Bart M. L. Baselmans, et al. Nature Genetics





STUDY SUMMARY Novel method for multivariate traits identifies 304 genetic variants associated with well-being.

## YOUR RESULT

## STUDY DESCRIPTION



Our well-being is a multivariate trait typically characterized by high life-satisfaction, positive affect, and absence of neuroticism as well as depressive symptoms. Determining genetic predispositions to our well-being can be difficult since a complex array of genetic variants contribute. Using a novel method, this study analyzed the genomes of 160,000 individuals of European ancestry to discover 304 variants associated with well-being. Some of these identified variants are near genes that are highly expressed in brain tissue, specifically in the hippocampus region that plays an important role in regulating memory, learning, and emotion. Also, this novel method increased the number of identified genetic variants associated with well-being by 26%!

## DID YOU KNOW?

Studies have shown that exercising, sleeping well, spending time with loved ones, getting outside, helping others, practicing smiling, and planning trips can all increase your overall happinessl

## YOUR DETAILED RESULTS

To calculate your genetic predisposition to increased well-being we summed up the effects of genetic variants that were linked to increased well-being in the study that this report is based on. These variants can be found in the table below. The variants highlighted in green have positive effect sizes and increase your genetic predisposition to increased well-being. The variants highlighted in blue have negative effects sizes and decrease your genetic predisposition to increased well-being. Variants that are not highlighted are not found in your genome and do not affect your genetic predisposition to increased wellbeing. By adding up the effect sizes of the highlighted variants we calculated your polygenic score for increased well-being to be 0.04. To determine whether your score is high or low, we compared it to the scores of 5,000 other Nebula Genomics users. We found that your polygenic score for increased well-being is in the 46th percentile. This means that it is higher than the polygenic scores 46% of people. We consider this to be an average genetic predisposition to increased well-being. However, please note that genetic predispositions do not account for important non-genetic factors like lifestyle. Furthermore, the genetics of most traits has not been fully understood yet and many associations between traits and genetic variants remain unknown. For additional explanations, click on the column titles in the table below and visit our Nebula Library tutorial.

variant <sup>©</sup>	YOUR GENOTYPE <sup>©</sup>	EFFECT SIZE <sup>⊕</sup>	VARIANT FREQUENCY <sup>®</sup>	SIGNIFICANCE <sup>®</sup>
rs4938021_T 💮	C/C	0.01 (-)	63%	2.56 x 10 <sup>-26</sup>
rs483143_C	G/G	-0.01 (-)	12%	1.19 x 10 <sup>-22</sup>
rs13213152_G 🌼	A / A	-0.01 (-)	10%	6.48 x 10 <sup>-21</sup>
rs13212562_G 💮	A / A	-0.01 (-)	11%	7.08 x 10 <sup>-21</sup>
rs597462_C 💖	C/C	-0.01 (↓)	52%	2.21 × 10 <sup>-19</sup>
rs8084280_T 🖐	A / A	0.01 (-)	51%	3.32 × 10 <sup>-19</sup>
rs11082011_T 🌼	C / T	-0.01 (↓)	66%	6.51 × 10 <sup>-19</sup>
rs7010590_C 🌼	T/T	0.01 (-)	51%	1.33 × 10 <sup>-18</sup>
rs2233980_A 🌼	G / G	-0.01 (-)	13%	1.40 × 10 <sup>-18</sup>
rs13195401_T 🌼	G / G	-0.01 (-)	9%	5.46 × 10 <sup>-18</sup>
rs2302832_C 🌼	T/C	0.01 (1)	52%	9.80 x 10 <sup>-18</sup>
rs433061_A 💮	G / G	-0.01 (-)	11%	4.08 × 10 <sup>-17</sup>
rs10491952_T 🌼	C / T	-0.01 (↓)	22%	5.60 × 10 <sup>-17</sup>
rs17702602_T 🌼	C/C	0.01 (-)	44%	1.10 × 10 <sup>-16</sup>
rs16903285_C 🐡	T/T	0.01 (-)	14%	2.10 × 10 <sup>-16</sup>
rs7832708_T 🌼	T/T	-0.01 (↓)	48%	3.00 x 10 <sup>-16</sup>
rs10774909_G 🌼	C/C	0.01 (-)	20%	5.35 × 10 <sup>-16</sup>
rs12967143_C 🌼	C/C	-0.01 (↓)	70%	7.28 × 10 <sup>-16</sup>
rs171697_G 🙀	C/C	0.01 (-)	34%	1.26 × 10 <sup>-15</sup>
rs11599236_C 💮	C/C	-0.01 (↓)	42%	1.37 × 10 <sup>-15</sup>
rs716508_T	T/T	-0.01 (↓)	68%	1.38 × 10 <sup>-15</sup>
rs55748329_G 💮	A / A	-0.01 (-)	14%	2.89 x 10 <sup>-15</sup>
