Microglia, AD_E Enhancer Promoter Other 800 750 Heritability Enrichment 900 -600 500 600 400 250 300 200 32 32 128 32 128 8 128 2 8 8 Million years from Human Other Enhancer Promoter 0.12 -0.12 -0.15 Proportion SNP Heritability 0.08 -0.10 0.04 0.05 0.00 0.00 0.00 32 128 8 32 128 32 2 8 8 128 Million years from Human Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, AD-ADBP_E Enhancer Promoter Other 1200 1500 Heritability Enrichment 2000 900 1000 1000 600 500 300 32 32 32 128 8 128 128 2 2 8 Million years from Human Enhancer Promoter Other 0.20 -0.15 -Proportion SNP Heritability 0.075 0.15 0.050 0.10 0.05 0.025 0.05 0.00 0.00 32 32 32 128 128 128 2 8 2 8 Million years from Human cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP ᠺ 43 Primate PhastCons 🛕 Cell–TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, ALS_E Enhancer Promoter Other 3000 900 Heritability Enrichment 800 2000 600 400 1000 300 -1000 32 32 128 32 2 8 128 128 2 8 Million years from Human Other Enhancer Promoter 0.20 Proportion SNP Heritability 0.10 0.15 0.10 0.05 0.05 0.00 0.00 0.00 32 32 2 8 128 128 8 32 128 8 Million years from Human Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, AMD_E Enhancer Promoter Other 2000 400 Heritability Enrichment 1500 200 200 1000 100 500 -32 128 32 128 32 2 128 8 8 Million years from Human Enhancer Promoter Other Proportion SNP Heritability 0.04 -0.04 0.03 -0.03 -0.02 -0.02 0.01 -0.01 -0.00 0.00 32 32 128 128 32 128 8 8 8 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, PD-PDBP_E Enhancer Promoter Other 400 1000 300 Heritability Enrichment 300 750 200 200 500 100 -100 -250 -10032 32 32 2 8 128 128 128 2 8 Million years from Human Enhancer Promoter Other 0.05 0.06 Proportion SNP Heritability 0.03 0.04 0.02 -0.02 0.00 0.01 0.00 -0.02 0.00 32 2 32 128 8 32 8 128 8 2 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, Cross-Psych_E Enhancer Promoter Other 400 200 Heritability Enrichment 1000 200 100 500 -32 128 32 32 128 128 2 8 8 Million years from Human Enhancer Promoter Other 0.03 0.03 0.03 Proportion SNP Heritability 0.02 -0.02 0.01 0.01 0.00 0.00 0.00 32 128 32 128 32 2 8 8 128 Million years from Human

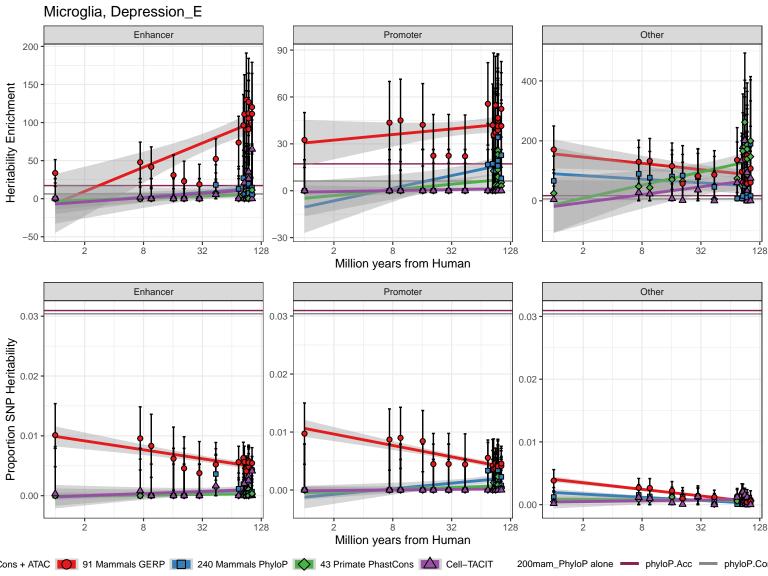
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cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT

