

☆ Luminal A-like breast cancer (Zhang, 2020)

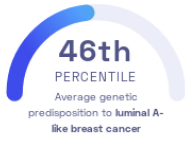
Haoyu Zhang, et al.  
Nature Genetics

Breasts Cancer

STUDY SUMMARY

Discovery of novel genetic variants associated with luminal A-like breast cancer.

YOUR RESULT



STUDY DESCRIPTION

Among women, breast cancer is the second most common type of cancer. In fact, about 13% of women in the United States develop breast cancer during their lifetime. Breast cancer types can be classified by tumor markers, such as the *receptors* found on the surface of cancer cells. Luminal A-like is a subtype of breast cancer with the best prognosis, and it accounts for 30-45% breast cancer cases. It is characterized by cancerous cells originating in the inner, or luminal, cells that line the *mammary ducts*. Moreover, this breast cancer subtype is characterized by a cancerous growth in response to excess estrogen. This genome-wide association study examined nearly 266,000 individuals of European ancestry to identify genetic variants associated with different breast cancer types, including luminal A-like breast cancer. In total, the researchers identified 330 genomic regions associated with

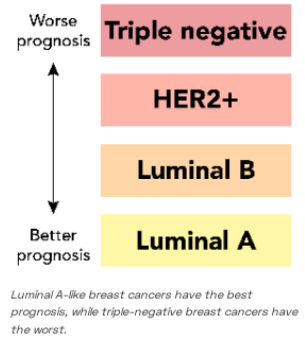
breast cancer types and used them to calculate polygenic scores. For luminal A-like breast cancer, these variants help explain 64.3% of the heritability. (The study did not provide statistical significance values for all variants. We set all values to  $5 \times 10^{-8}$ .)

DID YOU KNOW?

Studies dating back to the 1940s suggest that breast cancer is more common in the left breast than the right. However, to date, there is no consensus around why this is the case.