rs11214441_A 💮	T / A	0.01 (1)	40%	3.75 x 10 <sup>-15</sup>
rs3734572_C 🌼	NA	0.02 (-)	4%	5.12 × 10 <sup>-15</sup>
rs2179744_A 🐡	G / A	0.01 (1)	29%	7.17 × 10 <sup>-15</sup>
rs2921036_C 💮	C/C	-0.01 (↓)	51%	7.22 x 10 <sup>-15</sup>
rs2149351_G 💮	G / G	-0.01 (↓)	76%	7.76 × 10 <sup>-15</sup>
rs28427480_C 🌼	A / C	0.01 (1)	10%	1.01 × 10 <sup>-14</sup>
rs4543289_G 💮	T/G	0.01 (1)	52%	1.17 × 10 <sup>-14</sup>
rs782207_A 💮	G / A	-0.01 (↓)	37%	1.97 × 10 <sup>-14</sup>
rs3785234_T 💮	T/T	0.01 (1)	62%	2.23 x 10 <sup>-14</sup>
rs7107356_G 💮	A / A	0.01 (-)	51%	2.31 × 10 <sup>-14</sup>
rs2458167_C 💮	A / C	-0.01 (↓)	69%	2.32 x 10 <sup>-14</sup>
rs4671459_C	A / A	-0.01 (-)	19%	4.75 × 10 <sup>-14</sup>
rs1806153_T 💮	G/T	0.01 (1)	22%	5.41 x 10 <sup>-14</sup>
rs115648484_A 🐡	T/T	-0.01 (-)	9%	6.47 × 10 <sup>-14</sup>
rs2102341_C 🌼	T/T	-0.01 (-)	70%	8.45 x 10 <sup>-14</sup>
rs3764512_T 🌼	G/G	-0.01 (-)	23%	1.30 x 10 <sup>-13</sup>

AMADELIA   AMA			(1)		43
Part					
	rs1360692_T 🐡	Т/Т	0.01 (1)	60%	
Processes	rs11604333_G 💮	C / G	0.01 (1)	32%	3.75 x 10 <sup>-13</sup>
A	rs12962538_C 🌼	T/T	-0.01 (-)	18%	4.25 x 10 <sup>-13</sup>
179   179	rs10244364_C 💮	C/C	0.01 (1)	32%	7.07 × 10 <sup>-13</sup>
	rs3793577_G 📫	A / G	0.01 (1)	53%	7.39 x 10 <sup>-13</sup>
17.00   17.	rs3783007_G 🌼	T/G	0.01 (1)	38%	8.06 x 10 <sup>-13</sup>
177   201	rs2105841_C 🌼	T/C	0.01 (1)	38%	8.19 × 10 <sup>-13</sup>
## STATE   ST	rs7805419_C 🌼	T/C	0.01 (1)	42%	8.69 x 10 <sup>-13</sup>
STATE   STA	rs2276825_C 🐵	T/T	-0.01 (-)	25%	1.21 × 10 <sup>-12</sup>
STATE   STA	rs11214596_G 💮	C/C	-0.01 (-)	54%	1.24 × 10 <sup>-12</sup>
		C/C	0.01 (-)	10%	2.27 x 10 <sup>-12</sup>
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10   10   10   10   10   10   10   10					
	rs11610143_G 💮	0/0	0.01 (-)	20%	
Marie   Mari	rs2678897_A	A / A	0.01 (1)	61%	8.14 x 10 <sup>-12</sup>
restablisht. T. O. O. T. O. T. O. T. O. T. O. T. O. T. O. O. T. O. O. T. O. O. T. O. O. T. O.	rs11644362_C 💮	C/C	0.01 (1)	55%	9.44 x 10 <sup>-12</sup>
March   Marc	rs942866_T 🐡	G / T	0.01 (1)	66%	9.53 x 10 <sup>-12</sup>
NOTIFICATION   NOTI	rs1493914_T 💮	C / T	0.01 (1)	51%	9.73 x 10 <sup>-12</sup>
100   100	rs6131010_G 💮	A / G	-0.01 (↓)	74%	9.81 x 10 <sup>-12</sup>
10   10   10   10   10   10   10   10	rs10812851_C 💮	T/C	-0.01 (↓)	37%	9.93 x 10 <sup>-12</sup>
rub043740.0         T/T         -001 (-)         305         130 x 10 ° 1           rub064400.0         T/A         0.01 (1)         305         153 x 10 ° 1           ru214010.0         0 / C         0.01 (1)         805         197 x 0 ° 1           ru214010.0         0 / A         0.01 (1)         305         207 x 10 ° 1           ru216010.0         0 / A         0.01 (1)         375         2.24 x 10 ° 1           ru210010.0         0 / A         0.01 (1)         405         2.54 x 10 ° 1           ru220014.0         0 / A         0.01 (1)         405         3.05 x 10 ° 1           ru220014.0         0 / A         0.01 (1)         415         3.52 x 10 ° 1           ru220014.0         1 / A         0.01 (1)         415         3.52 x 10 ° 1           ru220014.0         1 / A         0.01 (1)         415         3.52 x 10 ° 1           ru220014.0         1 / A         0.01 (1)         415         3.52 x 10 ° 1           ru220018.0         1 / A         0.01 (1)         425         4.53 x 10 ° 1           ru220018.0         1 / A         0.01 (1)         425         6.53 x 10 ° 1           ru220018.0         1 / A         0.01 (1)         3.53         6.53 x	rs6925748_G 😳	A / A	0.01 (-)	42%	1.20 × 10 <sup>-11</sup>
radio4400	rs35609938_C 💮	0/0	0.01 (1)	51%	1.29 x 10 <sup>-11</sup>
