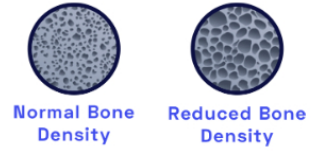


★ Bone mineral density (Kemp, 2017)

John P. Kemp, et al.  
Nature Genetics

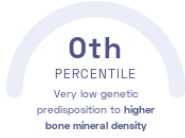
Bones



STUDY SUMMARY

Identification of 153 new genetic variants associated with bone mineral density.

YOUR RESULT



STUDY DESCRIPTION

Bone mineral density is the amount of bone mineral in bone tissue. High bone mineral density means stronger bones and a lower risk of fractures and osteoporosis. This genome-wide study analyzed the genomes of over 142,000 individuals of European ancestry and discovered 153 novel genetic variants that are associated with bone mineral density. In total, the study reports 307 independent genetic variants that jointly explain ~ 12% of the variance in bone mineral density. The study also links many bone mineral density-associated variants to the risk of fractures and osteoporosis.

DID YOU KNOW?

To keep your bones healthy, adopt a protein- and calcium-rich diet, exercise regularly (in particular running or weight-bearing exercise), and abstain from alcohol as well as tobacco use.

YOUR DETAILED RESULTS

To calculate your genetic predisposition to higher bone mineral density we summed up the effects of genetic variants that were linked to higher bone mineral density 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 higher bone mineral density. The variants highlighted in blue have **negative effect sizes** and decrease your genetic predisposition to higher bone mineral density. Variants that are not highlighted are not found in your genome and do not affect your genetic predisposition to higher bone mineral density. By adding up the effect sizes of the highlighted variants we calculated your polygenic score for higher bone mineral density to be **-1.59**. 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 higher bone mineral density is in the **0th percentile**. This means that it is higher than the polygenic scores 0% of people. We consider this to be a **very low genetic predisposition to higher bone mineral density**. 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	YOUR GENOTYPE	EFFECT SIZE	VARIANT FREQUENCY	SIGNIFICANCE
rs2538195_A	A / G	-0.17 (↓)	60%	4.94 x 10 <sup>-324</sup>
rs10668066_G	CACCCA / CACCCA	-0.17 (-)	75%	4.94 x 10 <sup>-324</sup>
rs4869744_T	T / C	0.09 (↑)	71%	4.40 x 10 <sup>-150</sup>
