

EWAS-eQTM Integration via the EWAS Atlas

Reference: Mengwei Li, Dong Zou, Zhaohua Li, Ran Gao, Jian Sang, Yuansheng Zhang, Rujiao Li, Lin Xia, Tao Zhang, Guangyi Niu, Yiming Bao, Zhang Zhang, EWAS Atlas: a curated knowledgebase of epigenome-wide association studies, *Nucleic Acids Research*, Volume 47, Issue D1, 08 January 2019, Pages D983–D988, <https://doi.org/10.1093/nar/gky1027>

View **EWAS Atlas associations** in tandem with your CpG of interest and view eQTM association overlaps. Click **Load Example** to autofill a known CpG-trait example.

Instructions:

1. Enter a **CpG ID** and optionally, a **trait keyword** (e.g., asthma, type 1 diabetes).
2. Select an **eQTM cohort** for reference (required).
3. Click **Search EWAS Atlas** to retrieve EWAS associations and eQTM overlaps.
4. View results in a sortable, searchable, and scrollable layout:
 - EWAS-Atlas results
 - Matched eQTM genes (if available)
 - Statistical significance for EWAS associations and eQTMs
5. Click the **Download EWAS Associations** button on each tab to export data as a .csv file.
6. When you are ready for another search, please click **Reset Search** before starting a new query.

eQTM-Catalog

Enter CpG ID:

cg00117599

Enter Trait Keyword:

atopy

eQTM Cohort (Required):

EVA-PR

Search EWAS Atlas

Load Example (trait optional)

Reset Search

EWAS Associations

Download EWAS Associations

Show 20 entries

Search:

probe_ID	trait	EWAS_pvalue	study_ID	eQTM_gene	cohort	tissue	eQTM_pvalue	eQTM_FDR
cg00117599	atopy	4.24e-8	ES01031	A2M	EVA-PR	Nasal Epithelium	1.125808448989562e-7	0.001561916344802271
cg00117599	atopy	4.24e-8	ES01031	A4GALT	EVA-PR	Nasal Epithelium	0.000006256759231843555	0.02587018730768842
cg00117599	atopy	4.24e-8	ES01031	AACS	EVA-PR	Nasal Epithelium	0.000002481450173343891	0.01403718804219125
cg00117599	atopy	4.24e-8	ES01031	ABCB1	EVA-PR	Nasal Epithelium	8.063348608384757e-7	0.00646073657011834
cg00117599	atopy	4.24e-8	ES01031	ABHD17C	EVA-PR	Nasal Epithelium	7.038741426516488e-8	0.001103332305638393
cg00117599	atopy	4.24e-8	ES01031	ABHD2	EVA-PR	Nasal Epithelium	0.000005506437039245959	0.02381752374977076
cg00117599	atopy	4.24e-8	ES01031	ABO	EVA-PR	Nasal Epithelium	0.000002845867741797982	0.01539528479769368
cg00117599	atopy	4.24e-8	ES01031	ACBD4	EVA-PR	Nasal Epithelium	0.00000433507716042423	0.02036054157665624
cg00117599	atopy	4.24e-8	ES01031	ACKR4	EVA-PR	Nasal Epithelium	0.000008209794787850222	0.03079738385009363
cg00117599	atopy	4.24e-8	ES01031	ACTR6	EVA-PR	Nasal Epithelium	0.000003310513328863047	0.01703237131165642
cg00117599	atopy	4.24e-8	ES01031	ADA	EVA-PR	Nasal Epithelium	0.000002267440700184808	0.01320418068866392
cg00117599	atopy	4.24e-8	ES01031	ADAMDEC1	EVA-PR	Nasal Epithelium	0.000003115766549547303	0.01635892350517708
cg00117599	atopy	4.24e-8	ES01031	ADAMTS17	EVA-PR	Nasal Epithelium	0.00000232238280680423	0.01341965512090871
cg00117599	atopy	4.24e-8	ES01031	ADAMTS9	EVA-PR	Nasal Epithelium	1.992313000826888e-9	0.00007468675679381453
cg00117599	atopy	4.24e-8	ES01031	ADCY6	EVA-PR	Nasal Epithelium	6.701932942432822e-8	0.001063894922855836
cg00117599	atopy	4.24e-8	ES01031	ADCY9	EVA-PR	Nasal Epithelium	2.69924251381924e-8	0.0005392836680882328
cg00117599	atopy	4.24e-8	ES01031	ADGRG1	EVA-PR	Nasal Epithelium	0.00001422369499661213	0.04340875201019223
cg00117599	atopy	4.24e-8	ES01031	ADGRL1	EVA-PR	Nasal Epithelium	0.000006488156610248913	0.026485659557526
cg00117599	atopy	4.24e-8	ES01031	ADM2	EVA-PR	Nasal Epithelium	0.000005600992144833791	0.02408166134060922
cg00117599	atopy	4.24e-8	ES01031	ADRA2A	EVA-PR	Nasal Epithelium	1.689255579841433e-8	0.0003791096111846119

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