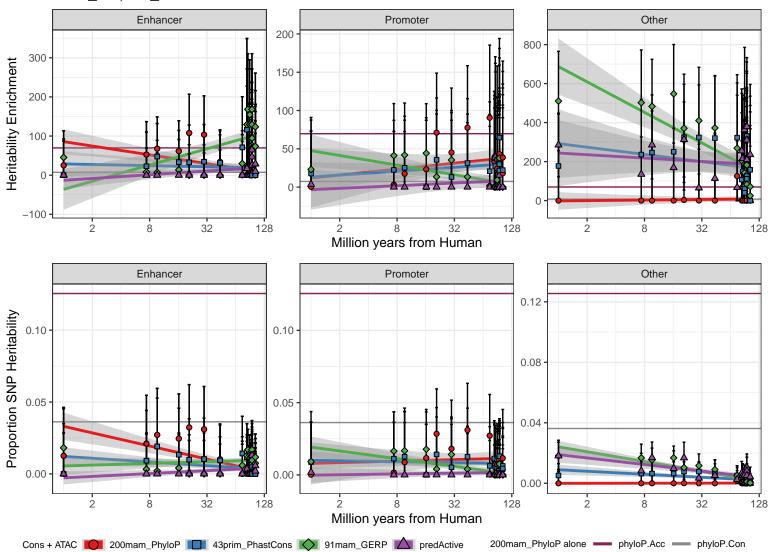
MSN_SN, AD_E

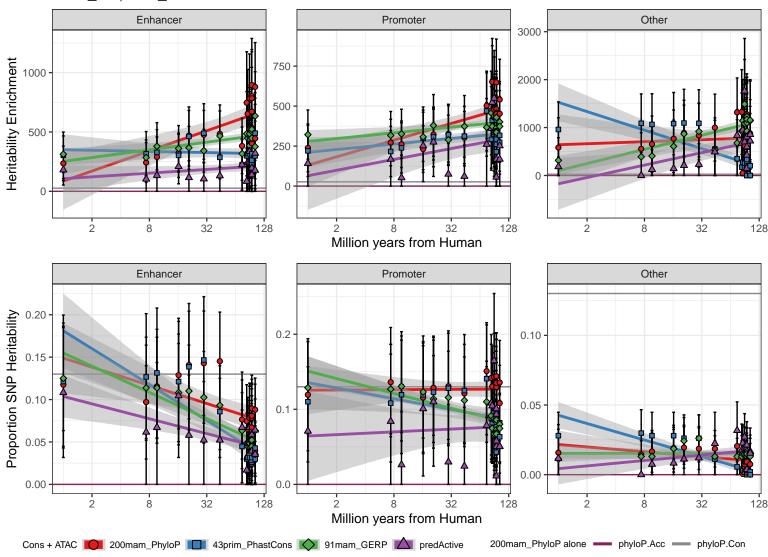


MSN_SN, AD-ADBP_E Enhancer Promoter Other 900 400 Heritability Enrichment 200 -600 200 100 -300 32 32 32 8 128 128 2 2 8 128 Million years from Human Enhancer Promoter Other Proportion SNP Heritability
0.000
0.0000 0.075 -0.075 0.050 -0.050 0.025 -0.025 0.000 0.000 -0.025 32 128 32 128 32 128 2 8 2 8 Million years from Human

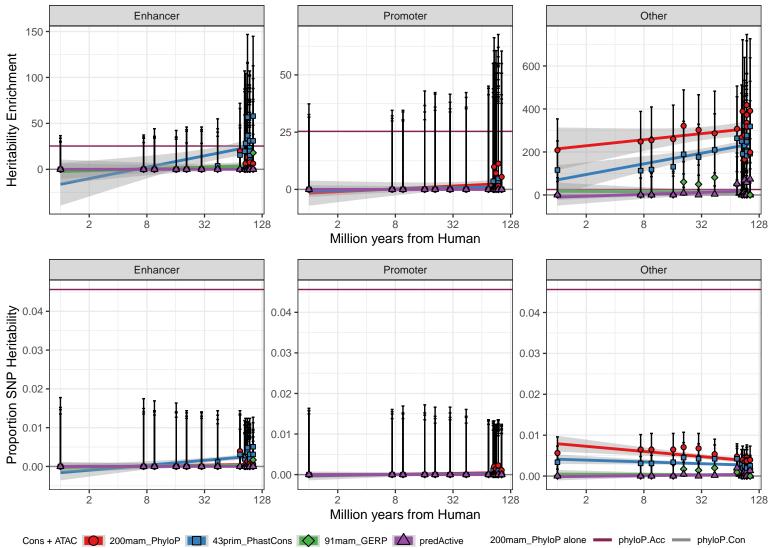
200mam_PhyloP alone — phyloP.Acc — phyloP.Con

