

🌟 Apolipoprotein A-1 level (Richardson, 2020)

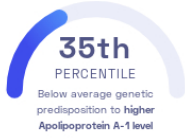
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PLoS Medicine

Blood Heart

STUDY SUMMARY

Identification of 440 genetic variants associated with the apolipoprotein A-1 level in the blood and analysis of its contribution to the risk of coronary heart disease.

YOUR RESULT



STUDY DESCRIPTION

Coronary heart disease (CHD) is a condition that develops when the heart's arteries cannot supply enough oxygen to the heart muscle. Coronary heart disease is the leading cause of death in the United States. It occurs when *plaque* builds up in the heart's arteries and blocks the blood flow to the heart. Arterial *plaque* consists of multiple substances that circulate in the blood, in particular fats and *cholesterol*. Fats and *cholesterol* cannot travel around the bloodstream on their own and instead must be transported by proteins called "apolipoproteins". The apolipoprotein responsible for transporting HDL *cholesterol*, or the "good" *cholesterol*, in the blood is known as apolipoprotein A-1 (apoA1). Due to its role, elevated apolipoprotein A-1 levels may suggest a protective effect against developing coronary heart disease. This study examined genetic data of over 440,000 individuals of European descent to identify genomic regions associated with apolipoprotein A-1 levels in the blood. The researchers identified 440 genetic variants, including 407 novel variants, associated with apolipoprotein A-1 levels.

DID YOU KNOW?

In addition to its protective effect against the development of coronary heart disease, elevated levels of apolipoprotein A-1 may also be associated with a decreased risk of dementia and other neurodegenerative disorders.

YOUR DETAILED RESULTS

To calculate your genetic predisposition to higher Apolipoprotein A-1 level we summed up the effects of genetic variants that were linked to higher Apolipoprotein A-1 level 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 Apolipoprotein A-1 level. The variants highlighted in blue have **negative effect sizes** and decrease your genetic predisposition to higher Apolipoprotein A-1 level. Variants that are not highlighted are not found in your genome and do not affect your genetic predisposition to higher Apolipoprotein A-1 level. By adding up the effect sizes of the highlighted variants **we calculated your polygenic score for higher Apolipoprotein A-1 level to be 1.66**. 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 Apolipoprotein A-1 level is in the **35th percentile**. This means that it is higher than the polygenic scores 35% of people. We consider this to be a **below average genetic predisposition to higher Apolipoprotein A-1 level**. 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 [Ⓞ]
rs989419_A	A / G	-0.11 (↓)	39%	5.60 × 10 ⁻⁷²⁴
rs1601933_C	C / T	0.08 (↑)	53%	1.50 × 10 ⁻³⁸⁹
rs331_G	G / A	-0.09 (↓)	74%	4.60 × 10 ⁻³⁴⁰
rs77960347_A	A / A	-0.34 (↓)	99%	4.10 × 10 ⁻³³⁷
rs613808_A NEW	A / G	0.08 (↑)	28%	7.30 × 10 ⁻³³¹
rs429368_T NEW	T / T	0.10 (↑)	85%	8.30 × 10 ⁻³¹¹
rs8086351_C	C / G	-0.10 (↓)	18%	4.50 × 10 ⁻³⁰⁴
rs2740488_A	A / C	0.08 (↑)	73%	9.90 × 10 ⁻²⁸⁷
rs1318175_C	C / C	0.08 (↑)	84%	1.80 × 10 ⁻¹⁸⁶
rs11632618_G	G / A	-0.11 (↓)	93%	1.70 × 10 ⁻¹⁷³
rs2281718_A NEW	T / T	-0.06 (-)	39%	1.10 × 10 ⁻¹⁶⁵
rs1800961_C NEW	C / C	0.15 (↑)	97%	1.80 × 10 ⁻¹⁶²
rs79984435_G	G / G	0.09 (↑)	91%	4.10 × 10 ⁻¹⁴²
rs72836661_C NEW	C / C	0.14 (↑)	97%	5.20 × 10 ⁻¹⁴⁰
rs9987289_A	A / G	-0.09 (↓)	9%	8.70 × 10 ⁻¹³⁹
rs676210_G NEW	G / G	-0.06 (↓)	79%	9.20 × 10 ⁻¹³⁶
rs11789603_C	C / T	-0.07 (↓)	89%	1.30 × 10 ⁻¹¹⁹
rs12074628_T NEW	C / C	-0.04 (-)	35%	1.00 × 10 ⁻⁹⁶
rs737338_C NEW	C / C	0.11 (↑)	96%	1.60 × 10 ⁻⁹¹
rs686030_C NEW	C / A	-0.06 (↓)	14%	7.80 × 10 ⁻⁸⁹
rs139915535_A NEW	A / A	0.14 (↑)	98%	8.40 × 10 ⁻⁸⁵
rs13107325_C NEW	C / C	0.07 (↑)	93%	5.10 × 10 ⁻⁸²
rs12740374_G NEW	G / G	-0.04 (↓)	78%	1.10 × 10 ⁻⁷⁸
rs116843064_G NEW	G / G	-0.13 (↓)	98%	7.20 × 10 ⁻⁷⁸
rs2066714_T	T / T	-0.05 (↓)	87%	1.10 × 10 ⁻⁷⁶
rs55781197_A NEW	A / A	-0.06 (↓)	89%	3.20 × 10 ⁻⁷⁵
rs12976395_G NEW	G / C	-0.04 (↓)	50%	1.10 × 10 ⁻⁷²
rs144311893_C NEW	C / C	-0.12 (↓)	98%	1.00 × 10 ⁻⁷⁰
rs6469605_C NEW	C / T	-0.04 (↓)	43%	5.50 × 10 ⁻⁷⁰
rs921919_G NEW	G / A	0.04 (↑)	33%	5.10 × 10 ⁻⁶⁸
rs3768321_G NEW	G / G	0.04 (↑)	80%	5.70 × 10 ⁻⁶⁶
rs2792761_T NEW	T / C	0.04 (↑)	27%	2.00 × 10 ⁻⁶⁵
rs174566_A	A / A	0.03 (↑)	65%	9.20 × 10 ⁻⁶⁵
rs59347135_C	C / G	0.08 (↑)	95%	1.40 × 10 ⁻⁶³
rs2269434_T NEW	T / C	-0.03 (↓)	65%	2.80 × 10 ⁻⁶³
rs559355_A NEW	A / T	0.04 (↑)	84%	8.00 × 10 ⁻⁶²
rs367070_A NEW	A / A	-0.04 (↓)	77%	9.60 × 10 ⁻⁶²