Microglia, ADHD_E Enhancer Promoter Other 600 1500 300 Heritability Enrichment 400 1000 200 200 500 100 32 32 128 32 128 8 128 Million years from Human Enhancer Promoter Other Proportion SNP Heritability 0.04 0.04 -0.02 -0.02 -0.00 0.00 0.00 32 32 128 32 128 8 8 128 Million years from Human 91 Mammals GERP 240 Mammals PhyloP 43 Primate PhastCons Cell-TACIT Cons + ATAC 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, Anorexia_E Enhancer Promoter Other 300 200 300 -Heritability Enrichment 200 150 200 -100 -100 100 -50 · 32 32 128 32 2 128 8 128 8 2 Million years from Human Other Enhancer Promoter 0.03 Proportion SNP Heritability
0.03 0.03 0.02 -0.02 0.01 0.01 0.00 0.00 32 128 8 32 128 8 32 128 2 8 2 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, Bipolar_E Enhancer Promoter Other 100 400 Heritability Enrichment 300 100 50 200 100 32 128 32 32 8 128 128 2 2 8 Million years from Human Enhancer Promoter Other 0.005 0.015 Proportion SNP Heritability 0.006 0.004 0.010 0.003 0.003 0.005 0.002 0.000 0.000 0.001 0.000 -0.005 -0.00332 32 128 32 128 8 2 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co



Microglia, MDD_E

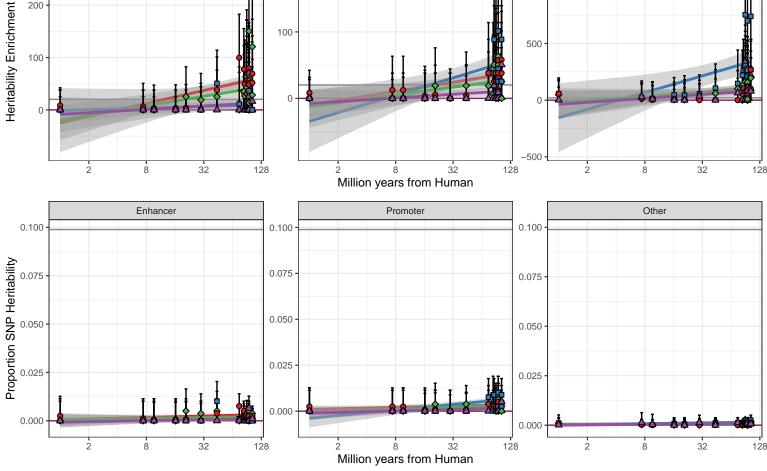
Enhancer

200

Promoter

1000

1000



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cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT

Microglia, OCD_E Enhancer Promoter Other 300 1500 Heritability Enrichment 400 1000 200 500 100 200 -500 32 32 32 128 2 8 128 128 8 Million years from Human Enhancer Promoter Other 0.12 -0.04 0.04 Proportion SNP Heritability 0.03 0.03 -0.02 0.02 -0.01 0.01 0.00 0.00 0.00 -0.01 32 ż 8 128 32 128 32 2 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, PTSD_A Enhancer Promoter Other 1500 8000 2000 Heritability Enrichment 6000 1500 1000 4000 1000 2000 -500 500 32 32 128 32 8 128 128 2 2 8 Million years from Human Promoter Enhancer Other 0.3 0.20 Proportion SNP Heritability 0.2 0.2 -0.15 0.10 0.1 0.05 -0.0 32 32 32 8 128 2 128 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, PTSD_E Enhancer Promoter Other 400 Heritability Enrichment 300 400 2000 200 200 1000 100 -100128 32 2 32 32 8 128 2 128 8 8 Million years from Human Enhancer Promoter Other 0.075 Proportion SNP Heritability 0.025 0.075 0.050 0.050 0.025 0.025 0.000 0.000 0.000 32 32 2 128 32 128 8 2 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP ᠺ 43 Primate PhastCons 🛕 Cell–TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

