

Principios generales de ética en el uso de tests genéticos

Gene	Name	Present SNPs ³ with scientific evidence (risk allele)	Related metabolic function or disease	Laboratories/company
LDLR	Low-density lipoprotein receptor	rs688 (T); rs5925 (C)	Hypercholesterolemia ¹⁷	Athena Diagnostics; 23ANDME; EUGENOMIC; GENETAQ
LEP	Leptin	NA	Regulation of body weight by inhibiting food intake and stimulating energy expenditure ¹⁸	CAGT; GENYCA; GENYSALUD; SISTGENOMICOS; 23ANDME; BCM
LEPR	Leptin receptor	rs1137101 (G)	Appetite control; early-onset obesity ¹⁹	Athena Diagnostics; Correlagen; 23ANDME; BCM; GENYSALUD
MC4R	Melanocortin 4 receptor	rs17782313 (C); rs10871777 (G); rs2229616 (A); rs12970134 (A)	Food intake and body-weight balance ^{13,20}	CAGT; CINFA; CIRCAGEN; GENYCA; LABGENETICS; SISTGENOMICOS; Athena Diagnostics; Johns Hopkins Medicine; Correlagen; 23ANDME; DECODEME; CGC
MTHFR	5,10-methylenetetrahydrofolate reductase	rs1801133 (T)	Hypertension ²¹	Johns Hopkins Medicine; ARUP Lab.; BCM; CINFA; GENYSALUD; SECUGEN; EGGP
NPY	Neuropeptide Y	rs16139 (G)	Energy homeostasis, appetite control ²²	EUGENOMIC; EGGP; GENYSALUD
POMC	Proopiomelanocortin	rs6713532 (C)	Energy balance and food intake regulation ²³	CAGT; GENYCA; 23ANDME; BCM
PPAR γ	Peroxisome proliferator-activated receptor- γ	rs1801282 (G)	Metabolic syndrome, type 2 diabetes ¹³	EUGENOMIC; CAGT; CINFA; GENYCA; GENYSALUD; 23ANDME; DECODEME; INHERENT HEALTH
SH2B	Sh2b adaptor protein	rs7498665 (G)	Obesity and type 2 diabetes ²⁴	EUGENOMIC; DECODEME
UCP2	Uncoupling protein 2	rs659366 (T)	Energy efficiency ²⁵	GENYSALUD; 23ANDME

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ABCC8	ATP ^b -binding cassette, subfamily C, member 8	NA ^c	Familial hypoglycemia ⁸	LABGENETIC; Athena Diagnostics; Correlagen
ADRB2	β -2 adrenergic receptor	rs1042713 (A); rs1042714 (G)	Obesity, ⁹ type 2 diabetes, and asthma	ARUP Lab.; 23ANDME; INHERENT HEALTH; CGC; EUGENOMIC; EGGP
ADRB3	β -3 adrenergic receptor	rs4994 (C)	Susceptibility to obesity ¹⁰	23ANDME; INHERENT HEALTH; EUGENOMIC; GENYSALUD; EGGP
APOA5	Apolipoprotein A V	rs662799 (G); rs2266788 (C); rs651821 (C); rs3135506 (C); rs2075291 (T); rs619054 (T)	Lipid metabolism ¹¹ (elevated triglycerides)	23ANDME; CINFA; CGC; CAGT; GENYCA; SECUGEN
APOB	Apolipoprotein B	rs5742904 (A)	Lipid metabolism ¹¹ (elevated low-density lipoprotein cholesterol)	Athena Diagnostics; Johns Hopkins Medicine; 23ANDME; CINFA; EUGENOMIC; GENETAQ; GENYSALUD; LABGENETIC
FTO	Body fat mass and obesity	rs9939609 (A); rs3751812 (T)	High body mass index and common obesity ^{12,13}	EUGENOMIC; CAGT; CINFA; 23ANDME; DECODEME
GCK	Glucokinase	rs4607517 (A)	Diabetes ¹⁴	CINFA; GENETAQ; INNOVAGENOMIC; LABGENETIC; SISTGENOMICOS; Athena Diagnostics; Correlagen; DECODEME
HNF1A/ TCF1	HNF1 homeobox A; Transcription factor 1	NA	Diabetes ¹⁵	GENETAQ; INNOVAGENOMIC; LABGENETIC; SISTGENOMICOS; Athena Diagnostics; Correlagen
HNF1B/ TCF2	HNF1 homeobox B; Hepatocellular 1	rs4430796 (A)	Diabetes ¹⁵	GENETAQ; Athena Diagnostics; Correlagen; DECODEME

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