

🌟 Triple-negative breast cancer (Zhang, 2020)

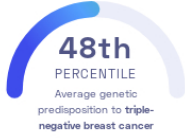
Haoyu Zhang, et al.
Nature Genetics

Cancer Breasts

STUDY SUMMARY

Discovery of novel genetic variants associated with triple-negative breast cancer.

YOUR RESULT



STUDY DESCRIPTION

Breasts are complex structures with multiple cell types which can give rise to multiple types of cancer. Breast cancers are classified by what *receptors* cancer cells have on the outside. This classification is helpful for predicting outcomes and effective treatments. Triple-negative breast cancer is any type of breast cancer that has neither the estrogen receptor, progesterone receptor, nor human epidermal growth factor 2 (HER2) receptor. Triple-negative breast cancers are still fairly heterogeneous, with some subtypes being more aggressive than others. 15-20% of all breast cancer cases are triple-negative breast cancers. These cancers often also have mutations in the BRCA1 gene. This genome-wide association study examined nearly 266,000 individuals of European ancestry to identify genetic variants associated with different breast cancer types, including triple-negative breast cancer. In total, the researchers identified 330 genomic regions associated with breast cancer types and used them to calculate polygenic scores. Interestingly, some variants were found to reduce the risk of some breast cancer types while increasing the risk of others. For example, the G allele of rs78378222, a variant associated with the tumor suppressor gene TP53, is protective against triple-negative breast cancer but increases the risk of luminal B-like breast cancer. Together, all the identified variants explain approximately 37.6% of the heritability for triple-negative breast cancer. (The study did not provide statistical significance values for all variants. We set all values to 5x10⁻⁸.)

DID YOU KNOW?

Since triple-negative breast cancers are associated with BRCA1 mutations, some research suggests that women with triple-negative breast cancer should also be tested to see if they carry any BRCA1 mutations. BRCA1/2 mutations can increase the risk of developing a second breast tumor independent of the first.

