



INSTITUTE FOR
CARDIOGENETICS

GWAS Navigator

A tool to visualize GWAS summary statistics for intuitive exploration.

GWAS data for coronary artery disease. Annotated with associated phenotypes from GWAS catalog, genomic features from ensembl.org, aligned with scATAC-seq data from CATlas as well as promotor enhancer interactions in form of ABC scores.

SNP input

Gene input

Select a SNP

rs2161967

17:45:47 ✓ rs2161967 is a viable SNP

name

Generate plot for rs2161967

Plot



INFO

Population for LD structure:

ALL

CATlas tracks

- ☒ A Cardiomyocyte
- ☒ Acinar
- ☒ Adipocyte
- ☒ Airway Goblet
- ☒ Alpha 1
- ☒ Alpha 2
- ☒ Alveolar Cap Endo
- ☒ Alveolar Type 1
- ☒ Alveolar Type 2 (Immune)
- ☒ Alveolar Type 2
- ☒ Astrocyte 1
- ☒ Astrocyte 2
- ☒ BBB Endothelial
- ☒ Beta 1
- ☒ Beta 2
- ☒ Cardiac Fibroblast
- ☒ Cardiac Pericyte 1
- ☒ Cardiac Pericyte 2
- ☒ Cardiac Pericyte 3
- ☒ Cardiac Pericyte 4
- ☒ Chief
- ☒ Ciliated
- ☒ Club
- ☒ Colon Epithelial 1
- ☒ Colon Epithelial 2
- ☒ Colon Epithelial 3

- ☒ Colon Goblet
- ☒ Cortical Epithelial
- ☒ Delta+Gamma
- ☒ Ductal
- ☒ Endocardial
- ☒ Endothelial Exocrine
- ☒ Endothelial General 1
- ☒ Endothelial General 2
- ☒ Endothelial General 3
- ☒ Endothelial Myocardial
- ☒ Enteric Neuron
- ☒ Enterochromaffin
- ☒ Enterocyte
- ☒ Esophageal Epithelial
- ☒ Fasciculata
- ☒ Fetal A Cardiomyocyte
- ☒ Fetal Acinar 1
- ☒ Fetal Acinar 2
- ☒ Fetal Adrenal Cortical
- ☒ Fetal Adrenal Neuron
- ☒ Fetal Alveolar Cap Endo
- ☒ Fetal Alveolar Epithelial 1
- ☒ Fetal Alveolar Epithelial 2
- ☒ Fetal Astrocyte 1
- ☒ Fetal Astrocyte 2
- ☒ Fetal Astrocyte 3
- ☒ Fetal Astrocyte 4
- ☒ Fetal Astrocyte 5
- ☒ Fetal B Lymphocyte 1 (SPIB+)
- ☒ Fetal B Lymphocyte 2 (CXCR5+)
- ☒ Fetal B Lymphocyte 3 (NPY+)
- ☒ Fetal Cardiac Fibroblast
- ☒ Fetal Cholangiocyte
- ☒ Fetal Chromaffin
- ☒ Fetal Ciliated
- ☒ Fetal Ductal
- ☒ Fetal Endocardial
- ☒ Fetal Endothelial General 1
- ☒ Fetal Endothelial General 2
- ☒ Fetal Endothelial General 3
- ☒ Fetal Endothelial Hepatic 1
- ☒ Fetal Endothelial Hepatic 2
- ☒ Fetal Endothelial Placental
- ☒ Fetal Enteric Glia
- ☒ Fetal Enteric Neuron
- ☒ Fetal Enterocyte 1
- ☒ Fetal Enterocyte 2
- ☒ Fetal Enterocyte 3
- ☒ Fetal Enteroendocrine
- ☒ Fetal Erythroblast 1
- ☒ Fetal Erythroblast 2
- ☒ Fetal Erythroblast 3
- ☒ Fetal Erythroblast 4
- ☒ Fetal Erythroblast 5
- ☒ Fetal Excitatory Neuron 1
- ☒ Fetal Excitatory Neuron 2
- ☒ Fetal Excitatory Neuron 3