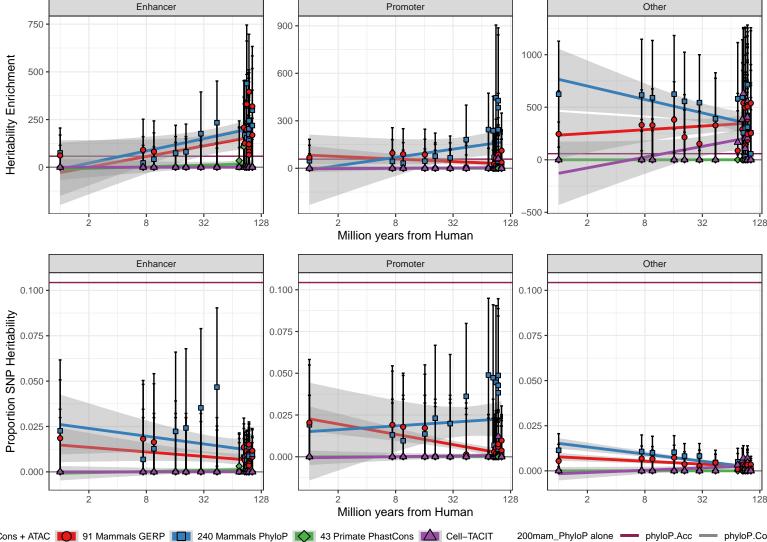
Microglia, Schizophrenia_E Enhancer Promoter Other 300 Heritability Enrichment 300 200 100 -100 200 100 -100 32 32 128 32 128 8 128 2 Million years from Human Enhancer Promoter Other 0.015 0.006 0.015 -Proportion SNP Heritability 0.010 0.010 0.004 0.005 0.005 0.002 0.000 0.000 0.000 32 32 128 128 2 8 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, AUDIT-C_E Enhancer Promoter Other 600 150 Heritability Enrichment 80 400 100 40 200 50 -50 32 32 128 32 128 8 128 2 2 Million years from Human Enhancer Promoter Other 0.015 -Proportion SNP Heritability 0.020 0.0050 0.015 0.010 0.0025 0.005 0.0000 0.000 32 32 32 128 2 8 128 2 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, DrinksPerWeek_E Enhancer Promoter Other 400 Heritability Enrichment 100 50 300 50 200 -25 100 -0 0 32 32 128 32 8 128 128 2 8 Million years from Human Enhancer Promoter Other 0.05 Proportion SNP Heritability 0.04 0.04 -0.03 0.03 -0.02 0.02 0.01 0.01 0.00 0.00 32 128 32 128 32 2 8 8 8 128 Million years from Human Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, CannabisUse_E Enhancer Promoter Other 500 1000 200 Heritability Enrichment 750 250 100 500 -250 -250 32 32 128 32 128 128 2 Million years from Human Enhancer Promoter Other 0.025 0.012 -0.020 Proportion SNP Heritability 0.02 0.008 0.015 0.01 -0.010 0.004 -0.005 0.000 0.000 -0.00532 32 32 8 128 128 2 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP ᠺ 43 Primate PhastCons 🛕 Cell–TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, CoffeePerDay_E Enhancer Promoter



Microglia, SmokAgeOfInit_E Enhancer Promoter Other 400 200 150 Heritability Enrichment 300 -100 100 200 50 100 -100 32 128 32 8 32 8 128 128 2 8 Million years from Human Enhancer Promoter Other 0.04 0.04 0.04 Proportion SNP Heritability 0.03 0.03 -0.03 0.02 -0.02 0.02 -0.01 0.01 0.01 -0.00 0.00 32 128 8 32 128 32 2 8 8 128 Million years from Human Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

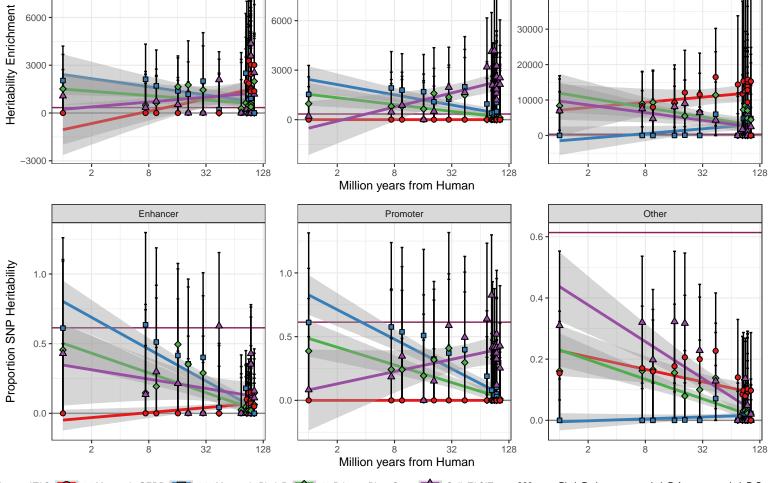
Microglia, SmokCessation_E Enhancer Promoter Other 500 2000 -200 400 Heritability Enrichment 150 300 1000 100 200 100 50 0 -100 -32 128 32 32 128 128 8 Million years from Human Enhancer Promoter Other 0.03 Proportion SNP Heritability 0.04 0.04 0.02 0.02 -0.02 -0.01 0.00 0.00 0.00 32 128 32 128 32 8 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, SmokCigPerDay_E Enhancer Promoter Other 300 -400 200 Heritability Enrichment 200 300 150 200 100 100 100 50 -10032 128 32 32 2 128 128 8 8 Million years from Human Enhancer Promoter Other 0.05 0.05 Proportion SNP Heritability 0.04 0.04 -0.03 0.02 -0.02 -0.02 0.00 0.01 0.00 32 128 32 128 32 2 8 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, SmokInitiation_E Enhancer Promoter Other 300 -50 60 Heritability Enrichment 200 25 30 100 -0 -25 -30 32 32 32 128 128 128 2 8 Million years from Human Enhancer Other Promoter 0.03 Proportion SNP Heritability 0.03 0.02 -0.02 -0.01 0.01 0.00 -0.00 0.00 32 32 128 32 8 128 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Enhancer Promoter Other 9000 9000 -40000 6000 6000 30000 3000 20000 3000 -