YOUR DETAILED RESULTS

To calculate your genetic predisposition to triple-negative breast cancer we summed up the effects of genetic variants that were linked to triple-negative breast cancer 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 triple-negative breast cancer. The variants highlighted in blue have **negative effect sizes** and decrease your genetic predisposition to triple-negative breast cancer. Variants that are not highlighted are not found in your genome and do not affect your genetic predisposition to triple-negative breast cancer. By adding up the effect sizes of the highlighted variants we calculated your polygenic score for triple-negative breast cancer to be **-0.15**. 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 triple-negative breast cancer is in the **48th percentile**. This means that it is higher than the polygenic scores 48% of people. We consider this to be an **average genetic predisposition to triple-negative breast cancer**. 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 [Ⓞ]
rs9712235_A NEW	A / A	-0.08 (↓)	74%	5.00 x 10 ⁻⁸
rs4602255_A NEW	A / A	0.04 (↑)	45%	5.00 x 10 ⁻⁸
rs1375631_G NEW	A / G	0.06 (↑)	50%	5.00 x 10 ⁻⁸
rs13256025_T NEW	C / T	0.02 (↑)	21%	5.00 x 10 ⁻⁸
rs13277568_G NEW	A / A	-0.01 (-)	37%	5.00 x 10 ⁻⁸
rs4742903_C NEW	G / G	0.05 (-)	56%	5.00 x 10 ⁻⁸
rs11652463_G NEW	C / C	-0.06 (-)	30%	5.00 x 10 ⁻⁸
rs495367_G NEW	A / G	0.01 (↑)	35%	5.00 x 10 ⁻⁸
rs7924772_G NEW	A / G	0.04 (↑)	39%	5.00 x 10 ⁻⁸
rs78378222_G NEW	NA	-0.44 (-)	1%	5.00 x 10 ⁻⁸
rs206435_C NEW	A / C	0.05 (↑)	51%	5.00 x 10 ⁻⁸
rs6065254_A NEW	G / A	0.03 (↑)	41%	5.00 x 10 ⁻⁸
rs17215231_T NEW	C / C	-0.22 (-)	8%	5.00 x 10 ⁻⁸
rs612683_T	A / A	0.03 (-)	41%	5.00 x 10 ⁻⁸
rs616488_G	G / G	-0.08 (↓)	32%	5.00 x 10 ⁻⁸
rs7513707_A	G / G	0.06 (-)	17%	5.00 x 10 ⁻⁸
rs12406858_C	A / A	0.02 (-)	27%	5.00 x 10 ⁻⁸
rs637868_C	C / C	0.01 (↑)	53%	5.00 x 10 ⁻⁸
rs11249433_G	A / A	0.02 (-)	42%	5.00 x 10 ⁻⁸
rs111458676_G	A / A	0.01 (-)	10%	5.00 x 10 ⁻⁸
rs11205303_C	T / T	0.04 (-)	41%	5.00 x 10 ⁻⁸
rs2992756_C	T / C	-0.02 (↓)	51%	5.00 x 10 ⁻⁸
rs35383942_T	C / C	0.08 (-)	6%	5.00 x 10 ⁻⁸
rs6686987_T	C / C	-0.06 (-)	40%	5.00 x 10 ⁻⁸
rs7514172_A	T / T	0.04 (-)	28%	5.00 x 10 ⁻⁸
rs2785646_A	A / A	-0.04 (↓)	33%	5.00 x 10 ⁻⁸
rs2576261_G	T / T	0.03 (-)	33%	5.00 x 10 ⁻⁸
rs11117758_A	G / G	-0.01 (-)	21%	5.00 x 10 ⁻⁸
rs11118563_T	C / C	0.01 (-)	25%	5.00 x 10 ⁻⁸
rs72755295_G	NA	0.12 (-)	3%	5.00 x 10 ⁻⁸
rs4233486_T	C / T	0.02 (↑)	65%	5.00 x 10 ⁻⁸
rs114282204_C	NA	0.12 (-)	2%	5.00 x 10 ⁻⁸
rs707475_A	G / A	-0.05 (↓)	38%	5.00 x 10 ⁻⁸
rs17426269_A	G / G	0.03 (-)	15%	5.00 x 10 ⁻⁸
rs2151842_A	C / C	-0.03 (-)	24%	5.00 x 10 ⁻⁸
rs78425380_C	T / T	0.01 (-)	12%	5.00 x 10 ⁻⁸