Cons + ATAC 200mam_PhyloP 43prim_PhastCons 91mam_GERP predActive

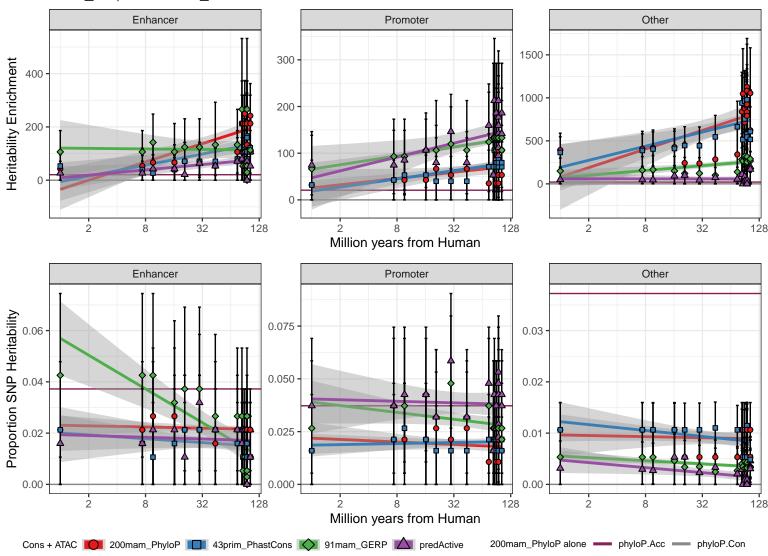
MSN_SN, ALS_E



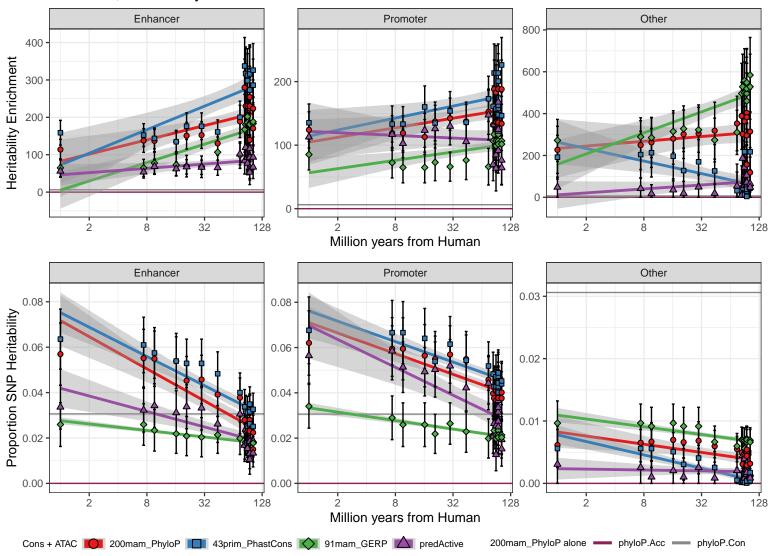
MSN_SN, AMD_E



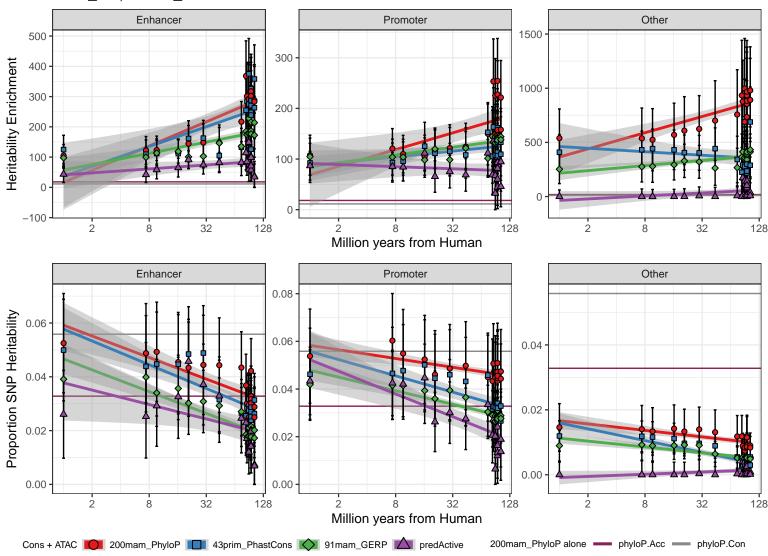
MSN_SN, PD-PDBP_E



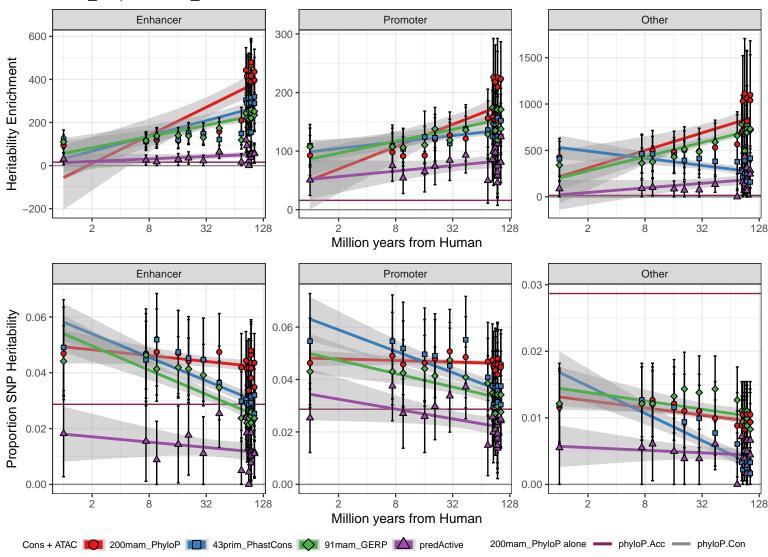
MSN_SN, Cross-Psych_E



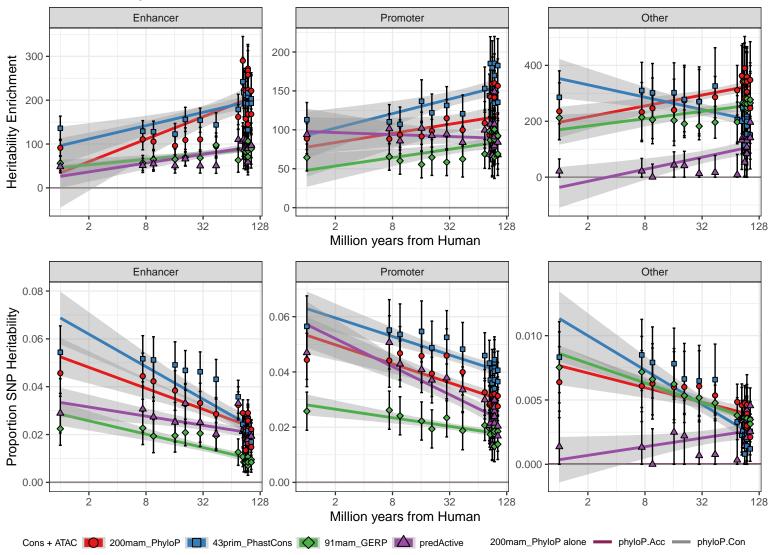
MSN_SN, ADHD_E



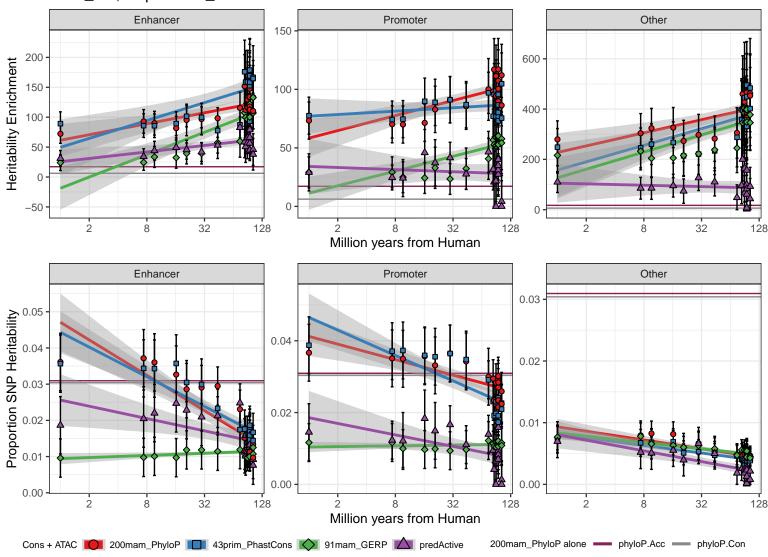
MSN_SN, Anorexia_E



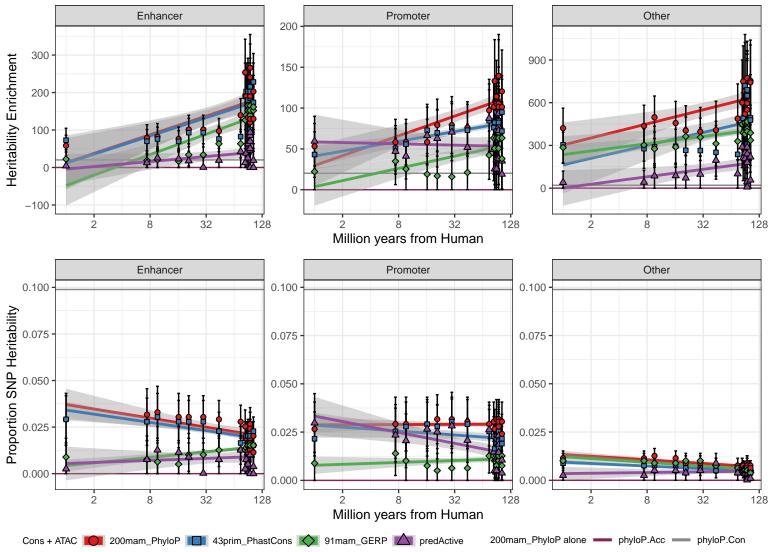
MSN_SN, Bipolar_E



