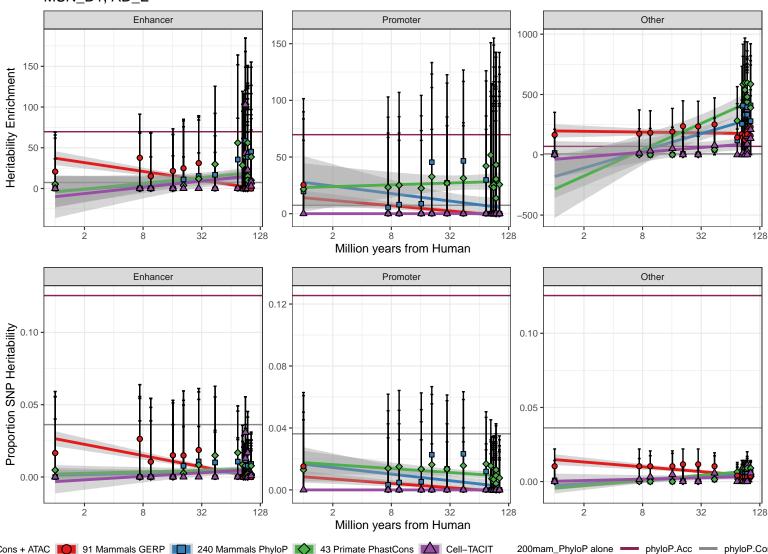
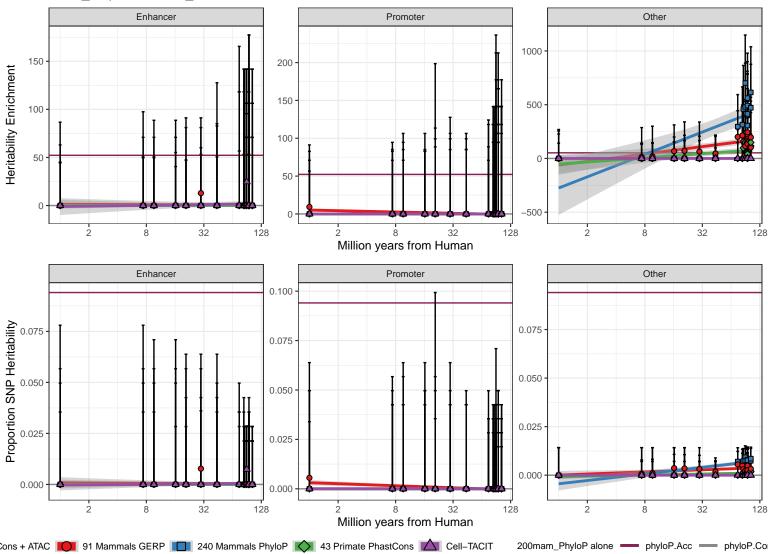
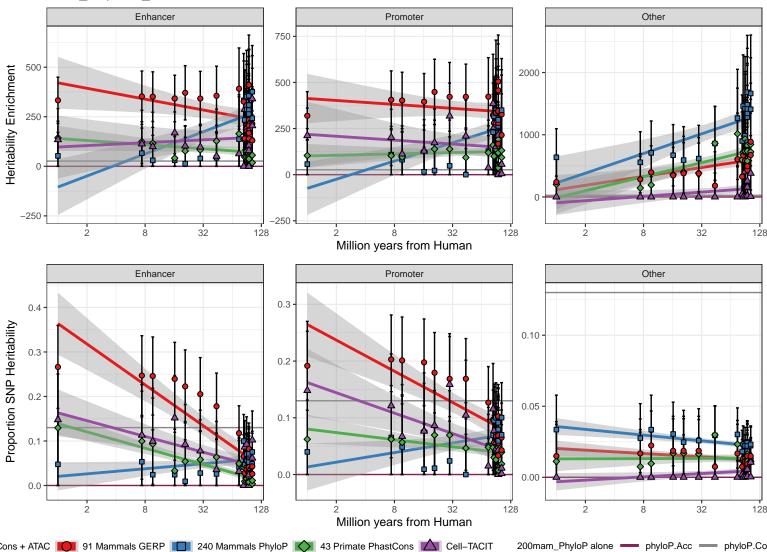
MSN_D1, AD_E



MSN_D1, AD-ADBP_E



MSN_D1, ALS_E



Heritability Enrichment 80 50 200 40 --50 -200 32 32 128 32 128 2 2 128 8 8 Million years from Human Promoter Enhancer Other 0.04 0.04 0.04 0.03 0.03 0.03