rs6746250_G	G / G	-0.08 (↓)	70%	5.00 x 10 ⁻⁸
rs17626845_C	T / T	-0.12 (-)	19%	5.00 x 10 ⁻⁸
rs10164560_A	G / A	-0.03 (↓)	35%	5.00 x 10 ⁻⁸
rs10179692_C	C / C	0.14 (↑)	90%	5.00 x 10 ⁻⁸
rs17726078_G	C / C	0.01 (-)	47%	5.00 x 10 ⁻⁸
rs2356666_T	T / T	0.08 (↑)	86%	5.00 x 10 ⁻⁸
rs6743383_A	T / T	-0.08 (-)	65%	5.00 x 10 ⁻⁸
rs10197246_C	T / T	-0.07 (-)	71%	5.00 x 10 ⁻⁸
rs4442975_T	T / T	-0.04 (↓)	48%	5.00 x 10 ⁻⁸
rs11693806_G	G / G	-0.05 (↓)	72%	5.00 x 10 ⁻⁸
rs3791977_A	G / A	-0.02 (↓)	39%	5.00 x 10 ⁻⁸
rs4676356_A	A / A	-0.15 (↓)	98%	5.00 x 10 ⁻⁸
rs6726617_G	G / G	-0.06 (↓)	40%	5.00 x 10 ⁻⁸
rs12472404_C	G / C	-0.11 (↓)	23%	5.00 x 10 ⁻⁸
rs6756513_A	G / G	-0.03 (-)	27%	5.00 x 10 ⁻⁸
rs1036769_C	G / G	0.05 (-)	31%	5.00 x 10 ⁻⁸
rs58058861_A	G / A	-0.02 (↓)	22%	5.00 x 10 ⁻⁸
rs9882792_T	C / C	-0.02 (-)	22%	5.00 x 10 ⁻⁸
rs552647_A	C / C	0.06 (-)	64%	5.00 x 10 ⁻⁸
rs112476261_T	NA	-0.24 (-)	2%	5.00 x 10 ⁻⁸
rs17838698_T	C / T	0.04 (↑)	30%	5.00 x 10 ⁻⁸
rs56387622_C	T / T	-0.10 (-)	10%	5.00 x 10 ⁻⁸
rs6762668_G	A / A	0.03 (-)	39%	5.00 x 10 ⁻⁸
rs2886671_T	C / T	-0.04 (↓)	42%	5.00 x 10 ⁻⁸
rs9826432_G	G / G	-0.06 (↓)	63%	5.00 x 10 ⁻⁸
rs13066793_G	A / A	-0.06 (-)	9%	5.00 x 10 ⁻⁸
rs639365_A	G / A	-0.03 (↓)	48%	5.00 x 10 ⁻⁸
rs62331150_T	G / G	0.03 (-)	23%	5.00 x 10 ⁻⁸
rs56039025_T	C / C	-0.07 (-)	11%	5.00 x 10 ⁻⁸
rs28436676_A	G / G	0.04 (-)	11%	5.00 x 10 ⁻⁸
rs62334414_A	C / A	-0.03 (↓)	35%	5.00 x 10 ⁻⁸
rs13147907_T	A / A	0.03 (-)	45%	5.00 x 10 ⁻⁸
rs10012017_T	G / G	0.05 (-)	25%	5.00 x 10 ⁻⁸
rs17014016_A	G / A	0.02 (↑)	44%	5.00 x 10 ⁻⁸
rs17157372_T	G / T	-0.03 (↓)	18%	5.00 x 10 ⁻⁸
rs335160_A	A / A	-0.05 (↓)	74%	5.00 x 10 ⁻⁸
rs1428387_T	NA	0.08 (-)	3%	5.00 x 10 ⁻⁸
rs10069690_T	C / T	0.23 (↑)	26%	5.00 x 10 ⁻⁸
rs6860806_G	A / A	-0.01 (-)	65%	5.00 x 10 ⁻⁸
rs6596100_T	C / C	-0.01 (-)	24%	5.00 x 10 ⁻⁸
rs62329727_C	NA	0.07 (-)	1%	5.00 x 10 ⁻⁸
rs1432679_T	T / T	-0.07 (↓)	66%	5.00 x 10 ⁻⁸
rs17611291_C	G / G	-0.05 (-)	65%	5.00 x 10 ⁻⁸
rs10074269_C	T / T	-0.01 (-)	34%	5.00 x 10 ⁻⁸
rs6864691_A	G / G	0.03 (-)	42%	5.00 x 10 ⁻⁸
rs4868701_C	C / C	0.02 (↑)	64%	5.00 x 10 ⁻⁸
rs4866496_A	G / G	0.03 (-)	42%	5.00 x 10 ⁻⁸
rs187108781_G	A / A	-0.06 (↓)	15%	5.00 x 10 ⁻⁸
rs4613718_T	C / T	-0.02 (↓)	61%	5.00 x 10 ⁻⁸
rs10941679_G	A / A	0.01 (-)	26%	5.00 x 10 ⁻⁸
rs17343002_C	G / G	-0.01 (-)	30%	5.00 x 10 ⁻⁸
rs889310_T	C / T	0.02 (↑)	66%	5.00 x 10 ⁻⁸
rs16886165_G	T / T	0.03 (-)	17%	5.00 x 10 ⁻⁸
rs76260845_T	C / C	0.02 (-)	6%	5.00 x 10 ⁻⁸
rs11949391_C	T / T	-0.01 (-)	16%	5.00 x 10 ⁻⁸
rs113778879_T	C / C	-0.04 (-)	67%	5.00 x 10 ⁻⁸
rs3010266_A	G / A	-0.01 (↓)	25%	5.00 x 10 ⁻⁸
rs332629_A	G / G	-0.04 (-)	15%	5.00 x 10 ⁻⁸
rs418053_C	C / C	0.01 (↑)	66%	5.00 x 10 ⁻⁸
rs6913578_C	A / A	0.16 (-)	32%	5.00 x 10 ⁻⁸
rs60964078_G	A / A	0.28 (-)	8%	5.00 x 10 ⁻⁸

