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Height (Wood, 2014)

Andrew Wood, et al.
Nature Genetics

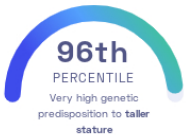
Appearance

Height is one of the most heritable traits. However, malnutrition during childhood can inhibit natural growth.

STUDY SUMMARY

Identification of 697 genetic variants associated with height in a study of over 250,000 individuals.

YOUR RESULT



STUDY DESCRIPTION

In the past 150 years, the average human's height has increased by around 4 inches. While environmental factors like nutrition have a strong influence on the growth of a human body, it is clear that height is a highly heritable trait. In fact, up to 80% of a person's height is thought to be genetically determined! However, height is a very complex trait that is influenced by many variants across the genome. To identify height-associated genetic variants, this study examined more than 250,000 individuals of European ancestry. The researchers discovered 697 genetic variants that are associated with height. Taken together, these variants explain ~ 16% of height differences observed between people. Some of the identified variants are near genes that are involved in bone and cartilage development.

DID YOU KNOW?

Starting around the age of 40, many people begin to lose height. This can be due to multiple factors, such as age-related spinal compression and disorders like osteoporosis. Exercise and healthy nutrition (including lots of calcium) can help maintain strong bones and muscles and limit height loss.

YOUR DETAILED RESULTS

To calculate your genetic predisposition to taller stature we summed up the effects of genetic variants that were linked to taller stature 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 taller stature. The variants highlighted in blue have **negative effects sizes** and decrease your genetic predisposition to taller stature. Variants that are not highlighted are not found in your genome and do not affect your genetic predisposition to taller stature. By adding up the effect sizes of the highlighted variants **we calculated your polygenic score for taller stature to be 0.98**. 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 taller stature is in the **96th percentile**. This means that it is higher than the polygenic scores 96% of people. We consider this to be a **very high genetic predisposition to taller stature**. 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
rs724016_A	G / G	-0.08 (–)	56%	1.10×10^{-156}
rs7692995_T	T / T	0.10 (↑)	84%	5.20×10^{-100}
rs3791679_A	A / A	0.08 (↑)	77%	1.30×10^{-96}
rs8756_A	C / C	-0.05 (–)	51%	1.30×10^{-71}
rs143384_A	G / A	-0.06 (↓)	60%	1.30×10^{-71}
rs798497_A	A / G	0.06 (↑)	70%	2.70×10^{-71}
rs3760318_A	G / G	-0.05 (–)	38%	2.30×10^{-69}
rs806794_A	A / A	0.06 (↑)	72%	7.80×10^{-69}
rs4896582_A	G / A	-0.05 (↓)	31%	6.90×10^{-68}
rs720390_A	G / A	0.07 (↑)	38%	8.80×10^{-68}
rs4369779_T	C / C	-0.06 (–)	22%	1.40×10^{-64}
rs3814333_T	T / T	0.05 (↑)	32%	1.90×10^{-63}
rs3825199_A	A / G	-0.05 (↓)	78%	1.90×10^{-63}
rs12214804_T	T / T	-0.09 (↓)	92%	1.60×10^{-62}
rs552707_T	C / C	0.05 (–)	29%	7.50×10^{-49}
rs2079795_T	T / C	0.04 (↑)	33%	8.60×10^{-48}
rs1155939_A	C / A	0.04 (↑)	50%	1.30×10^{-47}
rs9292468_T	T / C	0.05 (↑)	40%	4.80×10^{-46}
rs10859567_T	T / T	0.04 (↑)	56%	1.90×10^{-44}
rs9392918_T	T / C	-0.04 (↓)	52%	2.40×10^{-43}
rs17556750_A	C / C	0.04 (–)	31%	2.80×10^{-43}
rs314263_T	T / T	-0.04 (↓)	66%	3.10×10^{-43}
rs1074683_C	C / C	0.05 (↑)	76%	2.40×10^{-42}
rs4733724_A	A / A	0.05 (↑)	80%	2.60×10^{-42}
rs7701414_A	A / A	-0.04 (↓)	55%	4.90×10^{-42}
rs3811958_A	A / G	-0.05 (↓)	74%	5.00×10^{-42}
rs2284746_C	G / G	-0.04 (–)	47%	1.20×10^{-40}
rs42039_T	C / T	0.05 (↑)	25%	4.10×10^{-39}
rs1036821_A	G / G	-0.05 (–)	30%	2.80×10^{-38}
rs9428104_A	G / G	-0.04 (–)	24%	1.10×10^{-37}
rs7870753_A	A / A	-0.04 (↓)	78%	1.70×10^{-37}
rs7652177_C	C / G	-0.04 (↓)	49%	1.00×10^{-36}
rs2093210_T	C / T	-0.04 (↓)	59%	7.50×10^{-36}
rs12538407_A	A / A	0.04 (↑)	59%	1.00×10^{-35}
rs5742915_T	T / C	-0.04 (↓)	52%	1.20×10^{-34}
rs9650315_T	G / G	-0.06 (–)	14%	2.50×10^{-34}
rs2289195_A	G / G	0.04 (–)	42%	3.00×10^{-34}
rs3118905_A	G / G	-0.04 (–)	27%	1.60×10^{-33}

rs1884897_A	A / G	0.04 (↑)	37%	4.70×10^{-33}
rs9967417_C	C / C	-0.04 (↓)	56%	1.20×10^{-32}
rs991967_A	A / C	-0.04 (↓)	71%	4.10×10^{-32}
rs3800461_C	G / G	0.05 (-)	13%	6.90×10^{-32}
rs2871865_C	C / C	0.06 (↑)	88%	8.10×10^{-32}
rs4986172_T	C / C	-0.04 (-)	33%	1.60×10^{-31}
rs1367226_A	A / G	-0.04 (↓)	43%	4.70×10^{-30}
rs11049611_T	C / T	-0.04 (↓)	30%	6.30×10^{-30}
rs1812175_A	G / G	-0.05 (-)	16%	8.40×10^{-30}
rs4548838_T	T / T	0.03 (↑)	46%	9.10×10^{-30}
rs4735677_A	A / A	-0.04 (↓)	72%	1.20×10^{-29}
rs1535466_A	G / A	-0.04 (↓)	73%	1.80×10^{-29}
rs16942341_T	NA	-0.11 (-)	3%	3.00×10^{-29}
rs7033487_T	T / T	0.04 (↑)	80%	3.50×10^{-29}
rs10748128_T	G / G	0.04 (-)	32%	4.60×10^{-29}
rs10958476_T	T / T	-0.04 (↓)	83%	6.20×10^{-29}
rs7849585_T	G / G	0.04 (-)	32%	9.80×10^{-29}
rs4448343_A	A / A	-0.04 (↓)	66%	1.10×10^{-28}
rs2854207_C	C / G	-0.04 (↓)	72%	4.20×10^{-28}
rs526896_T	T / T	0.04 (↑)	74%	2.60×10^{-27}
rs961014_A	G / G	0.04 (-)	42%	3.90×10^{-27}
rs11880992_A	G / A	0.03 (↑)	42%	1.10×10^{-26}
rs7466269_A	A / G	0.03 (↑)	65%	1.70×10^{-26}
rs2974438_A	G / G	-0.04 (-)	20%	3.90×10^{-26}
rs16860216_A	G / G	-0.05 (-)	23%	5.20×10^{-26}
rs6439168_A	G / G	-0.04 (-)	22%	5.20×10^{-26}
rs2856321_A	G / A	-0.03 (↓)	65%	1.00×10^{-25}
rs11684404_T	T / T	-0.03 (↓)	66%	2.30×10^{-25}
rs6696239_A	G / G	-0.04 (-)	18%	2.80×10^{-25}
rs6894139_T	T / T	0.03 (↑)	56%	4.60×10^{-25}
rs1401795_A	A / A	0.03 (↑)	50%	5.00×10^{-25}
rs4337252_C	G / C	0.03 (↑)	50%	5.60×10^{-25}
rs9993613_T	T / G	0.03 (↑)	48%	7.80×10^{-25}
rs6714546_A	G / G	-0.04 (-)	24%	2.40×10^{-24}
rs181338_T	C / T	0.03 (↑)	50%	5.70×10^{-24}
rs11144688_A	G / G	-0.06 (-)	13%	5.90×10^{-24}
rs17450430_A	A / T	-0.03 (↓)	76%	6.20×10^{-24}
rs1681630_T	C / C	0.03 (-)	33%	1.20×10^{-23}
rs817300_A	G / G	-0.07 (-)	5%	2.20×10^{-23}
rs862034_A	G / G	-0.03 (-)	35%	2.60×10^{-23}
rs9217_T	C / C	-0.03 (-)	64%	4.40×10^{-23}
rs1815314_A	A / A	-0.04 (↓)	41%	5.50×10^{-23}
rs4974480_A	T / T	-0.04 (-)	32%	5.70×10^{-23}
rs606452_A	A / C	0.04 (↑)	14%	6.40×10^{-23}
rs9328445_T	C / C	-0.04 (-)	45%	6.60×10^{-23}
rs7043114_T	T / T	-0.03 (↓)	56%	1.30×10^{-22}
rs994533_C	G / C	-0.03 (↓)	32%	1.90×10^{-22}
rs1950500_T	C / C	0.03 (-)	29%	2.70×10^{-22}
rs9835332_C	C / C	-0.03 (↓)	46%	3.00×10^{-22}
rs1923367_C	G / G	-0.03 (-)	48%	3.20×10^{-22}
rs12330322_T	C / C	-0.03 (-)	22%	3.50×10^{-22}
rs2573625_T	T / T	0.03 (↑)	68%	3.70×10^{-22}
rs10770705_A	C / C	0.03 (-)	33%	4.80×10^{-22}
rs7740107_A	T / A	-0.03 (↓)	74%	5.10×10^{-22}
rs10948222_T	T / T	-0.03 (↓)	34%	8.70×10^{-22}
rs7980687_A	G / G	0.04 (-)	19%	1.30×10^{-21}
rs310421_T	G / T	0.03 (↑)	55%	1.40×10^{-21}
rs6902771_T	C / T	0.03 (↑)	46%	1.60×10^{-21}
rs7716219_T	T / C	0.03 (↑)	30%	2.50×10^{-21}
rs897080_T	C / T	-0.03 (↓)	76%	2.60×10^{-21}
rs2806561_A	A / A	0.03 (↑)	56%	2.70×10^{-21}

