	3.81	1	CROATIAN
rs13131257	4	SLC2A9	rs10514554	16	CDH13	14.28	3.53	1	CROATIAN
rs13131257	4	SLC2A9	rs8055389	16	CDH13	14.48	3.87	2	CROATIAN
rs1014290	4	SLC2A9	rs7499717	16	CDH13	16.33	3.41	4	CROATIAN
rs13129697	4	SLC2A9	rs8059260	16	CLEC16A	10.75	3.28	1	MICROS
rs13129697	4	SLC2A9	rs2302558	16	CLEC16A	10.84	3.44	1	MICROS
rs13129697	4	SLC2A9	rs7197758	16	CLEC16A	11.01	3.28	1	MICROS
rs737267	4	SLC2A9	rs2302558	16	CLEC16A	11.66	3.44	1	MICROS
rs13131257	4	SLC2A9	rs2302558	16	CLEC16A	10.56	3.49	1	MICROS
rs6449213	4	SLC2A9	rs8059260	16	CLEC16A	11.17	3.83	1	MICROS
rs6449213	4	SLC2A9	rs2302558	16	CLEC16A	11.25	3.94	1	MICROS
rs6449213	4	SLC2A9	rs8055893	16	CLEC16A	10.95	3.61	1	MICROS
rs1014290	4	SLC2A9	rs8059260	16	CLEC16A	10.23	3.33	1	MICROS
rs1014290	4	SLC2A9	rs2302558	16	CLEC16A	10.44	3.57	1	MICROS
rs1014290	4	SLC2A9	rs8055893	16	CLEC16A	10.3	3.39	1	MICROS
rs1014290	4	SLC2A9	rs1003603	16	CLEC16A	10.84	4.27	16	MICROS
rs1014290	4	SLC2A9	rs3901386	16	CLEC16A	11.05	4.43	16	MICROS
rs1014290	4	SLC2A9	rs725613	16	CLEC16A	10.71	4.14	13	MICROS
rs1014290	4	SLC2A9	rs998592	16	CLEC16A	10.89	4.05	15	MICROS
rs733175	4	SLC2A9	rs1003603	16	CLEC16A	7.13	3.48	11	MICROS
rs733175	4	SLC2A9	rs3901386	16	CLEC16A	7.1	3.4	11	MICROS
rs733175	4	SLC2A9	rs725613	16	CLEC16A	7.87	4.25	10	MICROS
rs733175	4	SLC2A9	rs2041670	16	CLEC16A	7.5	3.57	9	MICROS
rs737267	4	SLC2A9	rs8059260	16	CLEC16A	15.11	3.83	4	CROATIAN
rs737267	4	SLC2A9	rs2302558	16	CLEC16A	14.99	3.96	3	CROATIAN
rs737267	4	SLC2A9	rs8055893	16	CLEC16A	14.32	3.45	2	CROATIAN
rs737267	4	SLC2A9	rs9940096	16	CLEC16A	15.14	4.2	2	CROATIAN
rs737267	4	SLC2A9	rs741176	16	CLEC16A	15.56	4.5	2	CROATIAN
rs13131257	4	SLC2A9	rs1347591	16	NUP93	11.1	4.26	7	MICROS
rs6449213	4	SLC2A9	rs1347591	16	NUP93	10.51	3.33	3	MICROS
rs4505821	4	SLC2A9	rs12149031	16	NUP93	7.2	3.46	3	CROATIAN
rs13129697	4	SLC2A9	rs10502421	18	C18orf1	12.18	3.52	1	MICROS
rs737267	4	SLC2A9	rs2042743	18	C18orf1	11.99	3.34	14	MICROS
rs6449213	4	SLC2A9	rs2042743	18	C18orf1	11.01	3.55	6	MICROS
rs1014290	4	SLC2A9	rs1540080	18	C18orf1	16.61	3.59	10	CROATIAN
rs1014290	4	SLC2A9	rs10775489	18	DYM	10.35	3.45	3	MICROS
rs1014290	4	SLC2A9	rs1838962	18	DYM	10.29	3.3	4	MICROS
rs1014290	4	SLC2A9	rs1893528	18	DYM	10.24	3.4	4	MICROS
rs1014290	4	SLC2A9	rs4939846	18	DYM	10.72	3.9	3	MICROS
rs1014290	4	SLC2A9	rs498929	18	DYM	10.39	3.78	4	MICROS
rs1014290	4	SLC2A9	rs478682	18	DYM	10.14	3.49	5	MICROS
rs733175	4	SLC2A9	rs1838962	18	DYM	7.73	3.65	2	MICROS