rs2943645_C	T / T	0.03 (-)	35%	2.40×10^{-61}
rs4776033_A	A / T	0.06 (↑)	88%	2.40×10^{-61}
rs140684594_A	A / A	-0.04 (↓)	27%	2.80×10^{-59}
rs2494748_C	T / T	0.03 (-)	38%	4.60×10^{-57}
rs3802548_T	T / T	-0.03 (↓)	76%	8.90×10^{-50}
rs7222619_T	T / G	-0.03 (↓)	46%	2.50×10^{-49}
rs10846497_A	A / A	-0.06 (↓)	91%	5.40×10^{-49}
rs267738_T	T / T	-0.03 (↓)	78%	9.50×10^{-48}
rs7817674_T	T / T	-0.04 (↓)	82%	9.70×10^{-47}
rs17620264_C	C / G	-0.06 (↓)	94%	1.10×10^{-44}
rs9471972_G	G / A	-0.03 (↓)	46%	1.50×10^{-42}
rs2642438_A	A / G	-0.03 (↓)	30%	3.60×10^{-42}
rs2926979_T	C / C	-0.03 (-)	30%	7.00×10^{-41}
rs2396168_A	A / A	0.03 (↑)	83%	5.40×10^{-40}
rs7136606_T	T / T	0.03 (↑)	78%	1.40×10^{-39}
rs78068190_G	G / G	0.07 (↑)	95%	2.70×10^{-39}
rs17138368_G	C / C	0.03 (-)	60%	1.30×10^{-38}
rs1260326_T	T / C	0.03 (↑)	40%	4.00×10^{-38}
rs11089620_C	C / G	0.03 (↑)	81%	1.90×10^{-37}
rs61789661_G	G / G	-0.03 (↓)	80%	9.40×10^{-37}
rs4784709_T	NA	0.06 (-)	4%	7.60×10^{-36}
rs36067735_C	C / C	0.03 (↑)	80%	3.40×10^{-36}
rs10961983_A	A / G	-0.03 (↓)	77%	4.70×10^{-36}
rs1364422_C	C / C	0.03 (↑)	72%	5.40×10^{-36}
rs3800461_G	G / G	0.04 (↑)	89%	2.00×10^{-34}
rs1877031_G	A / A	-0.03 (-)	33%	2.10×10^{-34}
rs160844304_A	A / A	0.08 (↑)	97%	2.60×10^{-34}
rs1047891_C	C / A	0.03 (↑)	68%	4.90×10^{-34}
rs636634_C	T / C	-0.03 (↓)	82%	1.30×10^{-33}
rs73119306_A	A / G	-0.03 (↓)	76%	1.50×10^{-33}
rs1716393_G	G / T	0.02 (↑)	40%	2.20×10^{-33}
rs1107850_G	G / G	0.02 (↑)	53%	3.40×10^{-32}
rs41272086_G	G / G	0.04 (↑)	89%	1.80×10^{-31}
rs112001035_G	G / G	0.06 (↑)	94%	5.10×10^{-30}
rs1047964_G	G / G	-0.06 (↓)	95%	6.00×10^{-30}
rs145276699_T	T / T	-0.04 (↓)	89%	2.00×10^{-29}
rs10883451_T	C / C	-0.02 (-)	50%	2.10×10^{-29}
rs2419605_A	A / G	0.03 (↑)	85%	2.60×10^{-29}
rs11067231_C	C / C	-0.02 (↓)	48%	2.90×10^{-29}
rs2298624_C	C / C	-0.03 (↓)	87%	1.90×10^{-28}
rs34397747_T	T / T	0.04 (↑)	92%	2.20×10^{-28}
rs2623978_C	C / C	0.03 (↑)	87%	6.60×10^{-28}
rs8103728_C	G / G	-0.02 (-)	33%	6.70×10^{-28}
rs236314_C	C / T	0.02 (↑)	47%	1.50×10^{-27}
rs4239661_T	C / C	-0.03 (-)	21%	1.50×10^{-27}
rs114760666_C	C / C	0.06 (↑)	96%	3.60×10^{-27}
rs2071379_A	G / G	0.02 (-)	40%	1.00×10^{-26}
rs76213248_C	C / T	-0.02 (↓)	59%	1.60×10^{-26}
rs1132274_C	C / C	0.03 (↑)	85%	2.40×10^{-26}
rs12422126_G	G / G	-0.03 (↓)	89%	3.30×10^{-26}
rs12224170_G	G / G	-0.03 (↓)	87%	4.60×10^{-26}
rs9769088_T	T / C	0.02 (↑)	61%	5.80×10^{-26}
rs2297402_C	C / C	0.07 (↑)	98%	1.30×10^{-26}
rs76265117_C	C / C	-0.03 (↓)	88%	1.90×10^{-26}
rs11228871_A	A / A	-0.03 (↓)	87%	3.70×10^{-26}
rs6766484_C	T / T	-0.02 (-)	53%	4.10×10^{-26}
rs117687666_C	C / T	-0.10 (↓)	99%	6.90×10^{-26}
rs9393926_G	A / A	-0.03 (-)	12%	9.20×10^{-26}
rs58473820_C	C / T	-0.02 (↓)	62%	1.40×10^{-24}