rs3807931_A	A / A	0.03 (↑)	45%	4.00×10^{-21}
rs2280470_A	A / G	0.03 (↑)	33%	5.50×10^{-21}
rs10780910_A	T / A	-0.03 (↓)	58%	6.20×10^{-21}
rs6600365_T	C / C	-0.03 (–)	57%	9.90×10^{-21}
rs4620037_A	A / A	0.04 (↑)	79%	9.90×10^{-21}
rs4803468_A	A / G	0.03 (↑)	41%	1.20×10^{-20}
rs9880211_A	G / A	-0.03 (↓)	24%	1.30×10^{-20}
rs7154721_T	T / T	0.03 (↑)	58%	1.30×10^{-20}
rs3020418_A	G / G	0.03 (–)	29%	1.70×10^{-20}
rs422421_T	C / C	-0.03 (–)	23%	1.70×10^{-20}
rs12474201_A	G / G	0.03 (–)	36%	1.70×10^{-20}
rs12209223_A	C / C	0.05 (–)	13%	1.90×10^{-20}
rs7027110_A	G / G	0.03 (–)	23%	2.30×10^{-20}
rs1582931_A	G / A	-0.03 (↓)	47%	2.70×10^{-20}
rs7731703_T	C / C	-0.03 (–)	32%	2.70×10^{-20}
rs12347744_T	C / C	-0.06 (–)	6%	2.80×10^{-20}
rs509035_A	G / A	0.03 (↑)	32%	3.00×10^{-20}
rs584828_T	C / C	-0.03 (–)	38%	3.30×10^{-20}
rs7733195_A	G / G	-0.03 (–)	35%	3.40×10^{-20}
rs7534365_T	T / T	-0.04 (↓)	84%	3.50×10^{-20}
rs12470505_T	T / T	0.05 (↑)	90%	4.00×10^{-20}
rs2074977_A	A / A	-0.03 (↓)	65%	4.60×10^{-20}
rs12639764_T	T / T	0.03 (↑)	62%	5.00×10^{-20}
rs2278483_T	C / C	0.03 (–)	23%	6.50×10^{-20}
rs1047014_T	T / T	-0.03 (↓)	74%	7.50×10^{-20}
rs6955948_T	C / T	0.03 (↑)	29%	8.80×10^{-20}
rs6577717_T	T / T	0.04 (↑)	66%	9.90×10^{-20}
rs1659127_A	G / A	0.03 (↑)	32%	1.20×10^{-19}
rs10990303_T	C / C	0.03 (–)	21%	1.40×10^{-19}
rs6974574_A	A / T	-0.03 (↓)	34%	2.30×10^{-19}
rs7551732_A	T / T	0.03 (–)	60%	2.50×10^{-19}
rs227724_A	A / T	-0.03 (↓)	66%	3.70×10^{-19}
rs301901_A	A / A	0.03 (↑)	56%	4.50×10^{-19}
rs13177718_T	C / C	-0.05 (–)	8%	5.40×10^{-19}
rs6920372_A	G / G	-0.03 (–)	42%	5.70×10^{-19}
rs11648796_A	A / G	-0.03 (↓)	78%	7.70×10^{-19}
rs2888877_T	C / C	0.04 (–)	20%	8.00×10^{-19}
rs2421992_T	T / T	0.03 (↑)	71%	9.40×10^{-19}
rs822531_T	C / T	0.04 (↑)	78%	1.10×10^{-18}
rs2597513_T	T / T	-0.04 (↓)	90%	1.10×10^{-18}
rs1325596_A	G / A	0.03 (↑)	56%	2.10×10^{-18}
rs648831_T	T / T	0.03 (↑)	51%	3.90×10^{-18}
rs2413143_T	C / T	-0.04 (↓)	15%	5.00×10^{-18}
rs7971536_A	A / A	-0.03 (↓)	46%	5.00×10^{-18}
rs291979_A	G / G	0.03 (–)	23%	5.50×10^{-18}
rs4072910_C	G / G	-0.03 (–)	46%	9.90×10^{-18}
rs6879260_T	T / C	-0.03 (↓)	39%	1.10×10^{-17}
rs2390151_T	G / G	0.03 (–)	18%	1.10×10^{-17}
rs3958122_T	C / T	0.03 (↑)	34%	1.20×10^{-17}
rs12779328_T	C / T	-0.03 (↓)	28%	1.50×10^{-17}
rs2237886_T	C / C	0.04 (–)	10%	1.60×10^{-17}
rs6540834_T	C / C	-0.03 (–)	38%	1.70×10^{-17}
rs2956605_A	A / C	0.03 (↑)	39%	1.70×10^{-17}
rs2028067_T	T / C	-0.03 (↓)	83%	2.00×10^{-17}
rs17511102_A	A / A	-0.05 (↓)	91%	2.80×10^{-17}
rs16859517_T	NA	0.07 (–)	4%	3.20×10^{-17}
rs2425163_A	A / G	-0.04 (↓)	82%	3.40×10^{-17}
rs10152591_A	A / A	0.04 (↑)	90%	3.70×10^{-17}
rs564914_A	A / T	-0.03 (↓)	61%	4.10×10^{-17}
rs7899004_T	T / C	0.02 (↑)	58%	4.30×10^{-17}
rs763318_A	G / A	-0.03 (↓)	46%	4.40×10^{-17}