YOUR DETAILED RESULTS

To calculate your genetic predisposition to luminal A-like breast cancer we summed up the effects of genetic variants that were linked to luminal A-like 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 luminal A-like breast cancer. The variants highlighted in blue have **negative effect sizes** and decrease your genetic predisposition to luminal A-like breast cancer. Variants that are not highlighted are not found in your genome and do not affect your genetic predisposition to luminal A-like breast cancer. By adding up the effect sizes of the highlighted variants we **calculated your polygenic score for luminal A-like breast cancer to be -0.68**. 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 luminal A-like breast cancer is in the **46th percentile**. This means that it is higher than the polygenic scores 46% of people. We consider this to be an **average genetic predisposition to luminal A-like 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	A / A	-0.04 (↓)	74%	$5.00 \times 10^{-8}$
rs4602255_A	A / A	0.03 (↑)	45%	$5.00 \times 10^{-8}$
rs1375631_G	A / G	0.03 (↑)	50%	$5.00 \times 10^{-8}$
rs13256025_T	C / T	0.04 (↑)	21%	$5.00 \times 10^{-8}$
rs13277568_G	A / A	-0.05 (-)	37%	$5.00 \times 10^{-8}$
rs4742903_C	G / G	0.01 (-)	56%	$5.00 \times 10^{-8}$
rs11652463_G	C / C	-0.03 (-)	30%	$5.00 \times 10^{-8}$
rs495367_G	A / G	0.05 (↑)	35%	$5.00 \times 10^{-8}$
rs7924772_G	A / G	0.05 (↑)	39%	$5.00 \times 10^{-8}$
rs78378222_G	NA	0.12 (-)	1%	$5.00 \times 10^{-8}$
rs206435_C	A / C	-0.03 (↓)	51%	$5.00 \times 10^{-8}$
rs6065254_A	G / A	-0.04 (↓)	41%	$5.00 \times 10^{-8}$
rs17215231_T	C / C	-0.01 (-)	8%	$5.00 \times 10^{-8}$
rs612683_T	A / A	0.04 (-)	41%	$5.00 \times 10^{-8}$
rs616488_G	G / G	-0.03 (↓)	32%	$5.00 \times 10^{-8}$
rs7513707_A	G / G	0.06 (-)	17%	$5.00 \times 10^{-8}$
rs12406858_C	A / A	0.03 (-)	27%	$5.00 \times 10^{-8}$
rs637868_C	C / C	0.04 (↑)	53%	$5.00 \times 10^{-8}$
rs11249433_G	A / A	0.15 (-)	42%	$5.00 \times 10^{-8}$
rs111458676_G	A / A	-0.17 (-)	10%	$5.00 \times 10^{-8}$
rs11205303_C	T / T	0.07 (-)	41%	$5.00 \times 10^{-8}$
rs12091730_A	A / A	0.06 (↑)	23%	$5.00 \times 10^{-8}$
rs2992756_C	T / C	-0.06 (↓)	51%	$5.00 \times 10^{-8}$
rs35383942_T	C / C	0.11 (-)	6%	$5.00 \times 10^{-8}$
rs6686987_T	C / C	0.02 (-)	40%	$5.00 \times 10^{-8}$
rs7514172_A	T / T	0.06 (-)	28%	$5.00 \times 10^{-8}$
rs2785646_A	A / A	-0.03 (↓)	33%	$5.00 \times 10^{-8}$
rs2576261_G	T / T	0.03 (-)	33%	$5.00 \times 10^{-8}$
rs11117758_A	G / G	-0.06 (-)	21%	$5.00 \times 10^{-8}$
rs11118663_T	C / C	0.03 (-)	25%	$5.00 \times 10^{-8}$
rs72755295_G	NA	0.15 (-)	3%	$5.00 \times 10^{-8}$
rs4233486_T	C / T	0.05 (↑)	65%	$5.00 \times 10^{-8}$
rs114282204_C	NA	0.12 (-)	2%	$5.00 \times 10^{-8}$
rs707475_A	G / A	-0.03 (↓)	38%	$5.00 \times 10^{-8}$
rs17426269_A	G / G	0.06 (-)	15%	$5.00 \times 10^{-8}$
rs2151842_A	C / C	-0.04 (-)	24%	$5.00 \times 10^{-8}$
rs105790_C	T / T	0.07 (-)	10%	$5.00 \times 10^{-8}$