Promoter

120

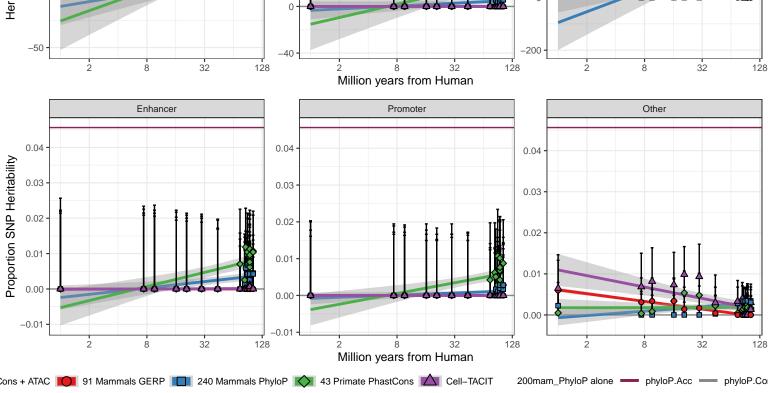
Other

400

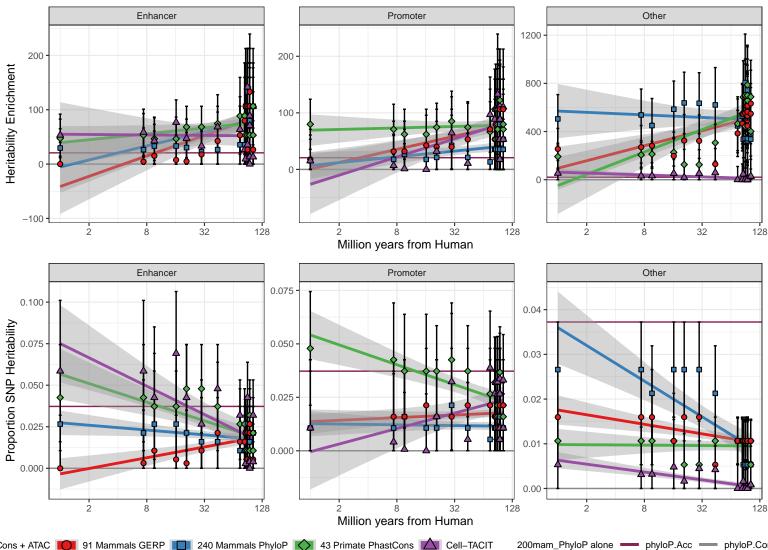
MSN_D1, AMD_E

100

Enhancer



MSN_D1, PD-PDBP_E



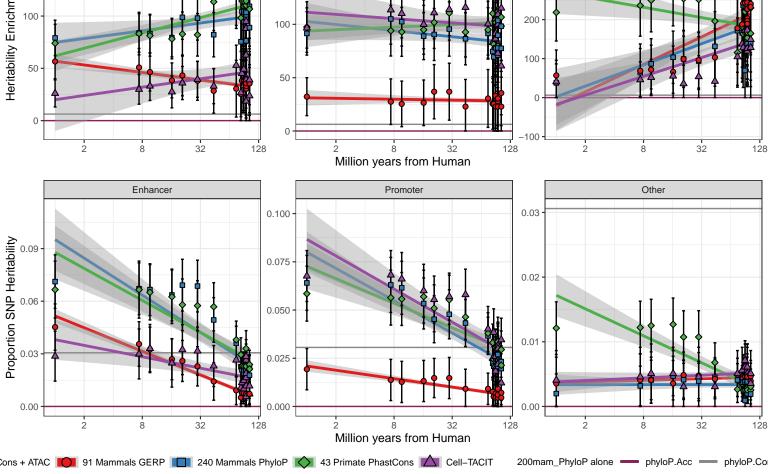
Heritability Enrichment

Promoter

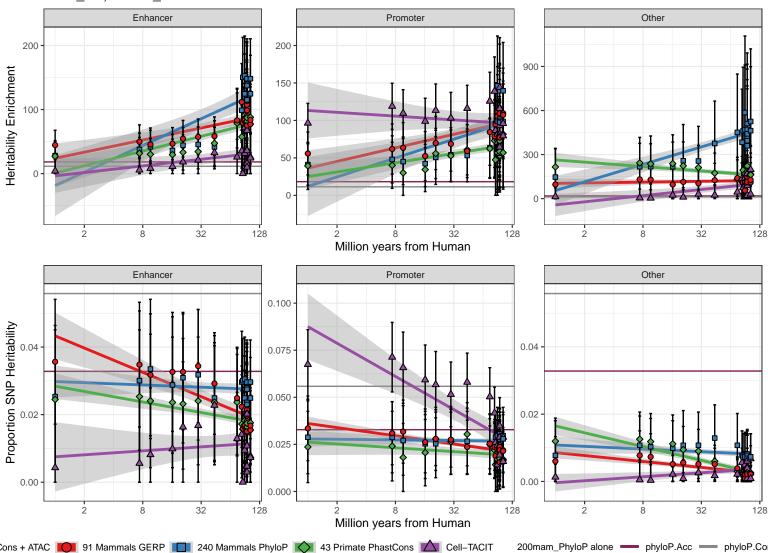
Other

MSN_D1, Cross-Psych_E

Enhancer



MSN_D1, ADHD_E



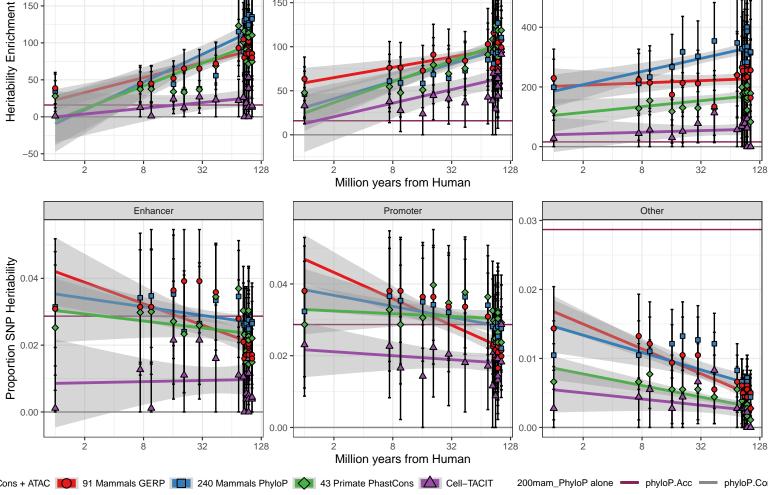
50 --50

Promoter

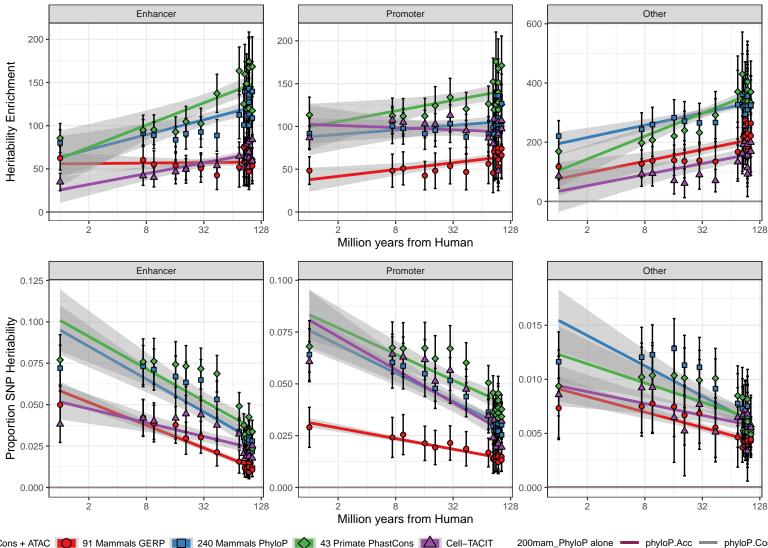
Other

MSN_D1, Anorexia_E

Enhancer



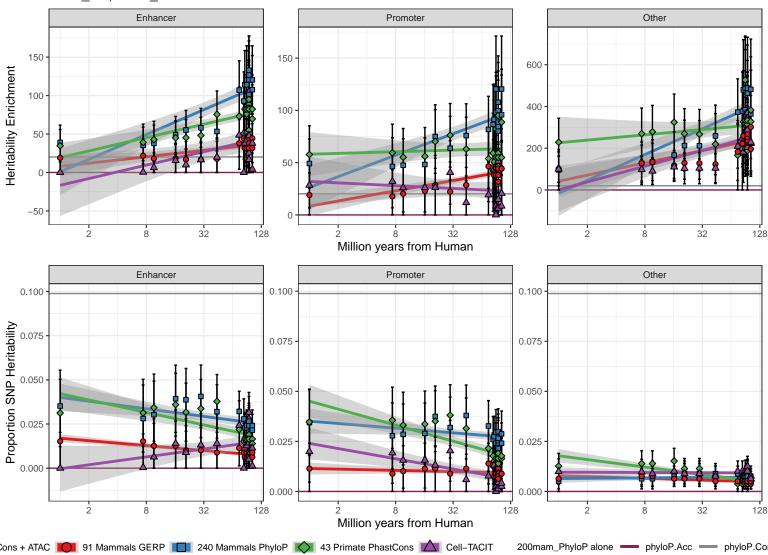
MSN_D1, Bipolar_E



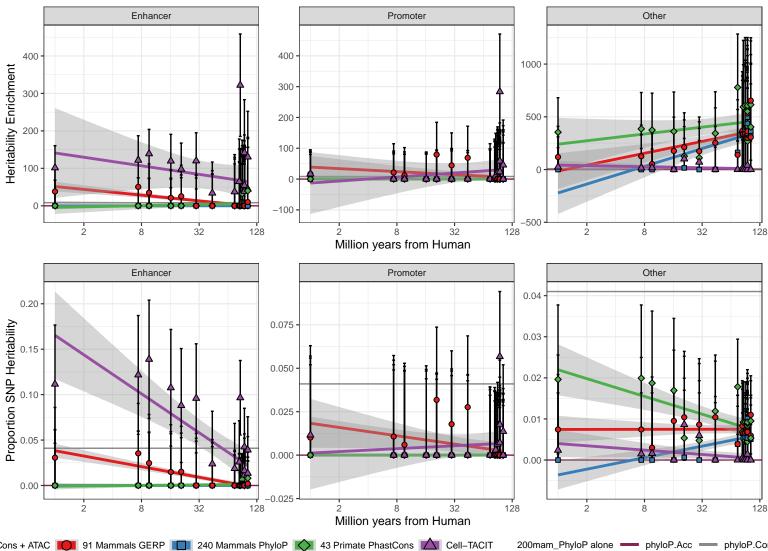
MSN_D1, Depression_E Enhancer Promoter Other 400 Heritability Enrichment 100 -100 300 200 -50 50 -100 -0 32 128 32 128 32 128 8 Million years from Human Other Enhancer Promoter 0.06 0.03 Proportion SNP Heritability 0.04 0.02 -0.02 0.01 0.00 0.00 32 128 32 128 32 128 2 8 2 8 Million years from Human Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT

200mam_PhyloP alone phyloP.Acc phyloP.Co

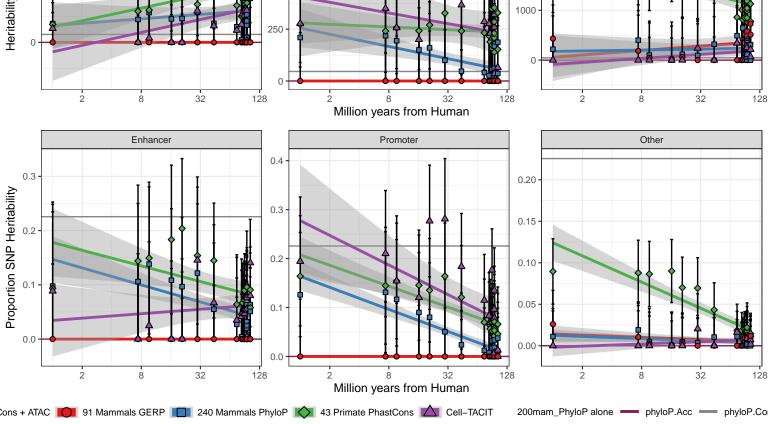
MSN_D1, MDD_E



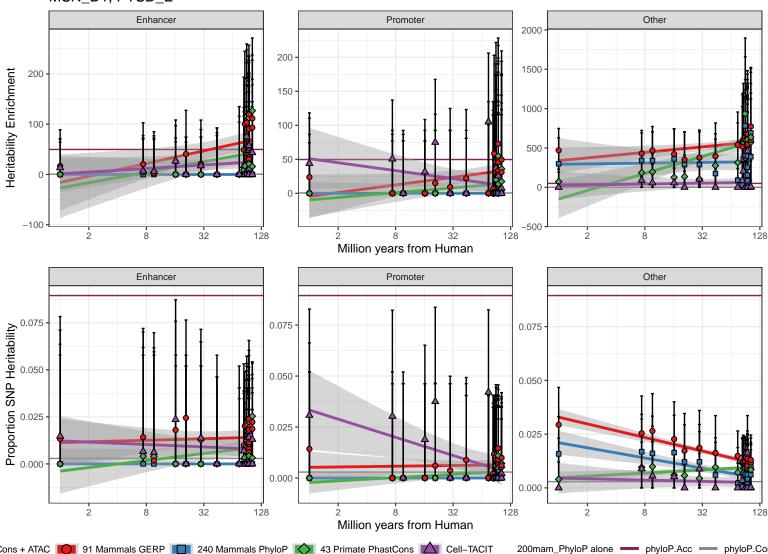
MSN_D1, OCD_E



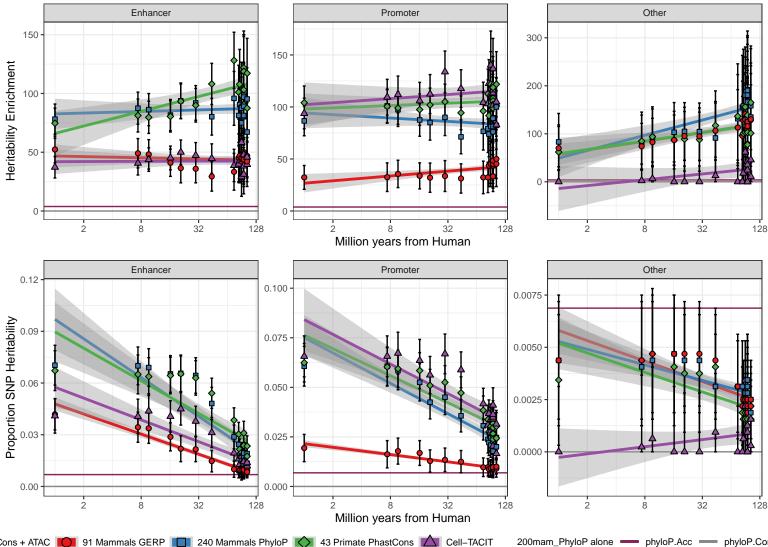
MSN_D1, PTSD_A Enhancer Promoter Other 3000 750 Heritability Enrichment 2000 500 1000 250 32 32 128 32 8 128 8 128 2 2 Million years from Human Enhancer Promoter Other 0.4 -0.3 -0.20 0.3 -0.15 0.2 0.10