ra7941827_0         0 / 0         0.01 (t)         855         1.97 x 10 "!           ra261856_A         6 / A         0.01 (t)         30%         207 x 10 "!           ra261865_A         6 / A         0.01 (t)         37%         2.34 x 10 "!           ra261865_A         6 / A         0.01 (t)         37%         2.45 x 10 "!           ra261864_A         6 / A         0.01 (t)         40%         3.05 x 10 "!           ra2278863_C         A / A         0.01 (t)         40%         3.05 x 10 "!           ra227885_C         7 / C         0.01 (t)         40%         3.71 x 10 "!           ra227886_C         7 / T         0.01 (-)         42%         4.35 x 10 "!           ra228868_C         7 / C         0.01 (-)         23%         6.09 x 10 "!           ra228868_C         7 / C         0.01 (-)         45%         6.35 x 10 "!           ra228868_C         7 / C         0.01 (-)         45%         6.35 x 10 "!           ra228868_C         7 / C         0.01 (-)         45%         6.35 x 10 "!           ra228868_C         6 / G         0.01 (-)         35%         6.35 x 10 "!           ra228868_C         6 / G         0.01 (-)         35%         0.35 x 10 "!<	rs6943746_G 啦	T/T	-0.01 (-)	39%	1.39 × 10 <sup>-11</sup>
ra7941827_0         0 / 0         0.01 (t)         855         1.97 x 10 "!           ra261856_A         6 / A         0.01 (t)         30%         207 x 10 "!           ra261865_A         6 / A         0.01 (t)         37%         2.34 x 10 "!           ra261865_A         6 / A         0.01 (t)         37%         2.45 x 10 "!           ra261864_A         6 / A         0.01 (t)         40%         3.05 x 10 "!           ra2278863_C         A / A         0.01 (t)         40%         3.05 x 10 "!           ra227885_C         7 / C         0.01 (t)         40%         3.71 x 10 "!           ra227886_C         7 / T         0.01 (-)         42%         4.35 x 10 "!           ra228868_C         7 / C         0.01 (-)         23%         6.09 x 10 "!           ra228868_C         7 / C         0.01 (-)         45%         6.35 x 10 "!           ra228868_C         7 / C         0.01 (-)         45%         6.35 x 10 "!           ra228868_C         7 / C         0.01 (-)         45%         6.35 x 10 "!           ra228868_C         6 / G         0.01 (-)         35%         6.35 x 10 "!           ra228868_C         6 / G         0.01 (-)         35%         0.35 x 10 "!<	rs9564496_A 🐵	T/A	0.01 (1)	32%	1.53 × 10 <sup>-11</sup>
Part	rs7841297_C 🎰	C/C	0.01 (↑)	85%	1.97 × 10 <sup>-11</sup>
	et e			30%	2.07 x 10 <sup>-11</sup>
metotes (1972)         6 / A         .0.01 (4)         .37%         .243 x 10.7%           m2308144_A         A / A         .0.01 (7)         .40%         .3.06 x 10.7%           m2273055_0         A / C         .0.01 (3)         .41%         .3.02 x 10.7%           m2673055_0         A / C         .0.01 (3)         .81%         .3.7% x 10.7%           m27707616_0         T / T         .0.01 (-)         .22%         .4.03 x 10.7%           m27707616_0         T / C         .0.01 (-)         .23%         .0.09 x 10.7%           m27707616_0         T / C         .0.01 (-)         .23%         .0.09 x 10.7%           m27707616_0         T / C         .0.01 (3)         .51%         .51.33 x 10.7%           m27707616_0         T / C         .0.01 (3)         .51%         .0.01 (7) <td></td> <td></td> <td></td> <td></td> <td></td>					
ma308144 A         A / A         0.01 (†)         40%         3.06 x 10 · H           ma2273655,0 °         A / O         -0.01 (4)         41%         3.62 x 10 · H           ma210014_0 °         O / O         -0.01 (4)         81%         3.71 x 10 · H           ms10014_0 °         T / T         0.01 (-)         42%         4.93 x 10 · H           ms1033564_0 °         T / O         -0.01 (4)         51%         6.09 x 10 · H           ms1033564_0 °         T / O         -0.01 (4)         74%         6.53 x 10 · H           ms4055564_0 °         T / O         -0.01 (-)         18%         6.09 x 10 · H           ms4055564_0 °         O / O         -0.01 (-)         18%         6.19 x 10 · H           ms4055564_0 °         T / T         -0.01 (-)         18%         6.09 x 10 · H           ms405566_0 °         O / O         -0.01 (-)         8%         6.96 x 10 · H           ms407571826_0 °         P / O         -0.01 (-)         8%         6.96 x 10 · H           ms827183_0 °         P / O         -0.01 (-)         8%         9.06 x 10 · H           ms82718_0 °         P / O         -0.01 (-)         20%         9.06 x 10 · H           ms827218_0 °         P / O         -0.01 (					