rs11227582_C	C / C	-0.03 (↓)	88%	2.80 × 10 ⁻²⁴
rs16953475_A	G / G	-0.02 (-)	47%	3.50 × 10 ⁻²⁴
rs976002_A	A / A	-0.02 (↓)	75%	4.90 × 10 ⁻²⁴
rs133015_C	C / G	-0.02 (↓)	56%	6.60 × 10 ⁻²⁴
rs568551048_A	A / A	-0.02 (↓)	41%	1.10 × 10 ⁻²²
rs10955991_T	C / C	0.02 (-)	32%	1.90 × 10 ⁻²²
rs13379043_T	T / T	-0.02 (↓)	72%	2.00 × 10 ⁻²²
rs557933_A	C / C	-0.02 (-)	48%	2.50 × 10 ⁻²²
rs698927_A	A / A	-0.02 (↓)	82%	2.90 × 10 ⁻²²
rs3749748_C	C / C	-0.02 (↓)	75%	4.00 × 10 ⁻²²
rs7238484_G	G / T	0.02 (↑)	73%	4.20 × 10 ⁻²²
rs118024629_C	C / C	-0.02 (↓)	82%	1.20 × 10 ⁻²¹
rs35715914_C	C / C	0.03 (↑)	89%	1.20 × 10 ⁻²¹
rs738409_C	C / C	0.02 (↑)	78%	1.90 × 10 ⁻²¹
rs989075_A	T / T	-0.02 (-)	52%	2.30 × 10 ⁻²¹
rs7186799_A	A / A	0.02 (↑)	56%	3.90 × 10 ⁻²¹
rs2965169_A	A / A	-0.02 (↓)	61%	6.30 × 10 ⁻²¹
rs141949189_A	A / A	0.02 (↑)	57%	1.30 × 10 ⁻²⁰
rs3732356_G	T / T	0.04 (-)	7%	2.10 × 10 ⁻²⁰
rs78025076_C	C / C	0.06 (↑)	98%	2.60 × 10 ⁻²⁰
rs4273010_T	T / T	0.06 (↑)	97%	2.70 × 10 ⁻²⁰
rs115744844_A	A / A	0.08 (↑)	98%	2.90 × 10 ⁻²⁰
rs1583974_C	C / G	0.02 (↑)	58%	6.60 × 10 ⁻²⁰
rs75152587_G	G / G	0.08 (↑)	99%	1.20 × 10 ⁻¹⁹
rs75406471_G	G / G	0.02 (↑)	85%	1.20 × 10 ⁻¹⁹
rs12229372_T	T / C	-0.03 (↓)	90%	1.70 × 10 ⁻¹⁹
rs3798233_A	A / C	-0.02 (↓)	60%	1.90 × 10 ⁻¹⁹
rs11045172_A	A / A	-0.02 (↓)	80%	3.00 × 10 ⁻¹⁹
rs6499102_A	G / G	-0.04 (-)	6%	3.20 × 10 ⁻¹⁹
rs589942_C	C / G	0.02 (↑)	66%	3.40 × 10 ⁻¹⁹
rs11057390_T	T / T	-0.02 (↓)	70%	1.00 × 10 ⁻¹⁸
rs3936511_A	A / A	0.02 (↑)	81%	1.10 × 10 ⁻¹⁸
rs74444445_T	T / T	0.06 (↑)	98%	1.10 × 10 ⁻¹⁸
rs450244_T	C / C	-0.03 (-)	9%	1.90 × 10 ⁻¹⁸
rs35137994_C	C / C	-0.04 (↓)	94%	2.90 × 10 ⁻¹⁸
rs9426827_T	T / T	-0.02 (↓)	52%	3.30 × 10 ⁻¹⁸
rs804267_G	A / A	0.02 (-)	32%	3.70 × 10 ⁻¹⁸
rs2923078_A	A / A	0.02 (↑)	72%	5.50 × 10 ⁻¹⁸
rs9817452_G	G / G	-0.02 (↓)	61%	5.70 × 10 ⁻¹⁸
rs1043897_G	G / T	-0.02 (↓)	58%	6.40 × 10 ⁻¹⁸
rs11601507_C	C / C	0.03 (↑)	93%	6.70 × 10 ⁻¹⁸
rs2069945_C	G / G	0.02 (-)	47%	1.20 × 10 ⁻¹⁷
rs66757203_C	C / C	0.03 (↑)	88%	1.40 × 10 ⁻¹⁷
rs254559_C	C / C	0.02 (↑)	60%	1.50 × 10 ⁻¹⁷
rs56271783_G	G / G	0.04 (↑)	95%	1.80 × 10 ⁻¹⁷
rs4356188_C	G / G	0.02 (-)	30%	2.10 × 10 ⁻¹⁷
rs3184504_T	T / C	-0.02 (↓)	48%	2.70 × 10 ⁻¹⁷
rs9916613_T	A / A	0.02 (-)	64%	3.10 × 10 ⁻¹⁷
rs6448429_C	C / C	0.02 (↑)	83%	5.60 × 10 ⁻¹⁷
rs150483923_C	C / A	-0.02 (↓)	77%	5.70 × 10 ⁻¹⁷
rs4930352_G	G / T	-0.02 (↓)	51%	6.00 × 10 ⁻¹⁷
rs59104589_C	C / C	-0.02 (↓)	64%	7.60 × 10 ⁻¹⁷
rs1446585_A	A / A	-0.02 (↓)	76%	9.50 × 10 ⁻¹⁷
rs73216700_G	G / G	-0.02 (↓)	57%	1.20 × 10 ⁻¹⁶
rs34138141_G	G / G	0.02 (↑)	72%	1.30 × 10 ⁻¹⁶
rs4632228_G	G / T	0.02 (↑)	79%	1.60 × 10 ⁻¹⁶
rs12273363_T	T / C	0.02 (↑)	79%	3.70 × 10 ⁻¹⁶
rs7953249_G	G / A	0.02 (↑)	41%	7.20 × 10 ⁻¹⁶
rs34767118_A	A / A	-0.02 (↓)	67%	9.80 × 10 ⁻¹⁶