rs8426380_C	T / T	0.07 (-)	12%	6.00 x 10 <sup>-8</sup>
rs6746250_G	G / G	-0.02 (↓)	70%	5.00 x 10 <sup>-8</sup>
rs17625845_C	T / T	-0.02 (-)	19%	5.00 x 10 <sup>-8</sup>
rs10164550_A	G / A	-0.06 (↓)	35%	5.00 x 10 <sup>-8</sup>
rs10179592_C	C / C	0.09 (↑)	90%	5.00 x 10 <sup>-8</sup>
rs17726078_G	C / C	-0.08 (-)	47%	5.00 x 10 <sup>-8</sup>
rs1550622_G	G / G	0.05 (↑)	85%	5.00 x 10 <sup>-8</sup>
rs2356656_T	T / T	0.01 (↑)	86%	5.00 x 10 <sup>-8</sup>
rs6743383_A	T / T	-0.03 (-)	55%	5.00 x 10 <sup>-8</sup>
rs10197246_C	T / T	-0.04 (-)	71%	5.00 x 10 <sup>-8</sup>
rs4442975_T	T / T	-0.18 (↓)	48%	5.00 x 10 <sup>-8</sup>
rs11693806_G	G / G	-0.08 (↓)	72%	5.00 x 10 <sup>-8</sup>
rs3791977_A	G / A	-0.05 (↓)	39%	5.00 x 10 <sup>-8</sup>
rs4676356_A	A / A	-0.10 (↓)	98%	5.00 x 10 <sup>-8</sup>
rs6725517_G	G / G	-0.04 (↓)	40%	5.00 x 10 <sup>-8</sup>
rs12472404_C	G / C	0.03 (↑)	23%	5.00 x 10 <sup>-8</sup>
rs4322799_C	T / C	-0.02 (↓)	26%	5.00 x 10 <sup>-8</sup>
rs6766513_A	G / G	-0.04 (-)	27%	5.00 x 10 <sup>-8</sup>
rs1036759_C	G / G	0.03 (-)	31%	5.00 x 10 <sup>-8</sup>
rs58058861_A	G / A	0.07 (↑)	22%	5.00 x 10 <sup>-8</sup>
rs9882792_T	C / C	-0.04 (-)	22%	5.00 x 10 <sup>-8</sup>
rs552647_A	C / C	0.12 (-)	54%	5.00 x 10 <sup>-8</sup>
rs112476261_T	NA	-0.12 (-)	2%	5.00 x 10 <sup>-8</sup>
rs17838698_T	C / T	0.08 (↑)	30%	5.00 x 10 <sup>-8</sup>
rs56387622_C	T / T	-0.09 (-)	10%	5.00 x 10 <sup>-8</sup>
rs6762558_G	A / A	0.07 (-)	39%	5.00 x 10 <sup>-8</sup>
rs2886671_T	C / T	-0.04 (↓)	42%	5.00 x 10 <sup>-8</sup>
rs9825432_G	G / G	-0.03 (↓)	63%	5.00 x 10 <sup>-8</sup>
rs13066793_G	A / A	-0.08 (-)	9%	5.00 x 10 <sup>-8</sup>
rs639355_A	G / A	-0.04 (↓)	48%	5.00 x 10 <sup>-8</sup>
rs62331150_T	G / G	0.05 (-)	23%	5.00 x 10 <sup>-8</sup>
rs56039025_T	C / C	-0.05 (-)	11%	5.00 x 10 <sup>-8</sup>
rs28436676_A	G / G	-0.13 (-)	11%	5.00 x 10 <sup>-8</sup>
rs62334414_A	C / A	0.07 (↑)	35%	5.00 x 10 <sup>-8</sup>
rs13147907_T	A / A	0.04 (-)	45%	5.00 x 10 <sup>-8</sup>
rs10012017_T	G / G	0.05 (-)	25%	5.00 x 10 <sup>-8</sup>
rs17014016_A	G / A	0.03 (↑)	44%	5.00 x 10 <sup>-8</sup>
rs17157372_T	G / T	-0.04 (↓)	18%	5.00 x 10 <sup>-8</sup>
rs335160_A	A / A	-0.03 (↓)	74%	5.00 x 10 <sup>-8</sup>
rs1428387_T	NA	0.11 (-)	3%	5.00 x 10 <sup>-8</sup>
rs10069690_T	C / T	0.04 (↑)	26%	5.00 x 10 <sup>-8</sup>
rs6860806_G	A / A	0.04 (-)	55%	5.00 x 10 <sup>-8</sup>
rs6596100_T	C / C	-0.06 (-)	24%	5.00 x 10 <sup>-8</sup>
rs62329727_C	NA	0.18 (-)	1%	5.00 x 10 <sup>-8</sup>
rs1432679_T	T / T	-0.08 (↓)	56%	5.00 x 10 <sup>-8</sup>
rs17611291_C	G / G	-0.05 (-)	55%	5.00 x 10 <sup>-8</sup>
rs10074269_C	T / T	0.04 (-)	34%	5.00 x 10 <sup>-8</sup>
rs6864691_A	G / G	0.03 (-)	42%	5.00 x 10 <sup>-8</sup>
rs4868701_C	C / C	0.04 (↑)	54%	5.00 x 10 <sup>-8</sup>
rs4866496_A	G / G	0.05 (-)	42%	5.00 x 10 <sup>-8</sup>
rs187108781_G	A / A	-0.09 (-)	15%	5.00 x 10 <sup>-8</sup>
rs4613718_T	C / T	0.08 (↑)	61%	5.00 x 10 <sup>-8</sup>
rs10941679_G	A / A	0.18 (-)	26%	5.00 x 10 <sup>-8</sup>
rs17343002_C	G / G	-0.07 (-)	30%	5.00 x 10 <sup>-8</sup>
rs889310_T	C / T	0.05 (↑)	56%	5.00 x 10 <sup>-8</sup>
rs16886165_G	T / T	0.20 (-)	17%	5.00 x 10 <sup>-8</sup>
rs76250845_T	C / C	0.24 (-)	6%	5.00 x 10 <sup>-8</sup>
rs11949391_C	T / T	-0.11 (-)	16%	5.00 x 10 <sup>-8</sup>
rs113778879_T	C / C	-0.03 (-)	57%	5.00 x 10 <sup>-8</sup>
rs3010266_A	G / A	-0.05 (↓)	25%	5.00 x 10 <sup>-8</sup>
rs157557_C	T / T	-0.04 (-)	32%	5.00 x 10 <sup>-8</sup>
rs730500_A	C / C	0.00 (-)	45%	5.00 x 10 <sup>-8</sup>