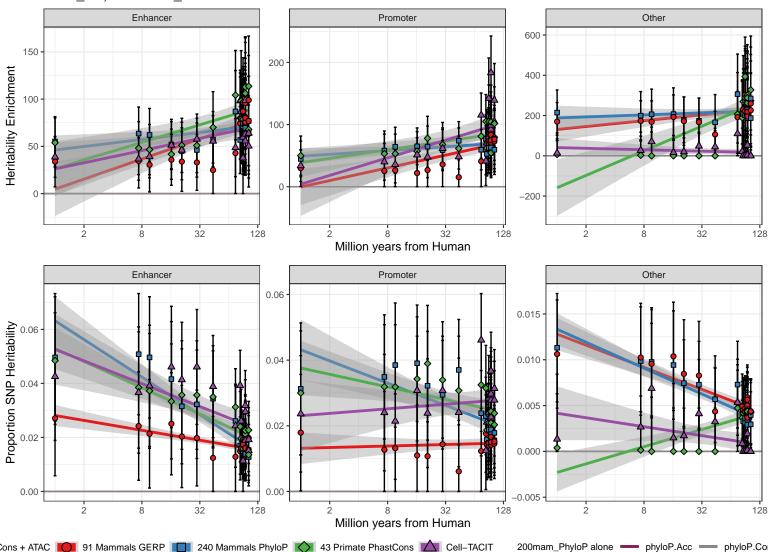
MSN_D1, PTSD_E



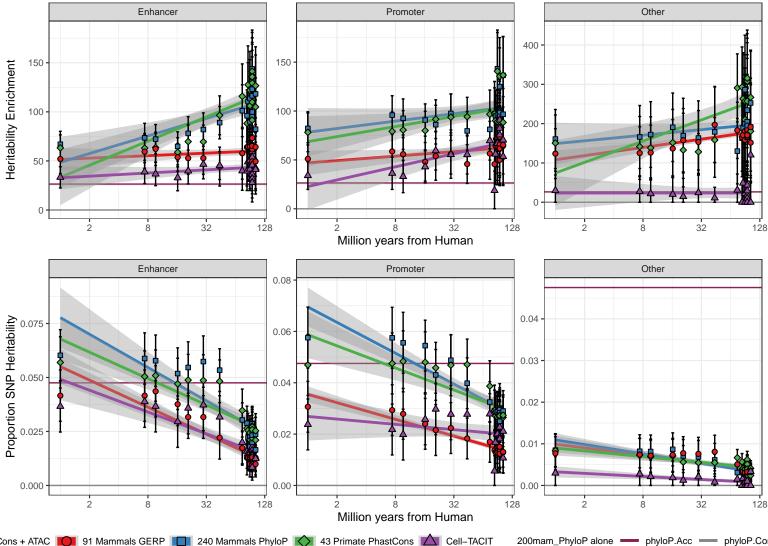
MSN_D1, Schizophrenia_E



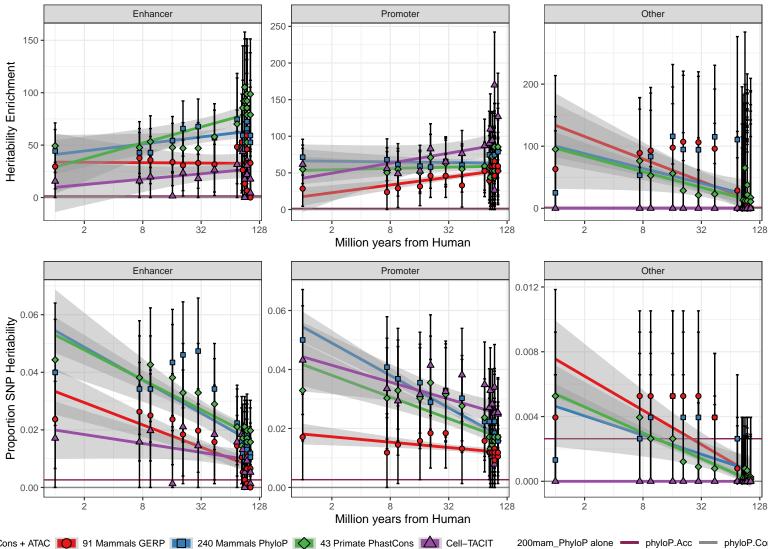
MSN_D1, AUDIT-C_E



MSN_D1, DrinksPerWeek_E



MSN_D1, CannabisUse_E



1500 400 Heritability Enrichment 400 1000 200 200 -500 -200 32 32 32 128 8 128 128 2 8 Million years from Human Enhancer Promoter Other 0.100 Proportion SNP Heritability 0.08 0.08 0.075 0.050 0.04 0.04 0.025 0.00 0.000

Promoter

Other

32

128

8

MSN_D1, CoffeePerDay_E

600

Enhancer

32

8

2

128

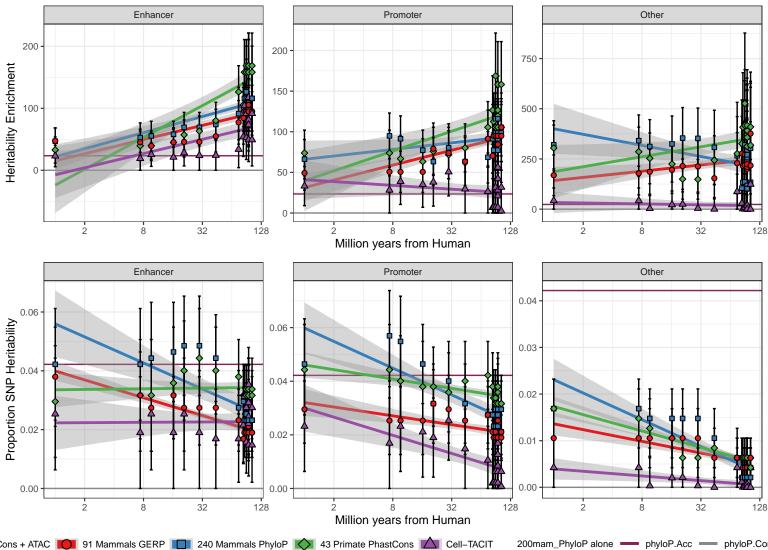
Cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🚺 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone 💳 phyloP.Acc 🥌 phyloP.Co