rs13326165_A	G / G	0.02 (-)	20%	1.00×10^{-15}
rs17326666_G	T / T	0.02 (-)	76%	2.10×10^{-16}
rs77542162_A	A / A	0.05 (↑)	98%	2.20×10^{-16}
rs3740688_G	G / T	-0.02 (↓)	46%	2.40×10^{-16}
rs3915932_G	C / C	-0.02 (-)	59%	2.60×10^{-16}
rs1055582_C	C / T	-0.02 (↓)	49%	3.30×10^{-16}
rs4871603_C	C / C	-0.02 (↓)	35%	3.70×10^{-16}
rs286965_T	T / C	0.02 (↑)	37%	4.00×10^{-16}
rs10507274_T	T / C	-0.03 (↓)	94%	4.60×10^{-16}
rs7943699_G	G / A	0.02 (↑)	52%	4.70×10^{-16}
rs72959041_G	G / G	0.04 (↑)	95%	5.20×10^{-16}
rs4979372_T	T / C	-0.02 (↓)	51%	5.40×10^{-16}
rs10798615_T	T / G	0.02 (↑)	47%	6.00×10^{-16}
rs1864167_G	G / A	0.02 (↑)	46%	6.80×10^{-16}
rs78595810_G	G / G	0.07 (↑)	99%	7.10×10^{-16}
rs34555420_G	G / G	0.03 (↑)	90%	7.50×10^{-16}
rs72623014_G	G / G	-0.02 (↓)	87%	8.00×10^{-16}
rs9884482_T	T / C	0.02 (↑)	63%	8.40×10^{-16}
rs138354839_C	C / C	0.07 (↑)	98%	1.00×10^{-14}
rs1611719_G	G / T	0.02 (↑)	79%	1.30×10^{-14}
rs681869_C	T / T	0.02 (-)	30%	2.00×10^{-14}
rs7896518_A	A / G	-0.02 (↓)	57%	2.20×10^{-14}
rs62203108_T	T / T	-0.02 (↓)	71%	2.50×10^{-14}
rs1468642_T	T / A	0.02 (↑)	65%	2.60×10^{-14}
rs7170463_A	A / G	-0.02 (↓)	69%	2.60×10^{-14}
rs9608972_T	T / C	0.02 (↑)	76%	3.40×10^{-14}
rs367677_A	A / G	-0.02 (↓)	76%	3.90×10^{-14}
rs7546242_C	C / C	-0.02 (↓)	63%	3.90×10^{-14}
rs10419198_C	C / T	-0.02 (↓)	75%	4.60×10^{-14}
rs77631377_C	C / C	0.04 (↑)	96%	4.60×10^{-14}
rs2111705_G	A / A	0.01 (-)	46%	5.10×10^{-14}
rs35007880_G	G / G	0.01 (↑)	49%	5.80×10^{-14}
rs2963472_G	G / G	0.02 (↑)	79%	6.10×10^{-14}
rs6977416_G	G / A	0.02 (↑)	67%	6.70×10^{-14}
rs34942359_C	C / G	0.02 (↑)	82%	6.80×10^{-14}
rs2982521_A	T / T	-0.02 (-)	37%	7.00×10^{-14}
rs9980311_A	A / A	0.02 (↑)	74%	7.80×10^{-14}
rs10489044_A	A / A	0.02 (↑)	80%	8.00×10^{-14}
rs3747973_A	A / G	-0.01 (↓)	41%	1.10×10^{-13}
rs112672290_A	A / A	0.03 (↑)	91%	1.20×10^{-13}
rs11605837_G	G / T	0.02 (↑)	69%	1.20×10^{-13}
rs61805076_T	T / C	0.02 (↑)	67%	1.60×10^{-13}
rs4648892_C	T / T	-0.02 (-)	28%	2.30×10^{-13}
rs10745954_A	A / G	0.01 (↑)	52%	2.40×10^{-13}
rs150237291_T	T / T	-0.05 (↓)	98%	2.50×10^{-13}
rs33042_G	G / G	-0.02 (↓)	75%	2.60×10^{-13}
rs1771582_T	T / G	-0.01 (↓)	44%	3.00×10^{-13}
rs73052033_T	T / T	0.02 (↑)	81%	3.80×10^{-13}
rs6062510_G	C / C	0.02 (-)	33%	4.30×10^{-13}
rs2804894_G	A / A	-0.02 (-)	27%	4.90×10^{-13}
rs7259070_T	T / C	0.01 (↑)	40%	5.20×10^{-13}
rs11170517_C	C / T	0.02 (↑)	86%	5.40×10^{-13}
rs72926946_C	A / A	0.02 (-)	70%	5.40×10^{-13}
rs76456334_T	T / C	0.04 (↑)	96%	5.60×10^{-13}
rs73578509_C	C / C	0.05 (↑)	98%	6.40×10^{-13}
rs78608249_C	C / T	0.02 (↑)	71%	8.40×10^{-13}
rs36090449_G	G / G	-0.03 (↓)	96%	9.00×10^{-13}
rs28362901_C	C / A	0.02 (↑)	91%	9.40×10^{-13}
rs183078_A	A / G	-0.01 (↓)	60%	9.50×10^{-13}