rs851984_A	G / A	0.06 (↑)	40%	5.00 x 10 ⁻⁸
rs6904031_T	A / A	0.17 (-)	7%	5.00 x 10 ⁻⁸
rs910416_T	C / T	0.06 (↑)	52%	5.00 x 10 ⁻⁸
rs3819405_T	C / T	-0.02 (↓)	33%	5.00 x 10 ⁻⁸
rs9364472_G	C / G	-0.06 (↓)	52%	5.00 x 10 ⁻⁸
rs6940159_C	T / T	0.04 (-)	62%	5.00 x 10 ⁻⁸
rs12211970_A	G / A	-0.03 (↓)	62%	5.00 x 10 ⁻⁸
rs34196306_C	G / G	0.02 (-)	8%	5.00 x 10 ⁻⁸
rs111342015_A	G / G	-0.05 (-)	9%	5.00 x 10 ⁻⁸
rs73764909_C	T / T	0.08 (-)	28%	5.00 x 10 ⁻⁸
rs71559437_A	A / A	-0.04 (↓)	12%	5.00 x 10 ⁻⁸
rs7800548_C	T / T	0.05 (-)	35%	5.00 x 10 ⁻⁸
rs12706954_T	C / C	-0.02 (-)	37%	5.00 x 10 ⁻⁸
rs68056147_A	G / G	0.05 (-)	30%	5.00 x 10 ⁻⁸
rs62485509_T	G / G	0.02 (-)	23%	5.00 x 10 ⁻⁸
rs7971_G	A / G	-0.06 (↓)	35%	5.00 x 10 ⁻⁸
rs289997_T	C / C	-0.06 (-)	16%	5.00 x 10 ⁻⁸
rs74765302_A	G / G	-0.06 (-)	11%	5.00 x 10 ⁻⁸
rs13244925_C	A / A	-0.05 (-)	54%	5.00 x 10 ⁻⁸
rs17268829_C	T / T	-0.01 (-)	29%	5.00 x 10 ⁻⁸
rs4439053_A	G / A	-0.04 (↓)	16%	5.00 x 10 ⁻⁸
rs111963714_G	T / G	0.03 (↑)	21%	5.00 x 10 ⁻⁸
rs62517052_C	T / T	-0.01 (-)	10%	5.00 x 10 ⁻⁸
rs12546444_T	A / T	-0.03 (↓)	10%	5.00 x 10 ⁻⁸
rs13267382_G	G / G	-0.04 (↓)	64%	5.00 x 10 ⁻⁸
rs62526620_G	A / A	0.03 (-)	13%	5.00 x 10 ⁻⁸
rs35542655_C	T / T	0.03 (-)	15%	5.00 x 10 ⁻⁸
rs12541094_A	G / A	0.04 (↑)	42%	5.00 x 10 ⁻⁸
rs7842619_G	T / G	0.07 (↑)	40%	5.00 x 10 ⁻⁸
rs12550713_G	C / G	0.03 (↑)	42%	5.00 x 10 ⁻⁸