Million years from Human

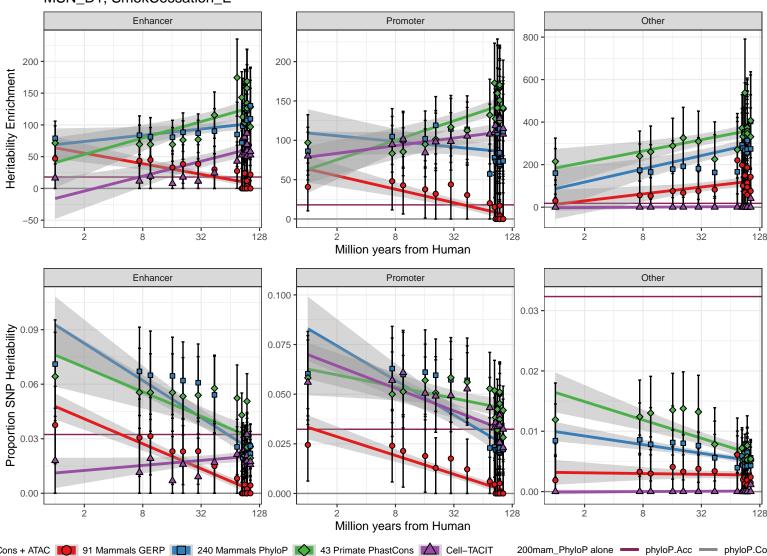
32

128

MSN_D1, SmokAgeOfInit_E

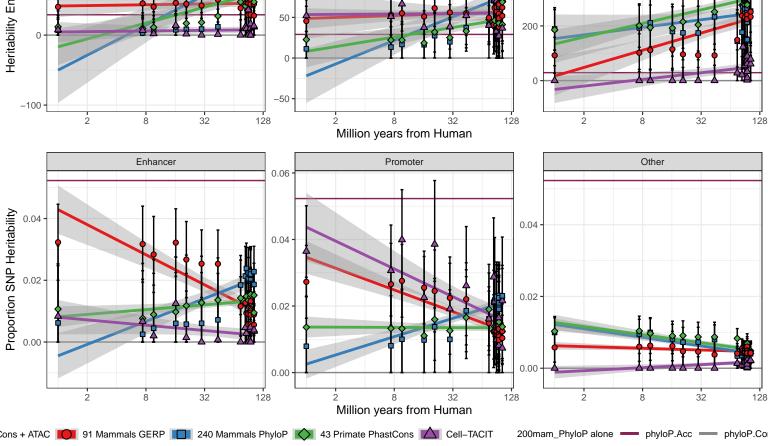


MSN_D1, SmokCessation_E



Enhancer Promoter Other Heritability Enrichment 400 -200 --50 -100

MSN_D1, SmokCigPerDay_E



400 -200 -50 -

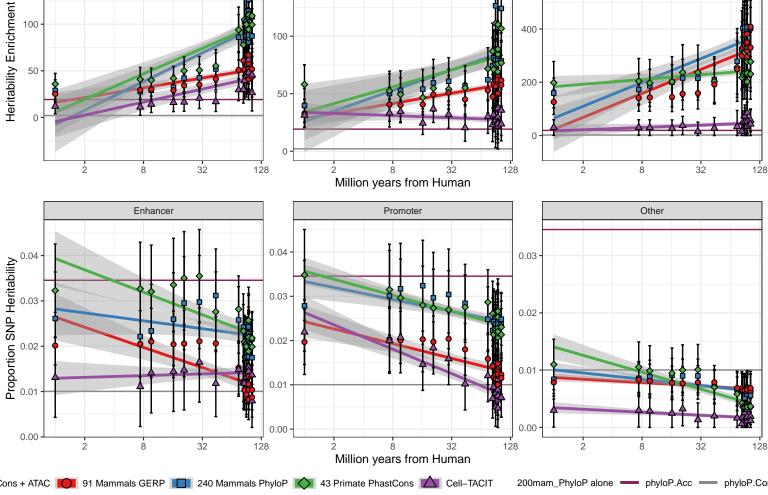
Promoter

Other

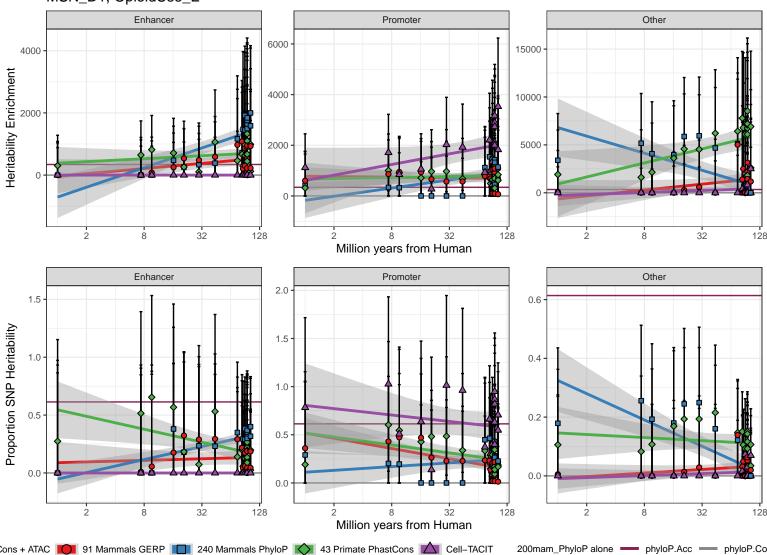
600 -

MSN_D1, SmokInitiation_E

Enhancer

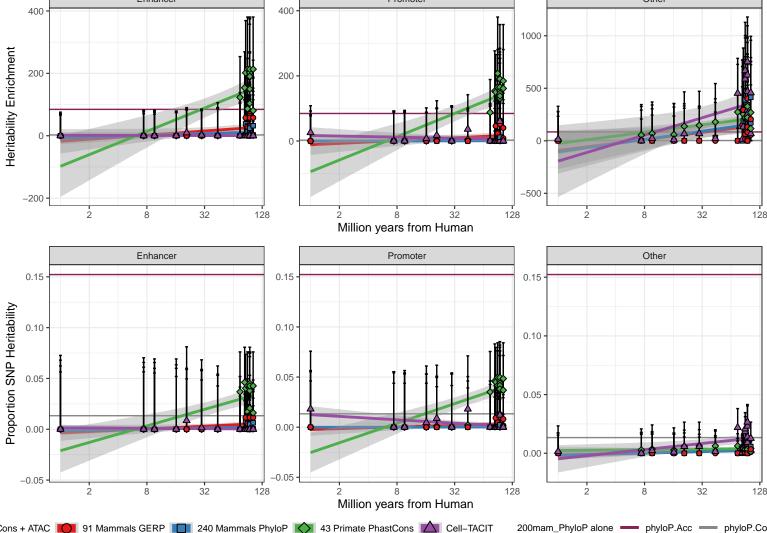


MSN_D1, OpioidUse_E

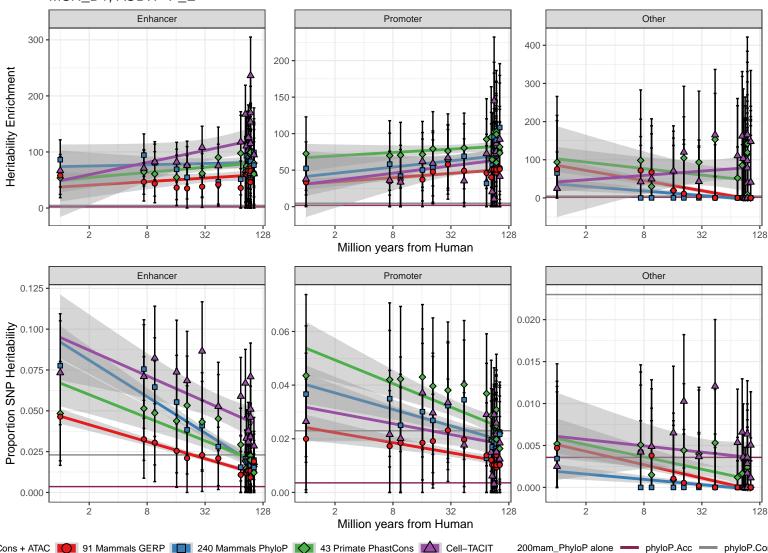


MSN_D1, AlcoholDep_E

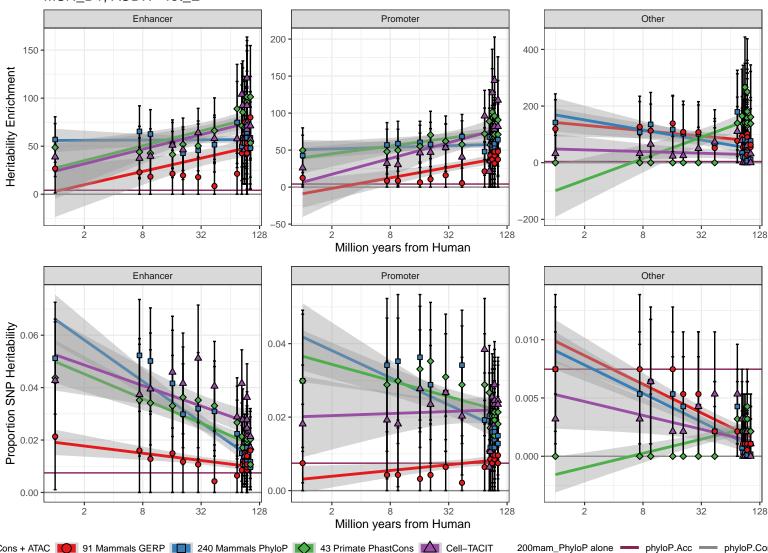
Enhancer Promoter Other



MSN_D1, AUDIT-P_E



MSN_D1, AUDIT-Tot_E



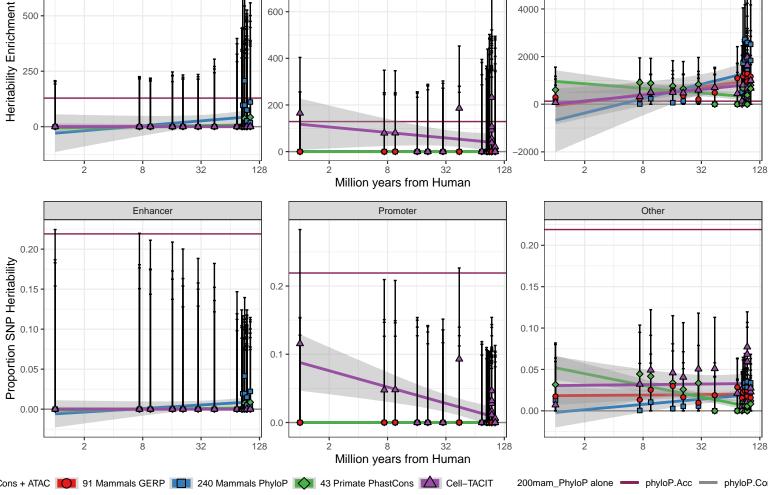
400 -Million years from Human

Promoter

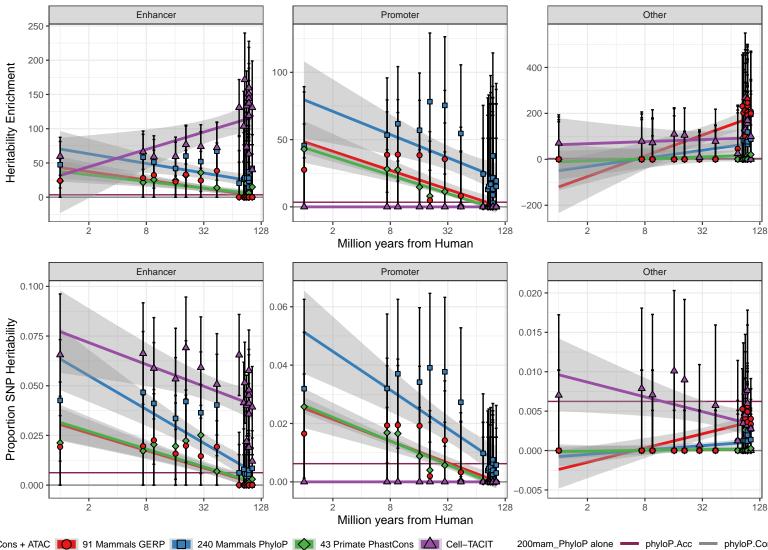
Other

MSN_D1, CannabisUD_A

Enhancer



MSN_D1, CannabisUD_E



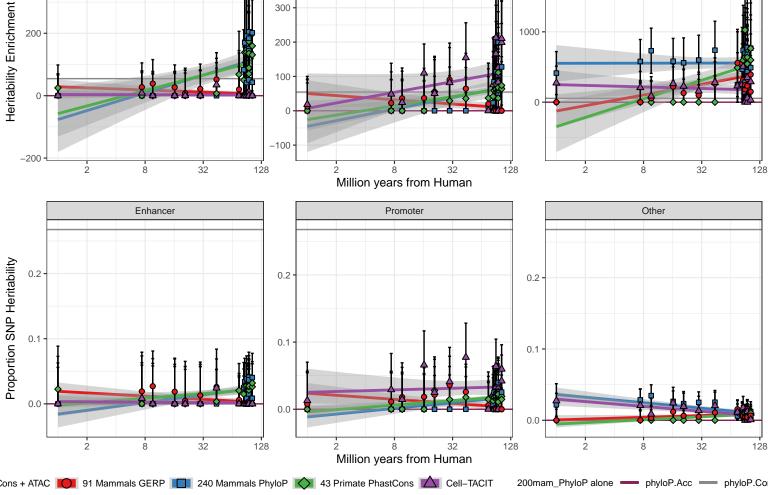
100 --100 -200 Million years from Human

Promoter

Other

MSN_D1, CocaineDep_E

Enhancer



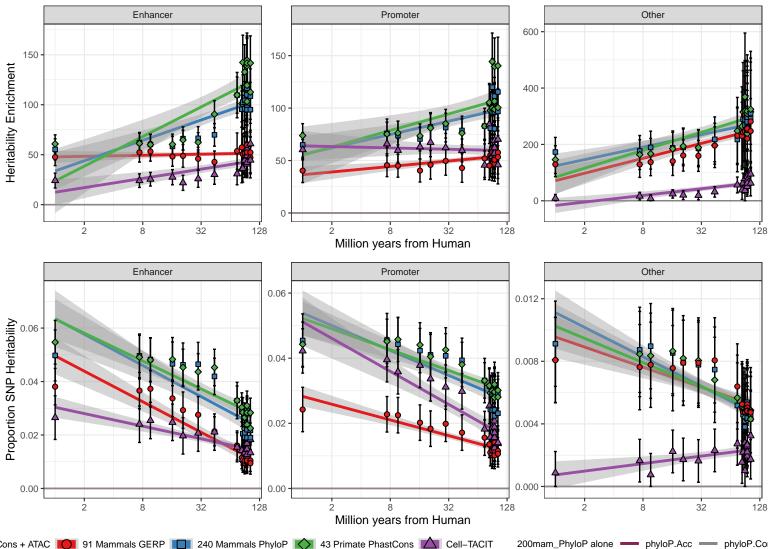
MSN_D1, OpioidDep_E Enhancer Promoter Other 4000 Heritability Enrichment 600 2000 400 200 32 32 128 32 8 128 128 2 2 8 Million years from Human Enhancer Promoter Other 0.6 Proportion SNP Heritability 0.6 0.6 -0.4 0.4 -0.2 -0.2 0.2 -0.0 0.0 -32 32 128 128 32 8 8 128 Million years from Human

200mam_PhyloP alone phyloP.Acc phyloP.Co

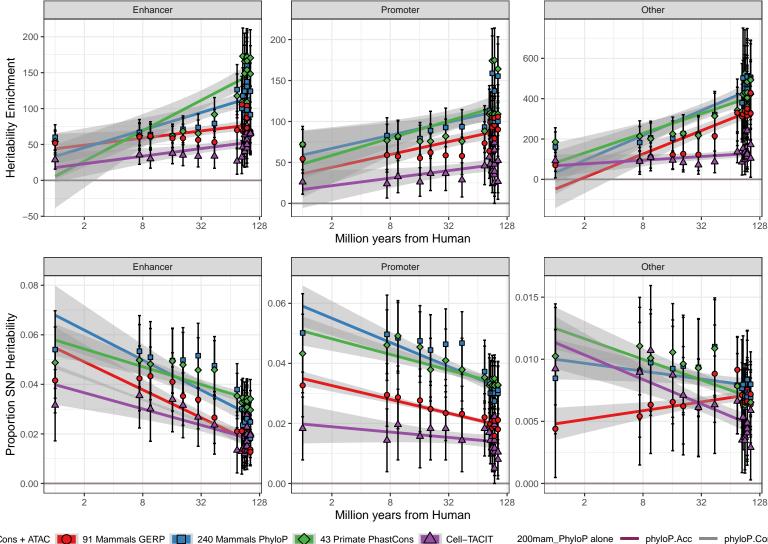
Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT

MSN_D1, OpioidDep-vs-Exp_A Enhancer Promoter Other 5000 800 1500 4000 Heritability Enrichment 600 1000 3000 400 2000 500 200 1000 0 32 128 128 32 8 32 8 2 128 2 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 32 32 128 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

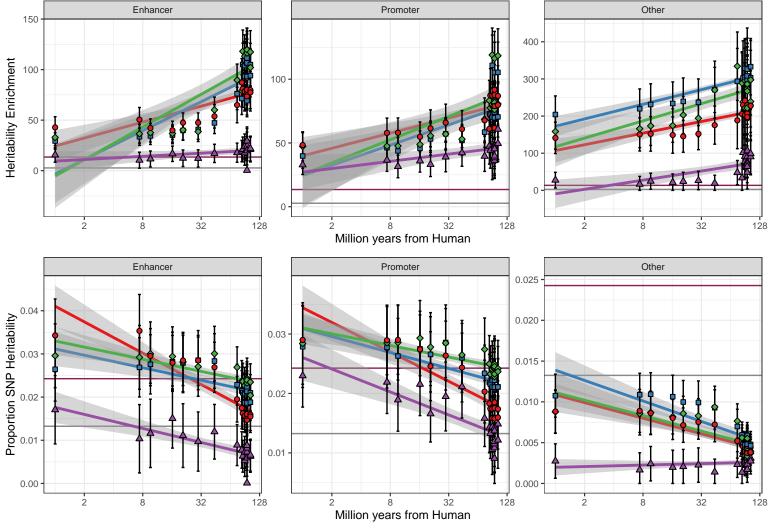
MSN_D1, EduAttain_E



MSN_D1, Income_E Enhancer Promoter Other



MSN_D1, BMI_E Enhancer Promoter Other



200mam_PhyloP alone phyloP.Acc phyloP.Co

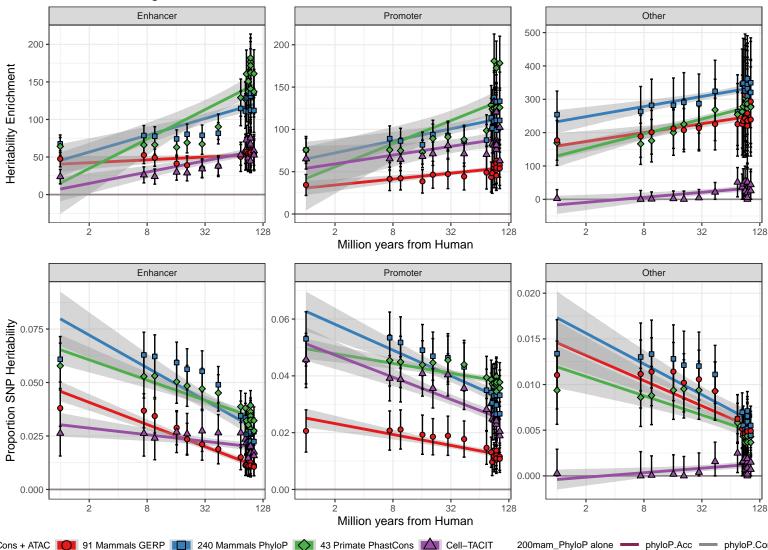
91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🔼 Cell-TACIT

Cons + ATAC

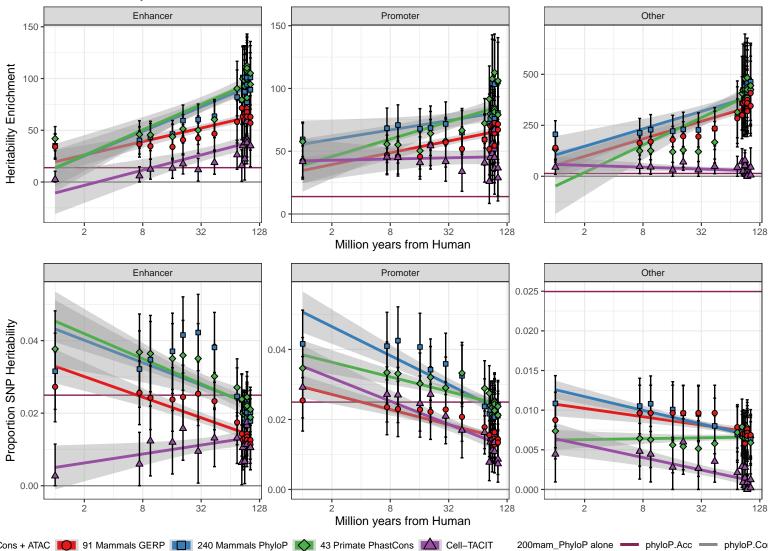
MSN_D1, BrainVol_E Enhancer Promoter Other 200 200 Heritability Enrichment 500 100 100 250 --100 32 32 32 2 8 128 128 128 2 8 Million years from Human Enhancer Promoter Other 0.06 0.06 0.050 Proportion SNP Heritability 0.04 0.04 0.025 0.02 -0.02 0.000 0.00 0.00 -0.025 -0.02 32 32 32 2 8 128 128 2 8 128 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

MSN_D1, Neuroticsim_E Enhancer Promoter Other 150 400 Heritability Enrichment 100 100 300 200 50 50 100 32 32 128 32 8 128 128 2 8 Million years from Human Other Enhancer Promoter 0.06 0.06 Proportion SNP Heritability 0.03 -0.04 0.02 -0.02 0.01 0.00 0.00 32 128 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