rs7741021_A	A / A	-0.08 (↓)	52%	1.60 x 10 <sup>-140</sup>
rs7099953_G	G / G	0.13 (↑)	89%	6.00 x 10 <sup>-138</sup>
rs2941741_G	G / A	-0.08 (↓)	58%	2.10 x 10 <sup>-119</sup>
rs4233949_C	G / G	0.07 (-)	39%	2.40 x 10 <sup>-110</sup>
rs115242848_C	C / C	-0.38 (↓)	99%	6.20 x 10 <sup>-88</sup>
rs1414660_C	C / C	-0.08 (↓)	81%	1.20 x 10 <sup>-87</sup>
rs7256601_G	G / G	-0.11 (↓)	91%	1.80 x 10 <sup>-79</sup>
rs649693_T	T / T	0.07 (↑)	69%	4.30 x 10 <sup>-77</sup>
rs10130587_G <span style="color: orange;">NEW</span>	G / G	-0.06 (↓)	59%	2.80 x 10 <sup>-72</sup>
rs1159798_A	A / C	0.07 (↑)	22%	8.80 x 10 <sup>-67</sup>
rs9402490_G	G / T	0.06 (↑)	44%	9.40 x 10 <sup>-67</sup>
rs1878526_G	G / G	-0.06 (↓)	78%	6.20 x 10 <sup>-64</sup>
rs1717731_T	T / T	-0.07 (↓)	82%	1.10 x 10 <sup>-63</sup>
rs10858944_G <span style="color: orange;">NEW</span>	G / A	-0.06 (↓)	60%	8.20 x 10 <sup>-63</sup>
rs6589301_G <span style="color: orange;">NEW</span>	A / A	0.05 (-)	41%	6.60 x 10 <sup>-60</sup>
rs6956946_T	T / G	-0.05 (↓)	35%	6.20 x 10 <sup>-57</sup>
rs12525051_G	A / A	-0.06 (-)	52%	3.60 x 10 <sup>-54</sup>
rs4505759_C	C / C	-0.05 (↓)	69%	5.50 x 10 <sup>-52</sup>
rs34963268_G	G / G	-0.06 (↓)	82%	1.10 x 10 <sup>-50</sup>
rs58973023_A	A / A	0.05 (↑)	51%	2.60 x 10 <sup>-48</sup>
rs113166754_C	C / C	0.10 (↑)	94%	5.20 x 10 <sup>-47</sup>
rs4440558_A	A / G	-0.05 (↓)	34%	5.20 x 10 <sup>-47</sup>
rs9491689_C	C / C	-0.05 (↓)	72%	8.00 x 10 <sup>-47</sup>
rs10931982_T <span style="color: orange;">NEW</span>	C / C	-0.05 (-)	23%	8.30 x 10 <sup>-47</sup>
rs62159864_T	T / T	-0.05 (↓)	73%	2.60 x 10 <sup>-46</sup>
rs1941749_A	A / A	0.05 (↑)	64%	3.50 x 10 <sup>-43</sup>
rs11029901_A	A / G	0.05 (↑)	36%	2.70 x 10 <sup>-41</sup>
rs117481343_C <span style="color: orange;">NEW</span>	C / C	-0.13 (↓)	97%	3.00 x 10 <sup>-41</sup>
rs370387_G	A / A	-0.04 (-)	44%	9.60 x 10 <sup>-41</sup>
rs2929308_T <span style="color: orange;">NEW</span>	T / T	0.04 (↑)	49%	1.90 x 10 <sup>-39</sup>
rs7576689_C	C / T	-0.05 (↓)	78%	1.60 x 10 <sup>-38</sup>
rs7209826_A	A / A	-0.04 (↓)	62%	2.30 x 10 <sup>-36</sup>
rs118115924_G	G / G	0.19 (↑)	99%	2.90 x 10 <sup>-36</sup>
rs134639_A <span style="color: orange;">NEW</span>	G / G	0.04 (-)	35%	6.30 x 10 <sup>-36</sup>
rs2504069_C	C / C	-0.05 (↓)	29%	6.50 x 10 <sup>-35</sup>
rs10276670_A <span style="color: orange;">NEW</span>	A / A	0.05 (↑)	77%	1.70 x 10 <sup>-34</sup>