A   C	-				
realtoning Color         0 / 0         -0.01 (4)         81%         3.71 x 10 <sup>-11</sup> rs6776146_0         T / T         0.01 (-)         12%         4.93 x 10 <sup>-11</sup> rs72608287_T         0 / C         -0.01 (-)         23%         6.09 x 10 <sup>-11</sup> rs1953358_0         T / C         -0.01 (4)         61%         6.38 x 10 <sup>-11</sup> rs495647_0         0 / C         -0.01 (-)         18%         6.38 x 10 <sup>-11</sup> rs72269428_0         T / T         -0.01 (-)         8%         6.96 x 10 <sup>-11</sup> rs67269428_0         6 / 6         -0.01 (-)         8%         6.96 x 10 <sup>-11</sup> rs67269428_0         7 / T         0.01 (1)         30%         0.46 x 10 <sup>-11</sup> rs67269428_0         7 / T         0.01 (1)         60%         0.38 x 10 <sup>-11</sup> rs67269428_0         7 / T         0.01 (1)         60%         0.38 x 10 <sup>-11</sup> rs67269428_0         7 / C         0.01 (1)         68%         0.38 x 10 <sup>-11</sup> rs827128_0         7 / C         0.01 (-)         28%         1.08 x 10 <sup>-12</sup> rs728111_0         7 / C         0.01 (-)         28%         1.12 x 10 <sup>-12</sup> rs68648_0         7 / C         <	***				
res776/16_C • 1/T         7/T         0.01 (-)         12%         4.93 x 10 <sup>-11</sup> res72608287_T • 0         0 / C         -0.01 (-)         23%         6.09 x 10 <sup>-11</sup> res1083356_C • 0         7/C         -0.01 (-)         91%         6.38 x 10 <sup>-11</sup> res12626_C • 0         0 / C         -0.01 (-)         1%         6.38 x 10 <sup>-11</sup> res12626_C • 0         7/T         -0.01 (-)         8%         6.96 x 10 <sup>-11</sup> res262626_G • 0         7/T         0.01 (1)         50%         9.56 x 10 <sup>-11</sup> res670633_C • 0         6/6         0.01 (1)         50%         9.56 x 10 <sup>-11</sup> res670633_C • 0         6/6         0.01 (1)         60%         9.56 x 10 <sup>-11</sup> res67063_C • 0         6/6         0.01 (1)         60%         9.56 x 10 <sup>-11</sup> res67063_C • 0         7/C         0.01 (1)         60%         9.56 x 10 <sup>-11</sup> res6726_C • 0         7/G         0.01 (1)         20%         1.02 x 10 <sup>-10</sup> res6686_C • 0         0.01 (-)         20%         1.12 x 10 <sup>-10</sup> res6686_C • 0         0.01 (-)         60%         1.22 x 10 <sup>-10</sup> res6686_C • 0         0.01 (1)         60%         <					
ra72808287_T         C/C         -0.01(-)         25%         5.09 x 10 -11           rs408587_C         T/C         -0.01(-)         51%         6.38 x 10 -11           rs496547_C         C/C         -0.01(-)         74%         6.38 x 10 -11           rs72808283_C         T/T         -0.01(-)         8%         6.98 x 10 -11           rs670683_T         T/T         0.01(1)         30%         9.18 x 10 -11           rs827123_C         6/6         0.01(1)         60%         9.35 x 10 -11           rs7221811_G         7/6         0.01(1)         42%         9.86 x 10 -11           rs722181_G         7/6         0.01(4)         40%         1.05 x 10 -10           rs7243532_C         7/6         0.01(1)         60%         1.22 x 10 -10           rs66463_C         6/6         0.01(1)         60%         1.22 x 10 -10           rs672157_T         7/7         0.01(1)         60%         1.25 x 10 -10 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
re16833584_0         T/C         -0.01 (4)         51%         5.53 x 10 <sup>-14</sup> rs496647_0         C/C         -0.01 (4)         74%         5.36 x 10 <sup>-14</sup> rs12125842_6         T/T         -0.01 (-)         18%         6.74 x 10 <sup>-14</sup> rs72694263_C         6/6         -0.01 (-)         8%         6.95 x 10 <sup>-14</sup> rs6706939_T         T/T         0.01 (1)         50%         9.56 x 10 <sup>-14</sup> rs827125_C         6/6         0.01 (1)         68%         9.36 x 10 <sup>-14</sup> rs827128_0         6/6         0.01 (1)         88%         9.36 x 10 <sup>-14</sup> rs827128_0         7/6         0.01 (1)         42%         9.86 x 10 <sup>-14</sup> rs72898827_0         7/6         0.01 (4)         49%         1.05 x 10 <sup>-10</sup> rs12817065_T         7/6         0.01 (-)         26%         1.12 x 10 <sup>-10</sup> rs2845332_0         6/6         0.01 (-)         31%         1.12 x 10 <sup>-10</sup> rs4664874_0         6/6         0.01 (1)         56%         1.22 x 10 <sup>-10</sup> rs6724577_T         7/7         0.01 (4)         56%         1.25 x 10 <sup>-10</sup> rs7422260_0         7/7         0.01 (4)         56% <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