MSN_D1, Intelligence_E



MSN_D1, RiskyBehavior_E

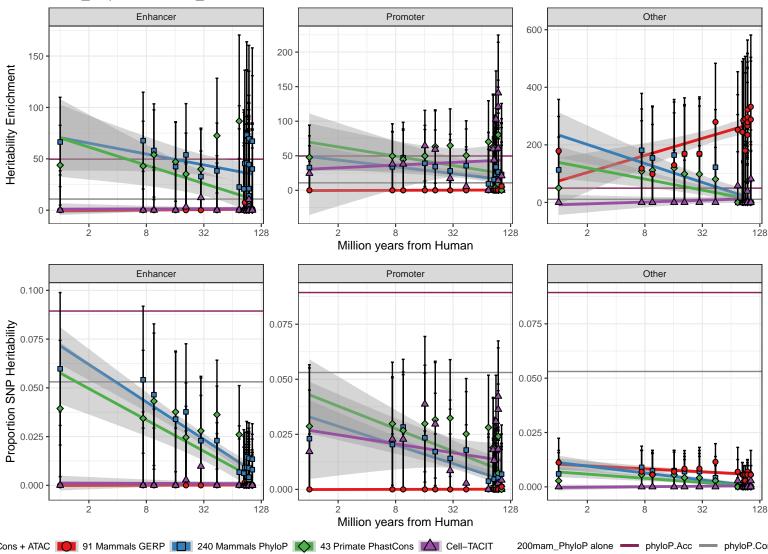


MSN_D1, Worry_E Enhancer Promoter Other 150 150 Heritability Enrichment 400 -100 100 200 -50 50 32 128 32 128 32 2 8 128 Million years from Human Other Enhancer Promoter 0.06 0.03 -Proportion SNP Heritability 0.04 0.02 0.02 0.01 0.00 0.00 0.00 32 32 128 32 128 128 2 8

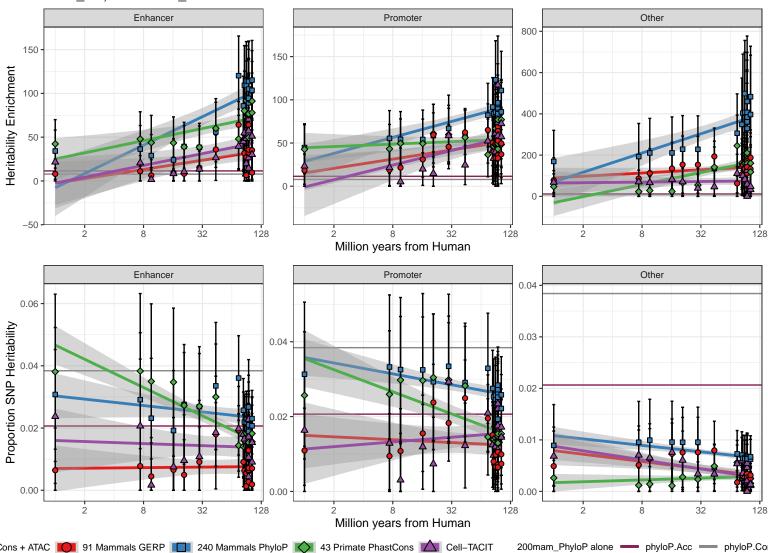
Cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone — phyloP.Acc — phyloP.Co

Million years from Human

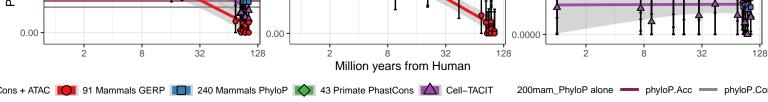
MSN_D1, ChronicPain_E



MSN_D1, Headache_E

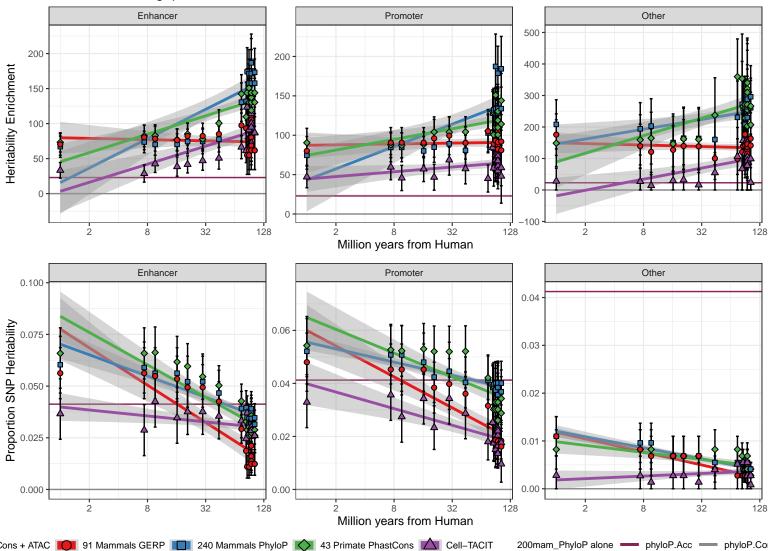


MSN_D1, DaySleepiness_E Enhancer Promoter Other 150 150 Heritability Enrichment 400 100 100 200 50 50 0 32 128 32 32 2 128 2 128 8 8 Million years from Human Promoter Enhancer Other 0.0125 Proportion SNP Heritability 0.0100 0.04 0.0075 0.0050 0.02 0.0025 0.00 0.00 0.0000



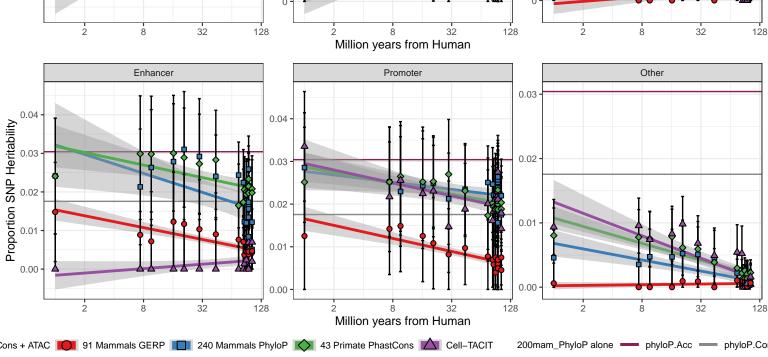
MSN_D1, Dozing_E Enhancer Promoter Other 1200 200 200 Heritability Enrichment 800 100 100 400 0 --100 32 32 32 128 128 128 8 2 8 Million years from Human Promoter Enhancer Other 0.06 0.075 0.075 Proportion SNP Heritability 0.04 0.050 0.050 0.025 0.025 -0.02 0.000 0.000 -0.00 -0.02532 32 32 128 2 8 128 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

MSN_D1, Gettingup_E

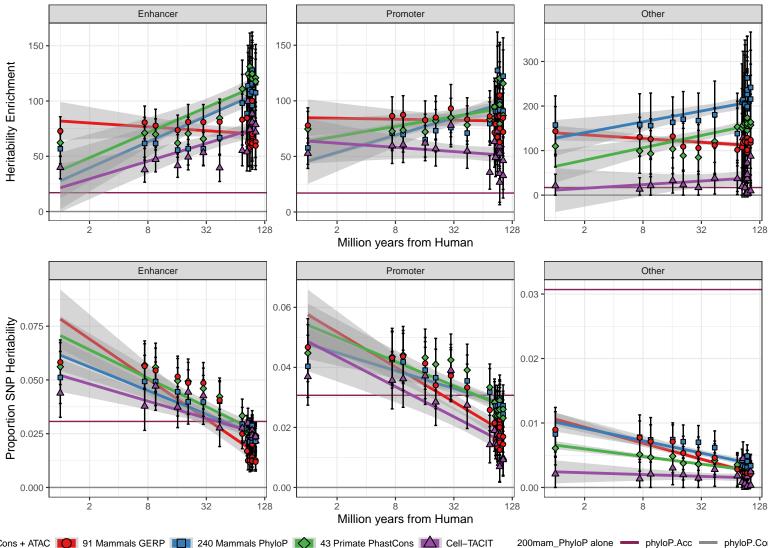


Enhancer Promoter Other 150 150 Heritability Enrichment 300 100 100 200 -50 -50 100 -0 32 128 32 128 32 128 2 8 8 Million years from Human Enhancer Other Promoter 0.03 -0.04 0.04 0.02 -0.03 0.02 0.02

MSN_D1, Insomnia_E

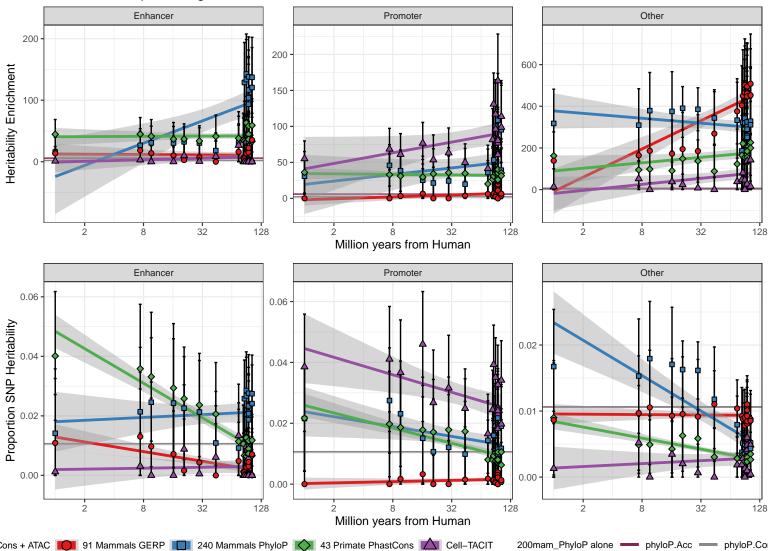


MSN_D1, Morningness_E

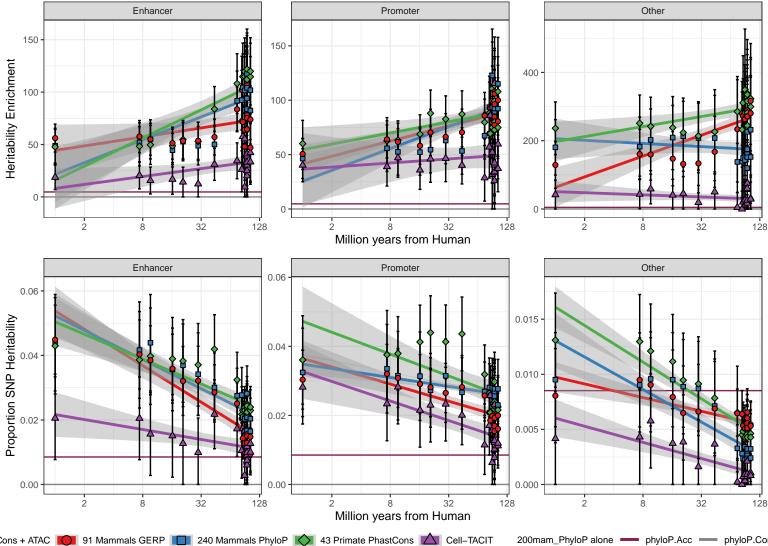


MSN_D1, Napping_E Enhancer Promoter Other 100 400 150 75 300 Heritability Enrichment 100 50 200 50 25 100 -50 -100 -25 32 128 32 128 32 128 2 8 Million years from Human Enhancer Promoter Other 0.06 Proportion SNP Heritability 0.06 0.04 -0.04 0.02 0.02 0.00 0.00 0.00 32 128 32 128 32 128 2 8 2 8 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam_PhyloP alone phyloP.Acc phyloP.Co

