

## Analysis Report

**Report date:** 10/04/2019      **Time:** 10:26

### Laboratory/ Physician/ Professional details

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**Physician/Lab:** Doctor John Smith

**City:**

### Patient details

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<b>Surname:</b>	JONES	<b>Name:</b>	ROSE
<b>Date of Birth:</b>	07/05/1985	<b>Place of Birth:</b>	
<b>Ethnicity:</b>	N.A.	<b>Gender:</b>	F
		<b>Sample ID:</b>	

**Physician:** Doctor Sarah Brown

**Indication:**

**Medical**

**History:**

### Sample details:

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**Sample Type:** Buccal swab      **Our Sample ID:**

**Sample acceptance date:** 15/03/2019      **Sample acceptance time:** 16:49      **Collection date:** 14/03/2019

### Test Date:

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**Test Performed:** Nutrinext Health and Wellness Complete

**Analysis method:** NGS

**Diagnostic strategy:**

**Sample processing date:** 08/04/2019      **Analysis completion date:** 09/04/2019

## Results and Interpretation

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### Results:

HOMOCYSTEINE METABOLISM  
CBS C699T C-T rs234706: TT  
CBS T1080C T-C rs1801181: CC  
MTHFR C677T C-T rs1801133: CT  
MTHFR A1298C A-C rs1801131: AA  
MTR A2756G A-G rs1805087: AA  
MTRR A66G A-G rs1801394: AG  
TCN2 776 C-G rs1801198: CC

INFLAMMATORY  
RESPONSE  
AACT -51 G-T rs1884082: GG  
CRP 3872 G-A rs1205: GA  
IL-1B -511 C-T rs16944: CT  
IL-1B c.81 C-T rs1143634: CC  
IL-6 -572 G-C rs1800796: GG  
IL-6 -174 G-C rs1800795: GG  
IL-10 -1082 G-A rs1800896: AA  
IL1RN c.69 T-C rs419598: TC  
IL6R D358A A-C rs2228145: AA  
IFNG +874 A-T rs2430561: AT  
TNFa -308 G-A rs1800629: GG

CARDIOVASCULAR HEALTH AND LIPID METABOLISM  
ACE Ins/Del rs4340: I/D  
ADIPOq -11391 G-A rs17300539: GG  
ADRA2B Ins/Del cod.299: I/D  
ADRB1 G389R G-C rs1801253: CC  
ADRB2 G16R G-A rs1042713: AA  
ADRB2 Q27E C-G rs1042714: CC  
ADRB3 W64R T-C rs4994: TT  
AGT M235T T-C rs699: TC  
AGTR1 A1166C A-C rs5186: AA  
Apo B R3500Q G-A rs5742904: GG  
APO E: E3/E3  
APOA1 -75 G-A rs670: GA  
APOA2 -265 C-T rs5082: TT  
APOC3 C3175G C-G rs5128: CC  
FGB C148T C-T rs1800787: CC  
CETP G279A G-A rs708272: GA  
CETP G1353A G-A rs1800777: GG  
E-Selectin Ser128Arg A-C rs5361: AA  
EDN1 Lys198Asn G-T rs5370: GT  
FABP2 A54T G-A rs1799883: GG  
Factor V R506Q G-A rs6025: GG  
FTO T-A rs9939609: TA  
FTO C-A rs8050136: CA  
FTO C-T rs1121980: CT  
FTO T-C rs1421085: TC  
FTO T-G rs17817449: TG

GHSR G477A G-A rs572169: GA  
GJA4 (CX37) Pro319Ser C-T rs1764391: CT  
HMGCR -911 C-A rs3761740: CA  
Leptin -2548 G-A rs7799039: GA  
LIPC -514 C-T rs1800588: CT  
LPA A-G rs10455872: AG  
LPL C1595G C-G rs328: CC  
MC4R g.60183864 T-C rs17782313: TC  
MMP3 1171 5A-6A rs35068180: 6A/6A  
MTNR1B g.92975544 C-G rs10830963: CG  
NOS3 -786 T-C rs2070744: TC  
NOS3 Glu298Asp G-T rs1799983: GG  
NOX p22 PHOX (CYBA) C242T T-C rs4673: CC  
NPY L7P T-C rs16139: TT  
PON1 Gln192Arg A-G rs662: AA  
PPARA L162V G-C rs4253778: GG  
PPARG P12A C-G rs1801282: CC  
PPARGC1A G482S G-A rs8192678: GG  
PROCR Ser219Gly A-G rs867186: AA  
SREBF2 Gly595Ala G-C rs2228314: GC  
TCF7L2 c.382-41435 C-T rs7903146: CC  
VEGF c.-1507 C-G rs2010963: GG  
VEGF -2578 C-A rs699947: AA