rs4652773_A	A / G	0.02 (↑)	46%	4.40×10^{-17}
rs425277_T	C / C	0.03 (–)	29%	4.80×10^{-17}
rs39623_A	T / T	0.04 (–)	8%	7.20×10^{-17}
rs975210_A	G / G	0.03 (–)	18%	7.90×10^{-17}
rs8052560_A	C / A	0.04 (↑)	77%	8.40×10^{-17}
rs2013265_T	C / C	-0.03 (–)	25%	9.20×10^{-17}
rs7605699_C	G / C	-0.03 (↓)	19%	9.30×10^{-17}
rs1233627_T	C / C	0.02 (–)	51%	1.00×10^{-16}
rs2338115_T	C / T	0.02 (↑)	55%	1.10×10^{-16}
rs10119624_A	G / A	0.03 (↑)	68%	1.20×10^{-16}
rs2306694_A	G / G	-0.05 (–)	93%	1.20×10^{-16}
rs4246302_A	A / G	-0.03 (↓)	70%	1.40×10^{-16}
rs6761041_T	T / C	0.02 (↑)	55%	1.70×10^{-16}
rs4812586_A	A / A	0.03 (↑)	85%	1.70×10^{-16}
rs1415701_A	G / A	-0.03 (↓)	27%	2.50×10^{-16}
rs8180991_C	C / C	0.03 (↑)	77%	2.80×10^{-16}
rs8073371_T	C / T	-0.03 (↓)	21%	2.80×10^{-16}
rs955748_A	A / G	-0.03 (↓)	24%	4.80×10^{-16}
rs17081935_T	C / C	0.03 (–)	19%	5.00×10^{-16}
rs7745166_A	A / A	-0.03 (↓)	41%	5.10×10^{-16}
rs4273857_A	A / G	0.03 (↑)	23%	6.10×10^{-16}
rs2581830_T	C / C	0.03 (–)	40%	7.60×10^{-16}
rs7162542_C	C / G	-0.03 (↓)	44%	7.70×10^{-16}
rs3790086_C	C / G	0.02 (↑)	55%	9.80×10^{-16}
rs3782089_T	NA	-0.05 (–)	3%	1.00×10^{-15}
rs4332428_A	A / G	0.04 (↑)	88%	1.10×10^{-15}
rs2302580_T	C / T	-0.03 (↓)	45%	1.20×10^{-15}
rs891088_A	G / G	-0.03 (–)	74%	1.30×10^{-15}
rs1329393_T	C / T	0.04 (↑)	17%	1.40×10^{-15}
rs7126398_C	G / G	0.05 (–)	5%	1.70×10^{-15}
rs11867479_T	T / T	0.03 (↑)	36%	2.00×10^{-15}
rs11633371_T	G / T	0.02 (↑)	48%	2.10×10^{-15}
rs10883563_A	C / A	0.02 (↑)	55%	3.20×10^{-15}
rs318095_T	C / C	0.02 (–)	46%	3.30×10^{-15}
rs749052_T	T / T	0.05 (↑)	94%	3.50×10^{-15}
rs9816693_C	G / G	0.03 (–)	17%	3.60×10^{-15}
rs7319045_A	A / G	0.02 (↑)	38%	3.70×10^{-15}
rs8006657_A	G / G	-0.02 (–)	38%	3.70×10^{-15}
rs1562975_A	G / A	0.03 (↑)	31%	4.00×10^{-15}
rs2377058_A	A / A	-0.03 (↓)	67%	4.10×10^{-15}
rs6903448_T	C / T	-0.03 (↓)	15%	4.40×10^{-15}
rs10843390_T	C / C	0.03 (–)	29%	4.80×10^{-15}
rs2857693_T	G / T	-0.03 (↓)	39%	5.00×10^{-15}
rs2834442_A	T / A	0.02 (↑)	66%	5.70×10^{-15}
rs4601530_T	C / T	-0.03 (↓)	25%	5.90×10^{-15}
rs1265097_A	C / A	-0.04 (↓)	10%	6.50×10^{-15}
rs7853235_T	C / C	0.03 (–)	20%	8.80×10^{-15}
rs13088462_T	T / T	-0.05 (↓)	93%	1.10×10^{-14}
rs6594336_T	T / T	-0.02 (↓)	44%	1.20×10^{-14}
rs4428898_A	G / G	-0.02 (–)	47%	1.20×10^{-14}
rs7561273_A	A / G	-0.02 (↓)	46%	1.30×10^{-14}
rs6457374_T	C / T	-0.03 (↓)	74%	1.50×10^{-14}
rs3767627_T	C / C	0.03 (–)	86%	1.60×10^{-14}
rs10767838_A	A / A	0.03 (↑)	74%	1.80×10^{-14}
rs12204421_A	A / A	0.03 (↑)	75%	1.90×10^{-14}
rs2070776_A	G / G	-0.03 (–)	35%	2.00×10^{-14}
rs16895130_A	A / G	-0.03 (↓)	72%	2.00×10^{-14}
rs6485978_T	C / C	-0.02 (–)	54%	2.10×10^{-14}
rs632124_A	T / T	0.02 (–)	43%	2.20×10^{-14}
rs7112925_T	C / C	-0.02 (–)	36%	2.60×10^{-14}
rs17792664_C	C / C	-0.03 (↓)	86%	2.80×10^{-14}