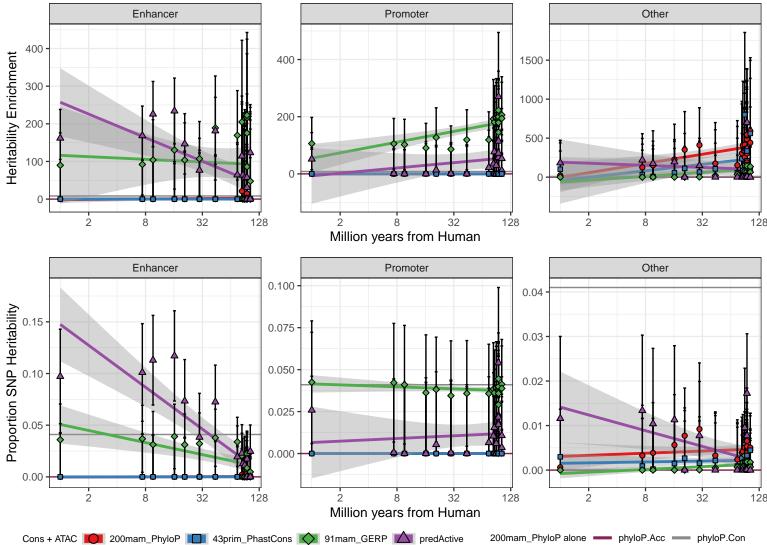
MSN_SN, Depression_E



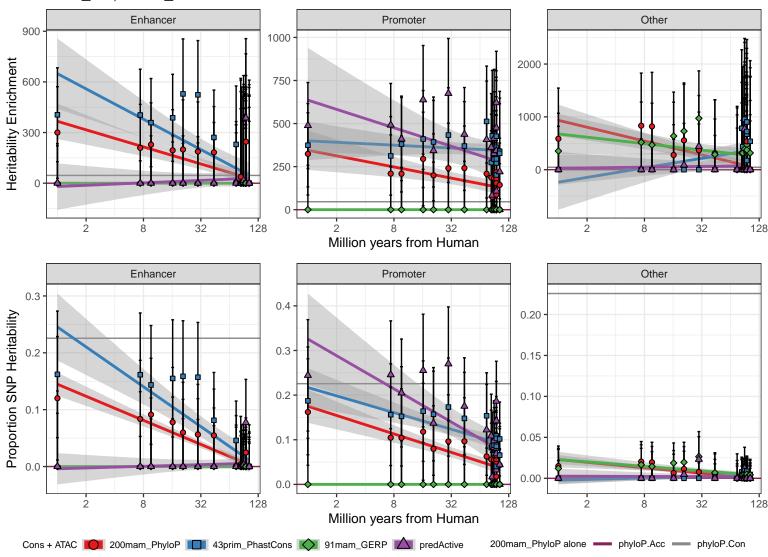
MSN_SN, MDD_E



MSN_SN, OCD_E



MSN_SN, PTSD_A



MSN_SN, PTSD_E Other Enhancer Promoter 4000 Heritability Enrichment 3000 500 200 2000 250 100 -1000 -250 32 32 32 128 128 2 8 2 128 Million years from Human Other Enhancer Promoter 0.09 Proportion SNP Heritability 0.075 0.08 0.06 0.050 0.03 0.04 -0.025 0.00 0.00 -0.000 -0.0332 128 32 128 32 128 2 8 2 8 Million years from Human