

Start Tutorial

Genome Version

hg19

1 Phenotype

- ☐ AD Biomarkers
- ☐ AD Neuropathology
- ☒ Aging
- ☒ Dementia Clinical Diagnosis
- ☐ Mild Cognitive Impairment (MCI)
- ☐ Sex

Datasets

Display Data

Display Plot

Download Tables

2 Selected Datasets

Show 10 entries

Dataset	Description	Author	Year	PMID	Source	Filter
SIC	Blood DNAm associated with Alzheimer's disease	Silva	2022	35982059	ADNI + AIBL	pValue < 1e-05
MCA	Blood DNAm associated with chronological age	McCartney	2020	31892350	Generation Scotland, Discovery	FDR < 5e-02
MCA	Blood DNAm associated with chronological age	McCartney	2020	31892350	Generation Scotland, Replication	FDR < 5e-02

Showing 1 to 3 of 3 entries

To perform pathway analysis of selected CpGs,

Download Tables

and use

eFORGE

4 Annotated CpGs

Explore Top 10 CpGs

Show 10 entries

CpG	chr	pos	Illumina	dataset	sample_group	phenotype	sex_specific	statistics	direction	statistics_value	pValue
cg06968164	chr13	45629698		SIC	ADNI + AIBL	AD	No	OR for AD (meta-analysis)	-	0.929	9.64e-06
cg06968164	chr13	45629698		MCA	Generation Scotland, Discovery	Aging	No	estimate for age effect	-	-0.002	4.13e-10
cg06968164	chr13	45629698		MCA	Generation Scotland, Replication	Aging	No	estimate for age effect	-	-0.007	< 1e-256
cg00848167	chr15	89921898	LOC254559	SIC	ADNI + AIBL	AD	No	OR for AD (meta-analysis)	-	0.894	1.04e-06
cg00848167	chr15	89921898	LOC254559	MCA	Generation Scotland, Discovery	Aging	No	estimate for age effect	+	0.013	3.04e-145
cg00848167	chr15	89921898	LOC254559	MCA	Generation Scotland, Replication	Aging	No	estimate for age effect	+	0.01	2.34e-206
cg21821767	chr17	9769170	GLP2R	SIC	ADNI + AIBL	AD	No	OR for AD (meta-analysis)	-	0.919	5.00e-06
cg21821767	chr17	9769170	GLP2R	MCA	Generation Scotland, Discovery	Aging	No	estimate for age effect	-	-0.006	1.30e-51
cg21821767	chr17	9769170	GLP2R	MCA	Generation Scotland, Replication	Aging	No	estimate for age effect	-	-0.007	4.91e-159
cg10875957	chr6	41122461	TREML1	SIC	ADNI + AIBL	AD	No	OR for AD (meta-analysis)	-	0.899	2.78e-06

Showing 1 to 10 of 81 entries

Genome-wide Query

Datasets

Display Data

Display Plot

5

Venn Diagram

Manhattan Plots

SIC (ADNI + AIBL)

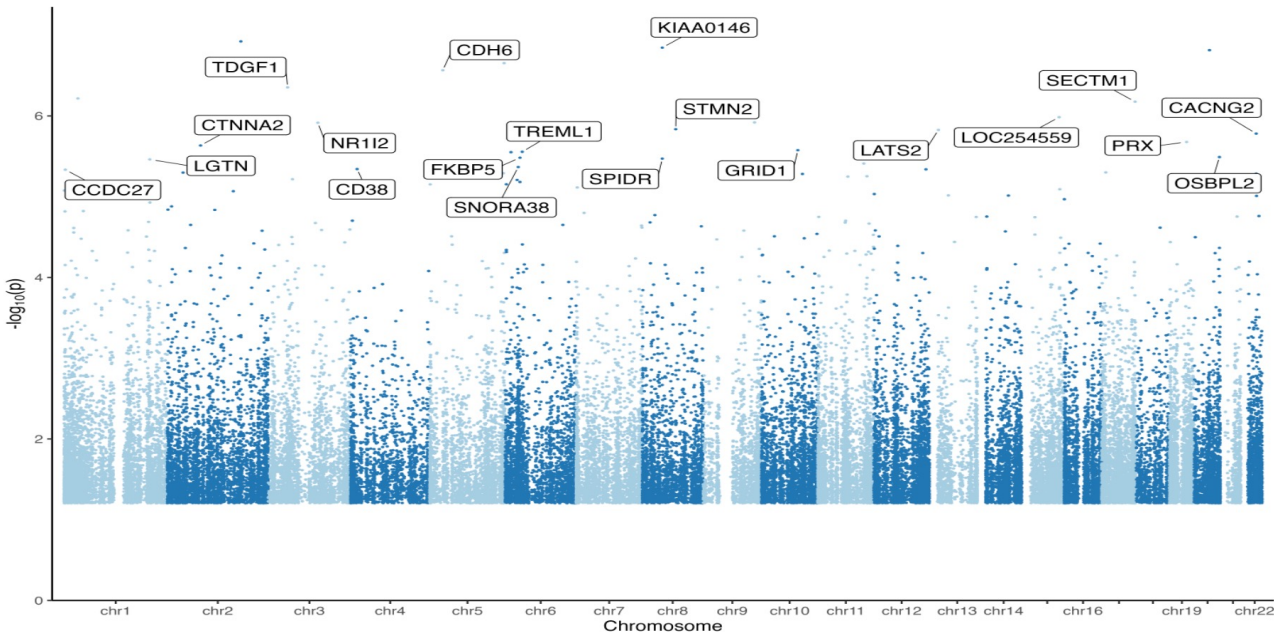
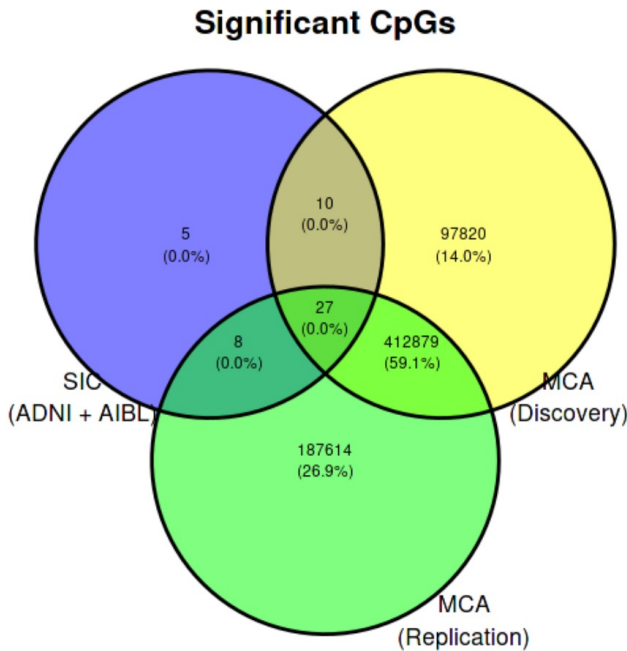


Figure 1 Workflow for Genome-wide Query tool.