rs3923086_A	C / C	-0.03 (–)	39%	2.80 x 10^{-14}
rs1550162_A	A / A	-0.02 (↓)	72%	2.90 x 10^{-14}
rs12882130_C	C / C	0.02 (↑)	63%	2.90 x 10^{-14}
rs11221442_C	G / G	-0.03 (–)	23%	3.00 x 10^{-14}
rs1935157_C	C / G	-0.02 (↓)	71%	3.10 x 10^{-14}
rs757081_C	C / C	-0.02 (↓)	67%	3.20 x 10^{-14}
rs11880124_A	A / A	0.04 (↑)	92%	4.00 x 10^{-14}
rs17391694_T	C / T	0.04 (↑)	13%	4.00 x 10^{-14}
rs1599473_T	G / T	-0.03 (↓)	26%	4.10 x 10^{-14}
rs1405212_T	T / C	-0.02 (↓)	41%	4.60 x 10^{-14}
rs17603945_A	G / G	0.03 (–)	19%	4.60 x 10^{-14}
rs17721822_A	G / G	-0.02 (–)	37%	5.90 x 10^{-14}
rs4640244_A	G / G	0.03 (–)	63%	6.60 x 10^{-14}
rs3014219_A	A / A	-0.02 (↓)	46%	6.60 x 10^{-14}
rs991946_T	T / T	-0.02 (↓)	48%	6.80 x 10^{-14}
rs3885668_T	C / C	-0.02 (–)	56%	6.90 x 10^{-14}
rs6733349_T	T / C	0.02 (↑)	67%	7.10 x 10^{-14}
rs12411277_A	G / G	-0.02 (–)	36%	7.80 x 10^{-14}
rs2305833_C	C / C	0.02 (↑)	57%	7.80 x 10^{-14}
rs6441170_T	T / C	-0.02 (↓)	62%	8.60 x 10^{-14}
rs6921207_A	G / G	0.02 (–)	36%	8.90 x 10^{-14}
rs7517682_A	G / A	-0.02 (↓)	57%	9.20 x 10^{-14}
rs1257763_A	NA	0.07 (–)	4%	9.40 x 10^{-14}
rs1326023_A	A / G	0.02 (↑)	30%	9.80 x 10^{-14}
rs12344396_C	C / C	0.02 (↑)	63%	1.10 x 10^{-13}
rs389663_T	T / C	0.02 (↑)	33%	1.30 x 10^{-13}
rs9456307_A	T / T	-0.05 (–)	6%	1.30 x 10^{-13}
rs7568069_A	G / A	-0.02 (↓)	57%	1.40 x 10^{-13}
rs1753637_T	T / G	0.03 (↑)	30%	1.50 x 10^{-13}
rs2072153_C	G / C	0.02 (↑)	31%	1.50 x 10^{-13}
rs12904334_A	NA	0.09 (–)	2%	1.50 x 10^{-13}
rs3809790_T	T / T	-0.02 (↓)	47%	1.50 x 10^{-13}
rs9889755_T	C / C	0.04 (–)	11%	1.50 x 10^{-13}
rs7177711_A	A / A	0.02 (↑)	56%	1.60 x 10^{-13}
rs9404952_A	A / A	0.02 (↑)	43%	1.80 x 10^{-13}
rs2211866_A	G / G	0.02 (–)	40%	1.90 x 10^{-13}
rs6694089_A	G / G	0.03 (–)	30%	2.00 x 10^{-13}
rs11659752_T	T / G	0.03 (↑)	72%	2.10 x 10^{-13}
rs2300921_T	T / T	-0.02 (↓)	57%	2.10 x 10^{-13}
rs1864439_T	T / T	0.04 (↑)	89%	2.40 x 10^{-13}
rs1190545_C	G / C	0.02 (↑)	74%	2.40 x 10^{-13}
rs1980850_A	G / G	-0.03 (–)	17%	2.40 x 10^{-13}
rs4246079_A	G / G	-0.04 (–)	12%	2.40 x 10^{-13}
rs9766_A	A / A	0.02 (↑)	53%	2.40 x 10^{-13}
rs3812591_T	T / T	-0.02 (↓)	72%	2.70 x 10^{-13}
rs26868_A	T / A	0.03 (↑)	46%	2.70 x 10^{-13}
rs1809889_T	C / C	0.03 (–)	29%	2.80 x 10^{-13}
rs10877030_T	T / G	0.02 (↑)	68%	2.80 x 10^{-13}
rs1658351_T	T / T	-0.02 (↓)	65%	3.10 x 10^{-13}
rs2811594_A	A / G	-0.02 (↓)	38%	3.10 x 10^{-13}
rs9409082_T	C / C	-0.03 (–)	24%	3.30 x 10^{-13}
rs17807185_A	A / A	-0.02 (↓)	61%	3.30 x 10^{-13}
rs3812040_T	T / C	0.02 (↑)	74%	3.50 x 10^{-13}
rs17163588_T	C / C	0.03 (–)	18%	3.70 x 10^{-13}
rs7567288_T	T / C	-0.03 (↓)	82%	3.80 x 10^{-13}
rs26024_A	A / A	-0.02 (↓)	64%	3.90 x 10^{-13}
rs11687941_C	C / G	0.03 (↑)	76%	4.00 x 10^{-13}
rs34651_T	T / T	-0.04 (↓)	92%	4.20 x 10^{-13}
rs11599750_T	T / T	-0.02 (↓)	40%	4.70 x 10^{-13}
rs6899744_T	NA	-0.10 (–)	2%	5.50 x 10^{-13}
rs10131337_T	C / C	0.03 (–)	22%	5.60 x 10^{-13}

rs989393_T	T / C	0.02 (↑)	71%	5.80 x 10^{-13}
rs540652_T	C / T	0.02 (↑)	46%	6.20 x 10^{-13}
rs2123731_A	A / G	0.03 (↑)	73%	6.80 x 10^{-13}
rs711245_A	G / G	-0.02 (–)	34%	7.20 x 10^{-13}
rs13078528_A	A / A	0.05 (↑)	95%	7.40 x 10^{-13}
rs2687950_T	T / T	0.03 (↑)	26%	7.40 x 10^{-13}
rs3957165_T	T / T	0.03 (↑)	81%	8.30 x 10^{-13}
rs1529701_T	C / C	-0.02 (–)	31%	8.50 x 10^{-13}
rs10863936_A	G / A	-0.02 (↓)	52%	9.00 x 10^{-13}
rs11152213_A	A / C	-0.03 (↓)	77%	9.20 x 10^{-13}
rs6751657_T	T / C	-0.02 (↓)	48%	9.40 x 10^{-13}
rs316618_A	T / T	-0.03 (–)	24%	9.80 x 10^{-13}
rs12120956_A	G / G	-0.03 (–)	22%	9.90 x 10^{-13}
rs12855_T	C / T	0.04 (↑)	9%	1.00 x 10^{-12}
rs4686904_T	C / T	-0.02 (↓)	65%	1.00 x 10^{-12}
rs3812423_C	G / G	-0.02 (–)	36%	1.10 x 10^{-12}
rs10880969_T	T / C	-0.02 (↓)	28%	1.10 x 10^{-12}
rs4834927_A	A / A	-0.02 (↓)	66%	1.20 x 10^{-12}
rs10790381_A	A / A	0.03 (↑)	84%	1.20 x 10^{-12}
rs6845999_T	C / C	0.02 (–)	44%	1.30 x 10^{-12}
rs12987566_T	C / C	0.02 (–)	27%	1.40 x 10^{-12}
rs16834765_T	C / C	0.04 (–)	6%	1.40 x 10^{-12}
rs2631676_A	A / A	-0.03 (↓)	80%	1.50 x 10^{-12}
rs17369123_T	C / T	0.03 (↑)	18%	1.80 x 10^{-12}
rs354196_A	G / G	-0.02 (–)	47%	1.90 x 10^{-12}
rs7567851_C	G / G	0.04 (–)	8%	2.20 x 10^{-12}
rs2378870_T	T / T	0.02 (↑)	37%	2.40 x 10^{-12}
rs12323101_A	A / A	0.02 (↑)	36%	2.40 x 10^{-12}
rs1546391_C	C / C	-0.04 (↓)	93%	2.50 x 10^{-12}
rs6919534_A	A / A	0.03 (↑)	87%	2.60 x 10^{-12}
rs2510396_C	C / C	0.03 (↑)	85%	2.60 x 10^{-12}
rs12125882_A	A / A	-0.03 (↓)	56%	2.60 x 10^{-12}
rs3828760_T	C / C	0.03 (–)	13%	2.90 x 10^{-12}
rs2781373_A	G / A	-0.02 (↓)	37%	2.90 x 10^{-12}
rs7273787_A	A / A	-0.02 (↓)	66%	3.00 x 10^{-12}
rs12926008_T	C / C	-0.02 (–)	33%	3.00 x 10^{-12}
rs2257011_T	G / T	0.03 (↑)	50%	3.30 x 10^{-12}
rs33852_A	A / A	-0.02 (↓)	67%	3.40 x 10^{-12}
rs902143_T	C / C	0.02 (–)	46%	3.80 x 10^{-12}
rs17032525_A	G / G	0.03 (–)	14%	3.90 x 10^{-12}
rs10794175_T	T / T	0.02 (↑)	43%	4.00 x 10^{-12}
rs11047239_C	C / G	-0.02 (↓)	70%	4.10 x 10^{-12}
rs6988484_T	T / T	-0.02 (↓)	74%	4.20 x 10^{-12}
rs17806888_T	T / T	0.03 (↑)	89%	4.30 x 10^{-12}
rs212524_T	T / C	-0.02 (↓)	41%	4.70 x 10^{-12}
rs6949739_A	T / T	-0.04 (–)	8%	4.80 x 10^{-12}
rs4901537_C	G / C	-0.03 (↓)	76%	4.90 x 10^{-12}
rs8103068_T	T / C	0.03 (↑)	91%	5.00 x 10^{-12}
rs8102380_A	A / A	-0.02 (↓)	68%	5.90 x 10^{-12}
rs12186664_A	A / A	-0.02 (↓)	68%	6.00 x 10^{-12}
rs1625895_T	T / C	-0.03 (↓)	12%	6.30 x 10^{-12}
rs9443804_A	A / A	-0.02 (↓)	57%	6.40 x 10^{-12}
rs8017130_A	G / G	-0.02 (–)	31%	6.50 x 10^{-12}
rs7659107_A	A / A	-0.02 (↓)	78%	6.60 x 10^{-12}
rs1742829_A	A / A	-0.04 (↓)	92%	6.70 x 10^{-12}
rs2240919_C	C / C	0.02 (↑)	67%	7.20 x 10^{-12}
rs4656220_T	C / C	0.02 (–)	39%	7.50 x 10^{-12}
rs780094_T	T / C	-0.02 (↓)	39%	7.50 x 10^{-12}
rs11745439_A	G / G	-0.02 (–)	27%	7.90 x 10^{-12}
rs6838153_A	A / A	-0.02 (↓)	68%	7.90 x 10^{-12}
rs11175992_A	T / A	-0.03 (↓)	25%	8.40 x 10^{-12}