rs183078_A	A / G	-0.01 (↓)	60%	9.00 × 10 ⁻¹²
rs11591147_G	G / G	-0.05 (↓)	98%	1.10 × 10 ⁻¹²
rs56090699_T	T / T	-0.02 (↓)	70%	1.10 × 10 ⁻¹²
rs74500135_T	T / T	-0.07 (↓)	99%	1.10 × 10 ⁻¹²
rs80236739_A	A / A	0.03 (↑)	95%	1.10 × 10 ⁻¹²
rs1037117_G	G / G	-0.02 (↓)	75%	1.20 × 10 ⁻¹²
rs79940707_C	C / T	-0.02 (↓)	84%	1.30 × 10 ⁻¹²
rs4599108_C	C / T	-0.01 (↓)	51%	1.40 × 10 ⁻¹²
rs557675_T	G / G	-0.01 (-)	53%	1.60 × 10 ⁻¹²
rs6123685_G	G / A	-0.02 (↓)	75%	1.60 × 10 ⁻¹²
rs4714554_A	A / A	-0.01 (↓)	39%	1.80 × 10 ⁻¹²
rs2700892_A	A / A	0.01 (↑)	55%	2.00 × 10 ⁻¹²
rs35650976_C	C / C	-0.02 (↓)	70%	2.90 × 10 ⁻¹²
rs2247355_C	C / C	-0.02 (↓)	82%	3.50 × 10 ⁻¹²
rs1086056_T	G / G	0.02 (-)	16%	3.80 × 10 ⁻¹²
rs6686889_C	C / T	0.02 (↑)	75%	4.20 × 10 ⁻¹²
rs10023962_T	G / G	-0.02 (-)	18%	5.00 × 10 ⁻¹²
rs12263369_C	C / T	0.01 (↑)	41%	5.60 × 10 ⁻¹²
rs116006942_G	G / G	0.03 (↑)	94%	7.40 × 10 ⁻¹²
rs3760230_C	G / G	0.01 (-)	42%	7.60 × 10 ⁻¹²
rs7503353_G	G / T	0.01 (↑)	47%	7.70 × 10 ⁻¹²
rs6507716_A	A / G	-0.01 (↓)	51%	7.90 × 10 ⁻¹²
rs10012624_C	C / A	0.01 (↑)	54%	8.80 × 10 ⁻¹²
rs56105022_G	G / G	0.04 (↑)	96%	1.00 × 10 ⁻¹¹
rs2972166_G	G / A	-0.01 (↓)	73%	1.30 × 10 ⁻¹¹
rs1406982_T	T / T	0.01 (↑)	69%	1.40 × 10 ⁻¹¹
rs76428106_T	T / T	0.06 (↑)	99%	1.90 × 10 ⁻¹¹
rs7304462_G	G / A	-0.01 (↓)	45%	2.10 × 10 ⁻¹¹
rs34712273_C	C / C	0.01 (↑)	42%	2.20 × 10 ⁻¹¹
rs13097947_T	T / T	-0.01 (↓)	35%	2.50 × 10 ⁻¹¹
rs11641548_A	A / C	0.01 (↑)	56%	2.70 × 10 ⁻¹¹
rs15052_T	T / T	-0.02 (↓)	82%	3.50 × 10 ⁻¹¹
rs4999718_A	A / A	-0.01 (↓)	63%	3.80 × 10 ⁻¹¹
rs1395221_G	G / T	0.01 (↑)	60%	4.40 × 10 ⁻¹¹
rs12546096_A	A / A	0.02 (↑)	75%	5.10 × 10 ⁻¹¹
rs6059958_C	C / C	-0.02 (↓)	83%	5.40 × 10 ⁻¹¹
rs6430954_G	G / G	0.01 (↑)	68%	5.70 × 10 ⁻¹¹
rs9604045_G	G / G	-0.02 (↓)	75%	5.70 × 10 ⁻¹¹
rs2396617_A	C / C	0.02 (-)	12%	6.00 × 10 ⁻¹¹
rs1986868_A	A / A	-0.01 (↓)	72%	6.30 × 10 ⁻¹¹
rs13108218_A	A / G	0.01 (↑)	39%	6.40 × 10 ⁻¹¹
rs59586387_C	C / C	-0.03 (↓)	94%	7.10 × 10 ⁻¹¹
rs28567061_A	A / G	0.02 (↑)	78%	7.70 × 10 ⁻¹¹
rs17008972_G	G / G	-0.02 (↓)	88%	8.00 × 10 ⁻¹¹
rs3814883_C	C / C	0.01 (↑)	52%	8.20 × 10 ⁻¹¹
rs147525635_G	G / A	0.01 (↑)	44%	9.10 × 10 ⁻¹¹
rs12045101_C	C / C	0.01 (↑)	76%	9.20 × 10 ⁻¹¹
rs142958146_A	A / A	0.08 (↑)	99%	9.60 × 10 ⁻¹¹
rs12810864_G	G / G	-0.02 (↓)	92%	1.00 × 10 ⁻¹⁰
rs62271373_T	T / T	0.03 (↑)	94%	1.00 × 10 ⁻¹⁰
rs7134035_C	T / T	-0.02 (-)	18%	1.00 × 10 ⁻¹⁰
rs8039305_T	T / C	-0.01 (↓)	52%	1.00 × 10 ⁻¹⁰
rs72796869_C	C / C	-0.03 (↓)	96%	1.10 × 10 ⁻¹⁰
rs11021232_T	T / T	0.02 (↑)	82%	1.20 × 10 ⁻¹⁰
rs74419430_T	A / A	-0.01 (-)	58%	1.20 × 10 ⁻¹⁰
rs7700617_C	A / A	0.01 (-)	50%	1.20 × 10 ⁻¹⁰
rs7304603_T	T / T	0.01 (↑)	46%	1.50 × 10 ⁻¹⁰
rs49675_G	G / G	-0.02 (↓)	90%	1.60 × 10 ⁻¹⁰
rs10752898_T	T / C	-0.01 (↓)	44%	1.70 × 10 ⁻¹⁰