rs10096351_G	A / G	0.06 (↑)	56%	5.00 x 10 ⁻⁸
rs1016578_A	G / G	0.06 (-)	18%	5.00 x 10 ⁻⁸
rs7830152_G	A / G	-0.03 (↓)	34%	5.00 x 10 ⁻⁸
rs66823261_C	C / C	0.09 (↑)	22%	5.00 x 10 ⁻⁸
rs1028016_G	A / G	-0.04 (↓)	64%	5.00 x 10 ⁻⁸
rs310295_A	C / A	-0.01 (↓)	41%	5.00 x 10 ⁻⁸
rs9693444_C	A / A	-0.08 (-)	67%	5.00 x 10 ⁻⁸
rs13365225_G	A / A	-0.05 (-)	18%	5.00 x 10 ⁻⁸
rs1511243_G	G / G	0.06 (↑)	83%	5.00 x 10 ⁻⁸
rs72658084_T	C / C	0.06 (-)	9%	5.00 x 10 ⁻⁸
rs1533366_T	G / G	-0.03 (-)	36%	5.00 x 10 ⁻⁸
rs7848334_T	T / T	0.04 (↑)	61%	5.00 x 10 ⁻⁸
rs630965_T	T / T	0.01 (↑)	64%	5.00 x 10 ⁻⁸
rs1895062_G	A / A	-0.05 (-)	40%	5.00 x 10 ⁻⁸
rs3861871_G	A / G	-0.02 (↓)	45%	5.00 x 10 ⁻⁸
rs17694493_G	C / C	0.10 (-)	14%	5.00 x 10 ⁻⁸
rs4880038_C	T / C	0.04 (↑)	54%	5.00 x 10 ⁻⁸
rs10975870_G	A / A	-0.02 (-)	29%	5.00 x 10 ⁻⁸
rs665889_C	T / C	0.01 (↑)	51%	5.00 x 10 ⁻⁸
rs10120432_C	T / T	0.04 (-)	10%	5.00 x 10 ⁻⁸
rs10885405_T	C / T	0.09 (↑)	47%	5.00 x 10 ⁻⁸
rs12250948_C	C / C	-0.09 (↓)	78%	5.00 x 10 ⁻⁸
rs9421410_A	G / A	0.02 (↑)	32%	5.00 x 10 ⁻⁸
rs45631580_G	A / G	-0.02 (↓)	6%	5.00 x 10 ⁻⁸
rs45631563_T	NA	-0.02 (-)	4%	5.00 x 10 ⁻⁸
rs10796139_A	G / A	0.04 (↑)	44%	5.00 x 10 ⁻⁸
rs7072776_G	G / G	0.03 (↑)	70%	5.00 x 10 ⁻⁸
rs10764337_C	C / C	-0.01 (↓)	94%	5.00 x 10 ⁻⁸
rs2384736_A	C / C	0.05 (-)	37%	5.00 x 10 ⁻⁸
rs10995201_G	G / G	-0.05 (↓)	15%	5.00 x 10 ⁻⁸
rs6479868_T	G / G	0.04 (-)	20%	5.00 x 10 ⁻⁸