Microglia, OpioidUse_E



cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

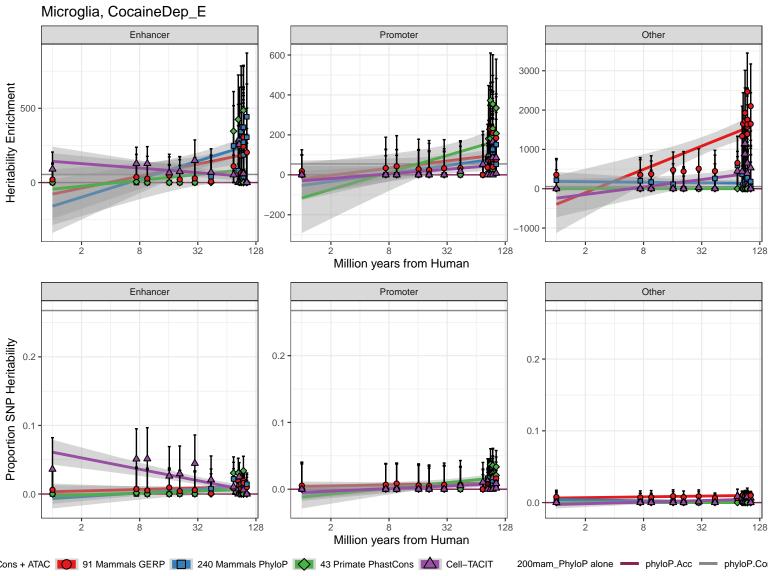
Microglia, AlcoholDep_E Enhancer Promoter Other 1000 600 3000 Heritability Enrichment 400 500 2000 200 1000 --200 -1000 -500 32 32 32 128 128 128 2 8 2 8 Million years from Human Other Enhancer Promoter 0.15 0.15 0.15 Proportion SNP Heritability 0.10 -0.10 -0.10 0.05 0.05 0.05 0.00 -0.00 0.00 32 32 32 128 2 8 128 2 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, AUDIT-P_E Enhancer Promoter Other 400 300 Heritability Enrichment 1000 200 200 500 100 -32 32 128 32 128 2 128 8 8 Million years from Human Enhancer Promoter Other 0.04 -0.020 0.04 -Proportion SNP Heritability 0.015 0.03 -0.010 0.02 0.005 0.01 -0.00 0.00 0.000 32 32 128 128 32 2 8 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, AUDIT-Tot_E Enhancer Promoter Other 1000 200 750 Heritability Enrichment 100 500 100 -50 · 250 0 🗖 32 32 128 32 2 128 128 8 Million years from Human Enhancer Promoter Other 0.020 0.0075 Proportion SNP Heritability 0.02 -0.0050 0.0025 0.01 0.0000 0.000 0.00 32 32 128 32 2 8 128 2 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP ᠺ 43 Primate PhastCons 🛕 Cell–TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

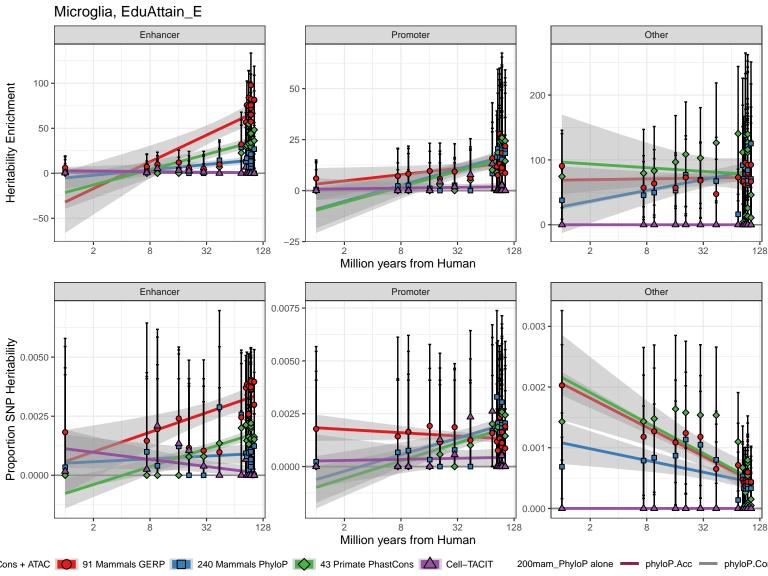
Microglia, CannabisUD_A Enhancer Promoter Other 1500 9000 1500 Heritability Enrichment 6000 1000 1000 3000 500 500 --500 32 128 32 32 8 128 8 128 2 2 Million years from Human Promoter Enhancer Other 0.2 -0.20 0.20 Proportion SNP Heritability 0.15 0.15 0.1 0.10 0.10 0.05 0.05 0.0 0.00 0.00 32 128 32 128 32 2 8 2 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, CannabisUD_E Enhancer Promoter Other 300 120 2000 Heritability Enrichment 200 80 1000 100 40 32 32 128 32 128 8 2 128 2 8 Million years from Human Enhancer Promoter Other 0.025 0.03 Proportion SNP Heritability 0.020 -0.010 0.015 0.010 0.005 0.005 0.000 -0.000 32 32 32 128 2 8 128 2 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co