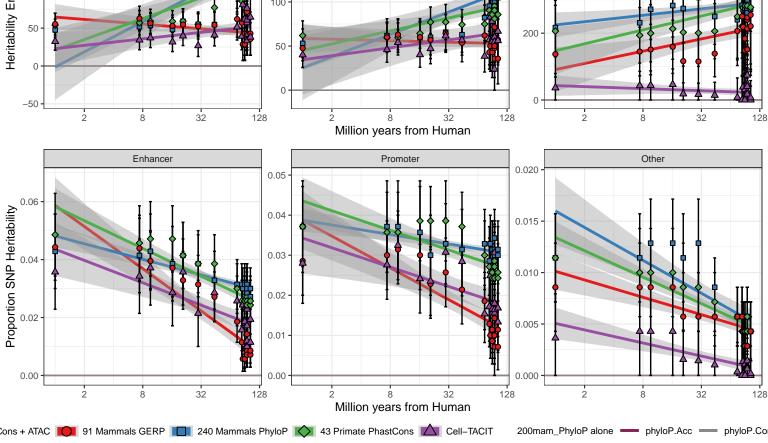
MSN_D1, SleepDurLong_E



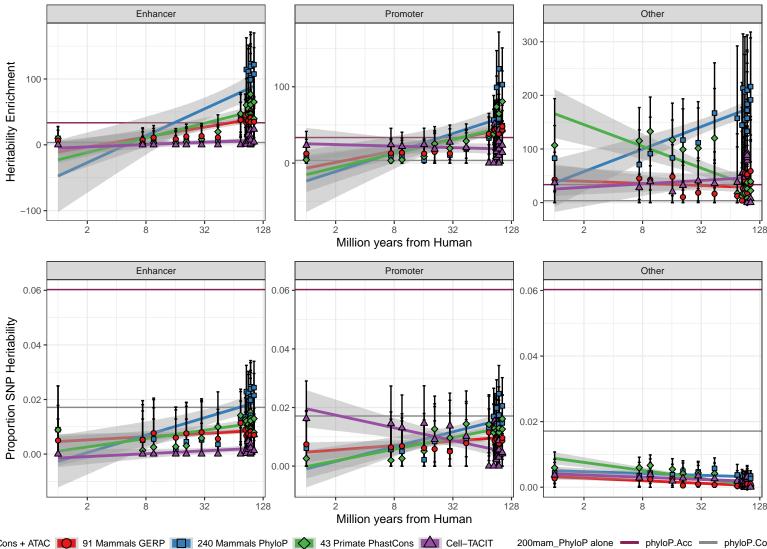
MSN_D1, SleepDurShort_E



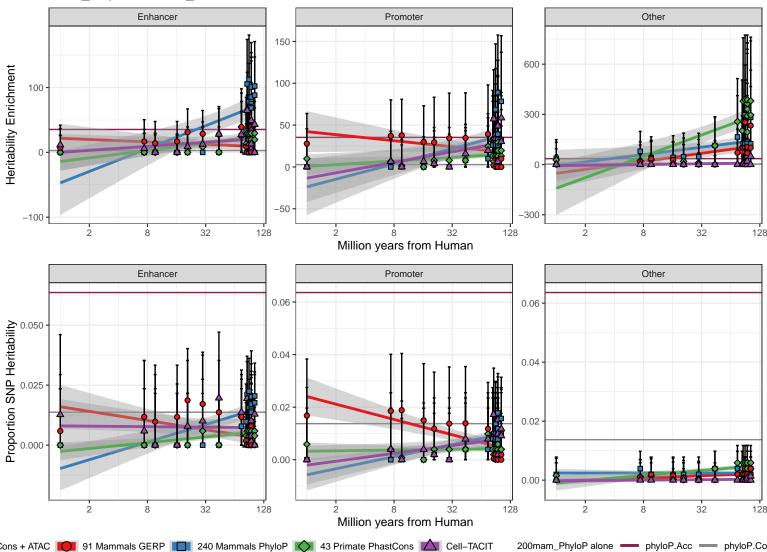
MSN_D1, SleepDurTot_E Enhancer Promoter Other 200 200 150 Heritability Enrichment 150 400 100 100 50 200 50 -50 32 32 128 32 128 8 128 Million years from Human Other Enhancer Promoter 0.020 0.05 0.04 -0.015 0.03 0.010