rs1048932_C	A / A	-0.04 (-)	59%	1.80 x 10 <sup>-33</sup>
rs7619889_G	G / G	0.05 (↑)	80%	9.40 x 10 <sup>-33</sup>
rs12806687_C	C / G	0.04 (↑)	34%	2.60 x 10 <sup>-32</sup>
rs17236800_A	A / A	-0.05 (↓)	81%	1.30 x 10 <sup>-31</sup>
rs1036902_T	T / T	-0.05 (↓)	85%	1.60 x 10 <sup>-31</sup>
rs11088458_A	A / G	0.04 (↑)	29%	3.90 x 10 <sup>-31</sup>
rs947091_G	G / A	-0.04 (↓)	52%	6.00 x 10 <sup>-29</sup>
rs2008411_C	T / T	0.04 (-)	30%	7.90 x 10 <sup>-29</sup>
rs1980854_G	G / G	-0.04 (↓)	71%	1.50 x 10 <sup>-28</sup>
rs62198536_A	A / G	-0.04 (↓)	65%	6.40 x 10 <sup>-28</sup>
rs117111740_T	T / T	0.12 (↑)	97%	1.50 x 10 <sup>-27</sup>
rs17662822_C	C / A	0.04 (↑)	67%	7.00 x 10 <sup>-27</sup>
rs188810925_G	G / G	-0.07 (↓)	92%	1.30 x 10 <sup>-26</sup>
rs71378512_G	G / G	0.09 (↑)	95%	1.10 x 10 <sup>-25</sup>
rs17457340_T	T / C	0.06 (↑)	92%	2.40 x 10 <sup>-25</sup>
rs6117854_G	G / G	0.04 (↑)	67%	2.70 x 10 <sup>-25</sup>
rs72629754_G	G / A	-0.04 (↓)	60%	1.20 x 10 <sup>-24</sup>
rs547545_T	T / T	-0.03 (↓)	54%	2.00 x 10 <sup>-24</sup>
rs112069922_C	C / C	0.08 (↑)	95%	8.40 x 10 <sup>-24</sup>
rs2737252_G	G / G	-0.04 (↓)	72%	1.90 x 10 <sup>-23</sup>
rs4988321_G	G / G	0.07 (↑)	95%	3.30 x 10 <sup>-23</sup>
rs344083_A	A / C	0.04 (↑)	78%	5.70 x 10 <sup>-23</sup>
rs144339224_A	A / ACCCT	-0.04 (↓)	76%	6.50 x 10 <sup>-23</sup>
rs11636403_C	C / C	-0.03 (↓)	54%	6.80 x 10 <sup>-23</sup>
rs757980_G	G / A	0.04 (↑)	25%	8.50 x 10 <sup>-23</sup>
rs34952318_G	G / G	0.07 (↑)	95%	3.30 x 10 <sup>-22</sup>
rs212417_G	A / A	0.03 (-)	33%	1.20 x 10 <sup>-21</sup>
rs11209240_A	A / A	-0.04 (↓)	84%	4.50 x 10 <sup>-21</sup>
rs3829241_G	A / A	-0.03 (-)	60%	4.50 x 10 <sup>-21</sup>
rs72805220_C	C / C	0.06 (↑)	93%	6.50 x 10 <sup>-21</sup>
rs6040006_C	C / C	0.09 (↑)	97%	9.40 x 10 <sup>-21</sup>
rs85_T	C / C	-0.04 (-)	20%	1.50 x 10 <sup>-20</sup>
rs525678_A	NA	0.08 (-)	4%	1.90 x 10 <sup>-20</sup>
rs61887821_G	G / G	0.20 (↑)	99%	2.00 x 10 <sup>-20</sup>
rs71390846_G	C / C	0.04 (-)	81%	3.70 x 10 <sup>-20</sup>
rs6134038_A	A / A	0.04 (↑)	80%	3.70 x 10 <sup>-20</sup>
rs4397637_G	G / G	-0.04 (↓)	81%	5.70 x 10 <sup>-20</sup>
rs17680862_G	G / G	0.09 (↑)	97%	7.40 x 10 <sup>-20</sup>
rs7959604_C	C / G	0.06 (↑)	92%	7.60 x 10 <sup>-20</sup>
rs149333699_A	A / A	-0.35 (↓)	> 99%	1.10 x 10 <sup>-19</sup>
rs17602572_C	G / G	0.03 (-)	60%	1.20 x 10 <sup>-19</sup>
rs7627300_C	C / T	0.03 (↑)	59%	1.70 x 10 <sup>-19</sup>
rs10244184_T	T / C	0.03 (↑)	74%	3.10 x 10 <sup>-19</sup>
rs7088220_C	C / A	-0.03 (↓)	45%	5.10 x 10 <sup>-19</sup>
rs884205_A	C / C	-0.03 (-)	25%	9.50 x 10 <sup>-19</sup>
rs3790608_G	G / G	-0.04 (↓)	85%	1.20 x 10 <sup>-18</sup>
rs2708632_T	T / T	-0.03 (↓)	34%	1.20 x 10 <sup>-18</sup>
rs537120594_C	C / CT	0.03 (↑)	66%	1.70 x 10 <sup>-18</sup>
rs62558340_C	C / C	0.03 (↑)	76%	2.30 x 10 <sup>-18</sup>
rs114847962_A	A / A	0.03 (↑)	74%	3.50 x 10 <sup>-18</sup>
rs2696264_G	G / G	-0.03 (↓)	77%	3.70 x 10 <sup>-18</sup>
rs9932220_G	G / G	-0.03 (↓)	78%	3.90 x 10 <sup>-18</sup>
rs4807629_A	A / A	0.03 (↑)	68%	5.40 x 10 <sup>-18</sup>
rs2275707_C	A / A	0.03 (-)	21%	1.20 x 10 <sup>-17</sup>
rs8002850_G	G / G	0.03 (↑)	66%	1.30 x 10 <sup>-17</sup>
rs10199437_G	A / A	0.06 (-)	6%	1.60 x 10 <sup>-17</sup>
rs1133400_A	A / A	-0.03 (↓)	78%	1.70 x 10 <sup>-17</sup>
rs56082403_T	T / T	0.03 (↑)	60%	2.10 x 10 <sup>-17</sup>
rs1386625_A	G / G	0.05 (-)	10%	2.20 x 10 <sup>-17</sup>
rs10249754_A	A / G	-0.03 (↓)	34%	2.30 x 10 <sup>-17</sup>