#### BONE HEALTH

COL12A1 Gly3058Ser G-A rs970547: AA  
COL27A1 g.117049891 T-G rs946053: TT  
COL5A1 c.267 C-T rs12722: CT  
COL6A4P1 g.15216429 C-T rs7639618: CC  
COL1A1 c.104-441 G-T rs1800012: GT  
CTR Pro463Leu C-T rs1801197: TT  
ESR1 PvuII (IVS1-397) C-T rs2234693: CT  
ESR1 XbaI (IVS1-351) A-G rs9340799: AG  
ESR2 39 A-G rs4986938: AG  
GDF5 +104 C-T rs143383: CC  
IGF2 G17200A G-A rs680: GA  
IGF2 C18790G C-G rs3213221: CG  
IGF2As G11711T G-T rs7924316: GT  
IGFBP-3 -C1592A C-A rs2132570: CA  
LRP5 Ala1330Val C-T rs3736228: CT  
MBL2 g.797 C-A rs45602536: CC  
MCT1 A1470T A-T rs1049434: AT  
MMP1 -1607 G-2G rs1799750: 2G/2G  
MMP10 g.102779693 C-T rs486055: CC  
MMP12 g.102875061 A-G rs2276109: AA  
MMP3 g.102842889 A-G rs679620: GG  
MMP3 g.102840607 T-C rs591058: CC  
MMP3 g.102838056 G-A rs650108: GA  
TNC g.117813990 C-T rs1330363: TT  
TNC g.117808785 T-A rs2104772: TT  
VDR FokI (ATG-ACG cod 1) T-C rs2228570: TC  
VDR BsmI intr8 A-G rs1544410: GG  
VDR TaqI es9 T-C rs731236: TT

**OXIDATIVE STRESS - ANTIAGING**

5HTTPLR S/L rs25531: L/L  
CAT C262T C-T rs1001179: CC  
EPHX1 Y113H T-C rs1051740: TC  
EPHX1 R139H A-G rs2234922: AA  
GPX1 P200L C-T rs1050450: TT  
GSTM1 gene deletion no del-del: DEL  
GSTP1 I105V A-G rs1695: AG  
GSTP1 A114V C-T rs1138272: CC  
GSTT1 gene deletion no del-del: NO DEL  
MnSOD (SOD2) A16V C-T rs4880: TT  
MnSOD (SOD2) T175C T-C rs1141718: TT  
SOD3 C760G C-G rs1799895: CC  
SUOX Q364X C-T: CC  
SUOX S370S G-C rs773115: CC  
SUOX S370Y C-A: CC  
SUOX cod.381 del TAGA: NO DEL/NO DEL

**WEIGHT CONTROL**

ADIPOq -11391 G-A rs17300539: GG  
ADRB1 G389R G-C rs1801253: CC  
ADRB2 G16R G-A rs1042713: AA  
ADRB3 W64R T-C rs4994: TT  
APOA2 -265 C-T rs5082: TT  
APOA5 -1131 T-C rs662799: TT  
FABP2 A54T G-A rs1799883: GG  
FTO T-A rs9939609: TA  
FTO C-A rs8050136: CA  
FTO C-T rs1121980: CT  
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GHSR G477A G-A rs572169: GA  
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MC4R g.60183864 T-C rs17782313: TC  
NPY L7P T-C rs16139: TT  
PPARG P12A C-G rs1801282: CC  
VEGFA c.-1507 C-G rs2010963: GG  
5HTTPLR S/L rs25531: L/L  
ADRA2B Ins/Del cod.299: I/D

*Interpretation:*

*Technical notes:*

*Comments:*

*Suggestions:*

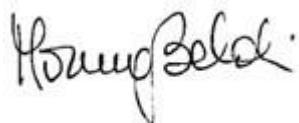
*Verification date:* 09/04/2019

*Validation date:* 10/04/2019

This report represents a true copy to the primary document, which is deposited in the archives of the Genoma Group Srl lab.

**The Geneticist**

Dr. Marina Baldi



**Genoma Srl**

**The Lab Director**

Dr. Laura Diano



**Genoma Srl**

**MILAN, February 13, 2019**