rs332629_A	G / G	-0.09 (-)	18%	5.00 x 10 <sup>-8</sup>
rs418053_C	C / C	-0.08 (↓)	56%	5.00 x 10 <sup>-8</sup>
rs2121348_C	T / T	-0.04 (-)	20%	5.00 x 10 <sup>-8</sup>
rs6913578_C	A / A	0.06 (-)	32%	5.00 x 10 <sup>-8</sup>
rs60954078_G	A / A	0.12 (-)	8%	5.00 x 10 <sup>-8</sup>
rs851984_A	G / A	0.04 (↑)	40%	5.00 x 10 <sup>-8</sup>
rs6904031_T	A / A	0.13 (-)	7%	5.00 x 10 <sup>-8</sup>
rs910416_T	C / T	0.03 (↑)	52%	5.00 x 10 <sup>-8</sup>
rs3819405_T	C / T	-0.04 (↓)	33%	5.00 x 10 <sup>-8</sup>
rs9364472_G	C / G	-0.02 (↓)	52%	5.00 x 10 <sup>-8</sup>
rs6940159_C	T / T	0.03 (-)	62%	5.00 x 10 <sup>-8</sup>
rs12211970_A	G / A	0.04 (↑)	62%	5.00 x 10 <sup>-8</sup>
rs9358466_C	C / C	-0.05 (↓)	43%	5.00 x 10 <sup>-8</sup>
rs34196306_C	G / G	-0.07 (-)	8%	5.00 x 10 <sup>-8</sup>
rs111342015_A	G / G	-0.05 (-)	9%	5.00 x 10 <sup>-8</sup>
rs73754909_C	T / T	0.03 (-)	28%	5.00 x 10 <sup>-8</sup>
rs71559437_A	A / A	-0.05 (↓)	12%	5.00 x 10 <sup>-8</sup>
rs7800548_C	T / T	0.03 (-)	35%	5.00 x 10 <sup>-8</sup>
rs12706954_T	C / C	-0.05 (-)	37%	5.00 x 10 <sup>-8</sup>
rs68056147_A	G / G	0.06 (-)	30%	5.00 x 10 <sup>-8</sup>
rs62485509_T	G / G	-0.05 (-)	23%	5.00 x 10 <sup>-8</sup>
rs7971_G	A / G	-0.05 (↓)	35%	5.00 x 10 <sup>-8</sup>
rs289997_T	C / C	-0.04 (-)	16%	5.00 x 10 <sup>-8</sup>
rs74765302_A	G / G	-0.06 (-)	11%	5.00 x 10 <sup>-8</sup>
rs13244925_C	A / A	-0.03 (-)	54%	5.00 x 10 <sup>-8</sup>
rs17268829_C	T / T	0.04 (-)	29%	5.00 x 10 <sup>-8</sup>
rs4439053_A	G / A	-0.03 (↓)	16%	5.00 x 10 <sup>-8</sup>
rs111963714_G	T / G	0.05 (↑)	21%	5.00 x 10 <sup>-8</sup>
rs62517052_C	T / T	0.07 (-)	10%	5.00 x 10 <sup>-8</sup>
rs12546444_T	A / T	-0.10 (↓)	10%	5.00 x 10 <sup>-8</sup>
rs13267382_G	G / G	-0.04 (↓)	64%	5.00 x 10 <sup>-8</sup>