rs12610382_A	G / G	-0.01 (-)	64%	1.70 x 10 ⁻¹⁰
rs2246012_T	T / T	0.02 (↑)	83%	1.80 x 10 ⁻¹⁰
rs8075019_G	G / G	0.02 (↑)	88%	1.90 x 10 ⁻¹⁰
rs11066320_A	A / G	-0.01 (↓)	43%	2.00 x 10 ⁻¹⁰
rs60667919_C	C / A	-0.01 (↓)	32%	2.10 x 10 ⁻¹⁰
rs112233866_A	A / A	0.04 (↑)	97%	2.20 x 10 ⁻¹⁰
rs112771035_C	C / C	0.02 (↑)	93%	2.20 x 10 ⁻¹⁰
rs2520096_A	A / G	-0.01 (↓)	73%	2.20 x 10 ⁻¹⁰
rs34830321_C	C / C	0.05 (↑)	99%	2.50 x 10 ⁻¹⁰
rs140164052_G	G / G	0.04 (↑)	97%	2.60 x 10 ⁻¹⁰
rs55652051_A	A / A	0.01 (↑)	77%	2.80 x 10 ⁻¹⁰
rs62114506_G	G / G	-0.01 (↓)	74%	2.80 x 10 ⁻¹⁰
rs4875043_A	A / A	0.02 (↑)	78%	2.90 x 10 ⁻¹⁰
rs35624680_T	T / T	-0.01 (↓)	63%	3.00 x 10 ⁻¹⁰
rs12975319_G	G / G	0.01 (↑)	70%	4.10 x 10 ⁻¹⁰
rs34955778_T	T / T	0.01 (↑)	58%	4.20 x 10 ⁻¹⁰
rs4654395_C	C / T	0.01 (↑)	47%	4.20 x 10 ⁻¹⁰
rs185073199_T	A / T	-0.06 (↓)	99%	4.50 x 10 ⁻¹⁰
rs7757193_G	G / G	0.01 (↑)	63%	4.50 x 10 ⁻¹⁰
rs17321999_C	C / A	0.01 (↑)	79%	4.60 x 10 ⁻¹⁰
rs41292412_C	C / C	0.06 (↑)	99%	4.60 x 10 ⁻¹⁰
rs4762756_T	T / C	-0.01 (↓)	26%	4.70 x 10 ⁻¹⁰
rs13144764_A	A / G	0.02 (↑)	80%	5.30 x 10 ⁻¹⁰
rs12411959_A	T / T	0.01 (-)	78%	5.60 x 10 ⁻¹⁰
rs55710224_G	G / G	-0.01 (↓)	50%	5.70 x 10 ⁻¹⁰
rs56263064_C	C / C	-0.01 (↓)	71%	5.70 x 10 ⁻¹⁰
rs6467595_C	C / T	-0.01 (↓)	23%	5.80 x 10 ⁻¹⁰
rs731758_C	C / G	-0.01 (↓)	38%	6.00 x 10 ⁻¹⁰
rs143474489_T	T / T	-0.04 (↓)	98%	6.10 x 10 ⁻¹⁰
rs36089024_C	C / T	-0.01 (↓)	58%	6.90 x 10 ⁻¹⁰
rs515756_T	T / T	-0.01 (↓)	72%	7.40 x 10 ⁻¹⁰
rs144033177_A	A / A	0.05 (↑)	98%	7.50 x 10 ⁻¹⁰
rs79009737_G	G / A	-0.02 (↓)	86%	7.60 x 10 ⁻¹⁰
rs11780610_C	C / T	0.01 (↑)	28%	8.60 x 10 ⁻¹⁰
rs73082723_C	C / C	-0.02 (↓)	78%	8.70 x 10 ⁻¹⁰
rs75663391_G	T / T	-0.01 (-)	32%	9.00 x 10 ⁻¹⁰
rs11691486_T	T / T	-0.01 (↓)	76%	9.20 x 10 ⁻¹⁰
rs3859588_T	T / T	0.01 (↑)	78%	9.60 x 10 ⁻¹⁰
rs6807935_A	G / G	0.01 (-)	66%	9.90 x 10 ⁻¹⁰
rs117230571_A	A / A	0.02 (↑)	92%	1.00 x 10 ⁻⁹
rs17740942_T	T / T	-0.02 (↓)	88%	1.00 x 10 ⁻⁹
rs6532796_A	A / A	0.01 (↑)	29%	1.00 x 10 ⁻⁹
rs56196860_C	C / C	-0.03 (↓)	97%	1.10 x 10 ⁻⁹
rs587739738_C	C / C	-0.02 (↓)	92%	1.10 x 10 ⁻⁹
rs7251640_T	T / T	-0.02 (↓)	81%	1.10 x 10 ⁻⁹
rs10504477_T	T / C	0.01 (↑)	59%	1.20 x 10 ⁻⁹
rs13300004_A	A / A	0.05 (↑)	99%	1.20 x 10 ⁻⁹
rs1862069_G	G / A	-0.01 (↓)	46%	1.20 x 10 ⁻⁹
rs4676609_C	C / T	-0.02 (↓)	80%	1.20 x 10 ⁻⁹
rs79506257_G	G / G	-0.03 (↓)	95%	1.20 x 10 ⁻⁹
rs374039502_T	T / T	0.04 (↑)	98%	1.40 x 10 ⁻⁹
rs514924_A	G / G	0.02 (-)	10%	1.40 x 10 ⁻⁹
rs73457437_G	G / G	0.03 (↑)	97%	1.40 x 10 ⁻⁹
rs77234291_A	A / A	-0.05 (↓)	98%	1.40 x 10 ⁻⁹
rs4820346_C	C / G	-0.01 (↓)	31%	1.50 x 10 ⁻⁹
rs11202154_C	C / C	0.01 (↑)	73%	1.60 x 10 ⁻⁹
rs71355297_C	C / C	0.01 (↑)	77%	1.60 x 10 ⁻⁹
rs7192161_C	T / T	-0.01 (-)	59%	1.60 x 10 ⁻⁹
rs12044156_G	C / C	0.01 (-)	44%	1.70 x 10 ⁻⁹