re4966417_C • re12126642_G • C / C         -0.01 (4)         74%         6.36 x 10 · fl           rs12126642_G • T / T         -0.01 (-)         18%         6.19 x 10 · fl           rs272694263_C • G / G         6 / G         -0.01 (-)         8%         6.96 x 10 · fl           rs6706939_T • G / G         0.01 (f)         30%         9.65 x 10 · fl           rs877432_G • G / G / G / G / G / G / G / G / G /	<u> </u>				
rs12126942_6         T / T         -0.01 (-)         18%         6.19 x 10 · 11           rs72694263_0         6 / 6         -0.01 (-)         8%         6.95 x 10 · 11           rs8706939_T         T / T         0.01 (1)         30%         9.16 x 10 · 11           rs871326_6         6 / 6         0.01 (1)         60%         9.35 x 10 · 11           rs827123_0         0 / C         0.01 (1)         68%         9.35 x 10 · 11           rs82721811_6         1 / C         0.01 (1)         42%         9.88 x 10 · 11           rs72898827_0         T / G         -0.01 (4)         49%         1.05 x 10 · 10           rs8281706_T         7 / C         0.01 (-)         26%         1.12 x 10 · 10           rs8284332_0         0 / C         0.01 (-)         31%         1.12 x 10 · 10           rs828434_0         0 / C         0.01 (-)         66%         1.22 x 10 · 10           rs864844_0         0 / C         0.01 (1)         66%         1.22 x 10 · 10           rs87245332_0         0 / C         0.01 (1)         68%         1.22 x 10 · 10           rs86287_1         0 / C         0.01 (1)         68%         1.22 x 10 · 10           rs87245332_0         0 / C         0.01 (1)					
rs72694263_C         6 / 6         -0.01 (-)         8%         6.96 x 10-11           rs6706939_T         T / T         0.01 (f)         30%         9.16 x 10-11           rs1371326_G         6 / 6         0.01 (f)         60%         9.35 x 10-11           rs827123_C         C / C         0.01 (f)         68%         9.36 x 10-11           rs827128_C         A / 6         0.01 (f)         42%         9.86 x 10-11           rs7989827_G         T / 6         0.01 (-)         49%         1.05 x 10-10           rs12817065_T         C / C         0.01 (-)         26%         1.12 x 10-10           rs7243332_G         A / A         0.01 (-)         31%         1.12 x 10-10           rs4864874_G         G / G         0.01 (1)         56%         1.22 x 10-10           rs60440_T         A / T         0.01 (1)         58%         1.29 x 10-10           rs6724577_T         A / T         0.01 (1)         58%         1.29 x 10-10           rs67242286_C         T / C         -0.01 (4)         56%         1.56 x 10-10           rs742228_G         T / T         -0.01 (-)         38%         1.76 x 10-10	-		-0.01 (↓)	74%	
rs6706939_T         T/T         0.01 (1)         30%         9.16 × 10-11           rs1371326_G         6 / 6         0.01 (1)         60%         9.35 × 10-11           rs827123_C         C / C         0.01 (1)         58%         9.36 × 10-11           rs2721811_G         A / G         0.01 (1)         42%         9.86 × 10-11           rs7989827_G         T / G         -0.01 (1)         49%         1.06 × 10-10           rs12817065_T         C / C         0.01 (-)         26%         1.12 × 10-10           rs7243332_G         A / A         0.01 (-)         31%         1.22 × 10-10           rs4664874_G         G / G         0.01 (1)         56%         1.22 × 10-10           rs6724677_T         A / T         0.01 (1)         56%         1.25 × 10-10           rs67242266_C         T / C         -0.01 (1)         56%         1.56 × 10-10           rs74228_G         T / T         -0.01 (-)         38%         1.76 × 10-10	rs12125942_G	Т/Т	-0.01 (-)	18%	6.19 x 10 <sup>-11</sup>