Cons + ATAC 200mam_PhyloP 43prim_PhastCons 91mam_GERP predActive 200mam_PhyloP alone — phyloP.Acc — phyloP.Con

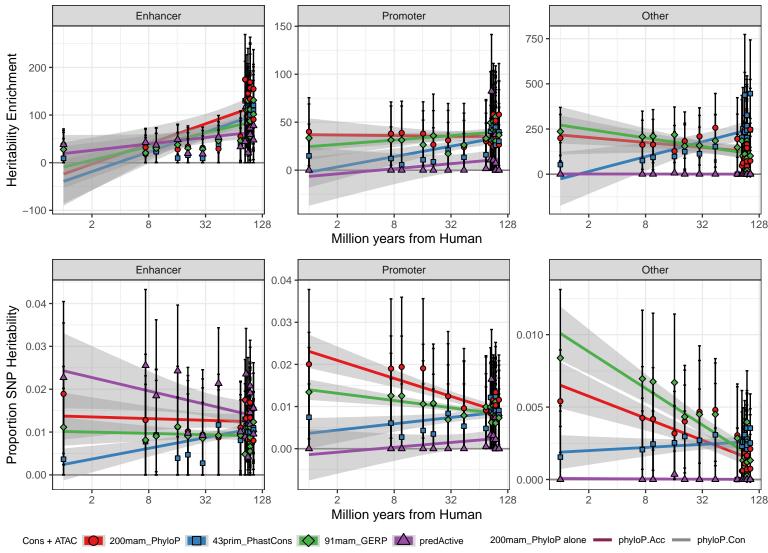
MSN_SN, Schizophrenia_E Enhancer Other Promoter 300 400 Heritability Enrichment 200 -300 200 200 100 100 100 32 32 32 2 128 128 2 128 Million years from Human Enhancer Other Promoter 0.08 Proportion SNP Heritability 0.006 0.075 0.06 0.004 0.050 0.04 0.002 0.025 0.02 0.000 0.00 0.000 32 32 128 32 128 128 2 2 Million years from Human