rs94434723_A	G / G	0.03 (–)	15%	8.60×10^{-12}
rs1832871_A	G / G	0.02 (–)	34%	9.20×10^{-12}
rs4240326_A	G / G	0.02 (–)	46%	9.80×10^{-12}
rs13006748_C	G / G	0.02 (–)	27%	1.00×10^{-11}
rs932445_T	T / C	0.02 (↑)	59%	1.10×10^{-11}
rs568610_T	C / C	0.02 (–)	24%	1.20×10^{-11}
rs4320932_T	T / C	0.03 (↑)	85%	1.30×10^{-11}
rs1996422_A	G / G	-0.02 (–)	73%	1.30×10^{-11}
rs7069985_A	A / G	-0.02 (↓)	77%	1.30×10^{-11}
rs4425077_C	G / G	-0.02 (–)	59%	1.40×10^{-11}
rs2662027_T	G / G	-0.03 (–)	10%	1.40×10^{-11}
rs4239020_T	C / T	-0.02 (↓)	68%	1.50×10^{-11}
rs17574650_A	A / C	-0.04 (↓)	90%	1.50×10^{-11}
rs479744_T	G / G	-0.02 (–)	21%	1.50×10^{-11}
rs6561319_A	A / A	0.02 (↑)	64%	1.50×10^{-11}
rs3739707_A	C / C	-0.02 (–)	25%	1.60×10^{-11}
rs1341278_T	T / T	-0.04 (↓)	94%	1.60×10^{-11}
rs2072268_A	G / A	-0.02 (↓)	52%	1.70×10^{-11}
rs11677466_A	A / A	-0.04 (↓)	91%	1.70×10^{-11}
rs2145357_A	A / G	-0.02 (↓)	74%	1.70×10^{-11}
rs3129254_A	A / G	0.02 (↑)	60%	1.70×10^{-11}
rs2306596_A	A / A	0.02 (↑)	55%	1.80×10^{-11}
rs6420435_A	C / C	0.03 (–)	22%	1.80×10^{-11}
rs7834383_T	G / G	0.02 (–)	35%	1.90×10^{-11}
rs7727731_T	C / C	0.03 (–)	10%	2.10×10^{-11}
rs17349981_A	A / T	0.03 (↑)	86%	2.40×10^{-11}
rs7985356_A	T / A	-0.02 (↓)	23%	2.50×10^{-11}
rs13393800_A	G / A	0.02 (↑)	29%	2.70×10^{-11}
rs12458127_T	C / C	-0.04 (–)	6%	2.70×10^{-11}
rs165189_A	A / A	-0.03 (↓)	86%	2.70×10^{-11}
rs4868126_T	T / G	-0.03 (↓)	40%	2.80×10^{-11}
rs1036477_A	A / G	0.03 (↑)	90%	2.80×10^{-11}
rs2149163_C	G / G	0.02 (–)	40%	2.90×10^{-11}
rs4802134_A	A / G	0.03 (↑)	19%	2.90×10^{-11}
rs10152739_A	A / A	-0.02 (↓)	75%	3.10×10^{-11}
rs567401_T	C / C	0.03 (–)	17%	3.10×10^{-11}
rs8067165_C	C / G	-0.02 (↓)	39%	3.40×10^{-11}
rs3763631_C	C / G	0.02 (↑)	70%	3.40×10^{-11}
rs10495098_T	G / T	0.02 (↑)	41%	3.60×10^{-11}
rs12435366_T	C / T	-0.02 (↓)	28%	3.70×10^{-11}
rs4953951_T	C / C	-0.04 (–)	9%	4.30×10^{-11}
rs17088184_C	C / G	-0.03 (↓)	83%	4.50×10^{-11}
rs32855_A	G / G	0.02 (–)	79%	4.50×10^{-11}
rs4357716_T	C / C	0.03 (–)	14%	5.10×10^{-11}
rs6085662_C	G / C	0.02 (↑)	36%	5.20×10^{-11}
rs2509133_T	T / C	-0.02 (↓)	47%	5.30×10^{-11}
rs7774834_A	A / A	0.02 (↑)	51%	5.50×10^{-11}
rs12693589_T	T / T	-0.02 (↓)	76%	5.50×10^{-11}
rs2044124_T	C / C	0.04 (–)	6%	6.00×10^{-11}
rs8058684_A	G / G	0.02 (–)	31%	6.40×10^{-11}
rs429433_A	NA	0.05 (–)	4%	6.70×10^{-11}
rs17122659_A	A / A	-0.03 (↓)	89%	6.80×10^{-11}
rs2298265_T	C / C	-0.03 (–)	12%	6.90×10^{-11}
rs7823327_T	G / T	0.02 (↑)	49%	7.00×10^{-11}
rs12055154_A	A / A	0.07 (↑)	97%	7.80×10^{-11}
rs11107062_T	T / T	0.03 (↑)	20%	7.80×10^{-11}
rs9858528_A	A / A	0.02 (↑)	73%	8.50×10^{-11}
rs2166898_A	G / G	-0.03 (–)	16%	8.70×10^{-11}
rs12119525_A	T / T	0.02 (–)	35%	9.30×10^{-11}
rs6962887_T	T / G	0.02 (↑)	69%	9.60×10^{-11}
rs12153391_A	C / C	-0.02 (–)	24%	1.00×10^{-10}
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

