

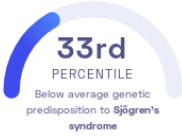
Christopher Lessard, et al.  
Nature Genetics

Mouth   Autoimmunity   Eyes

STUDY SUMMARY

Identification of 7 genomic regions associated with Sjögren's syndrome risk.

YOUR RESULT



Sjögren's syndrome.

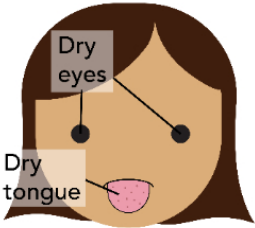
DID YOU KNOW?

As a result of dry mouth caused by Sjögren's syndrome, affected individuals are at an increased risk of developing cavities and tooth loss. Regular dental care is highly recommended to Sjögren's syndrome patients. Drinking water, chewing gum, and other methods to stimulate saliva production can also help.

YOUR DETAILED RESULTS

To calculate your genetic predisposition to Sjögren's syndrome we summed up the effects of genetic variants that were linked to Sjögren's syndrome 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 Sjögren's syndrome. The variants highlighted in blue have **negative effects sizes** and decrease your genetic predisposition to Sjögren's syndrome. Variants that are not highlighted are not found in your genome and do not affect your genetic predisposition to Sjögren's syndrome. By adding up the effect sizes of the highlighted variants **we calculated your polygenic score for Sjögren's syndrome to be -0.67**. 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 Sjögren's syndrome is in the **33rd percentile**. This means that it is higher than the polygenic scores 33% of people. We consider this to be a **below average genetic predisposition to Sjögren's syndrome**. 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 <sup>Ⓢ</sup>	YOUR GENOTYPE <sup>Ⓢ</sup>	EFFECT SIZE <sup>Ⓢ</sup>	VARIANT FREQUENCY <sup>Ⓢ</sup>	SIGNIFICANCE <sup>Ⓢ</sup>
rs9271588_C	T / C	-0.89 (↓)	48%	1.37 x 10 <sup>-85</sup>
rs3757387_C <sup>NEW</sup>	T / C	0.36 (↑)	45%	2.73 x 10 <sup>-19</sup>
rs10553577_T <sup>NEW</sup>	ATAATAATAATAATAATA / ATAATAATAATAATAATA	0.36 (-)	23%	6.80 x 10 <sup>-15</sup>
rs485497_A <sup>NEW</sup>	G / G	0.26 (-)	48%	1.17 x 10 <sup>-10</sup>
rs2736345_G <sup>NEW</sup>	A / G	0.26 (↑)	29%	4.97 x 10 <sup>-10</sup>
rs7119038_G <sup>NEW</sup>	G / A	-0.30 (↓)	23%	1.10 x 10 <sup>-8</sup>
rs6579837_T <sup>NEW</sup>	G / G	0.36 (-)	9%	3.30 x 10 <sup>-8</sup>



Dry eyes and tongue are typical symptoms of Sjögren's syndrome.