

Mitonuclear association SNPs found in the analyzes performed, with values Z greater than 0.05. (Hypothesis similar distribution nDNA and mtDNA SNPs)

GEN	POSITION	SNP	CROMOSOME	FAMILY	TYPE	HAP MITONUCLEAR	INFO SEQUENCE IN THE GENOME
COL24A1	86355212	rs76666601	1	3	SN	2	en exón1n – exón 32 y 33
COL24A1	86376344	rs2062760	1	3	SN	2	en exón1n – exón 25 y 26
COL24A1	86416023	rs12564528	1	3	SN	2	en exón1n – exón 24 y 25
COL24A1	86417406	rs17128521	1	3	SN	3	en exón1n – exón 24 y 25
COL24A1	86427353	rs78191858	1	3	SN	4	en exón1n – exón 23 y 24
COL24A1	86453783	rs14853221 38	1	3	S	3	en exón1n – exón 19 y 20 mas cerca del 20
COL24A1	86606565	rs1507283	1	3	SN	38	exón1n – exón 2 y 3
COL24A1	86610241	rs72716194	1	3	SN	38	exón1n – exón 2 y 3
COL24A1	86611702	rs2892908	1	3	SN	38	exón1n – exón 2 y 3
COL24A1	86617858	rs11161757	1	3	SN	38	exón1n – exón 1 y 2
COL24A1	86617885	rs11161758	1	3	SN	38	exón1n – exón 1 y 2
COL24A1	86620057	rs1507276	1	3	SN	38	exón1n – exón 1 y 2
EPAS1	46577644	rs10187368	2	10	SN	30	en exón1n exón 2 y 3 https://pubmed.ncbi.nlm.nih.gov/25792003/
PPARGC1A	23783890	rs76033337	4	18	SN	51	Downstream del gen del exón 13
PPARGC1A	24142612	rs1705089	4	18	SN	25	upstream del gen exón 1
PPARGC1A	24168726	rs12508318	4	18	SN	24	upstream del gen exón 1
PPARGC1A	24175412	rs61796369	4	18	SN	26	upstream del gen exón 1
PPARGC1A	24178227	rs16875239	4	18	SN	3	upstream del gen exón 1
PPARGC1A	24330577	rs61793465	4	18	SN	48	upstream del gen exón 1
PPARGC1A	24330727	rs13833816 17	4	18	SN	48	upstream del gen exón 1
PPARGC1A	24420890	rs73109295	4	18	SS	49	upstream exón 1
PPARGC1A	24449051	rs7671255	4	18	SN	47	upstream exón 1
PPARGC1A	24455745	rs74519027	4	18	SN	47	upstream exón 1
PPP3CA	10195318 2	rs1880942	4	20	SN	45	exón1n – exón 12 y 13 cerca del exón 12
TENM2 UNO	16698244 3	rs76253020 5	5	22	SN	29	upstream exón 1 deleccion
TENM2 UNO	16716129 4	rs75436596	5	22	SN	38	upstream exón 1
TENM2 UNO	16717216 9	rs12516791	5	22	SN	27	upstream exón 1

TENM2 UNO	16721519 8	rs719254	5	22	SN	47	exón2n – exón 1 y 2
TENM2 UNO	16724028 1	rs80259396	5	22	SN	47	exón2n – exón 1 y 2
TENM2 DOS	16734212 7	rs10866616	5	22	SN	46	exón2n – exón 1 y 2
TENM2 DOS	16751067 4	rs53973815 4	5	22	SN	31	exón2n – exón 4 y 5 insercion
TENM2 DOS	16752439 5	rs4976569	5	22	SN	2	exón2n – exón 5 y 6
TENM2 DOS	16753648 5	rs2337119	5	22	SN	30	exón2n – exón 6 y 7
TENM2 DOS	16754146 4	rs2617971	5	22	SN	4	exón2n – exón 6 y 7
TENM2 DOS	16756670 7	rs4976536	5	22	SN	31	exón2n – exón 9 y 10
TENM2 UNO	16725071 3	rs14317565 4	5	22	SN	48	exón2n – exón 1 y 2
rs35644531	9469884	rs14992201 9	6	11	S	51	downstream LOC100506207
rs35644531	9521694	rs9463308	6	11	SN	26	downstream de OFCC1 fuera del gen orofacial cleft 1 candidate 1
rs35644531	9545130	rs10948513	6	11	SN	4	downstream de OFCC1 fuera del gen orofacial cleft 1 candidate 1
rs35644531	9550920	rs2327176	6	11	SN	3	downstream LOC100506207
DLC1	13055028	rs56854534	8	30	SN	31	upstream del exón 1 dentro del gen
DLC1	13279375	rs1454958	8	30	SS	38	upstream exón 1
DLC1	13306102	rs75893026	8	30	SN	38	upstream exón 1
DLC1	13306198	rs72603969	8	30	SN	38	upstream exón 1
DLC1	13310911	rs54185843 6	8	30	SN	25	upstream del exón 1 dentro del gen
DLC1	13320009	rs11226465 6	8	30	SN	38	upstream exón 1
DLC1	13320741	rs72603971	8	30	SN	38	upstream exón 1
DLC1	13362545	rs966970	8	30	SN	30	upstream del exón 1 dentro del gen
DLC1	13368349	rs73210007	8	30	SN	3	upstream del exón 1 dentro del gen
DLC1	13384197	rs14531775 8	8	30	SN	31	upstream del exón 1 dentro del gen

