

Supplementary Table 3. Statistical power and sample size (at 80% power) calculations of 34 SNPs interacted by the *EDNRA* gene according to the interaction p-value ranking

Gene	Chr	SNP	BP	M/m	SNP by rs700651 (<i>BOLL</i>) interaction		
					InOR	Power	Sample size
<i>EDNRA</i>	4q31.22	rs6841581	148401190	A/G	NA	NA	NA
<i>RYK</i>	3q22.2	rs74585958	133773362	G/A	-19.91	0.885	224
<i>SAP18</i>	13q12.11	rs9509543	21692404	C/T	1.85	0.531	322
<i>SLC7A10</i>	19q13.11	rs11672303	33726375	T/C	2.16	0.789	253
<i>FTO</i>	16q12.2	rs9302654	54009545	C/T	-3.1	0.632	295
<i>SLFN11</i>	17q12	rs77814639	33678827	A/G	-18.5	0.342	386
<i>EIF4H</i>	7q11.23	rs150664966	73594157	T/C	20.91	0.805	249
<i>MPDZ</i>	9p23	rs1332064	12942764	T/C	1.75	0.632	294
<i>UNC13C</i>	15q21.3	rs4774715	55140204	C/T	-1.68	0.418	357
<i>CACUL1</i>	10q26.11	rs11198727	120767097	A/G	1.72	0.469	341
<i>TNIIK</i>	3q26.31	rs11925024	171014067	A/C	-2.71	0.602	303
<i>TNIIK</i>	3q26.31	rs1231	171031233	A/T	-2.86	0.563	313
<i>METTL4</i>	18p11.32	rs549315	2183055	G/A	0.59	0.003	1344
<i>PTCH1</i>	9q22.32	rs1105980	98113635	G/C	-0.6	0	4960
<i>MALL</i>	2q13	rs117802391	110862084	C/T	-1.58	0.083	587
<i>CXCR4</i>	2q22.1	rs189432614	136809235	A/G	1.02	0	3811
<i>LINC01344</i>	1q25.3	rs12033118	182229747	C/T	0.79	0	7191
<i>BOLL</i>	2q33.1	rs700651	198631714	A/G	-0.27	NA	NA
<i>LINC01978</i>	17q25.3	rs57851800	77896371	A/C	-0.29	0	7569
<i>PLEKHA1</i>	10q26.13	rs10510110	124192430	C/T	-0.26	0	7184
<i>PFKP</i>	10p15.2	rs58183624	3107217	C/T	0.56	0	17089
<i>LINC00457</i>	13q13.2	rs1536847	35106975	G/T	0.25	0	7912
<i>TRIM22</i>	11p15.4	rs7480654	5722839	T/C	-0.26	0	8049
<i>CDH13</i>	16q23.3	rs3848296	82550548	G/A	-0.31	0	5955
<i>FOXP1</i>	3p13	rs878118	71246228	T/G	0.25	0	8960
<i>LINC00879</i>	3q11.2	rs4411883	94549686	T/G	-0.37	0	10779
<i>RGPD4</i>	2q12.3	rs328025	108355045	G/A	-0.19	0	15894
<i>RUFY1</i>	5q35.3	rs4075890	178997373	T/C	-0.21	0	21563
<i>RGPD4</i>	2q12.3	rs700855	108368694	T/C	-0.18	0	15894
<i>CCDC3</i>	10p13	rs12412014	12911725	G/C	-0.14	0	17480
<i>RPRM</i>	2q23.3	rs5005908	154003680	G/T	-0.13	0	63782
<i>RBMS3</i>	3p24.1	rs1979271	29607405	T/A	0.13	0	57029
<i>RREB1</i>	6p24.3	rs9505086	7232186	T/C	0.06	0	64943
<i>DST</i>	6p12.1	rs117021265	56628021	T/C	0.16	0	121308
<i>C5orf60</i>	5q35.3	rs62405726	179069468	G/A	-0.02	0	>1000000
<i>EIF2B5</i>	3q27.1	rs4350902	184352200	T/C	-0.01	0	>1000000

Power indicates a statistical power. Sample size shows the number of cases reaching at a 80% statistical power. SNP : single-nucleotide polymorphism, Chr : chromosome, BP : base-pair position, M/m : major/minor allele type, InOR : natural log-transformed odds ratio, NA : not available