rest371326_6         6 / 6         0.01 (1)         60%         9.35 x 10 -11           res27123_C         C / C         0.01 (1)         58%         9.36 x 10 -11           res2721811_6         A / 6         0.01 (1)         42%         9.88 x 10 -11           res7989827_6         T / 6         -0.01 (4)         49%         1.05 x 10 -10           res12817056_T         C / C         0.01 (-)         26%         1.12 x 10 -10           res7243332_6         A / A         0.01 (-)         31%         1.12 x 10 -10           res4664874_6         6 / 6         0.01 (1)         56%         1.22 x 10 -10           res164640_T         O/T         -0.01 (4)         58%         1.26 x 10 -10           res722667_C         T/C         -0.01 (4)         66%         1.56 x 10 -10           res742286_C         T/T         -0.01 (-)         38%         1.76 x 10 -10	rs72694263_C (***)	G/G	-0.01 (-)	8%	6.95 x 10 <sup>-11</sup>
rs827123_C         C / C         0.01 (1)         58%         9.36 x 10 <sup>-11</sup> rs2721811_G         A / G         0.01 (1)         42%         9.86 x 10 <sup>-11</sup> rs7989827_G         T / G         -0.01 (4)         49%         1.05 x 10 <sup>-10</sup> rs12817086_T         C / C         0.01 (-)         26%         1.12 x 10 <sup>-10</sup> rs7243332_G         A / A         0.01 (-)         51%         1.22 x 10 <sup>-10</sup> rs4664874_G         G / G         0.01 (1)         66%         1.22 x 10 <sup>-10</sup> rs6721677_T         A / T         -0.01 (4)         58%         1.29 x 10 <sup>-10</sup> rs7422667_C         T / C         -0.01 (4)         66%         1.56 x 10 <sup>-10</sup> rs2744228_G         T / T         -0.01 (-)         38%         1.76 x 10 <sup>-10</sup>	rs6705939_T 😁	T/T	0.01 (1)	30%	9.15 x 10 <sup>-11</sup>
rs2721811_6       A / 6       0.01 (†)       42%       9.86 x 10-11         rs7989827_6       T / 6       -0.01 (↓)       49%       1.05 x 10-10         rs12817066_T       C / C       0.01 (-)       26%       1.12 x 10-10         rs7243332_6       A / A       0.01 (-)       31%       1.12 x 10-10         rs4664874_6       6 / 6       0.01 (†)       56%       1.22 x 10-10         rs6721677_T       A / T       0.01 (†)       68%       1.29 x 10-10         rs7422867_C       T / C       -0.01 (↓)       56%       1.56 x 10-10         rs2744228_G       T / T       -0.01 (↓)       38%       1.76 x 10-10	rs1371325_G 🌼	G / G	0.01 (1)	60%	9.35 x 10 <sup>-11</sup>
rs7989827_6	rs827123_C 💮	0/0	0.01 (1)	58%	9.36 x 10 <sup>-11</sup>
rs12817055_T • rs1281705_T • rs128	rs2721811_G 🌼	A / G	0.01 (1)	42%	9.86 x 10 <sup>-11</sup>
rs12817055_T • rs1281705_T • rs12	rs7989827_G 😄	T/G	-0.01 (↓)	49%	1.05 × 10 <sup>-10</sup>
rs7243332_6       A / A       0.01 (-)       31%       1.12 x 10 -10         rs4664874_6       6 / 6       0.01 (+)       56%       1.22 x 10 -10         rs164640_T       C / T       -0.01 (+)       53%       1.26 x 10 -10         rs6721677_T       A / T       0.01 (+)       58%       1.29 x 10 -10         rs7422867_0       T / C       -0.01 (+)       56%       1.56 x 10 -10         rs2744228_6       T / T       -0.01 (-)       38%       1.76 x 10 -10		0/0	0.01 (-)	26%	1.12 × 10 <sup>-10</sup>
rs4664874_6     6 / 6     0.01 (†)     56%     1.22 x 10-10       rs164640_1     C / T     -0.01 (↓)     53%     1.25 x 10-10       rs6721677_T     A / T     0.01 (†)     58%     1.29 x 10-10       rs7422667_0     T / C     -0.01 (↓)     56%     1.55 x 10-10       rs2744228_6     T / T     -0.01 (-)     38%     1.76 x 10-10				31%	1.12 × 10 <sup>-10</sup>
rs164640_T         C / T         -0.01 (↓)         53%         1.25 x 10 -10           rs6721677_T         A / T         0.01 (↑)         58%         1.29 x 10 -10           rs7422667_C         T / C         -0.01 (↓)         56%         1.56 x 10 -10           rs2744228_G         T / T         -0.01 (-)         38%         1.76 x 10 -10					
