

Hay fever and/or eczema

Johansson A (2019) Hum Mol Genet

Study summary

External references

OMAS Catalog: GCS7099717

PubMed ID: 31581310

Study size

N Study

N Replication

N Cases

323,641

1

84,819

Association information

Pooled test results from gene permutation analysis

Lead Variant	P-value	Rank	ORs, Ratio	95% Confidence Interval	Candidate Set Size	LD Set Size	LD ²	Closest Gene	Calibration	View
4_38759864_A_G	1.0e-72		0.87	(0.86, 0.88)	115	115	0.87	SLC121		Gene Permutation
11_76552081_C_T	4.0e-70	11		(1.1, 1.6)	58			LRRC31		Gene Permutation
2_32233608_T_A	1.0e-63				98			SLMO1, SMO1		Gene Permutation
5_77123951_C_T	2.0e-58		0.81	(0.80, 0.82)	67			BCOR3		Gene Permutation
6_74872772_T_C	5.0e-52	11		(1.1, 1.2)	147			TMEM132, TMEM232		Gene Permutation
5_34175925_G_A	2.0e-51		0.80	(0.80, 0.80)	20			EDH004, GALNT3		Gene Permutation
13_35178937_C_T	1.0e-48		0.81	(0.80, 0.82)	58			SLC7		Gene Permutation
6_33854574_C_T	7.0e-45		0.81	(0.80, 0.82)	79			SLC4-DG1, SLC4-DG1		Gene Permutation
10_71215154_G_A	1.0e-38		0.81	(0.80, 0.82)	103			SLC121		Gene Permutation
5_32233266_C_G	2.0e-33				167			SLC121, SLC121		Gene Permutation

1.0e-150 10 1 2

Asthma (childhood onset)

Termins MAR (2018) Am J Hum Genet

Study summary

External references

OMAS Catalog: GCS7007890

PubMed ID: 30929780

Study size

N Study

N Replication

N Cases

314,615

248,616

13,999

Association information

Pooled test results from gene permutation analysis

Lead Variant	P-value	Rank	ORs, Ratio	95% Confidence Interval	Candidate Set Size	LD Set Size	LD ²	Closest Gene	Calibration	View
12_39005186_T_C	1.0e-115		0.27	(0.25, 0.28)	147			CDH6		Gene Permutation
2_702388391_C_T	1.0e-67		0.26	(0.26, 0.27)	98			SLMO1		Gene Permutation
12_39004455_C_T	4.4e-57		0.45	(0.44, 0.47)	5			CD3		Gene Permutation
1_762308476_C_T	4.4e-53		0.52	(0.49, 0.55)	5			HNR		Gene Permutation
2_702318505_G_A	1.0e-51		0.30	(0.30, 0.31)	5			SLMO1		Gene Permutation
2_702342088_T_C	4.0e-49		0.28	(0.28, 0.29)	47					Gene Permutation
1_551475022_A_G	1.0e-46		0.27	(0.25, 0.28)	9			CD34		Gene Permutation
1_76231764_G_A	2.3e-48		0.57	(0.49, 0.59)	5			SLMO1		Gene Permutation
4_34875702_C_G	5.0e-45		0.30	(0.28, 0.31)	5			SLC121		Gene Permutation
2_32233266_C_G	1.0e-41		0.29	(0.28, 0.30)	7			SLC121		Gene Permutation

1.0e-150 10 1 2

I am glad to see, however, that [my criticism of the ORMDL3 hype](#) has been taken up [by other authors as well](#)

In the first report of the association of the 17q21 locus with asthma, Moffatt et al. suggested ORMDL3 as a promising candidate on the basis of gene expression studies in EBV-transformed lymphoblastoid cell lines 5. However, the function of ORMDL3 remains to be fully elucidated and it is possible that other genes in this region, or more distant genes, contain the true causal variants.

while ORMDL3 isn't appearing at all in the above analysis. So ORMDL3 seems to suffer the same fate as [FcER1b/MS4A2](#) identified by the same group.