rs62526620_G	A / A	0.04 (-)	13%	5.00 x 10 <sup>-8</sup>
rs35542655_C	T / T	0.05 (-)	15%	5.00 x 10 <sup>-8</sup>
rs12541094_A	G / A	0.03 (↑)	42%	5.00 x 10 <sup>-8</sup>
rs7842619_G	T / G	0.04 (↑)	40%	5.00 x 10 <sup>-8</sup>
rs12550713_G	C / G	0.12 (↑)	42%	5.00 x 10 <sup>-8</sup>
rs10096351_G	A / G	0.13 (↑)	56%	5.00 x 10 <sup>-8</sup>
rs1016578_A	G / G	0.07 (-)	18%	5.00 x 10 <sup>-8</sup>
rs7830152_G	A / G	-0.03 (↓)	34%	5.00 x 10 <sup>-8</sup>
rs66823261_C	C / C	0.03 (↑)	22%	5.00 x 10 <sup>-8</sup>
rs1028016_G	A / G	-0.03 (↓)	64%	5.00 x 10 <sup>-8</sup>
rs310295_A	C / A	0.04 (↑)	41%	5.00 x 10 <sup>-8</sup>
rs9693444_C	A / A	-0.08 (-)	67%	5.00 x 10 <sup>-8</sup>
rs13365225_G	A / A	-0.08 (-)	18%	5.00 x 10 <sup>-8</sup>
rs1511243_G	G / G	0.07 (↑)	83%	5.00 x 10 <sup>-8</sup>
rs72658084_T	C / C	0.12 (-)	9%	5.00 x 10 <sup>-8</sup>
rs1533366_T	G / G	-0.05 (-)	36%	5.00 x 10 <sup>-8</sup>
rs10816625_G	A / A	0.12 (-)	7%	5.00 x 10 <sup>-8</sup>
rs13294895_T	T / T	0.09 (↑)	18%	5.00 x 10 <sup>-8</sup>
rs7848334_T	T / T	0.10 (↑)	61%	5.00 x 10 <sup>-8</sup>
rs630965_T	T / T	0.13 (↑)	64%	5.00 x 10 <sup>-8</sup>
rs1895062_G	A / A	-0.06 (-)	40%	5.00 x 10 <sup>-8</sup>
rs3861871_G	A / G	-0.04 (↓)	45%	5.00 x 10 <sup>-8</sup>
rs17694493_G	C / C	0.03 (-)	14%	5.00 x 10 <sup>-8</sup>
rs4880038_C	T / C	0.01 (↑)	54%	5.00 x 10 <sup>-8</sup>
rs10975870_G	A / A	0.04 (-)	29%	5.00 x 10 <sup>-8</sup>
rs665889_C	T / C	0.03 (↑)	51%	5.00 x 10 <sup>-8</sup>
rs10120432_C	T / T	0.03 (-)	10%	5.00 x 10 <sup>-8</sup>
rs10885405_T	C / T	0.05 (↑)	47%	5.00 x 10 <sup>-8</sup>
rs12250948_C	C / C	-0.08 (↓)	78%	5.00 x 10 <sup>-8</sup>
rs9421410_A	G / A	-0.07 (↓)	32%	5.00 x 10 <sup>-8</sup>
rs45671590_C	A / G	-0.04 (↓)	6%	5.00 x 10 <sup>-8</sup>