rs55801554_C	C / C	-0.01 (↓)	75%	1.80 × 10 ⁻⁹
rs10947786_G	G / A	-0.01 (↓)	78%	1.90 × 10 ⁻⁹
rs74913239_G	G / A	0.02 (↑)	84%	1.90 × 10 ⁻⁹
rs112942650_A	A / A	0.02 (↑)	92%	2.00 × 10 ⁻⁹
rs12292135_G	G / A	0.01 (↑)	68%	2.00 × 10 ⁻⁹
rs2540951_A	A / A	-0.01 (↓)	62%	2.00 × 10 ⁻⁹
rs4474021_G	G / T	0.01 (↑)	68%	2.00 × 10 ⁻⁹
rs12449756_A	A / G	0.01 (↑)	69%	2.10 × 10 ⁻⁹
rs4652192_C	C / A	-0.02 (↓)	81%	2.10 × 10 ⁻⁹
rs11690597_A	G / G	-0.01 (-)	79%	2.30 × 10 ⁻⁹
rs59137082_C	C / T	-0.01 (↓)	76%	2.30 × 10 ⁻⁹
rs352126_C	C / C	-0.01 (↓)	67%	2.40 × 10 ⁻⁹
rs11159261_T	T / C	-0.01 (↓)	47%	2.50 × 10 ⁻⁹
rs1919309_T	C / C	-0.01 (-)	49%	2.50 × 10 ⁻⁹
rs351862_C	C / T	-0.02 (↓)	89%	2.60 × 10 ⁻⁹
rs6785881_C	T / T	0.01 (-)	52%	2.90 × 10 ⁻⁹
rs12867032_T	T / T	0.03 (↑)	95%	3.00 × 10 ⁻⁹
rs4725969_C	C / T	-0.01 (↓)	66%	3.20 × 10 ⁻⁹
rs12204488_C	C / C	-0.01 (↓)	76%	3.30 × 10 ⁻⁹
rs117399007_C	C / C	0.03 (↑)	96%	3.50 × 10 ⁻⁹
rs59038405_A	A / A	-0.01 (↓)	51%	3.50 × 10 ⁻⁹
rs78359342_G	G / G	0.01 (↑)	73%	3.50 × 10 ⁻⁹
rs145184406_T	T / T	0.01 (↑)	81%	3.90 × 10 ⁻⁹
rs4450131_T	T / T	-0.01 (↓)	47%	4.00 × 10 ⁻⁹
rs34642857_T	T / C	0.01 (↑)	75%	4.30 × 10 ⁻⁹
rs1834144_C	C / C	-0.01 (↓)	63%	4.60 × 10 ⁻⁹
rs186586197_A	A / A	-0.03 (↓)	97%	4.60 × 10 ⁻⁹
rs2544654_G	T / T	-0.01 (-)	28%	4.70 × 10 ⁻⁹
rs62369484_T	T / T	0.02 (↑)	94%	4.90 × 10 ⁻⁹
rs16844296_G	G / G	0.01 (↑)	79%	5.00 × 10 ⁻⁹
rs1718859_T	T / C	-0.01 (↓)	42%	5.30 × 10 ⁻⁹
rs2159935_G	G / A	-0.01 (↓)	51%	5.40 × 10 ⁻⁹
rs11883967_A	A / A	-0.01 (↓)	34%	5.50 × 10 ⁻⁹
rs117739035_G	G / G	0.03 (↑)	96%	5.80 × 10 ⁻⁹
rs32578_G	G / A	-0.01 (↓)	69%	5.90 × 10 ⁻⁹
rs804553_T	T / C	0.01 (↑)	50%	5.90 × 10 ⁻⁹
rs12357890_A	A / G	0.01 (↑)	44%	6.00 × 10 ⁻⁹
rs13024140_G	G / G	0.01 (↑)	58%	6.00 × 10 ⁻⁹
rs1852922_G	G / A	-0.01 (↓)	31%	6.10 × 10 ⁻⁹
rs34180494_A	A / A	0.01 (↑)	73%	6.20 × 10 ⁻⁹
rs10036789_C	C / G	0.01 (↑)	54%	6.30 × 10 ⁻⁹
rs7514202_G	G / G	-0.02 (↓)	13%	7.30 × 10 ⁻⁹
rs62405458_C	C / C	0.01 (↑)	82%	7.60 × 10 ⁻⁹
rs74456742_G	G / G	-0.03 (↓)	96%	7.60 × 10 ⁻⁹
rs141478056_A	A / A	0.02 (↑)	90%	8.80 × 10 ⁻⁹
rs71421262_A	G / G	-0.01 (-)	41%	8.80 × 10 ⁻⁹
rs11973318_T	T / T	0.02 (↑)	86%	9.40 × 10 ⁻⁹
rs75246752_G	C / C	-0.05 (-)	99%	1.00 × 10 ⁻⁸
rs12598179_G	G / G	-0.01 (↓)	71%	1.10 × 10 ⁻⁸
rs3897473_T	T / G	0.01 (↑)	38%	1.10 × 10 ⁻⁸
rs116857878_C	C / C	-0.04 (↓)	98%	1.20 × 10 ⁻⁸
rs13411625_A	A / A	0.01 (↑)	78%	1.30 × 10 ⁻⁸
rs78937603_C	G / C	-0.02 (↓)	86%	1.30 × 10 ⁻⁸
rs2204886_T	T / A	0.01 (↑)	48%	1.40 × 10 ⁻⁸
rs7119167_T	T / T	-0.01 (↓)	79%	1.40 × 10 ⁻⁸
rs10978335_G	G / A	-0.01 (↓)	49%	1.50 × 10 ⁻⁸
rs75988962_C	C / T	-0.02 (↓)	88%	1.50 × 10 ⁻⁸
rs113710278_C	C / C	-0.05 (↓)	99%	1.60 × 10 ⁻⁸
rs248663_T	T / T	0.03 (↑)	96%	1.60 × 10 ⁻⁸