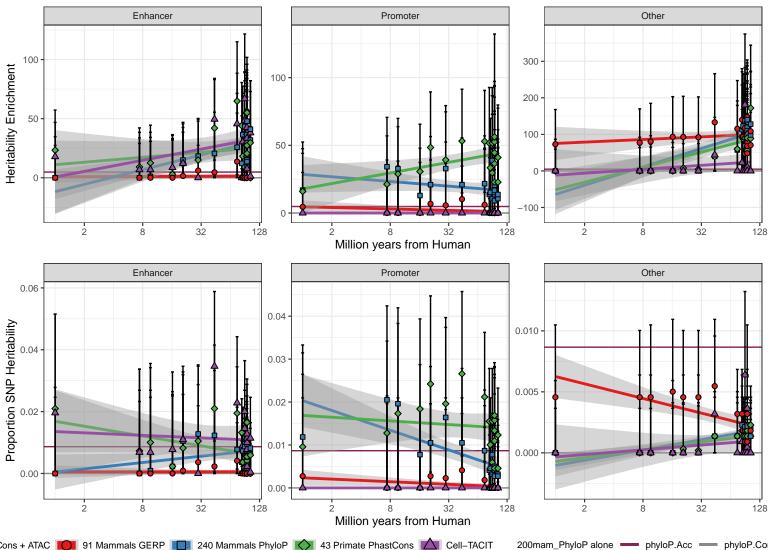
MSN_D1, Snoring_E



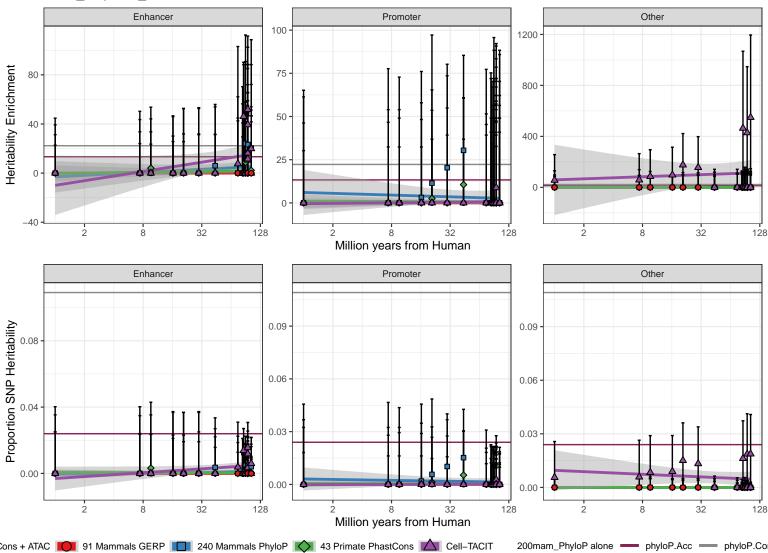
MSN_D1, BloodUrea_E



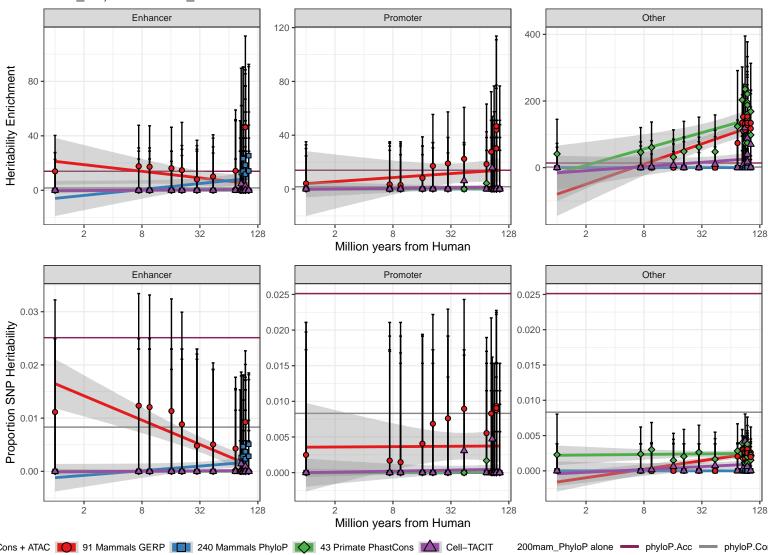
MSN_D1, HDL_E



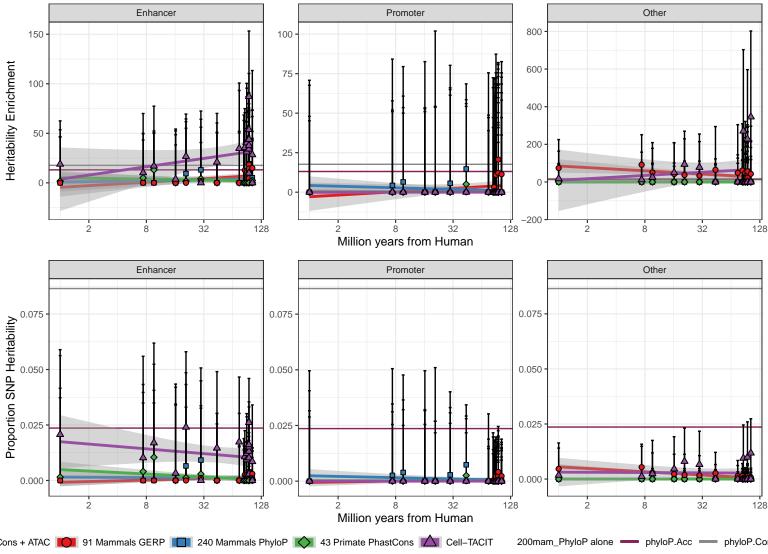
MSN_D1, LDL_E



MSN_D1, T2Diabetes_E

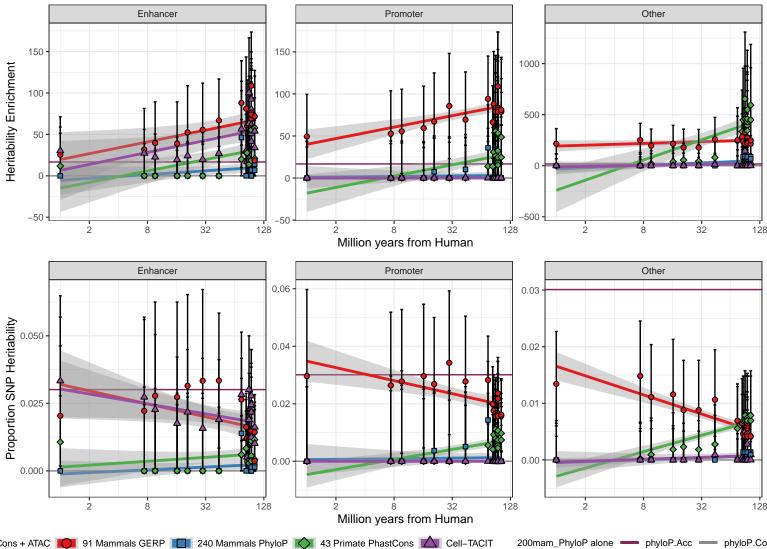


MSN_D1, TotCholesterol_E

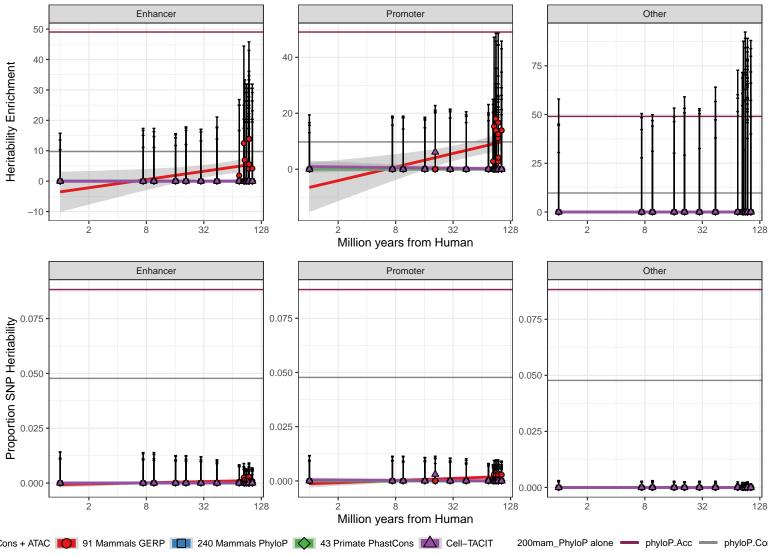


MSN_D1, Triglycerides_E

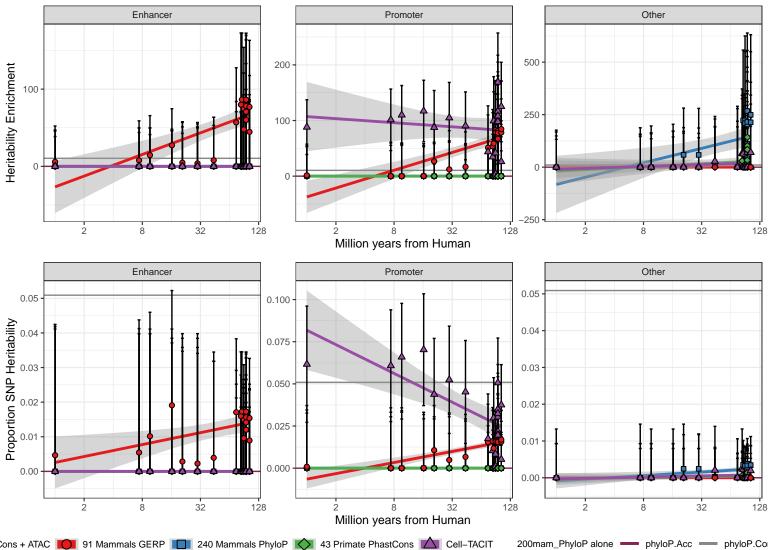
Enhancer Promoter Other



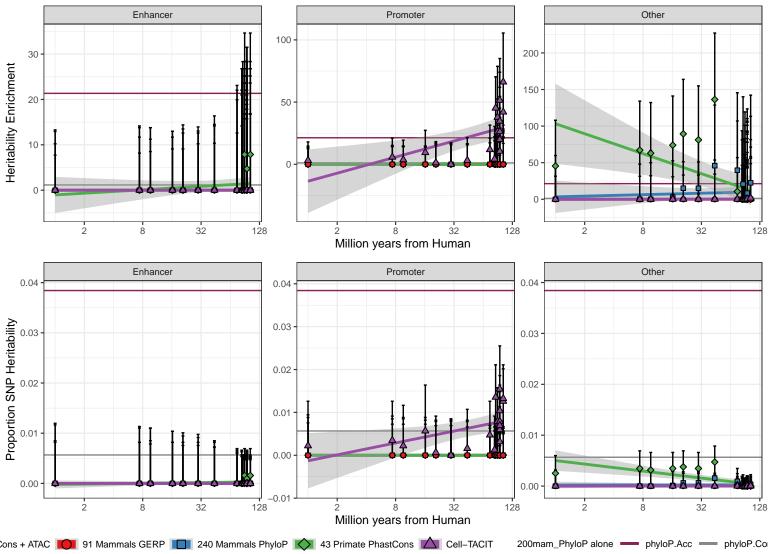
MSN_D1, BMD_E



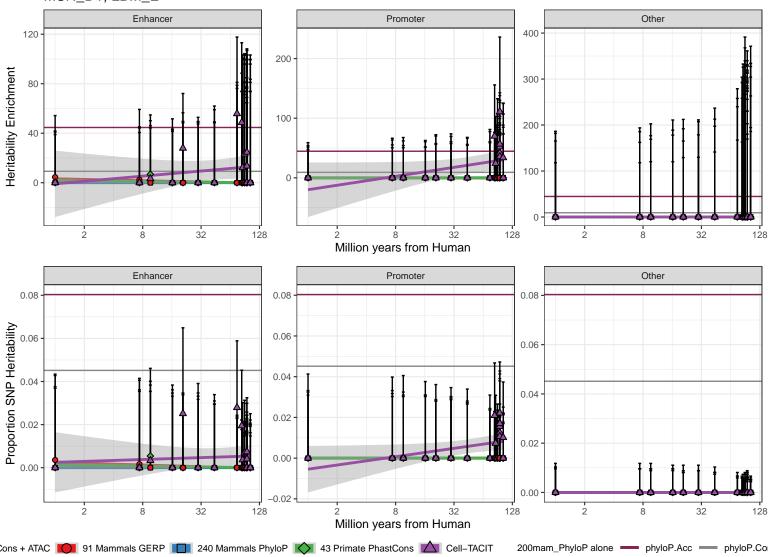
MSN_D1, CAD_E



MSN_D1, Height_E



MSN_D1, LBM_E



Heritability Enrichment 100 80 -200 -50 40 32 128 32 32 2 128 8 128 8 2 Million years from Human Other Enhancer Promoter 0.04 -0.04

Promoter

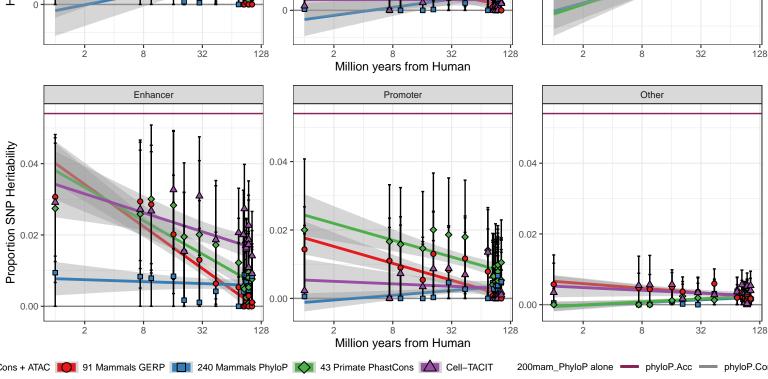
120

Other

400

MSN_D1, Longevity_E

Enhancer



MSN_D1, WHRadjBMI_E