rs440631880_G	A / G	-0.21 (↓)	0%	5.00 x 10 <sup>-8</sup>
rs46631663_T	NA	-0.31 (-)	4%	5.00 x 10 <sup>-8</sup>
rs10796139_A	G / A	0.03 (↑)	44%	5.00 x 10 <sup>-8</sup>
rs7072776_G	G / G	-0.09 (↓)	70%	5.00 x 10 <sup>-8</sup>
rs10764337_C	C / C	0.07 (↑)	94%	5.00 x 10 <sup>-8</sup>
rs2384736_A	C / C	0.04 (-)	37%	5.00 x 10 <sup>-8</sup>
rs10995201_G	G / G	-0.14 (↓)	15%	5.00 x 10 <sup>-8</sup>
rs6479868_T	G / G	0.02 (-)	20%	5.00 x 10 <sup>-8</sup>
rs111833376_T	C / C	-0.03 (-)	31%	5.00 x 10 <sup>-8</sup>
rs719338_T	T / T	-0.10 (↓)	61%	5.00 x 10 <sup>-8</sup>
rs4980029_G	A / A	0.09 (-)	17%	5.00 x 10 <sup>-8</sup>
rs7126780_G	T / T	0.01 (-)	66%	5.00 x 10 <sup>-8</sup>
rs610437_C	T / C	-0.04 (↓)	62%	5.00 x 10 <sup>-8</sup>
rs626145_T	A / A	-0.03 (-)	20%	5.00 x 10 <sup>-8</sup>
rs7121616_G	A / A	-0.04 (-)	29%	5.00 x 10 <sup>-8</sup>
rs7939702_G	T / G	-0.04 (↓)	86%	5.00 x 10 <sup>-8</sup>
rs11822830_G	G / G	0.05 (↑)	61%	5.00 x 10 <sup>-8</sup>
rs10832963_G	T / G	0.03 (↑)	73%	5.00 x 10 <sup>-8</sup>
rs4980386_A	C / C	-0.08 (-)	38%	5.00 x 10 <sup>-8</sup>
rs4472923_T	C / C	-0.02 (-)	33%	5.00 x 10 <sup>-8</sup>
rs7394716_C	C / C	-0.05 (↓)	80%	5.00 x 10 <sup>-8</sup>
rs10838267_A	G / G	0.03 (-)	65%	5.00 x 10 <sup>-8</sup>
rs77047826_G	C / C	-0.07 (-)	6%	5.00 x 10 <sup>-8</sup>
rs12287832_A	C / C	0.08 (-)	19%	5.00 x 10 <sup>-8</sup>
rs10896047_A	A / A	-0.06 (↓)	48%	5.00 x 10 <sup>-8</sup>
rs35039974_T	A / T	-0.12 (↓)	21%	5.00 x 10 <sup>-8</sup>
rs661204_A	G / A	0.32 (↑)	14%	5.00 x 10 <sup>-8</sup>
rs78640526_T	C / C	0.41 (-)	9%	5.00 x 10 <sup>-8</sup>
rs6697981_G	G / G	0.04 (↑)	62%	5.00 x 10 <sup>-8</sup>
rs2464399_C	T / T	-0.10 (-)	41%	5.00 x 10 <sup>-8</sup>
rs12422662_C	G / C	0.05 (↑)	27%	5.00 x 10 <sup>-8</sup>