rs12436655_G	G / A	0.01 (↑)	83%	1.70 × 10 ⁻⁸
rs7784748_T	C / C	-0.01 (-)	43%	1.70 × 10 ⁻⁸
rs10960390_C	C / T	0.01 (↑)	79%	1.80 × 10 ⁻⁸
rs11849006_G	G / G	-0.01 (↓)	82%	1.80 × 10 ⁻⁸
rs212100_T	C / C	-0.01 (-)	16%	1.80 × 10 ⁻⁸
rs7036107_A	A / G	0.01 (↑)	49%	1.80 × 10 ⁻⁸
rs73376614_T	T / T	-0.02 (↓)	94%	1.80 × 10 ⁻⁸
rs74963266_T	T / T	0.02 (↑)	91%	1.80 × 10 ⁻⁸
rs10748166_C	C / T	-0.01 (↓)	50%	2.00 × 10 ⁻⁸
rs9569901_A	A / C	-0.01 (↓)	66%	2.00 × 10 ⁻⁸
rs17039171_A	A / A	0.03 (↑)	97%	2.10 × 10 ⁻⁸
rs115660648_T	T / A	0.01 (↑)	46%	2.20 × 10 ⁻⁸
rs12987470_A	A / A	-0.01 (↓)	71%	2.20 × 10 ⁻⁸
rs1045241_C	C / C	-0.01 (↓)	73%	2.30 × 10 ⁻⁸
rs2343593_T	T / C	-0.01 (↓)	42%	2.30 × 10 ⁻⁸
rs61748961_C	C / C	0.04 (↑)	98%	2.40 × 10 ⁻⁸
rs9347737_A	A / G	0.01 (↑)	57%	2.40 × 10 ⁻⁸
rs12938061_T	T / T	0.01 (↑)	56%	2.50 × 10 ⁻⁸
rs11245482_T	T / T	0.01 (↑)	61%	2.60 × 10 ⁻⁸
rs28824216_C	C / C	-0.04 (↓)	98%	2.70 × 10 ⁻⁸
rs74333499_T	T / T	0.02 (↑)	94%	2.70 × 10 ⁻⁸
rs77947762_G	G / G	-0.04 (↓)	98%	2.90 × 10 ⁻⁸
rs6458867_A	G / G	-0.01 (-)	36%	3.00 × 10 ⁻⁸
rs144476339_G	G / G	-0.06 (↓)	99%	3.10 × 10 ⁻⁸
rs1400362_T	T / C	-0.01 (↓)	26%	3.20 × 10 ⁻⁸
rs17191491_A	A / G	-0.01 (↓)	57%	3.30 × 10 ⁻⁸
rs2698737_C	C / T	0.01 (↑)	51%	3.30 × 10 ⁻⁸
rs9866679_G	G / T	-0.01 (↓)	24%	3.30 × 10 ⁻⁸
rs9989466_C	C / T	0.01 (↑)	58%	3.40 × 10 ⁻⁸
rs1862205_G	G / A	-0.01 (↓)	60%	3.60 × 10 ⁻⁸
rs8135417_G	G / A	-0.01 (↓)	35%	3.60 × 10 ⁻⁸
rs1540687_A	A / T	-0.01 (↓)	33%	3.70 × 10 ⁻⁸
rs62555197_A	C / C	0.01 (-)	81%	3.70 × 10 ⁻⁸
rs7835108_G	G / C	-0.01 (↓)	45%	3.70 × 10 ⁻⁸
rs62135193_C	T / T	0.01 (-)	46%	3.80 × 10 ⁻⁸
rs72755439_C	C / C	-0.01 (↓)	71%	3.90 × 10 ⁻⁸
rs13111599_A	A / G	-0.01 (↓)	26%	4.00 × 10 ⁻⁸
rs4441609_T	C / C	-0.01 (-)	37%	4.00 × 10 ⁻⁸
rs6969773_T	C / C	0.01 (-)	53%	4.00 × 10 ⁻⁸
rs34184910_A	A / A	-0.01 (↓)	63%	4.10 × 10 ⁻⁸
rs848638_C	C / T	0.01 (↑)	64%	4.10 × 10 ⁻⁸
rs36096231_C	C / C	0.02 (↑)	93%	4.20 × 10 ⁻⁸
rs61596977_C	C / T	0.02 (↑)	86%	4.40 × 10 ⁻⁸
rs72729623_C	C / T	0.02 (↑)	86%	4.40 × 10 ⁻⁸
rs10458643_G	G / A	0.01 (↑)	53%	4.60 × 10 ⁻⁸
rs72647336_G	G / G	0.02 (↑)	94%	4.60 × 10 ⁻⁸
rs12984021_A	A / C	0.02 (↑)	89%	4.70 × 10 ⁻⁸
rs3014246_C	T / T	-0.01 (-)	30%	4.70 × 10 ⁻⁸
rs9704692_C	C / T	-0.01 (↓)	54%	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.