rs6721577_T     A/T     0.01 (1)     58%     1.29 x 10-10       rs7422667_0     T/C     -0.01 (4)     56%     1.55 x 10-10       rs2744228_0     T/T     -0.01 (-)     38%     1.76 x 10-10	-				
rs7422867_0	-				
rs2744228_G T/T -0.01 (-) 38% 1.76 x 10 <sup>-10</sup>					
	<u> </u>				
rs4554778_T 😶 C / C -0.01 (-) 80% 1.90 x 10 -10	rs2744228_G rs4554778_T		-0.01 (-) -0.01 (-)		1.76 × 10 <sup>-™</sup> 1.90 × 10 <sup>-10</sup>

rs703410_A 🌼	G / A	-0.01 (↓)	26%	1.97 x 10 <sup>-10</sup>
rs59211589_C 💮	Т/Т	-0.01 (-)	16%	2.50 x 10 <sup>-10</sup>
rs2051293_G 💮	A / G	0.01 (1)	34%	2.59 x 10 <sup>-10</sup>
rs11068917_A 🌼	C/C	0.01 (-)	18%	$2.67 \times 10^{-10}$
rs166418_T 🌼	T/T	-0.01 (↓)	48%	2.79 x 10 <sup>-10</sup>
rs247911_G 🌼	G / G	0.01 (1)	47%	3.74 x 10 <sup>-10</sup>
rs1187257_G 🐡	A / A	0.01 (-)	29%	4.33 × 10 <sup>-10</sup>
rs12794371_T 💠	G / G	0.01 (-)	33%	4.33 × 10 <sup>-10</sup>
rs9957512_T 💮	G / T	0.01 (1)	39%	5.05 x 10 <sup>-10</sup>
rs8001600_C 🌼	T/C	0.01 (↑)	35%	5.14 × 10 <sup>-10</sup>
rs77648771_T 💮	NA	0.01 (-)	5%	5.22 x 10 <sup>-10</sup>
rs9380700_A 📫	G / G	-0.01 (-)	25%	5.33 × 10 <sup>-10</sup>
rs9298995_A 💮	G / A	-0.01 (↓)	41%	5.68 × 10 <sup>-10</sup>
rs297346_G 💮	A / G	-0.01 (↓)	64%	6.82 x 10 <sup>-10</sup>
rs7523829_A 💮	G / A	0.01 (1)	49%	7.24 x 10 <sup>-10</sup>
rs12436091_C 💮	C/C	0.01 (↑)	76%	8.06 x 10 <sup>-10</sup>
rs1484680_G	A / G	-0.01 (↓)	58%	8.71 x 10 <sup>-10</sup>
rs4461738_C 💮	T/C	0.01 (1)	46%	9.22 x 10 <sup>-10</sup>
rs10879715_A 💮	A / A	0.01 (1)	55%	9.27 x 10 <sup>-10</sup>
rs10913160_A 💮	T / A	-0.01 (↓)	40%	1.01 x 10 <sup>-9</sup>
rs61905363_T 💮	NA	-0.01 (-)	4%	1.04 × 10 <sup>-9</sup>
rs651245_C 💮	C/C	0.01 (1)	60%	1.12 × 10 <sup>-9</sup>
rs308805_T 啦	C/C	-0.01 (-)	20%	1.18 x 10 <sup>-9</sup>
rs7789405_T 🌼	C/T	-0.01 (↓)	57%	1.23 × 10 <sup>-9</sup>
rs4886920_G 🌼	G / G	0.01 (↑)	70%	1.37 × 10 <sup>-9</sup>
rs2715147_T 💮	C/T	0.01 (↑)	50%	1.40 × 10 <sup>-9</sup>
rs17150537_G 💮	C / G	-0.01 (↓)	18%	1.45 × 10 <sup>-9</sup>
rs9967747_C 🌼	C/C	0.01 (↑)	86%	1.46 × 10 <sup>-9</sup>
rs4581549_T 🌼	C/C	-0.01 (-)	12%	1.50 × 10 <sup>-9</sup>
rs17041417_A 🌼	G / G	0.01 (-)	18%	1.52 x 10 <sup>-9</sup>
rs12374076_G 💮	G / G	0.01 (1)	51%	1.54 × 10 <sup>-9</sup>
rs815710_G 🌼	A / A	0.01 (-)	41%	1.62 × 10 <sup>-9</sup>
rs61867341_A 💮	A / A	-0.01 (↓)	24%	1.70 × 10 <sup>-9</sup>
rs769688_T 🌼	Т/Т	-0.01 (↓)	67%	1.73 × 10 <sup>-9</sup>
rs4836189_G 🌼	C/C	0.01 (-)	41%	1.87 × 10 <sup>-9</sup>
rs17622606_A 🙀	NA	-0.01 (-)	5%	1.95 × 10 <sup>-9</sup>
rs1019706_G 🌼	A / G	-0.01 (↓)	29%	1.96 × 10 <sup>-9</sup>
rs3811935_G 🖐	A / A	-0.01 (-)	50%	2.16 × 10 <sup>-9</sup>
rs6019826_T 💮	C/C	0.01 (-)	13%	2.17 × 10 <sup>-9</sup>
rs60157091_T 🌼	C/T	0.01 (↑)	52%	2.22 x 10 <sup>-9</sup>
rs34517207_C 🎃	T/T	-0.01 (-)	31%	2.26 × 10 <sup>-9</sup>
rs204883_A 🌼	G/G	0.01 (-)	40%	2.29 x 10 <sup>-9</sup>
rs6773869_G 🌼	G / A	0.01 (1)	35%	2.32 x 10 <sup>-9</sup>
rs198457_T	c/c	-0.01 (-)	19%	2.59 x 10 <sup>-9</sup>
rs3134012_C	T/T	0.01 (-)	72%	2.65 x 10 <sup>-9</sup>
rs17583539_G	A / A	0.01 (-)	22%	2.76 x 10 <sup>-9</sup>
rs1964390_G	C/G	0.01 (↑)	75%	2.81 x 10 <sup>-9</sup>
rs7200826_T	c/c	0.01 (-)	26%	3.05 x 10 <sup>-9</sup>
rs111871194_C	Т/Т	-0.01 (-)	10%	3.21 x 10 <sup>-9</sup>
rs7191427_T	G / G	0.01 (-)	25%	3.80 × 10 <sup>-9</sup>
rs2589341_C 💮	T/C	0.01 (↑)	34%	3.85 x 10 <sup>-9</sup>
rs9601120_T	Т/Т	0.01 (↑)	19%	4.10 x 10 <sup>-9</sup>
rs13409834_G	G/G	-0.01 (↓)	50%	4.43 × 10 <sup>-9</sup>
rs10967509_A	G / G	-0.01 (-)	38%	4.81 × 10 <sup>-9</sup>
rs66511648_C 😁	T/C	0.01 (↑)	27%	4.86 × 10 <sup>-9</sup>
rs9592461_G	A/G	-0.01 (\dagger)	52%	5.02 × 10 <sup>-9</sup>
rs10746509_T	т/т	0.01 (1)	41%	5.07 × 10 <sup>-9</sup>
rs78324365_A 🐡	G/G	-0.01 (-)	8%	5.14 × 10 <sup>-9</sup>

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rs11876796_T	C/T	-0.01 (↓)	52%	6.04 x 10 <sup>-9</sup>
rs115091345_C	NA	0.02 (-)	3%	6.30 x 10 <sup>-9</sup>
rs9332801_C	A / A	0.01 (-)	6%	6.45 x 10 <sup>-9</sup>
rs4914930_C 🐵	c/c	0.01 (↑)	74%	6.60 × 10 <sup>-9</sup>
rs35722835_A	G / G	-0.01 (-)	26%	7.09 × 10 <sup>-9</sup>
			25%	7.26 × 10 <sup>-9</sup>
rs4652676_A	G / A	0.01 (↑)		
rs7396827_C 💮	T/C	-0.01 (↓)	53%	7.51 × 10 <sup>-9</sup>