rs7265796_A	G / G	0.03 (-)	37%	2.60 × 10 <sup>-17</sup>
rs10992867_G	G / G	-0.03 (↓)	75%	2.50 × 10 <sup>-17</sup>
rs6839437_T	C / C	-0.04 (-)	16%	3.00 × 10 <sup>-17</sup>
rs10490046_A	A / A	0.03 (↑)	78%	3.20 × 10 <sup>-17</sup>
rs2836613_G	G / A	-0.03 (↓)	25%	4.20 × 10 <sup>-17</sup>
rs17307280_C	C / C	0.07 (↑)	27%	4.65 × 10 <sup>-17</sup>
rs11228219_C	C / T	0.03 (↑)	81%	5.20 × 10 <sup>-17</sup>
rs62028332_G	G / G	-0.04 (↓)	86%	5.20 × 10 <sup>-17</sup>
rs7003794_C	C / A	0.03 (↑)	40%	6.00 × 10 <sup>-17</sup>
rs170634_C	C / C	0.03 (↑)	26%	6.00 × 10 <sup>-17</sup>
rs202234992_C	C / C	-0.11 (↓)	96%	1.40 × 10 <sup>-18</sup>
rs2668602_G	G / A	-0.03 (↓)	38%	1.40 × 10 <sup>-18</sup>
rs2301522_A	G / G	0.03 (-)	34%	1.60 × 10 <sup>-18</sup>
rs62621812_G	G / G	0.09 (↑)	98%	2.50 × 10 <sup>-18</sup>
rs66864335_G	A / A	0.03 (-)	78%	3.20 × 10 <sup>-18</sup>
rs12241932_T	T / T	0.03 (↑)	78%	4.70 × 10 <sup>-18</sup>
rs1352014_A	A / A	-0.03 (↓)	45%	4.80 × 10 <sup>-18</sup>
rs8108787_T	T / C	0.03 (↑)	74%	5.30 × 10 <sup>-18</sup>
rs4675694_C	C / G	-0.04 (↓)	17%	5.50 × 10 <sup>-18</sup>
rs10875906_C	C / C	-0.03 (↓)	72%	5.60 × 10 <sup>-18</sup>
rs4959677_G	G / C	0.03 (↑)	51%	8.10 × 10 <sup>-18</sup>
rs74971894_A	A / A	0.04 (↑)	88%	1.20 × 10 <sup>-16</sup>
rs12041600_G	A / A	0.03 (-)	52%	1.40 × 10 <sup>-16</sup>
rs17507577_G	G / G	-0.05 (↓)	92%	1.40 × 10 <sup>-16</sup>
rs2376600_G	G / G	0.03 (↑)	69%	1.80 × 10 <sup>-16</sup>
rs1877998_G	G / G	0.03 (↑)	82%	2.10 × 10 <sup>-16</sup>
rs9379084_G	G / G	0.04 (↑)	88%	3.00 × 10 <sup>-16</sup>
rs7074558_C	C / G	0.03 (↑)	49%	3.70 × 10 <sup>-16</sup>
rs5952416_A	T / T	-0.04 (-)	32%	3.81 × 10 <sup>-16</sup>
rs239677_C	T / T	0.03 (-)	59%	4.40 × 10 <sup>-16</sup>