rs788468_T	C / C	-0.16 (-)	11%	5.00 x 10 <sup>-8</sup>
rs7297061_T	C / C	-0.13 (-)	23%	5.00 x 10 <sup>-8</sup>
rs2277339_G	T / T	-0.05 (-)	10%	5.00 x 10 <sup>-8</sup>
rs17356907_G	A / A	-0.10 (-)	29%	5.00 x 10 <sup>-8</sup>
rs66404467_A	NA	0.10 (-)	2%	5.00 x 10 <sup>-8</sup>
rs11671833_T	NA	0.16 (-)	1%	5.00 x 10 <sup>-8</sup>
rs9316973_G	A / G	0.03 (↑)	83%	5.00 x 10 <sup>-8</sup>
rs12870942_C	C / C	0.03 (↑)	32%	5.00 x 10 <sup>-8</sup>
rs2181966_G	G / G	0.04 (↑)	77%	5.00 x 10 <sup>-8</sup>
rs4983544_G	T / G	0.03 (↑)	47%	5.00 x 10 <sup>-8</sup>
rs34914086_A	C / A	-0.10 (↓)	20%	5.00 x 10 <sup>-8</sup>
rs2263012_T	C / T	0.06 (↑)	45%	5.00 x 10 <sup>-8</sup>
rs2688809_C	C / C	-0.09 (↓)	83%	5.00 x 10 <sup>-8</sup>
rs11624333_C	T / C	-0.12 (↓)	25%	5.00 x 10 <sup>-8</sup>
rs941764_G	A / A	0.06 (-)	35%	5.00 x 10 <sup>-8</sup>
rs78440108_T	C / C	-0.06 (-)	17%	5.00 x 10 <sup>-8</sup>
rs144767203_C	A / A	-0.05 (-)	11%	5.00 x 10 <sup>-8</sup>
rs187010898_A	NA	-0.16 (-)	1%	5.00 x 10 <sup>-8</sup>
rs4774666_G	A / G	-0.04 (↓)	34%	5.00 x 10 <sup>-8</sup>
rs8042593_A	A / A	-0.03 (↓)	64%	5.00 x 10 <sup>-8</sup>
rs36874463_G	A / A	0.09 (-)	5%	5.00 x 10 <sup>-8</sup>
rs8036987_C	T / C	-0.06 (↓)	26%	5.00 x 10 <sup>-8</sup>
rs2290202_T	G / G	-0.05 (-)	13%	5.00 x 10 <sup>-8</sup>
rs34872983_A	G / G	-0.08 (-)	7%	5.00 x 10 <sup>-8</sup>
rs76763603_T	NA	0.14 (-)	2%	5.00 x 10 <sup>-8</sup>
rs11076806_A	C / A	-0.02 (↓)	26%	5.00 x 10 <sup>-8</sup>
rs36688161_A	C / A	0.24 (↑)	28%	5.00 x 10 <sup>-8</sup>
rs4784227_T	C / T	0.25 (↑)	27%	5.00 x 10 <sup>-8</sup>
rs66872726_T	C / T	-0.06 (↓)	41%	5.00 x 10 <sup>-8</sup>
rs6499648_T	C / T	-0.03 (↓)	76%	5.00 x 10 <sup>-8</sup>
rs7181673_A	G / A	-0.05 (↓)	36%	5.00 x 10 <sup>-8</sup>