rs4712936_T 💮	Т/Т	0.01 (↑)	92%	7.65 x 10 <sup>-9</sup>
rs11605020_A 💮	G / A	0.01 (†)	51%	7.96 x 10 <sup>-9</sup>
rs1147478_A 💮	G / A	-0.01 (↓)	36%	8.99 x 10 <sup>-9</sup>
rs7021901_T 🐡	T/T	-0.01 (↓)	44%	9.97 x 10 <sup>-9</sup>
rs10838629_A 🌼	G / A	0.01 (1)	77%	1.03 x 10 <sup>-8</sup>
rs1329572_A 💠	Т/Т	0.01 (-)	37%	1.03 x 10 <sup>-8</sup>
rs12910872_T 🐡	C/C	-0.01 (-)	12%	1.08 x 10 <sup>-8</sup>
rs41316748_C 🙀	NA	0.01 (-)	4%	1.08 x 10 <sup>-8</sup>
rs1563245_G 啦	T/T	0.01 (-)	40%	1.12 x 10 <sup>-8</sup>
rs17049478_A 🌼	G/G	0.01 (-)	7%	1.13 × 10 <sup>-8</sup>
rs977747_G 💮	T/T	-0.01 (-)	59%	1.18 x 10 <sup>-8</sup>
rs17186681_T	A / A	0.01 (-)	20%	1.21 x 10 <sup>-8</sup>
rs7819525_T 🎃	G/G	-0.01 (-)	42%	1.23 × 10 <sup>-8</sup>
rs285006_A 💮	G/A	0.01 (1)	34%	1.26 × 10 <sup>-8</sup>
rs62041356_C 👶	G/G	0.01 (-)	13%	1.35 x 10 <sup>-8</sup>
rs7154329_G	A / A		50%	1.44 x 10 <sup>-8</sup>
rs/104529_G *** rs/15/10386_C ***		-0.01 (−) -0.01 (↓)	48%	1.44 x 10 °
***	C/C			
rs10485622_G	A / G	-0.01 (↓)	19%	1.59 x 10 <sup>-8</sup>
rs9546806_T	C/T	0.01 (↑)	61%	1.61 × 10 <sup>-8</sup>
rs17570807_G 📪	NA	0.01 (-)	4%	1.65 x 10 <sup>-8</sup>
rs74504435_G	A / A	-0.01 (-)	10%	1.66 x 10 <sup>-8</sup>
rs4409766_C 💮	Т/Т	-0.01 (-)	9%	1.67 x 10 <sup>-8</sup>
rs16958292_G 💠	G / G	-0.01 (↓)	14%	1.67 x 10 <sup>-8</sup>
rs779995_C 🌼	T/T	0.01 (-)	37%	1.69 x 10 <sup>-8</sup>
rs72932350_C 💮	T/T	0.01 (-)	15%	1.75 × 10 <sup>-8</sup>
rs10168771_A 💮	A / A	-0.01 (↓)	66%	1.81 x 10 <sup>-8</sup>
rs1191600_A 💮	C / A	-0.01 (↓)	59%	1.82 x 10 <sup>-8</sup>
rs1919159_G 💮	G / G	0.01 (1)	79%	1.82 × 10 <sup>-8</sup>
rs12458596_G 💮	A / A	0.01 (-)	37%	1.91 × 10 <sup>-8</sup>
rs1983949_A 💮	T/T	0.01 (-)	54%	1.93 × 10 <sup>-8</sup>
rs1551840_A	A / A	-0.01 (↓)	39%	2.05 x 10 <sup>-8</sup>
rs12513440_A 🐵	G / A	0.01 (↑)	25%	2.09 x 10 <sup>-8</sup>
rs77414181_A	G/G	0.01 (-)	8%	2.11 x 10 <sup>-8</sup>
rs13262595_G (**)	A / A	-0.01 (-)	56%	2.13 × 10 <sup>-8</sup>
rs1950835_T	G/T	-0.01 (↓)	51%	2.16 x 10 <sup>-8</sup>
rs73190080_T	C/C	0.01 (-)	13%	2.25 x 10 <sup>-8</sup>
			18%	2.26 x 10 °
rs71384258_G	A/G	0.01 (↑)		
rs34945223_G 💮	A / A	0.01 (-)	26%	2.39 x 10 <sup>-8</sup>
rs4968736_G 💮	G / G	0.01 (1)	36%	2.51 x 10 <sup>-8</sup>
rs117599630_G	NA	-0.02 (-)	3%	2.63 x 10 <sup>-8</sup>
rs310763_C 💮	C/C	-0.01 (↓)	78%	2.69 x 10 <sup>-8</sup>
rs3846828_A 🌼	C/C	0.01 (-)	11%	2.77 x 10 <sup>-8</sup>
rs6433563_G 🌼	A / A	-0.01 (-)	51%	2.81 x 10 <sup>-8</sup>
rs6771469_C 💠	T/C	-0.01 (↓)	40%	2.94 x 10 <sup>-8</sup>
rs28680958_A 🌼	G / G	-0.01 (-)	22%	3.05 × 10 <sup>-8</sup>
rs35258156_G 🐵	A / G	-0.01 (↓)	46%	3.05 x 10 <sup>-8</sup>
1800200100_0		-0.01 (↓)	45%	3.15 x 10 <sup>-8</sup>
rs4271063_A	C / A	5.5 . (5)		
rs4271063_A	C/A T/T		47%	3.19 x 10 <sup>-8</sup>
rs4271063_A 💮	Т/Т	-0.01 (-)		
rs4271063_A rs306765_C rs10061069_C	T / T G / G	-0.01 (-) -0.01 (-)	23%	3.38 × 10 <sup>-8</sup>
rs4271063_A 💮	Т/Т	-0.01 (-)		

180000077_0	K / U	-0.01 (¥)	00%	0.70 X 10
rs655836_C 💮	T/C	-0.01 (↓)	43%	3.71 x 10 <sup>-8</sup>
rs4757136_A 🐡	A / A	-0.01 (↓)	58%	3.83 x 10 <sup>-8</sup>
rs77129413_A 💮	G / G	-0.01 (-)	10%	3.87 x 10 <sup>-8</sup>
rs12517438_G 💮	T/T	0.01 (-)	54%	3.91 x 10 <sup>-8</sup>
rs9883788_A 🐡	G / G	0.01 (-)	37%	3.98 x 10 <sup>-8</sup>
rs7633673_A 🐡	G / G	-0.01 (-)	41%	4.12 x 10 <sup>-8</sup>
rs314262_A	A / A	0.01 (1)	54%	4.14 x 10 <sup>-8</sup>
rs2876520_G 💮	C / C	0.01 (-)	47%	4.22 x 10 <sup>-8</sup>
rs1892350_G 🌼	A / A	0.01 (-)	49%	4.25 x 10 <sup>-8</sup>
rs2042395_A	A / A	-0.01 (↓)	76%	4.39 x 10 <sup>-8</sup>
rs2469903_G 💮	G / G	0.01 (↑)	69%	4.56 x 10 <sup>-8</sup>
rs4739938_G 💮	T/T	0.01 (-)	9%	4.58 x 10 <sup>-8</sup>
rs6931902_C	C / C	0.01 (1)	80%	4.87 x 10 <sup>-8</sup>
rs1016306_T	G / T	-0.01 (↓)	53%	4.89 x 10 <sup>-8</sup>
rs12910903_G 💮	G / G	-0.01 (↓)	41%	4.93 x 10 <sup>-8</sup>
rs1072880_T	C/T	-0.01 (↓)	31%	4.98 x 10 <sup>-8</sup>

N/A indicates variants that could not be imputed using the 1000 genomes project datasets and variants that have a frequency of < 5%. Your genome was sequenced at 30x/100x coverage and is not imputed. However, to calculate percentiles, we need to exclude some of the variants from your data.