ADRB3	37821486	rs4998	8	31	SN	40	esta en el exon 2 (3 Prime UTR Variant) https://pubmed.ncbi.nlm.nih.gov/25368670/ miR-593-5p, miR-885-3p BMI-energy intake; Δ fat mass-physical activity; Δ lean mass-physical activity; obesity-physical activity; triglyceridelow-calorie diet
COL5A1	13753257 2	rs79700110	9	3	SN	51	upstream exón 1 fuera del gen
COL5A1	13753793 8	rs75997918	9	3	SN	50	exón3n – exón 1 y 2
COL5A1	13753793 9	rs76101913	9	3	SN	50	exón3n – exón 1 y 2
COL5A1	13754246 3	rs12005599	9	3	SN	45	exón3n – exón 1 y 2 cae en el exón3n3 COL5A1 antisense RNA 1
rs1692120	61531443	rs10792318	11	11	SN	4	exón3n – exón 1 y 2 gen MYRF
rs1692120	61531991	rs55903902	11	11	SN	4	exón3n – exón 1 y 2 gen MYRF https://pubmed.ncbi.nlm.nih.gov/23494448/
BCAT1	24988229	rs16928097	12	42	SS	46	intron – Exon 8 y 9; BCAT1 : Intron Variant ; LOC105369699 : Non Coding Transcript Variant
BCAT1	25041904	rs11047689	12	42	SN	43	exón3n – exón 3 y 4
ANKS1B PARTE 1	99166260	rs15090197 8	12	15	SN	47	exón3n – exón 8 y 9
ANKS1B PARTE 1	99312314	rs12368438	12	15	SN	4	exón3n – exón 3 y 4
ANKS1B PARTE 1	99325731	rs12371333	12	15	SN	31	exón3n – exón 3 y 4
ANKS1B PARTE 1	99330388	rs2045686	12	15	SN	4	exón3n – exón 3 y 4
ANKS1B PARTE 1	99332599	rs12313609	12	15	SN	31	exón3n – exón 3 y 4
ANKS1B PARTE 1	99345061	rs4762529	12	15	SN	3	exón3n – exón 3 y 4
ANKS1B PARTE 1	99413744	rs73386511	12	15	SS	51	exón3n – exón 3 y 4
ANKS1B PARTE 1	99475039	rs59488985 uno mas	12	15	SN	49	exón3n – exón 2 y 3