rs11113766_A	G / A	-0.03 (↓)	18%	1.10 x 10^{-10}
rs4875421_A	A / A	-0.02 (↓)	56%	1.10 x 10^{-10}
rs17038954_T	C / C	0.04 (-)	7%	1.10 x 10^{-10}
rs9395264_T	G / G	-0.02 (-)	31%	1.10 x 10^{-10}
rs9977276_T	G / G	-0.02 (-)	22%	1.30 x 10^{-10}
rs8097893_A	A / A	0.04 (↑)	96%	1.30 x 10^{-10}
rs12820411_C	G / C	-0.02 (↓)	31%	1.30 x 10^{-10}
rs17264185_A	A / A	-0.02 (↓)	74%	1.30 x 10^{-10}
rs6999671_A	NA	0.06 (-)	3%	1.40 x 10^{-10}
rs11855014_A	G / G	-0.02 (-)	30%	1.40 x 10^{-10}
rs1348002_C	G / C	0.02 (↑)	32%	1.50 x 10^{-10}
rs915506_A	G / A	-0.02 (↓)	36%	1.50 x 10^{-10}
rs4725061_A	A / A	-0.02 (↓)	56%	1.50 x 10^{-10}
rs738288_A	G / G	-0.02 (-)	54%	1.50 x 10^{-10}
rs956796_A	G / G	-0.03 (-)	10%	1.70 x 10^{-10}
rs4883972_C	C / C	0.02 (↑)	55%	1.70 x 10^{-10}
rs6061231_A	C / A	-0.02 (↓)	28%	1.70 x 10^{-10}
rs2763273_T	C / C	-0.02 (-)	22%	1.80 x 10^{-10}
rs4624820_A	G / A	0.02 (↑)	53%	1.80 x 10^{-10}
rs11618507_T	G / T	0.02 (↑)	22%	1.80 x 10^{-10}
rs3791673_A	NA	-0.05 (-)	4%	1.90 x 10^{-10}
rs1533269_A	C / A	-0.02 (↓)	28%	1.90 x 10^{-10}
rs929637_T	G / T	-0.02 (↓)	22%	1.90 x 10^{-10}
rs16939034_T	C / C	0.04 (-)	8%	1.90 x 10^{-10}
rs1552173_T	C / T	-0.02 (↓)	55%	2.00 x 10^{-10}
rs2117563_A	G / G	-0.03 (-)	17%	2.10 x 10^{-10}
rs217181_T	C / C	0.02 (-)	19%	2.20 x 10^{-10}
rs7712162_T	C / T	0.02 (↑)	18%	2.20 x 10^{-10}
rs692964_A	G / A	-0.02 (↓)	62%	2.30 x 10^{-10}
rs6435143_A	A / C	0.02 (↑)	45%	2.40 x 10^{-10}
rs7181724_A	A / A	-0.02 (↓)	49%	2.40 x 10^{-10}
rs10283100_A	NA	-0.05 (-)	3%	2.50 x 10^{-10}
rs497273_C	G / G	0.02 (-)	35%	2.80 x 10^{-10}
rs960006_T	T / C	-0.02 (↓)	53%	3.00 x 10^{-10}
rs2219320_T	T / T	0.02 (↑)	75%	3.00 x 10^{-10}
rs12519505_T	C / C	-0.02 (-)	23%	3.20 x 10^{-10}
rs9309101_A	A / G	-0.02 (↓)	66%	3.30 x 10^{-10}
rs2345835_T	T / C	-0.02 (↓)	45%	3.40 x 10^{-10}
rs10997979_A	G / G	-0.02 (-)	51%	3.50 x 10^{-10}
rs8103992_A	C / C	0.02 (-)	20%	3.60 x 10^{-10}
rs6971575_C	C / G	0.02 (↑)	29%	3.60 x 10^{-10}
rs4325879_T	C / T	-0.02 (↓)	27%	3.70 x 10^{-10}
rs1461503_A	C / C	-0.02 (-)	43%	3.70 x 10^{-10}
rs11612228_T	C / T	0.02 (↑)	39%	3.70 x 10^{-10}
rs782930_A	G / G	-0.02 (-)	33%	4.00 x 10^{-10}
rs867245_C	C / C	0.04 (↑)	94%	4.00 x 10^{-10}
rs2679184_T	T / T	0.03 (↑)	75%	4.10 x 10^{-10}
rs11750568_A	G / G	0.02 (-)	33%	4.20 x 10^{-10}
rs13133465_C	C / C	0.04 (↑)	95%	4.20 x 10^{-10}
rs4141885_A	A / A	0.05 (↑)	97%	4.20 x 10^{-10}
rs9825951_A	T / A	-0.02 (↓)	65%	4.20 x 10^{-10}
rs2682587_A	C / C	0.02 (-)	19%	4.30 x 10^{-10}
rs2326458_A	A / A	-0.02 (↓)	75%	4.50 x 10^{-10}
rs6691924_T	T / T	0.03 (↑)	91%	4.70 x 10^{-10}
rs6137287_T	T / T	0.02 (↑)	29%	4.80 x 10^{-10}
rs2057291_A	A / A	0.02 (↑)	34%	4.90 x 10^{-10}
rs7261425_C	C / G	0.02 (↑)	72%	5.10 x 10^{-10}
rs4326884_A	A / A	0.02 (↑)	51%	5.10 x 10^{-10}
rs1861908_C	G / G	0.03 (-)	19%	5.10 x 10^{-10}
rs6658763_T	C / C	-0.03 (-)	8%	5.10 x 10^{-10}
rs3802758_A	A / A	0.04 (↑)	92%	5.10 x 10^{-10}
rs8040404_T	C / C	0.02 (-)	24%	5.40 x 10^{-10}

rs17783015_T	C / C	-0.03 (–)	15%	5.20×10^{-10}
rs1244981_A	A / A	0.03 (↑)	84%	5.30×10^{-10}
rs11783655_A	T / T	-0.02 (–)	39%	5.40×10^{-10}
rs11156098_T	C / C	0.03 (–)	12%	5.40×10^{-10}
rs12863103_T	C / T	-0.02 (↓)	28%	5.50×10^{-10}
rs10779751_A	A / G	0.02 (↑)	29%	5.80×10^{-10}
rs761391_T	T / T	-0.02 (↓)	53%	6.10×10^{-10}
rs9841435_A	A / G	-0.02 (↓)	68%	6.20×10^{-10}
rs7253628_A	A / A	-0.02 (↓)	84%	6.20×10^{-10}
rs16994718_T	C / C	-0.03 (–)	13%	6.90×10^{-10}
rs11799609_T	G / G	0.03 (–)	15%	7.00×10^{-10}
rs4843367_T	C / T	-0.02 (↓)	34%	7.10×10^{-10}
rs17499117_A	A / A	-0.13 (↓)	> 99%	7.70×10^{-10}
rs2164968_T	T / C	-0.02 (↓)	63%	7.70×10^{-10}
rs12533079_T	T / T	0.02 (↑)	80%	7.80×10^{-10}
rs926438_T	C / T	0.02 (↑)	55%	8.00×10^{-10}
rs6544089_T	C / C	0.02 (–)	37%	8.10×10^{-10}
rs17181956_T	C / C	-0.03 (–)	14%	8.30×10^{-10}
rs2120335_A	G / A	-0.02 (↓)	40%	8.40×10^{-10}
rs17250196_T	G / G	0.04 (–)	6%	8.70×10^{-10}
rs129963_T	T / C	-0.02 (↓)	41%	9.20×10^{-10}
rs731874_A	G / G	0.02 (–)	28%	9.20×10^{-10}
rs9291926_T	T / G	0.02 (↑)	51%	9.30×10^{-10}
rs1797625_A	A / A	-0.02 (↓)	65%	1.10×10^{-9}
rs6952113_A	A / A	-0.02 (↓)	39%	1.10×10^{-9}
rs6754426_A	A / A	-0.02 (↓)	42%	1.10×10^{-9}
rs1409156_A	A / A	-0.02 (↓)	65%	1.10×10^{-9}
rs7544462_A	A / A	0.03 (↑)	92%	1.10×10^{-9}
rs2961830_A	A / A	0.02 (↑)	35%	1.10×10^{-9}
rs2715094_A	G / A	-0.02 (↓)	76%	1.20×10^{-9}
rs13150868_T	G / G	0.02 (–)	44%	1.20×10^{-9}
rs6584575_A	G / A	0.03 (↑)	11%	1.20×10^{-9}
rs2596831_C	G / C	-0.02 (↓)	43%	1.20×10^{-9}
rs11616380_T	G / G	0.02 (–)	28%	1.20×10^{-9}
rs1478610_A	G / A	0.03 (↑)	40%	1.30×10^{-9}
rs11634405_A	G / G	0.02 (–)	37%	1.30×10^{-9}
rs1053996_T	T / T	-0.02 (↓)	58%	1.30×10^{-9}
rs209918_A	A / G	0.02 (↑)	78%	1.40×10^{-9}
rs10492364_T	T / T	0.02 (↑)	28%	1.40×10^{-9}
rs2099745_A	G / G	-0.04 (–)	6%	1.50×10^{-9}
rs3927536_T	T / T	0.02 (↑)	78%	1.50×10^{-9}
rs1614303_T	G / T	0.02 (↑)	82%	1.50×10^{-9}
rs2014467_T	T / C	-0.02 (↓)	67%	1.60×10^{-9}
rs2238300_A	G / A	-0.02 (↓)	39%	1.60×10^{-9}
rs992157_A	G / G	0.02 (–)	56%	1.60×10^{-9}
rs199515_C	G / G	0.02 (–)	80%	1.60×10^{-9}
rs7259684_A	A / G	-0.04 (↓)	92%	1.70×10^{-9}
rs1055144_T	C / T	0.02 (↑)	19%	1.80×10^{-9}
rs4605213_C	G / G	0.02 (–)	34%	2.00×10^{-9}
rs2046158_T	T / T	-0.02 (↓)	16%	2.00×10^{-9}
rs4350272_A	A / G	0.02 (↑)	29%	2.00×10^{-9}
rs7654571_A	A / A	0.02 (↑)	24%	2.10×10^{-9}
rs11722554_A	NA	-0.06 (–)	2%	2.10×10^{-9}
rs11640018_T	T / C	-0.02 (↓)	64%	2.10×10^{-9}
rs4344931_A	C / C	-0.02 (–)	29%	2.10×10^{-9}
rs4895801_C	C / C	-0.02 (↓)	55%	2.10×10^{-9}
rs10401193_A	A / G	0.02 (↑)	81%	2.20×10^{-9}
rs2748483_A	A / A	0.02 (↑)	56%	2.40×10^{-9}
rs13388725_A	A / A	-0.02 (↓)	59%	2.40×10^{-9}
rs3116168_T	C / C	-0.02 (–)	28%	2.40×10^{-9}
rs2915404_T	T / T	0.02 (↑)	41%	2.60×10^{-9}