Microglia, OpioidDep_E Enhancer Promoter Other 1500 7500 1500 Heritability Enrichment 5000 1000 1000 500 2500 500 -2500 32 32 32 128 8 128 2 128 2 8 Million years from Human Enhancer Promoter Other Proportion SNP Heritability 0.6 0.6 0.6 0.4 0.4 0.4 0.2 -0.2 -0.2 0.0 0.0 0.0 32 32 32 128 2 2 8 128 8 128 Million years from Human Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, OpioidDep-vs-Exp_A Enhancer Promoter Other 8000 Heritability Enrichment 1500 4000 6000 1000 4000 2000 -2000 -500 -2000 32 32 32 8 128 128 2 128 2 8 Million years from Human Enhancer Promoter Other 2.5 2.5 2.5 Proportion SNP Heritability 2.0 -2.0 2.0 1.5 1.5 1.5 1.0 1.0 -1.0 0.5 0.5 0.5 0.0 32 128 32 128 2 32 2 8 8 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co



Microglia, Income_E Enhancer Promoter Other 90 400 Heritability Enrichment 80 60 200 30 -40 0 -200 32 128 32 128 32 128 2 8 2 8 Million years from Human Enhancer Promoter Other 0.006 Proportion SNP Heritability
0.00020
0.00025
0.00000 0.004 0.005 -0.002 0.000 0.000 32 32 128 32 2 8 128 2 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, BMI_E Enhancer Promoter Other 300 Heritability Enrichment 100 50 -200 100 32 32 128 32 2 8 128 128 8 2 8 Million years from Human Enhancer Promoter Other 0.025 0.025 0.025 Proportion SNP Heritability 0.020 0.020 0.015 0.015 0.010 -0.010 0.005 0.005 0.000 0.000 -0.000 32 128 128 32 2 8 32 2 8 128 Million years from Human

200mam_PhyloP alone phyloP.Acc phyloP.Co

cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP ᠺ 43 Primate PhastCons 🛕 Cell–TACIT

