

ANALYTICAL REPORT Nr.: 16/000132

Petitioner: Babirus
 Address: Al-Barshaa South Arjan - PO. Box 391842 - Dubai (Emiratos)
 Centre: Babirus
 Sample ID (customer): 70006678
 Sample ID (Laboratory): N0006/16

Sample type: Saliva
 Sample collection date: 06/01/2016
 Sample reception date: 11/01/2016
 Report date: 14/01/2016
 Analysis type: Nutri inCode®
 Procedures: PA01 PA07

ANALYSIS RESULTS

| GENE | POLYMORPHISM | GENOTYPE | | GENE | POLYMORPHISM | GENOTYPE | |
|--------|------------------|----------|--------|--------|-----------------|----------|--------|
| | | WT | RESULT | | | WT | RESULT |
| ACE | rs4343 | AA | GG | GNB3 | rs5443 | CC | TT |
| ACSL5 | rs2419621 | CC | CC | IGF2 | rs680 | GG | AG |
| ADIPOQ | rs16861209 | CC | CC | IL1B | rs1143634 | CC | TC |
| ADIPOQ | rs2241766 | TT | TT | IL1B | rs1143643 | GG | GG |
| ADIPOQ | rs6810075 | TT | TT | IL6 | rs1800795 | CC | GG |
| ADRB3 | rs4994 | TT | TT | INSIG2 | rs7566605 | GG | CG |
| AGRP | 1;rs5030980 | CC | CC | LEP | rs11770725 | CC | TC |
| AGT | rs4762 | CC | TC | LEP | rs12535708 | CC | -- |
| AGT | rs699 | TT | TC | LEPR | rs1137100 | AA | AA |
| AGTR1 | rs5186 | AA | AC | LIPC | rs1800588 | CC | CC |
| APOA2 | rs5082 | TT | TT | LIPC | rs2070895 | GG | GG |
| APOA5 | rs2072560 | CC | CC | LPL | rs1801177 | GG | GG |
| APOA5 | rs651821 | TT | TT | LPL | rs268* | AA | AA |
| APOB | rs1042034 | AA | AG | LPL | rs320 | TT | TT |
| APOB | rs1367117 | GG | GG | LPL | rs328 | CC | CC |
| APOB | rs693 | CC | TC | LRP5 | rs4988321 | GG | GG |
| APOC3 | CD010; rs2854117 | GG | AG | MBTPS2 | rs3213451 | AA | AA |
| APOE | rs7412 | CC | CC | MC4R | rs12970134 | GG | AG |
| BDNF | rs6265 | GG | GG | MC4R | rs17700633 | GG | GG |
| BDNFOS | rs925946 | GG | GG | MC4R | rs17782313 | TT | TC |
| CCDC93 | rs10490628 | GG | GG | MC4R | rs2229616 | GG | GG |
| CCDC93 | rs3771942 | GG | CG | MC4R | rs52820871 | TT | TT |
| CDKAL1 | rs7754840 | GG | GG | MTCH2 | rs10838738 | AA | AA |
| CDKN2B | rs10811661 | TT | CC | MTHFR | rs1801133 | CC | CC |
| CETP | rs1800777 | GG | GG | NCP1 | rs1805081 | AA | AA |
| CETP | rs708272 | CC | TT | NEGR1 | rs2568958 | AA | AA |
| Chr.2 | rs713586 | TT | TT | OPG | rs6469804 | AA | AA |
| Chr.4 | rs6824447 | AA | AA | OPG | rs6993813 | TT | CC |
| Chr.8 | rs9693898 | AA | AA | PCSK1 | rs6234 | CC | GC |
| CLOCK | rs4580704 | CC | CC | PCSK1 | rs6235 | GG | CG |
| CLOCK | rs4864548 | GG | AG | PLIN | rs1052700 | TT | TA |
| CNR1 | rs6454674 | TT | GG | PLIN1 | rs894160 | GG | GG |
| COLIA1 | rs1107946 | CC | CC | PON1 | CD014; rs854560 | AA | AT |
| ESR1 | rs10484922 | CC | CC | PPARA | rs1800206 | CC | CC |
| ESR1 | rs3778099 | TT | TT | PPARG | rs1801282 | CC | CC |
| ESR1 | rs3853250 | AA | CC | PPARG | rs2938392 | CC | TC |
| ESR1 | rs851982 | TT | TT | PPARG | rs3856806 | CC | CC |
| ESR1 | rs9322331 | CC | TT | PSRC1 | rs602633 | CC | CC |
| FTO | rs1421085 | TT | CC | RANKL | rs9594759 | CC | TC |
| FTO | rs9939609 | TT | AA | SIRT1 | rs12413112 | GG | AG |
| GHRL | rs696217 | GG | GG | SIRT1 | rs7069102 | GG | GC |

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| GENE | POLYMORPHISM | GENOTYPE | |
|--------|--------------|----------|--------|
| | | WT | RESULT |
| TCF7L2 | rs7903146 | CC | TC |
| TMEM18 | rs2867125 | GG | AG |
| UCP1 | rs45539933 | CC | CC |

| GENE | POLYMORPHISM | GENOTYPE | |
|------|--------------|----------|--------|
| | | WT | RESULT |
| UCP2 | rs659366 | CC | CC |
| UCP3 | rs1800849 | CC | TC |
| WFS1 | rs10010131 | GG | GG |

OBSERVATIONS

- Sample has been collected by petitioner.
- WT (wild type): Predominant genotype in the Caucasian population for a certain SNP, according to dbSNP reference database.
- Nutri inCode® has been designed to detect 88 polymorphisms associated to obesity risk and related illnesses that are listed on the results table.
- The SNP marked with * has only been validated for the detection of the major allele.
- Genetic variants not listed on the table that might affect the risk of obesity and related illnesses are not within the scope of this assay.
- The analyses of the polymorphisms included in the table has an average specificity of 99,96% and an average sensitivity of 99,91%.
- DNA sample concentration obtained was below laboratory requirements. At the request of the customer the analysis is performed and results obtained showed valid genotyping.


Analysis performed by

Laboratorio de análisis Genético de Gendiag.exe, S.L. (Gendiag.lab)

C/ Joan XXIII, 10
 08950 Esplugues de Llobregat
 Barcelona

Date: 14/01/2016

Signature:



Oriol Casagran de la Cruz
Laboratory Manager
Laboratorio Gendiag.exe, S.L.

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Gendiag.exe, S.L. is accredited by ENAC (accreditation Nr. 1086/LE2134) according to UNE-EN ISO 15189:2013 for the performance of this analysis.