rs11833376_T	C / C	-0.04 (-)	31%	5.00 x 10 ⁻⁸
rs719338_T	T / T	-0.02 (↓)	61%	5.00 x 10 ⁻⁸
rs4980029_G	A / A	0.02 (-)	17%	5.00 x 10 ⁻⁸
rs7126780_G	T / T	0.06 (-)	66%	5.00 x 10 ⁻⁸
rs626146_T	A / A	-0.04 (-)	20%	5.00 x 10 ⁻⁸
rs7121616_G	A / A	-0.04 (-)	29%	5.00 x 10 ⁻⁸
rs7939702_G	T / G	-0.09 (↓)	86%	5.00 x 10 ⁻⁸
rs11822830_G	G / G	0.07 (↑)	61%	5.00 x 10 ⁻⁸
rs10832963_G	T / G	0.06 (↑)	73%	5.00 x 10 ⁻⁸
rs4980386_A	C / C	-0.04 (-)	38%	5.00 x 10 ⁻⁸
rs4472923_T	C / C	-0.06 (-)	33%	5.00 x 10 ⁻⁸
rs10838267_A	G / G	0.02 (-)	55%	5.00 x 10 ⁻⁸
rs77047826_G	C / C	-0.03 (-)	6%	5.00 x 10 ⁻⁸
rs12287832_A	C / C	0.02 (-)	19%	5.00 x 10 ⁻⁸
rs10896047_A	A / A	0.01 (↑)	48%	5.00 x 10 ⁻⁸
rs35039974_T	A / T	0.01 (↑)	21%	5.00 x 10 ⁻⁸
rs661204_A	G / A	0.01 (↑)	14%	5.00 x 10 ⁻⁸
rs78640526_T	C / C	-0.03 (-)	9%	5.00 x 10 ⁻⁸
rs6697981_G	G / G	0.06 (↑)	52%	5.00 x 10 ⁻⁸
rs2464399_C	T / T	-0.02 (-)	41%	5.00 x 10 ⁻⁸
rs12422662_C	G / C	0.06 (↑)	27%	5.00 x 10 ⁻⁸
rs788468_T	C / C	-0.18 (-)	11%	5.00 x 10 ⁻⁸
rs7297051_T	C / C	-0.18 (-)	23%	5.00 x 10 ⁻⁸
rs2277339_G	T / T	-0.06 (-)	10%	5.00 x 10 ⁻⁸
rs17366907_G	A / A	-0.09 (-)	29%	5.00 x 10 ⁻⁸
rs66404467_A	NA	0.30 (-)	2%	5.00 x 10 ⁻⁸
rs11671833_T	NA	0.48 (-)	1%	5.00 x 10 ⁻⁸
rs9315973_G	A / G	0.09 (↑)	83%	5.00 x 10 ⁻⁸
rs12870942_C	C / C	0.07 (↑)	32%	5.00 x 10 ⁻⁸
rs2181966_G	G / G	0.08 (↑)	77%	5.00 x 10 ⁻⁸
rs4983544_G	T / G	0.06 (↑)	47%	5.00 x 10 ⁻⁸
rs34914086_A	C / A	-0.03 (↓)	20%	5.00 x 10 ⁻⁸
rs2263012_T	C / T	0.04 (↑)	45%	5.00 x 10 ⁻⁸
rs11624333_C	T / C	-0.09 (↓)	25%	5.00 x 10 ⁻⁸
rs941764_G	A / A	0.02 (-)	35%	5.00 x 10 ⁻⁸
rs78440108_T	C / C	-0.06 (-)	17%	5.00 x 10 ⁻⁸
rs144767203_C	A / A	-0.06 (-)	11%	5.00 x 10 ⁻⁸
rs187010898_A	NA	-0.10 (-)	1%	5.00 x 10 ⁻⁸
rs4774666_G	A / G	-0.06 (↓)	34%	5.00 x 10 ⁻⁸
rs8042693_A	A / A	-0.03 (↓)	64%	5.00 x 10 ⁻⁸
rs36874463_G	A / A	0.06 (-)	5%	5.00 x 10 ⁻⁸
rs8036987_C	T / C	-0.04 (↓)	26%	5.00 x 10 ⁻⁸
rs2290202_T	G / G	-0.06 (-)	13%	5.00 x 10 ⁻⁸
rs34872983_A	G / G	-0.01 (-)	7%	5.00 x 10 ⁻⁸
rs76753603_T	NA	0.07 (-)	2%	5.00 x 10 ⁻⁸
rs11076806_A	C / A	-0.06 (↓)	26%	5.00 x 10 ⁻⁸
rs36668161_A	C / A	0.12 (↑)	28%	5.00 x 10 ⁻⁸
rs4784227_T	C / T	0.11 (↑)	27%	5.00 x 10 ⁻⁸
rs66872726_T	C / T	-0.07 (↓)	41%	5.00 x 10 ⁻⁸
rs6499648_T	C / T	-0.07 (↓)	76%	5.00 x 10 ⁻⁸
rs7184673_A	G / A	-0.04 (↓)	36%	5.00 x 10 ⁻⁸
rs28639243_A	G / A	0.02 (↑)	49%	5.00 x 10 ⁻⁸
rs12709163_G	G / G	0.03 (↑)	79%	5.00 x 10 ⁻⁸
rs7600067_G	A / A	0.04 (-)	24%	5.00 x 10 ⁻⁸
rs9931038_C	T / C	-0.07 (↓)	49%	5.00 x 10 ⁻⁸
rs12449271_C	T / T	-0.03 (-)	25%	5.00 x 10 ⁻⁸
rs79461387_T	G / G	-0.04 (-)	26%	5.00 x 10 ⁻⁸
rs160637328_C	T / T	0.14 (-)	7%	5.00 x 10 ⁻⁸
rs11296_C	T / T	0.13 (-)	6%	5.00 x 10 ⁻⁸
rs17881320_T	G / T	-0.10 (↓)	8%	5.00 x 10 ⁻⁸
rs149370081_A	NA	0.17 (-)	1%	5.00 x 10 ⁻⁸