rs3817428_C	C / C	0.02 (↑)	73%	2.60×10^{-9}
rs12871822_T	T / G	-0.02 (↓)	65%	2.70×10^{-9}
rs958225_A	T / T	0.05 (–)	6%	2.80×10^{-9}
rs273945_A	A / A	-0.02 (↓)	41%	2.90×10^{-9}
rs11661645_A	G / G	0.02 (–)	30%	2.90×10^{-9}
rs13183624_A	A / G	-0.03 (↓)	77%	3.00×10^{-9}
rs4713902_T	T / T	0.02 (↑)	72%	3.20×10^{-9}
rs894343_A	G / G	0.03 (–)	30%	3.20×10^{-9}
rs6887276_C	G / G	-0.02 (–)	54%	3.30×10^{-9}
rs11624136_A	G / A	0.02 (↑)	51%	3.30×10^{-9}
rs10083886_T	C / C	0.02 (–)	27%	3.40×10^{-9}
rs5757318_A	A / A	-0.03 (↓)	89%	3.40×10^{-9}
rs10460566_A	A / A	-0.02 (↓)	76%	3.50×10^{-9}
rs6446315_A	A / A	-0.03 (↓)	85%	3.60×10^{-9}
rs820848_A	A / A	-0.02 (↓)	70%	3.60×10^{-9}
rs2343240_T	T / T	0.06 (↑)	98%	3.60×10^{-9}
rs2633761_A	G / A	0.02 (↑)	51%	3.70×10^{-9}
rs870183_A	A / G	-0.02 (↓)	46%	3.80×10^{-9}
rs2531992_A	G / G	-0.03 (–)	15%	4.00×10^{-9}
rs11835818_T	T / C	-0.02 (↓)	52%	4.30×10^{-9}
rs11708412_A	G / A	0.02 (↑)	27%	4.30×10^{-9}
rs10059761_A	G / G	-0.02 (–)	26%	4.40×10^{-9}
rs7782764_A	G / G	0.03 (–)	14%	4.50×10^{-9}
rs1171615_T	T / T	-0.02 (↓)	87%	4.50×10^{-9}
rs12597498_T	C / T	0.02 (↑)	37%	4.50×10^{-9}
rs12329133_T	C / C	-0.02 (–)	39%	4.50×10^{-9}
rs1004202_C	C / G	-0.02 (↓)	61%	4.60×10^{-9}
rs3818416_A	C / C	-0.02 (–)	22%	4.60×10^{-9}
rs6563199_T	T / T	0.02 (↑)	36%	4.80×10^{-9}
rs16964211_A	G / G	-0.04 (–)	5%	4.80×10^{-9}
rs12137162_A	C / C	0.02 (–)	27%	4.90×10^{-9}
rs13416119_A	A / G	0.03 (↑)	90%	4.90×10^{-9}
rs2224538_T	C / C	0.02 (–)	65%	4.90×10^{-9}
rs8117259_T	C / T	-0.02 (↓)	18%	5.00×10^{-9}
rs2275325_C	G / G	0.02 (–)	27%	5.00×10^{-9}
rs10744956_A	A / G	-0.02 (↓)	22%	5.20×10^{-9}
rs10759774_A	A / G	0.02 (↑)	65%	5.40×10^{-9}
rs6813055_A	A / T	0.02 (↑)	50%	5.50×10^{-9}
rs163071_C	C / C	0.07 (↑)	98%	5.60×10^{-9}
rs300039_T	C / T	-0.02 (↓)	21%	5.60×10^{-9}
rs11683207_T	T / T	0.02 (↑)	82%	5.70×10^{-9}
rs10817960_A	G / G	0.03 (–)	17%	5.70×10^{-9}
rs11057552_A	T / A	0.02 (↑)	17%	6.00×10^{-9}
rs953199_A	C / A	-0.02 (↓)	24%	6.10×10^{-9}
rs16968242_C	C / C	-0.03 (↓)	93%	6.20×10^{-9}
rs6020202_A	G / A	-0.02 (↓)	22%	6.30×10^{-9}
rs3132297_A	G / G	-0.02 (–)	21%	6.50×10^{-9}
rs1576900_A	G / G	-0.02 (–)	30%	6.50×10^{-9}
rs833706_A	A / A	0.02 (↑)	76%	6.80×10^{-9}
rs703985_A	T / T	-0.02 (–)	60%	6.80×10^{-9}
rs12615742_T	C / C	0.02 (–)	49%	7.00×10^{-9}
rs2451948_A	A / A	-0.02 (↓)	87%	7.10×10^{-9}
rs2888893_T	T / T	-0.02 (↓)	51%	7.30×10^{-9}
rs3748394_C	G / G	-0.02 (–)	35%	7.50×10^{-9}
rs2188177_T	C / T	0.02 (↑)	45%	8.00×10^{-9}
rs10140101_T	T / C	0.02 (↑)	45%	8.00×10^{-9}
rs11714558_T	T / T	0.11 (↑)	99%	8.10×10^{-9}
rs2058092_T	T / T	0.02 (↑)	57%	8.40×10^{-9}
rs10766065_T	T / T	-0.02 (↓)	72%	8.70×10^{-9}
rs1945237_T	T / T	-0.03 (↓)	92%	8.70×10^{-9}
rs7299326_T	NA	-0.04 (–)	5%	8.70×10^{-9}

