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☆ Fainting (Hadji-Turdeghal, 2019)

Katra Hadji-Turdeghal, et al.
Cardiovascular Research

Brain Vasculature

STUDY SUMMARY

Genome-wide analysis reveals a novel genetic loci correlated with fainting.

STUDY DESCRIPTION

Fainting is a temporary loss of consciousness. This common condition typically occurs when there is an insufficient flow of blood to the brain. Previous studies have suggested that fainting may be heritable, yet few genetic loci correlated to the condition have been identified. This study examined 408,961 individuals of European ancestry and found a variant near the ZNF804A gene that appears to correlate with an increased risk of fainting. While the exact function of this gene remains unknown, it appears to be primarily expressed in the blood vessels of the brain. Additionally, ZNF804A has previously been associated with multiple mental disorders, including schizophrenia and bipolar disorder.

DID YOU KNOW?

Getting up slowly after sitting or lying-down and not skipping meals can help reduce the risk of fainting. If you have a history of fainting, knowing your triggers (such as fear, dehydration, or pain) can help prevent future episodes.

YOUR DETAILED RESULTS

The variants highlighted in green have **positive effect sizes** and increase your genetic predisposition to fainting. The variants highlighted in blue have **negative effects sizes** and decrease your genetic predisposition to fainting. Variants that are not highlighted are not found in your genome and do not affect your genetic predisposition to fainting. 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 [ⓘ]
rs12465214_C 	A / A	0.12 [-]	45%	5.78×10^{-15}