



Genome-wide association meta-analysis of 78,308 individuals identifies new loci and genes influencing human intelligence

Table 1 Genomic loci and lead SNPs associated with intelligence in the meta-analysis based on *n* = 78,308

rsID	Annotation	Locus <sup>a</sup>	Ref	Alt	RefF	<i>z</i>	<i>P</i> value	Direction <sup>b</sup>	<i>n</i>	<i>n</i> <sub>GWS</sub>
rs2490272	<i>FOXO3</i> intronic	6q21	T	C	0.63	7.44	9.96 × 10 <sup>-14</sup>	++++-+++	78,307	28
rs9320913	Intergenic	6q16.1	A	C	0.48	6.61	3.79 × 10 <sup>-11</sup>	++++-+++	78,307	13
rs10236197	<i>PDE1C</i> intronic	7p14.3	T	C	0.63	6.46	1.03 × 10 <sup>-10</sup>	++++-+++	78,286	35
rs2251499	Intergenic	13q33.2	T	C	0.26	6.31	2.74 × 10 <sup>-10</sup>	+++++++	78,307	22
rs36093924	<i>CYP2D7</i> ncRNA_intr	22q13.2	T	C	0.46	-6.31	2.87 × 10 <sup>-10</sup>	?--?????	54,119	100
rs7646501	Intergenic	3p24.2	A	G	0.74	6.02	1.79 × 10 <sup>-9</sup>	?++-++++	65,866	5
rs4728302	<i>EXOC4</i> intronic	7q33	T	C	0.60	-5.97	2.42 × 10 <sup>-9</sup>	---+---+	78,307	45
rs10191758	<i>ARHGAP15</i> intronic	2q22.3	A	G	0.61	-5.93	3.06 × 10 <sup>-9</sup>	?--?????	54,119	17
rs12744310	Intergenic	1p34.2	T	C	0.22	-5.88	4.20 × 10 <sup>-9</sup>	?-----	65,866	28
rs66495454	<i>NEGR1</i> upstream	1p31.1	G	GTCCT	0.62	-5.75	9.08 × 10 <sup>-9</sup>	?--?????	54,119	1
rs113315451	<i>CSE1L</i> intronic	20q13.13	A	ATTAT	0.43	5.71	1.15 × 10 <sup>-8</sup>	?++?????	54,119	1
rs12928404	<i>ATXN2L</i> intronic	16p11.2	T	C	0.59	5.71	1.15 × 10 <sup>-8</sup>	+++++++	78,307	19
rs41352752	<i>MEF2C</i> intronic	5q14.3	T	C	0.97	-5.68	1.35 × 10 <sup>-8</sup>	?--?????	54,119	1
rs13010010	<i>LINC01104</i> ncRNA_intr	2q11.2	T	C	0.38	5.65	1.56 × 10 <sup>-8</sup>	+++++++	78,308	11
rs16954078	<i>SKAP1</i> intronic	17q21.32	A	T	0.21	-5.55	2.84 × 10 <sup>-8</sup>	?-----	65,866	7
rs11138902	<i>APBA1</i> intronic	9q21.11	A	G	0.54	5.49	4.12 × 10 <sup>-8</sup>	++++-+++	78,307	1
rs6746731	<i>ZNF638</i> intronic	2p13.2	T	G	0.43	-5.46	4.88 × 10 <sup>-8</sup>	-----+	78,307	1
rs6779302	Intergenic	3p24.3	T	G	0.37	-5.45	4.99 × 10 <sup>-8</sup>	?--?????	54,119	1



# Origem do câncer

- 2/3 dos casos de câncer acontecem ao acaso.