200mam_PhyloP alone -

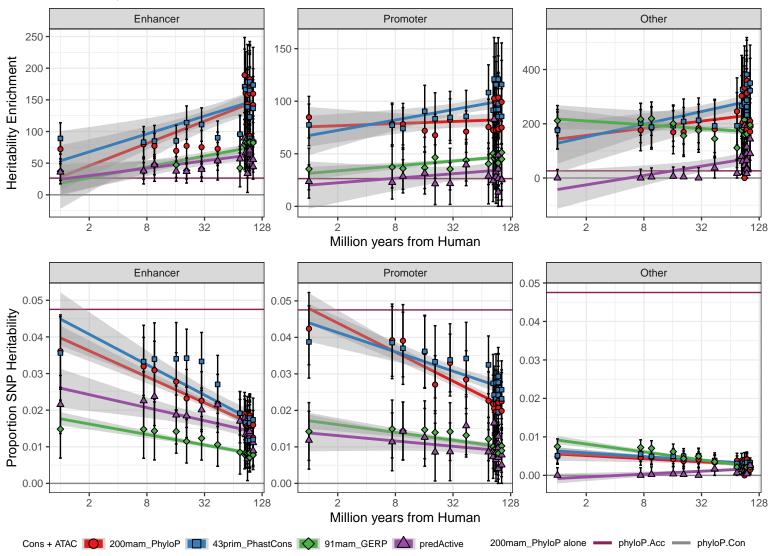
phyloP.Acc phyloP.Con

Cons + ATAC 200mam_PhyloP 43prim_PhastCons 91mam_GERP 1 predActive

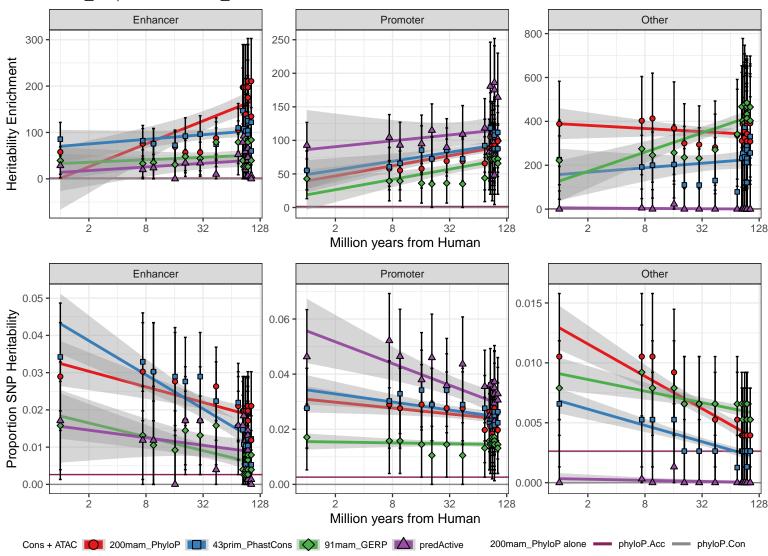
MSN_SN, AUDIT-C_E



MSN_SN, DrinksPerWeek_E



MSN_SN, CannabisUse_E



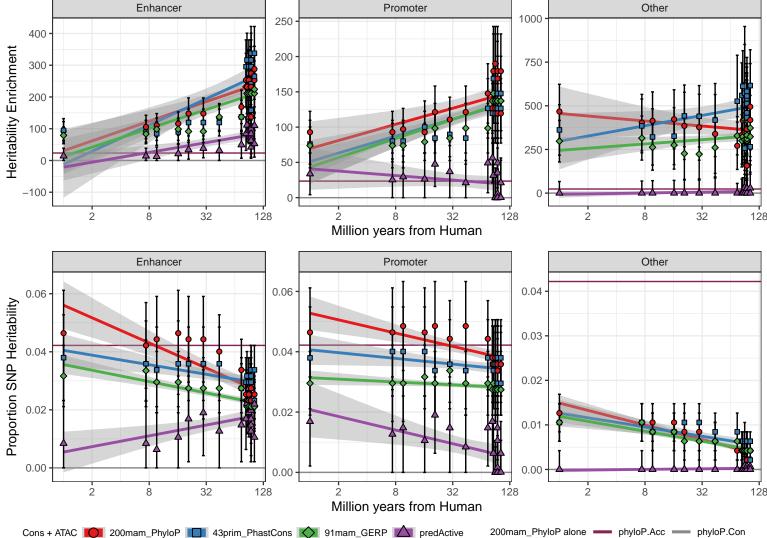
MSN_SN, CoffeePerDay_E Enhancer Other Promoter 750 3000 500 Heritability Enrichment 400 500 2000 300 200 -250 -1000 100 0 32 128 32 32 2 2 8 128 128 Million years from Human Enhancer Other Promoter 0.100 0.100 0.100 -Proportion SNP Heritability
0.0050
0.0025 0.075 -0.075 0.050 0.050 0.025 -0.025 -0.000 -0.000 0.000 32 8 128 32 128 32 2 2 8 128 Million years from Human

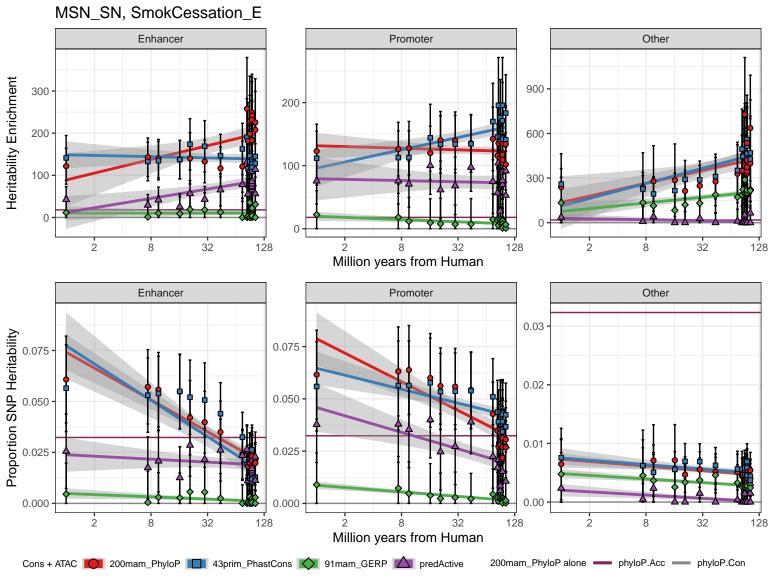
200mam_PhyloP alone -

phyloP.Acc phyloP.Con

Cons + ATAC 200mam_PhyloP 43prim_PhastCons 91mam_GERP 1 predActive

MSN_SN, SmokAgeOfInit_E Enhancer



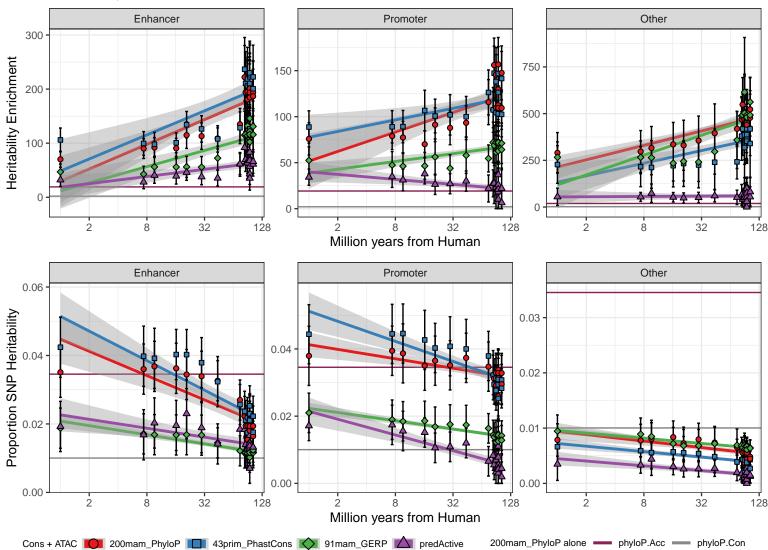


MSN_SN, SmokCigPerDay_E Other Enhancer Promoter 1000 Heritability Enrichment 200 200 -750 500 -100 100 250 32 128 32 32 2 128 2 128 Million years from Human Other Enhancer Promoter 0.06 0.08 -0.05 Proportion SNP Heritability 0.04 0.06 -0.03 0.04 -0.02 0.02 -0.01 0.00 0.00 32 32 128 128 32 128 2 8 2 8 Million years from Human