rs368510_G	G / G	-0.03 (↓)	67%	7.20 × 10 <sup>-16</sup>
rs72868839_A	A / A	-0.05 (↓)	93%	9.30 × 10 <sup>-16</sup>
rs11869530_G	A / A	-0.03 (-)	37%	1.00 × 10 <sup>-14</sup>
rs11637971_A	A / C	-0.03 (↓)	30%	1.20 × 10 <sup>-14</sup>
rs6680737_G	G / A	-0.03 (↓)	56%	1.60 × 10 <sup>-14</sup>
rs13044413_A	A / G	-0.03 (↓)	56%	1.80 × 10 <sup>-14</sup>
rs28550561_A	A / A	0.03 (↑)	70%	2.10 × 10 <sup>-14</sup>
rs13056435_C	C / C	0.05 (↑)	92%	2.10 × 10 <sup>-14</sup>
rs6701290_G	A / A	0.04 (-)	11%	2.30 × 10 <sup>-14</sup>
rs2542710_A	A / G	0.02 (↑)	52%	2.70 × 10 <sup>-14</sup>
rs1415701_G	G / A	-0.03 (↓)	73%	3.60 × 10 <sup>-14</sup>
rs11915970_A	A / A	-0.04 (↓)	88%	3.70 × 10 <sup>-14</sup>
rs139603701_A	A / A	0.10 (↑)	98%	5.60 × 10 <sup>-14</sup>
rs559181_A	T / T	0.03 (-)	52%	7.50 × 10 <sup>-14</sup>
rs1042704_G	G / A	0.03 (↑)	79%	9.00 × 10 <sup>-14</sup>
rs1428968_C	C / C	-0.03 (↓)	82%	1.20 × 10 <sup>-13</sup>
rs11832031_T	T / A	0.03 (↑)	23%	1.20 × 10 <sup>-13</sup>
rs10790255_G	T / T	-0.03 (-)	25%	1.30 × 10 <sup>-13</sup>
rs117108011_A	A / A	-0.10 (↓)	98%	1.40 × 10 <sup>-13</sup>
rs34725069_A	A / A	0.04 (↑)	14%	2.10 × 10 <sup>-13</sup>
rs184953495_C	C / C	-0.42 (↓)	> 99%	2.50 × 10 <sup>-13</sup>
rs62195575_A	A / A	-0.03 (↓)	70%	2.70 × 10 <sup>-13</sup>
rs11679645_T	T / T	0.03 (↑)	75%	3.70 × 10 <sup>-13</sup>
rs6454314_G	A / A	0.03 (-)	32%	4.90 × 10 <sup>-13</sup>
rs73997493_C	C / C	0.04 (↑)	91%	6.70 × 10 <sup>-13</sup>
rs74119759_C	C / T	0.03 (↑)	84%	1.10 × 10 <sup>-12</sup>
rs187925403_A	A / A	-0.34 (↓)	> 99%	1.20 × 10 <sup>-12</sup>
rs6040068_C	C / C	0.04 (↑)	87%	1.30 × 10 <sup>-12</sup>
rs1080789_A	A / A	0.02 (↑)	52%	1.30 × 10 <sup>-12</sup>
rs10943130_C	C / T	0.02 (↑)	49%	1.30 × 10 <sup>-12</sup>