- ✓ Fetal Excitatory Neuron 3
- ✓ Fetal Excitatory Neuron 4
- ✓ Fetal Excitatory Neuron 5
- ✓ Fetal Excitatory Neuron 6
- ✓ Fetal Excitatory Neuron 7
- ✓ Fetal Excitatory Neuron 8
- ✓ Fetal Excitatory Neuron 9
- ✓ Fetal Excitatory Neuron 10
- ✓ Fetal Excitatory Neuron 11
- ✓ Fetal Excitatory Neuron 12
- ✓ Fetal Extravillous Trophoblast
- ✓ Fetal Fibro GI
- ✓ Fetal Fibro General 1
- ✓ Fetal Fibro General 2
- ✓ Fetal Fibro General 3
- ✓ Fetal Fibro General 4
- ✓ Fetal Fibro General 5
- ✓ Fetal Fibro Muscle 1
- ✓ Fetal Fibro Placental 1
- ✓ Fetal Fibro Placental 2
- ✓ Fetal Fibro Splenic
- ✓ Fetal Gastri Goblet
- ✓ Fetal Goblet
- ✓ Fetal Hematopoietic Stem
- ✓ Fetal Hepatoblast
- ✓ Fetal Inhibitory Neuron 1
- ✓ Fetal Inhibitory Neuron 2
- ✓ Fetal Inhibitory Neuron 3
- ✓ Fetal Inhibitory Neuron 4
- ✓ Fetal Inhibitory Neuron 5
- ✓ Fetal Islet
- ✓ Fetal Lymphatic
- ✓ Fetal Macrophage General 1
- ✓ Fetal Macrophage General 2
- ✓ Fetal Macrophage General 3
- ✓ Fetal Macrophage General 4
- ✓ Fetal Macrophage Hepatic 1
- ✓ Fetal Macrophage Hepatic 2
- ✓ Fetal Macrophage Hepatic 3
- ✓ Fetal Macrophage Placental
- ✓ Fetal Megakaryocyte
- ✓ Fetal Mesangial 1
- ✓ Fetal Mesangial 2
- ✓ Fetal Mesothelial
- ✓ Fetal Metanephric
- ✓ Fetal Oligo Progenitor 2
- ✓ Fetal Parietal+Chief
- ✓ Fetal Photoreceptor
- ✓ Fetal Placental Neuron
- ✓ Fetal Pulmonary Neuroendocrine
- ✓ Fetal Retinal Neuron
- ✓ Fetal Retinal Pigment
- ✓ Fetal Retinal Progenitor 1
- ✓ Fetal Retinal Progenitor 2
- ✓ Fetal Satellite 1
- ✓ Fetal Satellite 2
- ✓ Fetal Schwann General

- ✓ Fetal Skeletal Myocyte 1
 - ✓ Fetal Skeletal Myocyte 2
 - ✓ Fetal Skeletal Myocyte 3
 - ✓ Fetal Stellate
 - ✓ Fetal Sympathoblast
 - ✓ Fetal Syncitio+Cytotrophoblast
 - ✓ Fetal T Lymphocyte 1 (CD4+)
 - ✓ Fetal T Lymphocyte 2 (Cytotoxic)
 - ✓ Fetal T Lymphocyte 3 (IL2+)
 - ✓ Fetal T Lymphocyte 4 (FASLG+)
 - ✓ Fetal Thymocyte
 - ✓ Fetal Ureteric Bud
 - ✓ Fetal V Cardiomyocyte
 - ✓ Fibro Epithelial
 - ✓ Fibro GI
 - ✓ Fibro General
 - ✓ Fibro Liver Adrenal
 - ✓ Fibro Muscle
 - ✓ Fibro Nerve
 - ✓ Follicular
 - ✓ Foveolar
 - ✓ GABA 1
 - ✓ GABA 2
 - ✓ Gastric Neuroendocrine
 - ✓ Glomerulosa
 - ✓ Glutamatergic 1
 - ✓ Glutamatergic 2
 - ✓ Hepatocyte
 - ✓ Keratinocyte 1
 - ✓ Keratinocyte 2
 - ✓ Luteal
 - ✓ Lymphatic
 - ✓ Macrophage General
 - ✓ Macrophage Gen or Alv
 - ✓ Mammary Basal Epi
 - ✓ Mammary Epithelial
 - ✓ Mammary Luminal Epi 1
 - ✓ Mammary Luminal Epi 2
 - ✓ Mast
 - ✓ Melanocyte
 - ✓ Memory B
 - ✓ Mesothelial
 - ✓ Microglia
 - ✓ Myoepithelial
 - ✓ Naive T
 - ✓ Natural Killer T
 - ✓ Nerve Stromal
 - ✓ Oligo Precursor
 - ✓ Oligodendrocyte
 - ✓ Paneth
 - ✓ Parietal
 - ✓ Pericyte General 1
 - ✓ Pericyte General 2
 - ✓ Pericyte General 3
 - ✓ Pericyte General 4
 - ✓ Pericyte Muscularis
-