200mam_PhyloP alone — phyloP.Acc — phyloP.Con

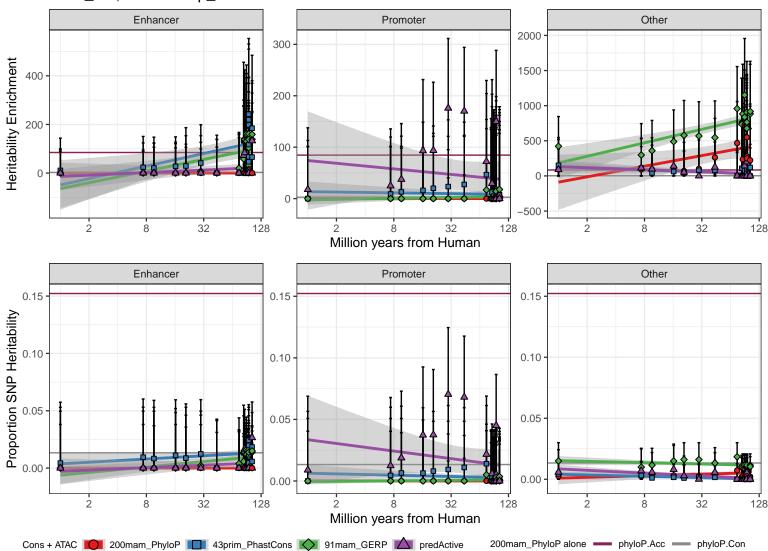
Cons + ATAC 200mam_PhyloP 43prim_PhastCons 91mam_GERP 1 predActive

MSN_SN, SmokInitiation_E

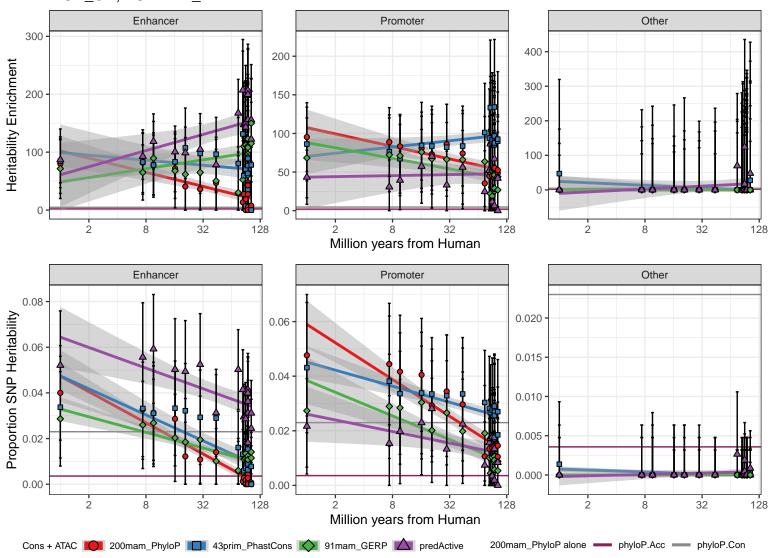


MSN_SN, OpioidUse_E Enhancer Other Promoter Heritability Enrichment 30000 7500 -20000 5000 -2500 10000 32 32 32 8 128 128 2 128 2 Million years from Human Enhancer Other Promoter 2.0 0.8 -Proportion SNP Heritability 1.5 1.5 -0.6 1.0 0.4 1.0 0.2 -0.5 0.5 -0.0 0.0 0.0 32 32 8 128 32 128 128 2 2 8 Million years from Human Cons + ATAC 200mam_PhyloP 43prim_PhastCons 91mam_GERP predActive 200mam_PhyloP alone — phyloP.Acc — phyloP.Con