rs7535122_A	A / G	0.02 (↑)	39%	$1.40 \times 10^{-12}$
rs2675952_T	T / A	-0.02 (↓)	57%	$1.40 \times 10^{-12}$
rs143581991_A	ACCG / ACCG	-0.02 (-)	62%	$1.70 \times 10^{-12}$
rs2509353_C	C / T	0.02 (↑)	55%	$1.80 \times 10^{-12}$
rs16961974_T	T / T	0.03 (↑)	74%	$2.00 \times 10^{-12}$
rs6489548_A	A / G	0.02 (↑)	40%	$2.10 \times 10^{-12}$
rs11875132_T	T / C	0.02 (↑)	56%	$2.10 \times 10^{-12}$
rs10145299_T	C / C	-0.02 (-)	51%	$2.40 \times 10^{-12}$
rs603424_G	G / A	0.03 (↑)	83%	$2.50 \times 10^{-12}$
rs3170167_T	T / T	0.03 (↑)	85%	$3.00 \times 10^{-12}$
rs7301013_A	A / A	-0.03 (↓)	85%	$3.10 \times 10^{-12}$
rs12154498_A	C / C	-0.03 (-)	15%	$4.20 \times 10^{-12}$
rs17688827_A	A / G	0.02 (↑)	58%	$4.60 \times 10^{-12}$
rs3095208_T	T / T	-0.02 (↓)	74%	$9.10 \times 10^{-12}$
rs7516171_C	C / C	-0.03 (↓)	82%	$9.80 \times 10^{-12}$
rs28744551_C	C / G	-0.04 (↓)	91%	$1.10 \times 10^{-11}$
rs2279743_T	T / C	0.03 (↑)	85%	$1.10 \times 10^{-11}$
rs6547870_G	G / C	0.02 (↑)	37%	$1.20 \times 10^{-11}$
rs149504726_G	G / G	-0.16 (↓)	99%	$1.30 \times 10^{-11}$
rs72976751_A	A / A	-0.03 (↓)	86%	$1.30 \times 10^{-11}$
rs1622638_G	G / A	-0.02 (↓)	61%	$1.30 \times 10^{-11}$
rs1078514_C	C / C	0.02 (↑)	67%	$1.40 \times 10^{-11}$
rs17514738_T	T / T	0.02 (↑)	60%	$1.50 \times 10^{-11}$
rs74439044_T	T / T	0.04 (↑)	90%	$1.50 \times 10^{-11}$
rs8069036_T	T / T	-0.02 (↓)	57%	$1.60 \times 10^{-11}$
rs17501090_C	C / C	0.08 (↑)	98%	$1.60 \times 10^{-11}$
rs78015143_G	G / G	-0.04 (↓)	90%	$1.60 \times 10^{-11}$
rs55787537_T	T / T	0.03 (↑)	83%	$1.60 \times 10^{-11}$
rs6471752_C	C / C	0.03 (↑)	85%	$1.70 \times 10^{-11}$
rs2624847_G	T / T	0.02 (-)	26%	$1.80 \times 10^{-11}$
rs11067228_A	A / G	-0.02 (↓)	55%	$1.90 \times 10^{-11}$
rs56185026_T	T / T	-0.04 (↓)	90%	$2.10 \times 10^{-11}$
rs1487241_A	A / T	0.03 (↑)	32%	$2.20 \times 10^{-11}$
rs9260426_A	G / G	0.02 (-)	50%	$2.60 \times 10^{-11}$
rs10022648_A	A / A	0.02 (↑)	61%	$3.10 \times 10^{-11}$
rs12529766_C	C / C	0.03 (↑)	87%	$3.10 \times 10^{-11}$
rs6761129_C	C / T	-0.04 (↓)	89%	$3.90 \times 10^{-11}$
rs4589135_T	T / C	0.02 (↑)	62%	$4.10 \times 10^{-11}$
rs191147097_A	A / A	-0.24 (↓)	> 99%	$4.30 \times 10^{-11}$
rs10013456_A	A / A	-0.03 (↓)	81%	$4.50 \times 10^{-11}$
rs557266652_A	A / A	0.44 (↑)	> 99%	$5.00 \times 10^{-11}$
rs62454420_A	A / A	-0.04 (↓)	93%	$5.80 \times 10^{-11}$
rs183979857_T	T / T	-0.19 (↓)	99%	$6.30 \times 10^{-11}$
rs1005502_C	T / T	0.03 (-)	27%	$6.40 \times 10^{-11}$
rs11196171_A	A / A	0.03 (↑)	79%	$7.00 \times 10^{-11}$
rs56235417_G	C / C	0.03 (-)	84%	$7.60 \times 10^{-11}$
rs17595156_G	G / A	-0.03 (↓)	91%	$8.50 \times 10^{-11}$
rs4888151_A	A / C	0.03 (↑)	26%	$8.80 \times 10^{-11}$
rs13345456_C	C / C	-0.03 (↓)	75%	$9.00 \times 10^{-11}$
rs73029263_A	A / A	0.03 (↑)	87%	$9.20 \times 10^{-11}$
rs72767980_C	C / T	-0.03 (↓)	83%	$1.10 \times 10^{-10}$
rs75077113_A	A / C	0.02 (↑)	72%	$1.20 \times 10^{-10}$
rs7969076_T	T / T	-0.02 (↓)	49%	$1.60 \times 10^{-10}$
rs34687052_A	A / A	0.02 (↑)	66%	$2.10 \times 10^{-10}$
rs9327301_G	G / A	0.02 (↑)	74%	$2.10 \times 10^{-10}$
rs7578166_A	A / C	-0.02 (↓)	39%	$2.20 \times 10^{-10}$
rs2188092_G	G / G	-0.04 (↓)	92%	$2.20 \times 10^{-10}$
rs10885447_G	G / G	-0.03 (↓)	79%	$2.30 \times 10^{-10}$
rs283324_G	G / G	0.02 (↑)	78%	$2.70 \times 10^{-10}$