- ☒ Plasma B
- ☒ SI Goblet
- ☒ Satellite
- ☒ Schwann General
- ☒ Skin Basal Epidermal
- ☒ Skin Eccrine Epidermal
- ☒ Skin Granular Epidermal
- ☒ Sm Ms Colon 1
- ☒ Sm Ms Colon 2
- ☒ Sm Ms GE junction
- ☒ Sm Ms GI
- ☒ Sm Ms General
- ☒ Sm Ms Mucosal
- ☒ Sm Ms Muscularis 1
- ☒ Sm Ms Muscularis 2
- ☒ Sm Ms Muscularis 3
- ☒ Sm Ms Uterine
- ☒ Sm Ms Vaginal
- ☒ T Lymphocyte 1 (CD8+)
- ☒ T lymphocyte 2 (CD4+)
- ☒ Transitional Cortical
- ☒ Tuft
- ☒ Type II Skeletal Myocyte
- ☒ Type I Skeletal Myocyte
- ☒ V Cardiomyocyte
- ☒ Vasc Sm Muscle 1
- ☒ Vasc Sm Muscle 2

scATAC-seq tracks

- ☒ Endothelial
- ☒ Fibroblast
- ☒ Macrophage
- ☒ Mast
- ☒ Pericyte
- ☒ Plasma
- ☒ SMC
- ☒ T

ABC tracks

- ☒ brite_adipose-Loft2014
- ☒ white_adipose-Loft2014
- ☒ OCI-LY7-ENCODE
- ☒ A673-ENCODE
- ☒ dendritic_cell_treated_with_Lipopolysaccharide_100_ng-mL_for_2_hour-Garber2017
- ☒ MM.1S-ENCODE
- ☒ uterus-ENCODE
- ☒ gastrocnemius_medialis-ENCODE
- ☒ body_of_pancreas-ENCODE
- ☒ osteoblast-ENCODE
- ☒ spinal_cord_fetal-ENCODE
- ☒ H1_Derived_Neuronal_Progenitor_Cultured_Cells-Roadmap
- ☒ psoas_muscle-Roadmap
- ☒ fibroblast_of_arm-ENCODE
- ☒ T-cell-ENCODE
- ☒ stomach_fetal-Roadmap
- ☒ muscle_of_trunk_fetal-Roadmap

- ✓ CD14-positive_monocyte-ENCODE
- ✓ myotube_originated_from_skeletal_muscle_myoblast-Roadmap
- ✓ muscle_of_leg_fetal-Roadmap
- ✓ bipolar_neuron_from_iPSC-ENCODE
- ✓ CD56-positive_natural_killer_cells-Roadmap
- ✓ ovary-Roadmap
- ✓ adrenal_gland_fetal-ENCODE
- ✓ CD8-positive_alpha-beta_T_cell-ENCODE
- ✓ CD34-positive_mobilized-Roadmap
- ✓ Karpas-422-ENCODE
- ✓ CD3-positive_T_cell-Roadmap
- ✓ keratinocyte-Roadmap
- ✓ fibroblast_of_dermis-Roadmap
- ✓ HAP1
- ✓ HCT116-ENCODE
- ✓ iPS_DF_19.11_Cell_Line-Roadmap
- ✓ dendritic_cell_treated_with_Lipopolysaccharide_100_ng-mL_for_1_hour-Garber2017
- ✓ erythroblast-Corces2016
- ✓ Jurkat_anti-CD3_PMA_4hr-Engreitz
- ✓ SK-N-SH-ENCODE
- ✓ LoVo
- ✓ coronary_artery-ENCODE
- ✓ CD14-positive_monocyte_treated_with_RPMI_4h-Novakovic2016
- ✓ CD14-positive_monocyte_treated_with_RPMI_1h-Novakovic2016
- ✓ NCCIT
- ✓ THP_pmaLPS_ATAC_72h
- ✓ CD14-positive_monocyte_treated_with_LPS_d6-Novakovic2016
- ✓ THP_pmaLPS_ATAC_96h
- ✓ CD14-positive_monocyte_treated_with_RPMI_d1-Novakovic2016
- ✓ H7
- ✓ CD8-positive_alpha-beta_T_cell-Corces2016
- ✓ CD14-positive_monocyte_treated_with_RPMI_d6-Novakovic2016
- ✓ THP_pmaLPS_ATAC_120h
- ✓ CD14-positive_monocytes-Roadmap
- ✓ LNCAP
- ✓ CD19-positive_B_cell-Roadmap
- ✓ CD4-positive_helper_T_cell-ENCODE
- ✓ CD4-positive_helper_T_cell-Corces2016
- ✓ HT29
- ✓ adipose_tissue-ENCODE
- ✓ adrenal_gland-ENCODE
- ✓ astrocyte-ENCODE
- ✓ B_cell-ENCODE
- ✓ placenta-Roadmap
- ✓ BJAB-Engreitz
- ✓ BJAB_anti-IgM_anti-CD40_4hr-Engreitz
- ✓ PC-9-ENCODE
- ✓ breast_epithelium-ENCODE
- ✓ pancreas-Roadmap
- ✓ Panc1-ENCODE
- ✓ cardiac_muscle_cell-ENCODE
- ✓ CD14-positive_monocyte-Novakovic2016
- ✓ CD14-positive_monocyte_treated_with_BG_1h-Novakovic2016
- ✓ CD14-positive_monocyte_treated_with_BG_4h-Novakovic2016
- ✓ CD14-positive_monocyte_treated_with_BG_d1-Novakovic2016
- ✓ CD14-positive_monocyte_treated_with_BG_d6-Novakovic2016
- ✓ CD14-positive_monocyte_treated_with_IPS_1h-Novakovic2016