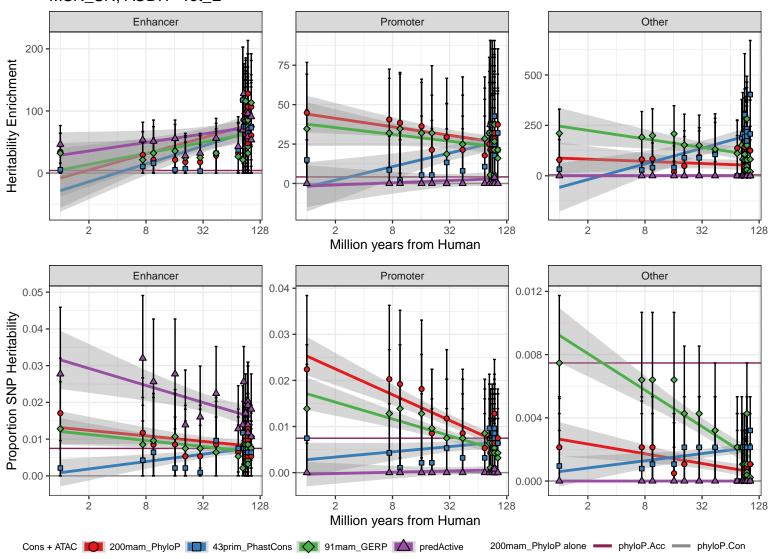
MSN_SN, AlcoholDep_E



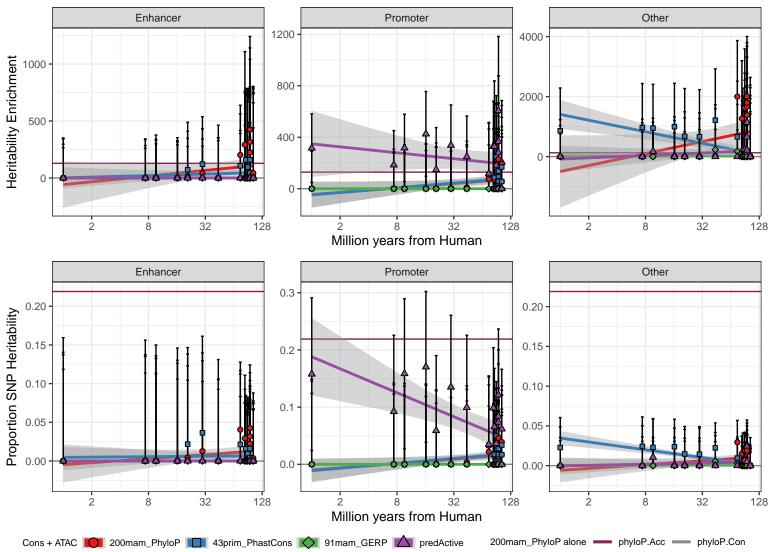
MSN_SN, AUDIT-P_E



MSN_SN, AUDIT-Tot_E



MSN_SN, CannabisUD_A



Enhancer Other Promoter 300 1000 Heritability Enrichment 150 200 500 100 -100 50 --500 32 32 128 32 2 128 128 Million years from Human Enhancer Other Promoter 0.08 Proportion SNP Heritability 0.015 0.06 0.010 0.04 -0.005 0.02 0.000 0.00 0.00

MSN_SN, CannabisUD_E

32

8

2

128

Million years from Human

32

-0.005

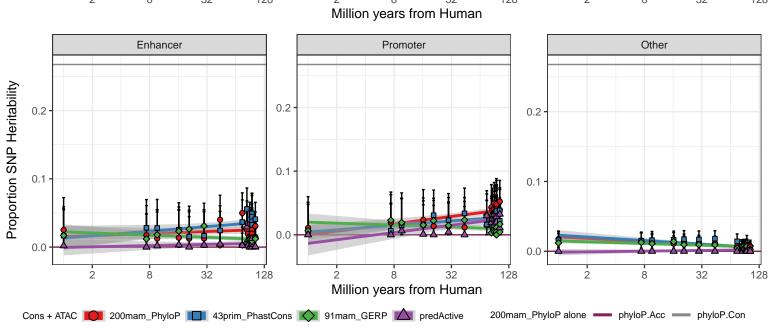
128

32

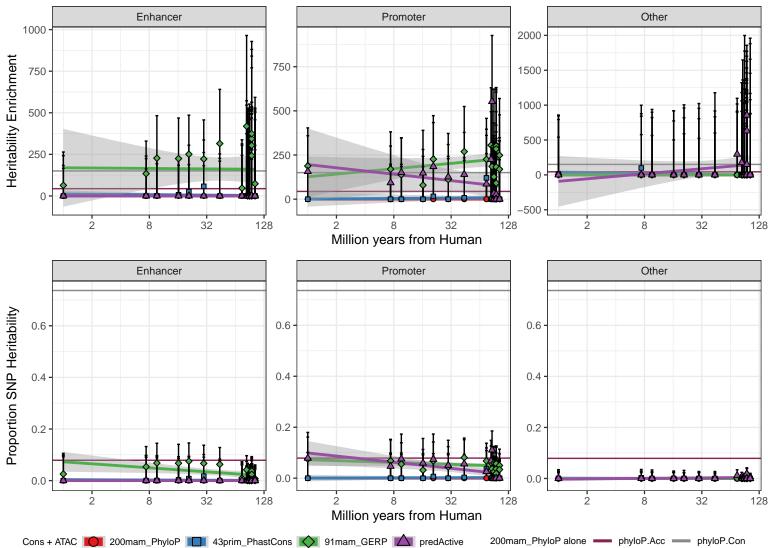
128

Enhancer Other Promoter 900 400 -1500 Heritability Enrichment 600 1000 -200 -300 -500 -300 32 32 32 128 128 2 8 2 128 Million years from Human Other Enhancer Promoter

MSN_SN, CocaineDep_E



MSN_SN, OpioidDep_E

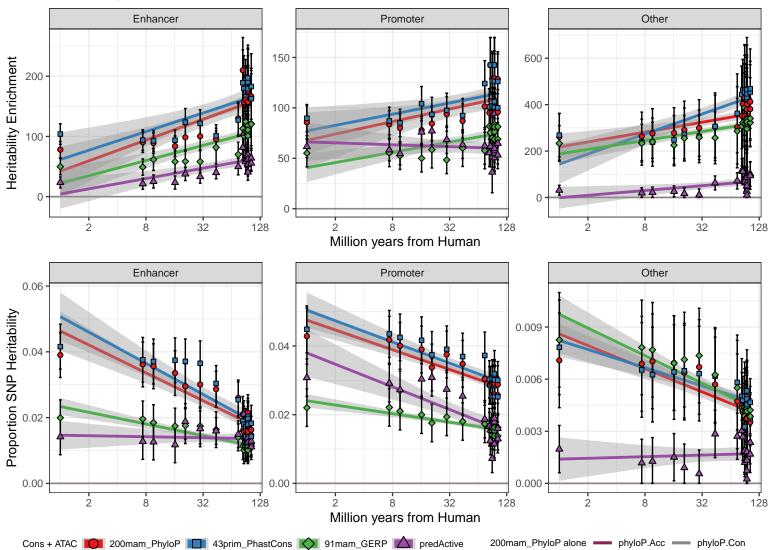


MSN_SN, OpioidDep-vs-Exp_A Other Enhancer Promoter Heritability Enrichment 1500 1000 5000 1000 500 500 0 -500 32 128 32 32 128 2 128 2 8 Million years from Human Other Enhancer Promoter 2.5 2.5 2.5 Proportion SNP Heritability 2.0 2.0 2.0 1.5 1.5 -1.5 1.0 1.0 1.0 0.5 -0.5 0.5 0.0 32 128 32 128 32 128 2 8 8 Million years from Human