rs996743_A	A / A	0.04 (↑)	96%	9.10×10^{-9}
rs2164747_A	A / A	-0.03 (↓)	89%	9.10×10^{-9}
rs11100790_T	T / C	-0.02 (↓)	81%	9.10×10^{-9}
rs11861084_A	C / C	0.02 (-)	40%	9.60×10^{-9}
rs999599_T	C / T	0.02 (↑)	37%	9.70×10^{-9}
rs11616067_A	A / A	0.02 (↑)	77%	1.00×10^{-8}
rs888403_A	A / G	-0.02 (↓)	59%	1.00×10^{-8}
rs1966913_A	A / A	0.04 (↑)	96%	1.00×10^{-8}
rs3750972_T	T / T	-0.02 (↓)	51%	1.10×10^{-8}
rs10048625_T	C / C	0.02 (-)	17%	1.10×10^{-8}
rs7170986_A	G / A	-0.02 (↓)	23%	1.10×10^{-8}
rs6596075_C	C / C	-0.02 (↓)	84%	1.20×10^{-8}
rs17330192_T	T / C	-0.02 (↓)	74%	1.20×10^{-8}
rs10972628_A	G / G	-0.02 (-)	26%	1.20×10^{-8}
rs11198820_C	G / G	0.03 (-)	11%	1.20×10^{-8}
rs6511689_T	T / C	0.02 (↑)	68%	1.20×10^{-8}
rs10962832_A	A / T	0.03 (↑)	85%	1.30×10^{-8}
rs12454567_A	G / G	0.03 (-)	90%	1.30×10^{-8}
rs749234_A	G / G	0.02 (-)	31%	1.30×10^{-8}
rs17659078_A	C / C	0.02 (-)	27%	1.30×10^{-8}
rs4973429_T	G / T	-0.02 (↓)	32%	1.30×10^{-8}
rs2023693_A	A / G	-0.02 (↓)	41%	1.40×10^{-8}
rs1368380_T	C / T	0.02 (↑)	43%	1.40×10^{-8}
rs6911389_T	G / G	0.02 (-)	36%	1.40×10^{-8}
rs8073177_T	T / C	-0.02 (↓)	22%	1.40×10^{-8}
rs17387330_A	A / A	0.02 (↑)	34%	1.50×10^{-8}
rs11867943_A	A / T	-0.03 (↓)	88%	1.50×10^{-8}
rs11090631_T	C / C	0.02 (-)	20%	1.50×10^{-8}
rs6080830_A	A / G	0.02 (↑)	56%	1.50×10^{-8}
rs14062_A	A / G	-0.02 (↓)	33%	1.60×10^{-8}
rs4243206_A	A / C	0.02 (↑)	19%	1.60×10^{-8}
rs2247870_A	G / G	0.02 (-)	55%	1.60×10^{-8}
rs13113518_T	T / T	-0.02 (↓)	64%	1.60×10^{-8}
rs11950938_C	C / C	-0.05 (↓)	97%	1.60×10^{-8}
rs486359_C	C / C	0.02 (↑)	50%	1.60×10^{-8}
rs1420023_C	C / C	0.03 (↑)	88%	1.60×10^{-8}
rs17777628_A	NA	-0.04 (-)	4%	1.70×10^{-8}
rs11245515_T	T / T	0.02 (↑)	57%	1.70×10^{-8}
rs8069300_C	G / G	-0.02 (-)	52%	1.70×10^{-8}
rs12621643_T	T / G	-0.02 (↓)	30%	1.70×10^{-8}
rs17410035_T	G / G	0.02 (-)	36%	1.80×10^{-8}
rs7646824_A	A / A	0.03 (↑)	89%	1.80×10^{-8}
rs6462432_A	G / A	0.02 (↑)	39%	1.80×10^{-8}
rs6746356_A	A / C	0.02 (↑)	75%	1.80×10^{-8}
rs1040941_A	G / A	0.02 (↑)	40%	1.80×10^{-8}
rs4785393_A	A / A	-0.02 (↓)	83%	1.80×10^{-8}
rs6504389_C	G / G	0.02 (-)	15%	1.80×10^{-8}
rs1007358_A	A / A	-0.02 (↓)	77%	1.80×10^{-8}
rs4767473_A	A / A	0.03 (↑)	87%	1.90×10^{-8}
rs7633464_A	G / A	0.02 (↑)	48%	1.90×10^{-8}
rs2175513_A	G / A	-0.02 (↓)	60%	2.00×10^{-8}
rs936339_T	C / C	0.02 (-)	19%	2.00×10^{-8}
rs12914466_A	G / A	0.02 (↑)	61%	2.00×10^{-8}
rs17076869_T	C / C	0.03 (-)	9%	2.10×10^{-8}
rs12513181_A	C / A	-0.02 (↓)	73%	2.10×10^{-8}
rs3169906_C	C / C	0.02 (↑)	86%	2.10×10^{-8}
rs6688100_T	T / T	0.02 (↑)	47%	2.20×10^{-8}
rs9327705_A	G / G	0.02 (-)	23%	2.20×10^{-8}
rs6829680_A	G / G	0.02 (-)	45%	2.20×10^{-8}
rs8028843_T	T / C	0.02 (↑)	65%	2.20×10^{-8}
rs10995319_T	T / T	0.02 (↑)	77%	2.30×10^{-8}

rs2059877_T	G / G	0.02 (-)	27%	2.40×10^{-8}
rs9405356_T	T / C	0.03 (↑)	61%	2.40×10^{-8}
rs17113369_T	T / T	0.07 (↑)	97%	2.40×10^{-8}
rs2167645_T	NA	0.12 (-)	2%	2.40×10^{-8}
rs7097701_T	T / C	-0.02 (↓)	52%	2.40×10^{-8}
rs2272566_A	G / G	0.02 (-)	48%	2.50×10^{-8}
rs4746769_T	C / C	0.02 (-)	86%	2.50×10^{-8}
rs2815379_A	A / G	-0.02 (↓)	27%	2.50×10^{-8}
rs4674354_T	T / T	0.02 (↑)	77%	2.50×10^{-8}
rs2034172_A	G / G	-0.02 (-)	32%	2.50×10^{-8}
rs1014987_C	C / C	-0.02 (↓)	74%	2.60×10^{-8}
rs12669267_T	C / C	-0.03 (-)	9%	2.60×10^{-8}
rs12731056_A	NA	0.12 (-)	< 1%	2.70×10^{-8}
rs12228415_A	A / A	-0.02 (↓)	56%	2.70×10^{-8}
rs3026499_A	G / G	-0.03 (-)	37%	2.70×10^{-8}
rs1544196_A	A / A	-0.02 (↓)	23%	2.80×10^{-8}
rs6794009_A	A / A	-0.02 (↓)	56%	2.80×10^{-8}
rs6762606_T	C / C	0.02 (-)	28%	2.80×10^{-8}
rs7162825_T	T / T	0.02 (↑)	50%	2.80×10^{-8}
rs868489_T	C / T	-0.02 (↓)	19%	2.90×10^{-8}
rs11244750_T	C / T	0.02 (↑)	33%	3.10×10^{-8}
rs11642612_A	A / A	-0.02 (↓)	60%	3.20×10^{-8}
rs17140875_T	NA	-0.04 (-)	4%	3.20×10^{-8}
rs2829941_T	T / T	0.02 (↑)	60%	3.20×10^{-8}
rs2337143_A	A / G	0.02 (↑)	34%	3.20×10^{-8}
rs11779459_T	C / C	0.02 (-)	36%	3.40×10^{-8}
rs1321666_T	T / C	-0.02 (↓)	53%	3.50×10^{-8}
rs6571772_A	A / A	0.02 (↑)	70%	3.70×10^{-8}
rs12144094_C	C / C	0.02 (↑)	85%	3.70×10^{-8}
rs4256170_A	NA	0.16 (-)	< 1%	3.70×10^{-8}
rs3915129_T	G / G	-0.02 (-)	54%	3.80×10^{-8}
rs7033940_C	G / G	-0.02 (-)	12%	3.80×10^{-8}
rs7334755_T	C / C	-0.02 (-)	19%	3.90×10^{-8}
rs833152_A	A / A	-0.02 (↓)	58%	4.00×10^{-8}
rs1199734_T	G / G	-0.02 (-)	18%	4.00×10^{-8}
rs4868645_T	T / T	-0.02 (↓)	49%	4.10×10^{-8}
rs12190423_C	G / G	-0.02 (-)	37%	4.30×10^{-8}
rs10820814_A	C / C	-0.03 (-)	9%	4.30×10^{-8}
rs9929889_T	T / T	-0.02 (↓)	42%	4.30×10^{-8}
rs11236294_T	G / T	0.02 (↑)	29%	4.50×10^{-8}
rs7743622_C	G / G	-0.02 (-)	43%	4.60×10^{-8}
rs11731978_A	A / A	0.02 (↑)	86%	4.60×10^{-8}
rs1346490_A	A / C	0.02 (↑)	62%	4.60×10^{-8}
rs7284476_A	A / A	0.02 (↑)	46%	4.60×10^{-8}
rs2737220_T	C / C	0.02 (-)	39%	4.70×10^{-8}
rs7007200_C	G / C	-0.02 (↓)	29%	4.70×10^{-8}
rs1571892_A	A / C	-0.02 (↓)	71%	5.00×10^{-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.