- ✓ CD14-positive_monocyte_treated_with_LPS_4h-Novakovic2016
- ✓ CD14-positive_monocyte_treated_with_LPS_4h-Novakovic2016
- ✓ MDA-MB-231
- ✓ CD14-positive_monocyte_treated_with_LPS_d1-Novakovic2016
- ✓ transverse_colon-ENCODE
- ✓ H1-hESC-Roadmap
- ✓ H9-Roadmap
- ✓ thyroid_gland-ENCODE
- ✓ heart_ventricle-ENCODE
- ✓ thymus_fetal-Roadmap
- ✓ HeLa-S3-Roadmap
- ✓ hepatocyte-ENCODE
- ✓ HepG2-Roadmap
- ✓ THP1_LPS_4hr-Engreitz
- ✓ IMR90-Roadmap
- ✓ induced_pluripotent_stem_cell-ENCODE
- ✓ THP1-Engreitz
- ✓ THP-1_monocyte-VanBortle2017
- ✓ Jurkat-Engreitz
- ✓ THP-1_macrophage-VanBortle2017
- ✓ K562-Roadmap
- ✓ small_intestine_fetal-Roadmap
- ✓ large_intestine_fetal-Roadmap
- ✓ liver-ENCODE
- ✓ stomach-Roadmap
- ✓ mammary_epithelial_cell-Roadmap
- ✓ MCF-7-ENCODE
- ✓ MCF10A-Ji2017
- ✓ MCF10A_treated_with_TAM24hr-Ji2017
- ✓ spleen-ENCODE
- ✓ megakaryocyte-erythroid_progenitor-Corces2016
- ✓ coronary_artery_smooth_muscle_cell-Miller2016
- ✓ dendritic_cell_treated_with_Lipopolysaccharide_0_ng-mL_for_0_hour-Garber2017
- ✓ THP_pmaLPS_ATAC_48h
- ✓ THP_pmaLPS_ATAC_24h
- ✓ dendritic_cell_treated_with_Lipopolysaccharide_100_ng-mL_for_30_minute-Garber2017
- ✓ dendritic_cell_treated_with_Lipopolysaccharide_100_ng-mL_for_4_hour-Garber2017
- ✓ THP_pmaLPS_ATAC_12h
- ✓ dendritic_cell_treated_with_Lipopolysaccharide_100_ng-mL_for_6_hour-Garber2017
- ✓ THP_pmaLPS_ATAC_6h
- ✓ endothelial_cell_of_umbilical_vein-Roadmap
- ✓ THP_pmaLPS_ATAC_2h
- ✓ epithelial_cell_of_prostate-ENCODE
- ✓ THP_pmaLPS_ATAC_1h
- ✓ sigmoid_colon-ENCODE
- ✓ THP_pmaLPS_ATAC_0h
- ✓ fibroblast_of_lung-Roadmap
- ✓ natural_killer_cell-Corces2016
- ✓ foreskin_fibroblast-Roadmap
- ✓ skeletal_muscle_myoblast-Roadmap
- ✓ U937_LPS_4hr-Engreitz
- ✓ GM12878-Roadmap
- ✓ H1_BMP4_Derived_Mesendoderm_Cultured_Cells-Roadmap
- ✓ U937-Engreitz
- ✓ H1_BMP4_Derived_Trophoblast_Cultured_Cells-Roadmap
- ✓ H1_Derived_Mesenchymal_Stem_Cells-Roadmap
- ✓ trophoblast_cell-ENCODE

☒ A549_treated_with_ethanol_0.02_percent_for_1_hour-Roadmap