rs17154370_A	C / A	-0.05 (↓)	38%	5.00 x 10 <sup>-8</sup>
rs28639243_A	G / A	0.05 (↑)	49%	5.00 x 10 <sup>-8</sup>
rs12709163_G	G / G	0.00 (↓)	79%	5.00 x 10 <sup>-8</sup>
rs7500067_G	A / A	0.09 (-)	24%	5.00 x 10 <sup>-8</sup>
rs9931038_C	T / C	-0.02 (↓)	49%	5.00 x 10 <sup>-8</sup>
rs12449271_C	T / T	-0.05 (-)	25%	5.00 x 10 <sup>-8</sup>
rs79461387_T	G / G	-0.04 (-)	26%	5.00 x 10 <sup>-8</sup>
rs150537328_C	T / T	0.07 (-)	7%	5.00 x 10 <sup>-8</sup>
rs11296_C	T / T	-0.02 (-)	6%	5.00 x 10 <sup>-8</sup>
rs17881320_T	G / T	-0.05 (↓)	8%	5.00 x 10 <sup>-8</sup>
rs149370081_A	NA	0.24 (-)	1%	5.00 x 10 <sup>-8</sup>
rs2787486_C	A / A	-0.11 (-)	29%	5.00 x 10 <sup>-8</sup>
rs745570_G	A / G	-0.04 (↓)	50%	5.00 x 10 <sup>-8</sup>
rs16976596_T	C / C	-0.02 (-)	14%	5.00 x 10 <sup>-8</sup>
rs11665269_T	T / T	-0.04 (↓)	64%	5.00 x 10 <sup>-8</sup>
rs1111207_C	T / T	0.04 (-)	43%	5.00 x 10 <sup>-8</sup>
rs527016_G	G / G	0.05 (↑)	63%	5.00 x 10 <sup>-8</sup>
rs8092192_G	C / G	0.02 (↑)	71%	5.00 x 10 <sup>-8</sup>
rs72931898_A	NA	-0.08 (-)	4%	5.00 x 10 <sup>-8</sup>
rs9954058_C	G / G	-0.13 (-)	7%	5.00 x 10 <sup>-8</sup>
rs9952980_C	T / C	-0.05 (↓)	34%	5.00 x 10 <sup>-8</sup>
rs117922601_T	G / G	0.13 (-)	5%	5.00 x 10 <sup>-8</sup>
rs56069439_A	C / C	-0.01 (-)	30%	5.00 x 10 <sup>-8</sup>
rs10164323_T	C / C	-0.09 (-)	34%	5.00 x 10 <sup>-8</sup>
rs56681946_C	T / C	0.07 (↑)	36%	5.00 x 10 <sup>-8</sup>
rs4399645_C	T / C	-0.03 (↓)	60%	5.00 x 10 <sup>-8</sup>
rs1172821_T	C / T	-0.03 (↓)	36%	5.00 x 10 <sup>-8</sup>
rs1154723_C	C / C	0.07 (↑)	95%	5.00 x 10 <sup>-8</sup>
rs6030585_G	C / G	0.03 (↑)	79%	5.00 x 10 <sup>-8</sup>
rs13039563_A	G / G	0.06 (-)	24%	5.00 x 10 <sup>-8</sup>
rs16991615_A	G / A	0.07 (↑)	7%	5.00 x 10 <sup>-8</sup>
rs2822999_G	T / T	0.07 (-)	18%	5.00 x 10 <sup>-8</sup>
rs2823130_G	A / G	0.09 (↑)	9%	5.00 x 10 <sup>-8</sup>
rs2403907_A	C / C	-0.11 (-)	31%	5.00 x 10 <sup>-8</sup>
rs4818836_A	NA	0.09 (-)	4%	5.00 x 10 <sup>-8</sup>
rs9798754_T	C / C	-0.05 (-)	38%	5.00 x 10 <sup>-8</sup>
rs17879961_G	NA	0.42 (-)	1%	5.00 x 10 <sup>-8</sup>
rs5997390_A	G / A	0.10 (↑)	9%	5.00 x 10 <sup>-8</sup>
rs34134147_T	NA	0.17 (-)	2%	5.00 x 10 <sup>-8</sup>
rs132289_G	G / G	-0.19 (↓)	98%	5.00 x 10 <sup>-8</sup>
rs5750715_A	T / T	0.06 (-)	26%	5.00 x 10 <sup>-8</sup>
rs9611990_T	T / T	-0.05 (↓)	11%	5.00 x 10 <sup>-8</sup>
rs28512361_A	G / A	0.06 (↑)	11%	5.00 x 10 <sup>-8</sup>

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