rs2787486_C	A / A	-0.02 (-)	29%	5.00 x 10 ⁻⁸
rs745570_G	A / G	-0.05 (↓)	50%	5.00 x 10 ⁻⁸
rs16976596_T	C / C	-0.06 (-)	14%	5.00 x 10 ⁻⁸
rs11665269_T	T / T	-0.01 (↓)	64%	5.00 x 10 ⁻⁸
rs1111207_C	T / T	0.04 (-)	43%	5.00 x 10 ⁻⁸
rs527616_G	G / G	0.03 (↑)	63%	5.00 x 10 ⁻⁸
rs8092192_G	C / G	0.07 (↑)	71%	5.00 x 10 ⁻⁸
rs72931898_A	NA	-0.14 (-)	4%	5.00 x 10 ⁻⁸
rs9954058_C	G / G	-0.01 (-)	7%	5.00 x 10 ⁻⁸
rs9952980_C	T / C	-0.05 (↓)	34%	5.00 x 10 ⁻⁸
rs117922601_T	G / G	0.13 (-)	5%	5.00 x 10 ⁻⁸
rs56069439_A	C / C	0.23 (-)	30%	5.00 x 10 ⁻⁸
rs10164323_T	C / C	-0.06 (-)	34%	5.00 x 10 ⁻⁸
rs56681946_C	T / C	0.07 (↑)	36%	5.00 x 10 ⁻⁸
rs4399645_C	T / C	-0.01 (↓)	60%	5.00 x 10 ⁻⁸
rs1172821_T	C / T	-0.03 (↓)	36%	5.00 x 10 ⁻⁸
rs1154723_C	C / C	-0.01 (↓)	95%	5.00 x 10 ⁻⁸
rs6030585_G	C / G	0.06 (↑)	79%	5.00 x 10 ⁻⁸
rs16991615_A	G / A	0.08 (↑)	7%	5.00 x 10 ⁻⁸
rs2822999_G	T / T	0.05 (-)	18%	5.00 x 10 ⁻⁸
rs2823130_G	A / G	0.01 (↑)	9%	5.00 x 10 ⁻⁸
rs2403907_A	C / C	-0.01 (-)	31%	5.00 x 10 ⁻⁸
rs4818836_A	NA	0.07 (-)	4%	5.00 x 10 ⁻⁸
rs9798754_T	C / C	-0.02 (-)	38%	5.00 x 10 ⁻⁸
rs17879961_G	NA	-0.66 (-)	1%	5.00 x 10 ⁻⁸
rs5997390_A	G / A	0.01 (↑)	9%	5.00 x 10 ⁻⁸
rs34134147_T	NA	0.02 (-)	2%	5.00 x 10 ⁻⁸
rs132289_G	G / G	-0.09 (↓)	98%	5.00 x 10 ⁻⁸
rs5750715_A	T / T	0.03 (-)	26%	5.00 x 10 ⁻⁸
rs9611990_T	T / T	-0.02 (↓)	11%	5.00 x 10 ⁻⁸
rs28612361_A	G / A	0.09 (↑)	11%	5.00 x 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.