ANKS1B PARTE 1	99498135	rs57538743	12	15	SN	51	exón4n – exón 2 y 3 paralelo al LOC101928937
ANKS1B PARTE 1	99507730	rs17029077	12	15	SN	49	exón4n – exón 1 y 2
ANKS1B PARTE 1	99840804	rs60319364	12	15	SN	47	upstream exón 1 dentro gen
ANKS1B PARTE 1	99841282	rs7968525	12	15	SN	50	upstream exón 1 dentro gen
ANKS1B PARTE 1	99890776	rs17386299	12	15	SN	43	upstream exón 1 dentro gen
ANKS1B PARTE 1	99900572	rs7313882	12	15	SN	38	upstream exón 1 dentro gen
ANKS1B PARTE 1	99902933	rs10128891	12	15	SN	38	upstream exón 1 dentro gen
ANKS1B PARTE 1	99915511	rs1858380	12	15	SN	38	upstream exón 1 dentro gen
ANKS1B PARTE 1	99998972	rs74433846	12	15	SN	52	upstream exón 1 en el gen
ANKS1B PARTE 2	10001708 9	rs11251871 2 uno mas	12	15	SN	52	upstream exón 1 dentro gen
ANKS1B PARTE 2	10004883 9	rs11109976	12	15	SN	3	upstream exón 1 en el gen
ANKS1B PARTE 2	10005142 3	rs19997647 6	12	15	SN	3	upstream exón 1 en el gen
ANKS1B PARTE 2	10006986 4	rs12423008	12	15	SN	2	upstream exón 1 en el gen
ANKS1B PARTE 2	10018721 6	rs11110043	12	15	SN	42	upstream exón 1 dentro gen
ANKS1B PARTE 2	10018884 5	rs11110044	12	15	SN	42	upstream exón 1 dentro gen
ANKS1B PARTE 2	10019455 0	rs7971284	12	15	SN	42	upstream exón 1 dentro gen
FLT1	29003001	rs17551435	13	19	SS	50	exón4n – exón 8 y 9
FLT1	29014877	rs14161054 5	13	19	SS	47	exón4n – exón 3 y 4
FLT1	29034937	rs11618838	13	19	SN	47	exón4n – exón 3 y 4
FLT1	29040660	rs17086708	13	19	SS	47	exón4n – exón 3 y 4
FLT1	29057469	rs4768977	13	19	SS	47	exón4n – exón 1 y2
FLT1	28915934	rs14385655 3	13	19	S	46	exón4n – exón 16 y 17
FLT1	28954725	rs13986775 9	13	19	SS	40	exón4n – exón 14 y 15
MRPP3	35633163	rs11844257	14	28	SN	28	exón4n – exón 4 y 5 PRORP : Intron Variant

MRPP3	35640917	rs2415272	14	28	SN	28	exón5n – exón 4 y 5 PRORP : Intron Variant
MRPP3	35645476	rs19100637 1	14	28	SS	28	exón5n – exón 4 y 5 PRORP : Intron Variant
MRPP3	35655604	rs4981271	14	28	SN	28	exón5n – exón 5 y 6 PRORP : Intron Variant
MRPP3	35655610	rs4982245	14	28	SN	28	exón5n – exón 5 y 6 PRORP : Intron Variant
MRPP3	35658082	rs11350550 4	14	28	SS	28	exón5n – exón 5 y 6 PRORP : Intron Variant
MRPP3	35674157	rs73236968	14	28	SN	29	exón5n – exón 5 y 6 PRORP : Intron Variant
MRPP3	35683208	rs73236983	14	28	SS	29	exón5n – exón 5 y 6 PRORP : Intron Variant
MRPP3	35705327	rs11846194	14	28	SN	29	exón5n – exón 5 y 6 PRORP : Intron Variant
rs1372635	95965127	rs11313330 3	15	11	SN	51	upstream LINC00924
rs1372635	96046556	rs16975275	15	11	SN	25	exón5n – exón 6 y 7 LINC00924
rs1372635	96156368	rs4321143	15	11	SN	50	down stream fuera del gen LINC00924
rs1372635	96220212	rs55832426 uno mas	15	11	SN	28	Downstream of LINC00924
rs1372635	96226126	rs12438895	15	11	SN	27	Downstream of LINC00924
rs1372635	96230394	rs72764079	15	11	SN	4	Downstream of LINC00924
rs1372635	96236915	rs71396825	15	11	SN	121	upstream RNU2-3P
DSCAM	41408557	rs20142484 4	21	15	SN	4	exón5n – exón 32 y 33
DSCAM	41755409	rs2837596	21	15	SN	24	exón5n – exón 3 y 4 dentro de DSCAM-AS1 Non Coding Transcript Variant
DSCAM	41769653	rs62223835	21	15	SN	26	exón5n – exón 3 y 4
DSCAM	42119053	rs57235365 uno mas	21	15	SN	4	exón5n – exón 1 y 2
DSCAM	42150345	rs13047434	21	15	SN	2	exón5n - exon 1 y 2
DSCAM	42191539	rs57292936	21	15	SN	45	intron - exon 1 y 2
DSCAM	42222822	rs75566584	21	15	SN	50	upstream exon 1 fuera gen