rs733175	4	SLC2A9	rs1893528	18	DYM	7.39	3.52	2	MICROS
rs733175	4	SLC2A9	rs4939846	18	DYM	7.47	3.61	2	MICROS
rs733175	4	SLC2A9	rs498929	18	DYM	7.73	4.04	3	MICROS
rs10805346	4	SLC2A9	rs9964222	18	DYM	11.51	3.34	3	CROATIAN
rs10805346	4	SLC2A9	rs16950548	18	DYM	11.54	3.34	3	CROATIAN
rs13129697	4	SLC2A9	rs355331	18	INO80C	10.75	3.37	11	MICROS
rs13129697	4	SLC2A9	rs355338	18	INO80C	10.77	3.45	11	MICROS
rs737267	4	SLC2A9	rs3786394	18	INO80C	15.19	4.04	1	CROATIAN
rs2867394	4	SLC2A9	rs1861906	18	WDR7	7.07	4.42	5	MICROS
rs13129697	4	SLC2A9	rs2278495	18	WDR7	10.95	3.38	1	MICROS
rs13129697	4	SLC2A9	rs1370215	18	WDR7	10.92	3.3	1	MICROS
rs733175	4	SLC2A9	rs9946253	18	WDR7	11.28	3.68	2	CROATIAN
rs733175	4	SLC2A9	rs1437073	18	WDR7	11.18	3.5	3	CROATIAN
rs733175	4	SLC2A9	rs2083020	18	WDR7	11.17	3.53	3	CROATIAN
rs1014290	4	SLC2A9	rs9976793	21	DSCAM	10.74	3.95	3	MICROS
rs1014290	4	SLC2A9	rs909185	21	DSCAM	10.39	3.69	4	MICROS
rs733175	4	SLC2A9	rs9976793	21	DSCAM	7.67	3.84	3	MICROS
rs733175	4	SLC2A9	rs909185	21	DSCAM	7.65	3.9	3	MICROS
rs10805346	4	SLC2A9	rs2837381	21	DSCAM	12.12	3.31	73	CROATIAN
rs733175	4	SLC2A9	rs2822636	21	HSPA13	7.48	3.57	2	MICROS
rs13129697	4	SLC2A9	rs2205254	21	HSPA13	16.52	3.52	7	CROATIAN
rs737267	4	SLC2A9	rs3747208	22	PARVG	11.18	3.37	1	MICROS
rs4447863	4	SLC2A9	rs139210	22	PARVG	7.18	4.15	33	CROATIAN
rs1014290	4	SLC2A9	rs713745	22	SEZ6L	10.26	3.53	7	MICROS
rs733175	4	SLC2A9	rs5761435	22	SEZ6L	7.36	3.47	4	MICROS
rs733175	4	SLC2A9	rs2073258	22	SEZ6L	8.6	4.98	3	MICROS
rs733175	4	SLC2A9	rs713745	22	SEZ6L	8.85	5.18	4	MICROS
rs733175	4	SLC2A9	rs137180	22	SEZ6L	10.09	6.58	4	MICROS
rs737267	4	SLC2A9	rs1941126	22	SEZ6L	14.43	3.74	21	CROATIAN
rs737267	4	SLC2A9	rs4822711	22	SEZ6L	14.83	3.82	21	CROATIAN

SNP₁ (SNP₂): the first (second) SNP name;

chr₁ (chr₂): the chromosome where SNP₁ (SNP₂) locates

gene₁ (gene₂): symbol of the gene annotated by SNP₁ (SNP₂);

P_{pair}: -log₁₀ P value of the whole pair test;

P_{int}: -log₁₀ P value of the interaction test;

MGC: count of number of individuals in the minor joint genotype class

Epistatic pairs replicated at the SNP level are highlighted in red

Epistatic pairs involving two shared genes are colored in orange