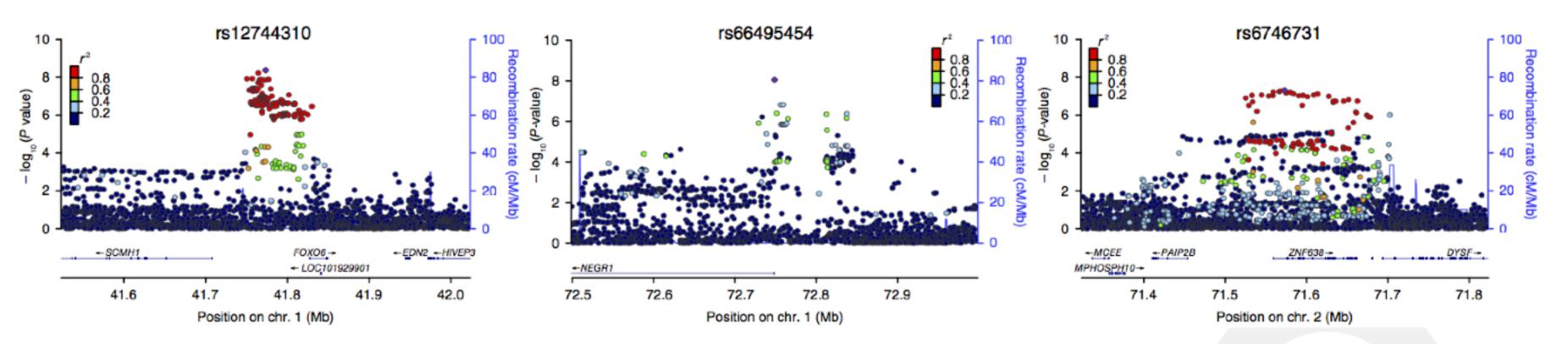


nature genetics



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

human intelligence

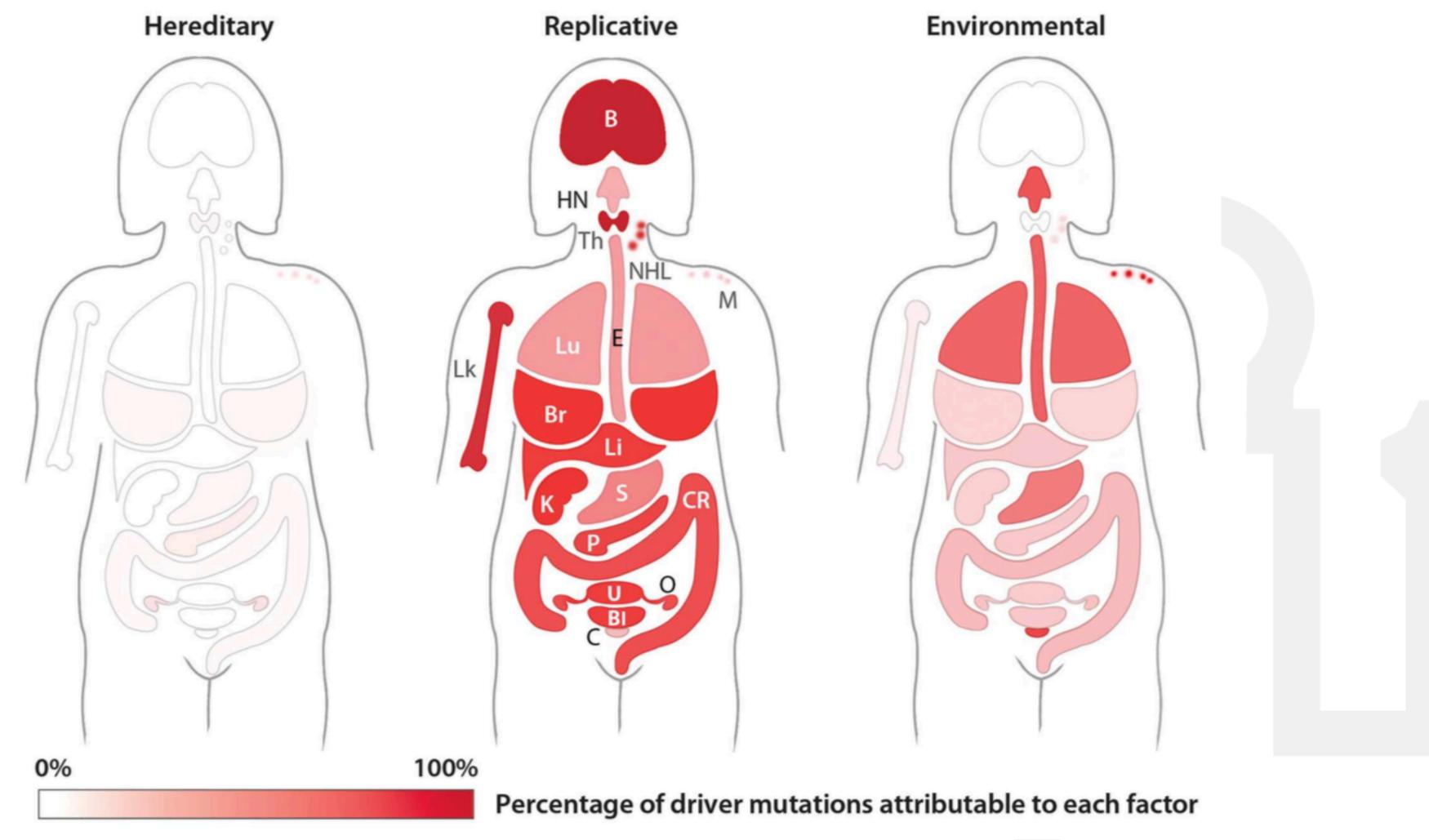
Table 1 Genomic loci and lead SNPs associated with intelligence in the meta-analysis based on n = 78,308

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

Origem do câncer



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



Tomasetti et al., Science 355, 1330–1334 (2017)