Microglia, BrainVol_E Enhancer Promoter Other 600 1200 500 Heritability Enrichment 400 800 250 200 -400 --250 32 128 32 32 128 2 128 2 8 8 Million years from Human Other Enhancer Promoter 0.06 0.06 0.06 Proportion SNP Heritability 0.04 0.04 0.04 0.02 -0.02 -0.02 0.00 0.00 0.00 8 32 32 32 128 128 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, Neuroticsim_E Enhancer Promoter Other 90 75 · 400 -Heritability Enrichment 60 50 200 -30 25 32 128 32 32 2 128 128 8 8 Million years from Human Enhancer Promoter Other Proportion SNP Heritability 0.03 0.03 -0.02 0.02 -0.01 0.01 0.00 0.00 32 128 32 128 32 2 8 8 128 Million years from Human Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, Intelligence_E Enhancer Promoter Other 100 -400 Heritability Enrichment 100 75 300 200 50 · 50 100 25 0 -50 32 32 128 128 2 128 8 Million years from Human Enhancer Promoter Other 0.015 -0.015 0.003 -Proportion SNP Heritability 0.010 0.002 0.001 0.005 0.000 0.000 32 2 8 32 128 32 128 8 2 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, RiskyBehavior_E Enhancer Promoter Other 200 100 Heritability Enrichment 600 100 50 -300 -300 -100 2 32 128 32 128 32 8 128 8 Million years from Human Enhancer Promoter Other 0.025 0.025 Proportion SNP Heritability
0.010
0.015
0.010
0.005 0.02 0.020 0.015 0.01 0.010 0.005 0.00 0.000 0.000 32 2 8 32 128 32 128 2 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, Worry_E Enhancer Promoter Other 500 250 400 200 Heritability Enrichment 100 300 150 100 50 -200 50 100 0 -50 32 128 32 128 32 128 8 Million years from Human Other Enhancer Promoter 0.03 Proportion SNP Heritability 0.03 0.02 -0.02 -0.01 0.01 0.00 0.00 0.00 32 128 32 128 32 2 8 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, ChronicPain_E Enhancer Promoter Other 200 2000 Heritability Enrichment 150 100 -1500 100 1000 50 50 500 0 0 32 32 128 32 2 128 2 128 8 8 Million years from Human Enhancer Promoter Other Proportion SNP Heritability 0.025 0.025 0.075 0.075 0.050 0.050 0.025 0.025 0.000 0.000 0.000 2 32 128 32 128 32 8 2 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP ᠺ 43 Primate PhastCons 🛕 Cell–TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, Headache_E Enhancer Promoter Other 500 150 Heritability Enrichment 200 400 100 300 -100 -200 50 100 -32 32 128 32 8 128 2 8 128 8 Million years from Human Other Enhancer Promoter 0.04 0.04 Proportion SNP Heritability
0.03
0.01 0.03 -0.03 0.02 0.02 0.01 0.01 0.00 0.00 0.00 32 2 128 32 128 32 8 8 128 Million years from Human Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, DaySleepiness_E Enhancer Promoter Other 300 Heritability Enrichment 80 100 200 40 100 32 32 128 32 128 128 2 8 2 8 Million years from Human Enhancer Promoter Other 0.020 0.025 0.012 0.020 Proportion SNP Heritability 0.008 0.015 -0.010 0.004 0.005 -0.000 0.000 0.000 -0.005 32 128 32 8 32 2 8 128 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, Dozing_E Enhancer Promoter Other 400 2000 -300 Heritability Enrichment 300 200 200 1000 -100 100 32 128 32 32 128 2 128 8 2 8 Million years from Human Enhancer Promoter Other 0.08 0.06 0.06 Proportion SNP Heritability 0.04 -0.04 0.02 0.02 0.00 0.00 0.00 32 128 32 128 32 128 2 8 8 Million years from Human Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, Gettingup_E Enhancer Promoter Other 100 150 500 -Heritability Enrichment 100 50 250 50 -50 -250 32 32 32 128 128 128 2 8 8 Million years from Human Enhancer Promoter Other 0.04 0.04 0.04 Proportion SNP Heritability 0.03 0.03 0.02 0.02 -0.01 -0.01 0.00 0.00 0.00 32 128 32 128 32 8 8 128 Million years from Human

200mam_PhyloP alone phyloP.Acc phyloP.Co

cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP ᠺ 43 Primate PhastCons 🛕 Cell–TACIT

Microglia, Insomnia_E Enhancer Promoter Other 150 Heritability Enrichment 800 -100 100 400 -50 -50 -32 128 32 32 2 128 128 8 2 8 Million years from Human Enhancer Promoter Other 0.03 0.03 0.03 Proportion SNP Heritability 0.02 0.02 -0.01 0.01 0.00 32 128 8 32 128 32 8 8 128 Million years from Human Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, Morningness_E Enhancer Promoter Other 400 100 Heritability Enrichment 300 100 200 50 50 100 --10032 128 32 128 32 128 2 8 8 Million years from Human Enhancer Other Promoter 0.03 0.03 0.03 Proportion SNP Heritability 0.02 0.02 0.02 0.01 -0.01 0.00 0.00 32 32 128 8 128 8 8 32 128 Million years from Human Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, Napping_E Enhancer Promoter Other 1000 200 200 Heritability Enrichment 500 100 100 0 32 32 128 32 128 128 2 8 2 8 Million years from Human Enhancer Promoter Other 0.06 Proportion SNP Heritability 0.06 0.04 0.04 0.02 0.02 0.00 0.00 0.00 32 128 32 128 32 128 2 8 8 Million years from Human Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