rs4806832_C	C / T	0.02 (↑)	53%	$2.80 \times 10^{-10}$
rs28687205_A	A / A	0.02 (↑)	53%	$3.10 \times 10^{-10}$
rs10749436_G	G / G	-0.02 (↓)	76%	$3.30 \times 10^{-10}$
rs6882422_G	G / G	0.03 (↑)	88%	$3.40 \times 10^{-10}$
rs56874297_G	G / G	0.04 (↑)	91%	$3.40 \times 10^{-10}$
rs12340775_G	G / G	0.05 (↑)	94%	$3.80 \times 10^{-10}$
rs113196631_A	/	0.03 (-)	71%	$3.90 \times 10^{-10}$
rs1149821_T	C / C	0.02 (-)	46%	$4.00 \times 10^{-10}$
rs4239232_T	T / T	0.02 (↑)	37%	$4.10 \times 10^{-10}$
rs143043662_C	C / C	-0.09 (↓)	99%	$4.20 \times 10^{-10}$
rs11729023_C	C / C	-0.03 (↓)	88%	$4.70 \times 10^{-10}$
rs62164915_A	A / C	-0.02 (↓)	73%	$4.80 \times 10^{-10}$
rs1502199_A	G / G	0.02 (-)	25%	$4.90 \times 10^{-10}$
rs7036453_C	C / T	0.06 (↑)	96%	$4.90 \times 10^{-10}$
rs302101_G	G / A	0.02 (↑)	68%	$5.20 \times 10^{-10}$
rs1724298_T	T / T	-0.03 (↓)	89%	$7.10 \times 10^{-10}$
rs1560633_T	T / C	-0.02 (↓)	36%	$7.20 \times 10^{-10}$
rs11133474_C	C / C	-0.02 (↓)	66%	$7.20 \times 10^{-10}$
rs9972653_G	G / T	-0.02 (↓)	60%	$7.30 \times 10^{-10}$
rs10206992_T	T / G	0.02 (↑)	75%	$7.70 \times 10^{-10}$
rs78180894_G	G / G	0.04 (↑)	92%	$7.90 \times 10^{-10}$
rs4360494_G	G / C	-0.02 (↓)	45%	$8.20 \times 10^{-10}$
rs5860048_T	TTTTG / TTTTG	0.02 (-)	42%	$1.20 \times 10^{-9}$
rs528738_G	G / G	-0.04 (↓)	90%	$1.40 \times 10^{-9}$
rs142515902_A	A / G	0.10 (↑)	99%	$1.50 \times 10^{-9}$
rs3776221_A	A / A	0.02 (↑)	74%	$1.50 \times 10^{-9}$
rs34588551_C	C / T	-0.02 (↓)	63%	$1.70 \times 10^{-9}$
rs17598132_C	C / C	0.03 (↑)	87%	$1.80 \times 10^{-9}$
rs1323168_A	G / G	-0.03 (-)	12%	$1.90 \times 10^{-9}$
rs6870556_G	A / A	0.02 (-)	37%	$2.00 \times 10^{-9}$
rs58057291_T	T / T	0.02 (↑)	77%	$2.90 \times 10^{-9}$
rs4606077_C	T / T	0.02 (-)	49%	$2.90 \times 10^{-9}$
rs371350765_C	C / CA	0.02 (↑)	73%	$2.90 \times 10^{-9}$
rs12714415_T	T / T	0.03 (↑)	85%	$4.00 \times 10^{-9}$
rs13328356_C	C / T	0.02 (↑)	77%	$4.00 \times 10^{-9}$
rs174574_A	C / C	0.02 (-)	35%	$5.00 \times 10^{-9}$
rs111606224_C	C / C	-0.06 (↓)	96%	$5.60 \times 10^{-9}$
rs4818988_A	A / A	0.02 (↑)	49%	$5.80 \times 10^{-9}$
rs72635657_G	G / G	0.08 (↑)	99%	$6.00 \times 10^{-9}$
rs133441_A	A / A	-0.02 (↓)	76%	$6.70 \times 10^{-9}$
rs8023466_G	G / A	-0.03 (↓)	86%	$1.10 \times 10^{-8}$
rs7069328_G	G / C	0.02 (↑)	47%	$2.30 \times 10^{-8}$
rs633891_C	C / T	0.02 (↑)	56%	$2.80 \times 10^{-8}$
rs76243438_T	T / G	-0.04 (↓)	94%	$4.50 \times 10^{-8}$
rs4708620_T	T / C	0.02 (↑)	62%	$4.70 \times 10^{-8}$

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 compare your data with other users imputed data. To make the data comparable, we need to exclude some of the variants from your data.