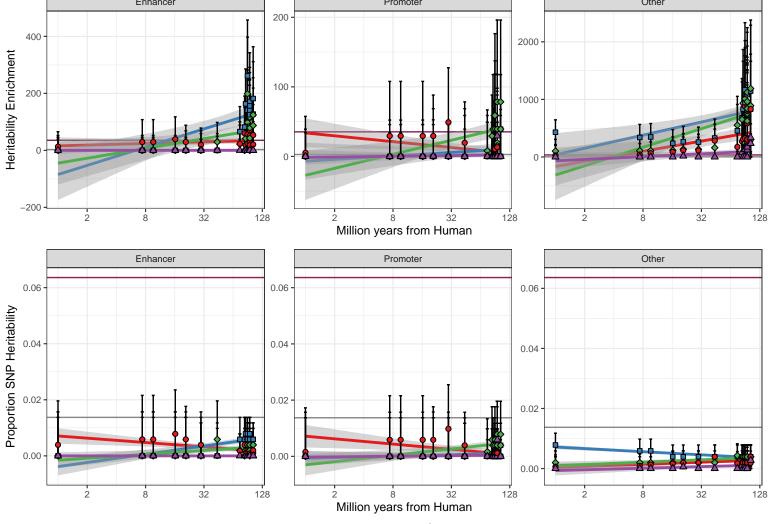
Microglia, SleepDurLong_E Enhancer Promoter Other 300 400 Heritability Enrichment 100 -200 100 200 50 · 0 -100 32 128 32 32 2 128 2 128 8 Million years from Human Promoter Enhancer Other 0.03 0.0100 Proportion SNP Heritability 0.000 0.000 0.0075 0.02 0.0050 0.01 0.0025 0.0000 0.00 -32 32 32 128 128 2 8 2 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, SleepDurShort_E Enhancer Promoter Other 150 150 400 Heritability Enrichment 100 300 100 200 50 50 100 -50 32 32 128 32 128 2 8 128 8 Million years from Human Enhancer Promoter Other 0.020 -0.008 0.03 Proportion SNP Heritability 0.015 -0.006 0.010 0.004 0.005 0.002 0.000 0.00 0.000 32 32 32 128 2 2 8 128 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, SleepDurTot_E Enhancer Promoter Other 120 80 500 400 Heritability Enrichment 60 -80 300 40 -40 200 100 20 -40 32 128 8 32 128 32 2 128 2 8 Million years from Human Enhancer Promoter Other 0.004 Proportion SNP Heritability
0.010
0.0005 0.015 -0.003 0.010 0.002 0.005 0.001 0.000 0.000 32 32 32 128 2 8 128 8 2 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, Snoring_E Enhancer Promoter Other 800 200 60 600 -Heritability Enrichment 100 -400 40 200 20 -10032 128 32 32 128 128 2 8 Million years from Human Enhancer Promoter Other 0.06 0.06 0.06 Proportion SNP Heritability 0.04 0.04 -0.04 -0.02 0.02 -0.02 0.00 0.00 32 128 32 128 2 8 8 32 128 Million years from Human Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, BloodUrea_E Enhancer Promoter Other



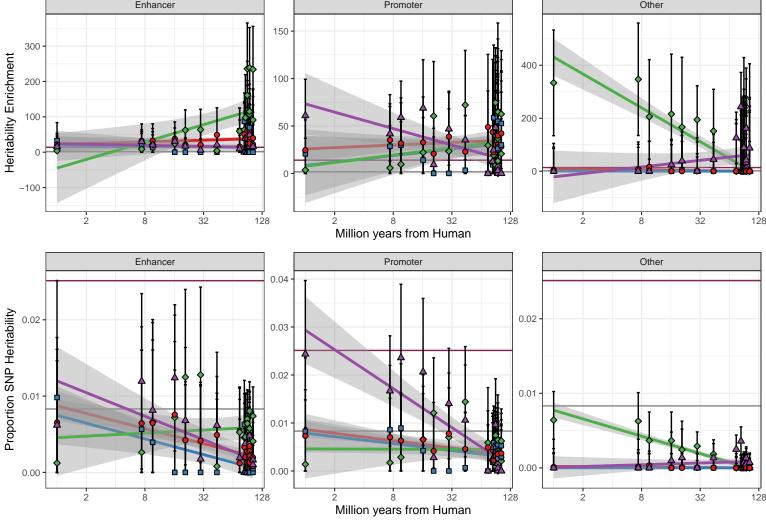
200mam_PhyloP alone phyloP.Acc phyloP.Co

cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT

Microglia, HDL_E Enhancer Promoter Other 1250 500 1000 400 Heritability Enrichment 800 300 750 200 500 400 100 -250 32 32 32 2 8 128 128 2 8 128 Million years from Human Promoter Enhancer Other 0.12 0.06 0.0075 Proportion SNP Heritability 0.0050 0.04 0.0025 0.02 0.0000 0.00 0.00 32 32 32 128 8 128 2 8 2 8 128 Million years from Human Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, LDL_E Enhancer Promoter Other 300 3000 Heritability Enrichment 600 2000 200 300 1000 -100 -0 -300 -1000 32 32 128 32 128 2 128 8 8 Million years from Human Enhancer Promoter Other Proportion SNP Heritability 0.09 0.09 -0.09 -0.06 0.06 0.06 -0.03 0.03 0.03 0.00 -0.00 0.00 8 32 32 128 2 32 128 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, T2Diabetes_E Enhancer Promoter Other 150 300



cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, TotCholesterol_E Enhancer Promoter Other 500 400 Heritability Enrichment 2000 800 300 400 1000 200 -100 32 32 128 32 2 128 128 8 Million years from Human Enhancer Promoter Other 0.12 -0.075 Proportion SNP Heritability 0.09 0.050 0.06 0.025 0.03 0.00 0.00 32 32 128 8 128 32 2 8 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

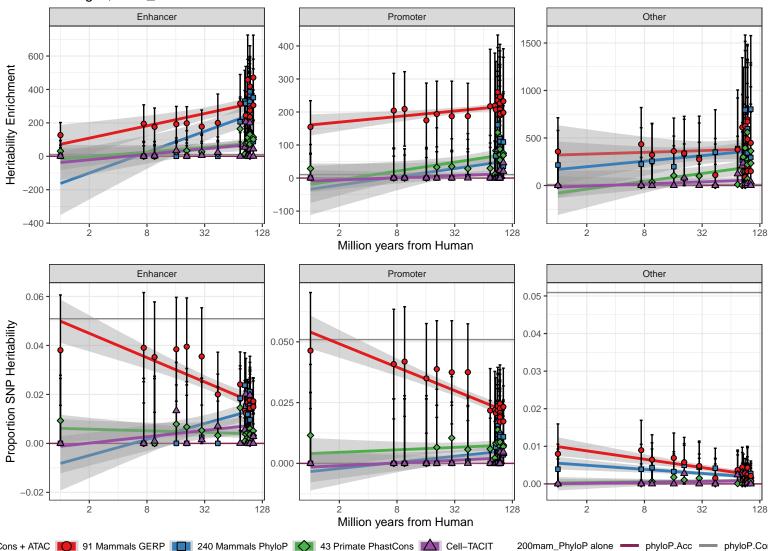
Microglia, Triglycerides_E Enhancer Promoter Other 400 750 600 Heritability Enrichment 300 500 400 -200 200 -250 100 32 128 32 32 2 128 8 128 8 Million years from Human Other Enhancer Promoter 0.03 0.06 Proportion SNP Heritability 0.02 -0.04 0.01 0.02 -0.00 32 32 32 128 8 128 128 2 8 8 Million years from Human Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, BMD_E Enhancer Promoter Other 200 -300 1500 Heritability Enrichment 200 1000 100 -100 -500 -100 32 128 32 32 128 128 2 8 2 Million years from Human Enhancer Promoter Other Arobortion SNP Heritability 0.050 0.050 0.025 0.075 0.075 0.050 0.050 0.025 0.025 0.000 32 8 32 128 2 8 128 8 32 128 Million years from Human

200mam_PhyloP alone phyloP.Acc phyloP.Co

Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT

Microglia, CAD_E



Microglia, Height_E Enhancer Promoter Other 200 300 Heritability Enrichment 400 200 100 -100 200 -10032 128 32 32 128 2 8 128 8 Million years from Human Enhancer Promoter Other 0.04 0.04 0.04 Proportion SNP Heritability 0.03 0.03 0.03 -0.02 0.02 0.02 -0.01 0.01 0.01 0.00 0.00 0.00 32 128 32 32 2 8 128 8 128 Million years from Human

200mam_PhyloP alone phyloP.Acc phyloP.Co

cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT

Microglia, LBM_E Enhancer Promoter Other 400 250 1000 200 Heritability Enrichment 300 750 150 500 200 100 250 100 50 0 -32 128 32 128 32 8 128 2 2 8 Million years from Human Enhancer Promoter Other 0.08 0.08 0.08 Proportion SNP Heritability 0.06 0.06 0.04 -0.04 0.02 -0.02 0.00 0.00 0.00 32 8 32 128 8 32 2 128 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP ᠺ 43 Primate PhastCons 🛕 Cell–TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

Microglia, Longevity_E Enhancer Promoter Other 400 300 Heritability Enrichment 200 300 -200 200 -100 100 -100 32 32 128 32 2 128 8 128 8 Million years from Human Other Enhancer Promoter Proportion SNP Heritability 0.04 0.04 -0.02 0.02 -0.00 0.00 0.00 32 128 32 128 8 32 2 8 128 Million years from Human Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

400 - 200 -

Promoter

Other

600

Microglia, WHRadjBMI_E

Enhancer