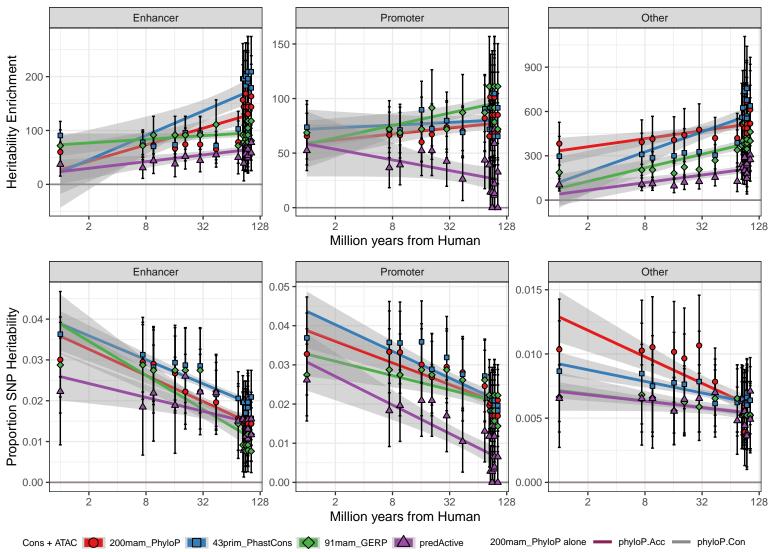
200mam_PhyloP alone — phyloP.Acc — phyloP.Con

Cons + ATAC 200mam_PhyloP 43prim_PhastCons 91mam_GERP predActive

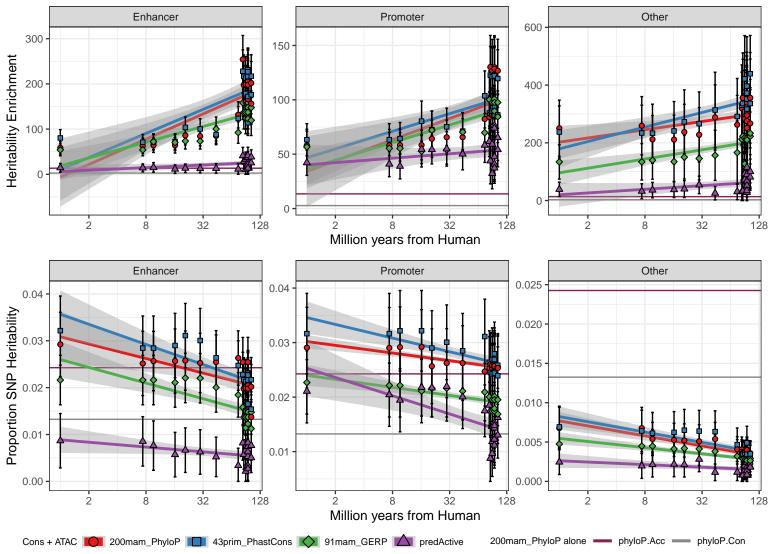
MSN_SN, EduAttain_E



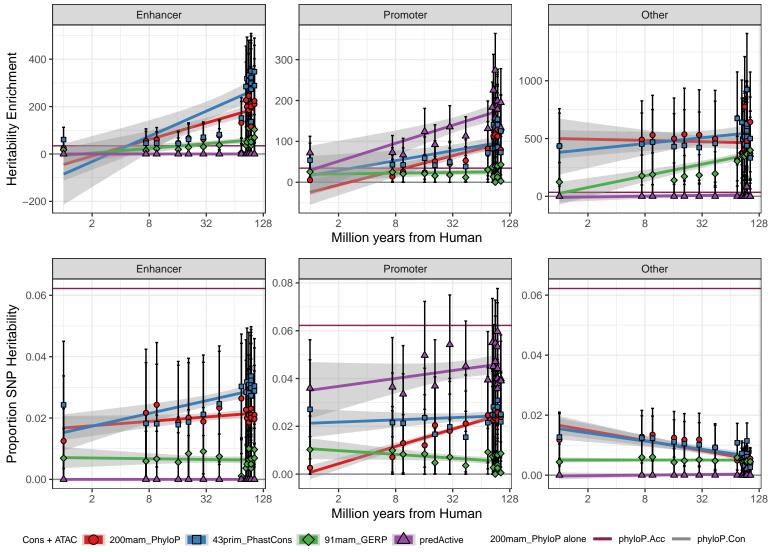
MSN_SN, Income_E



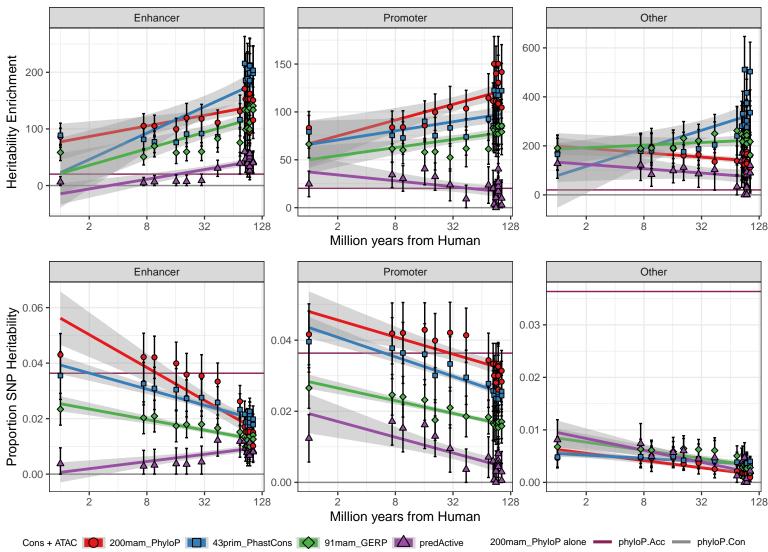
MSN_SN, BMI_E



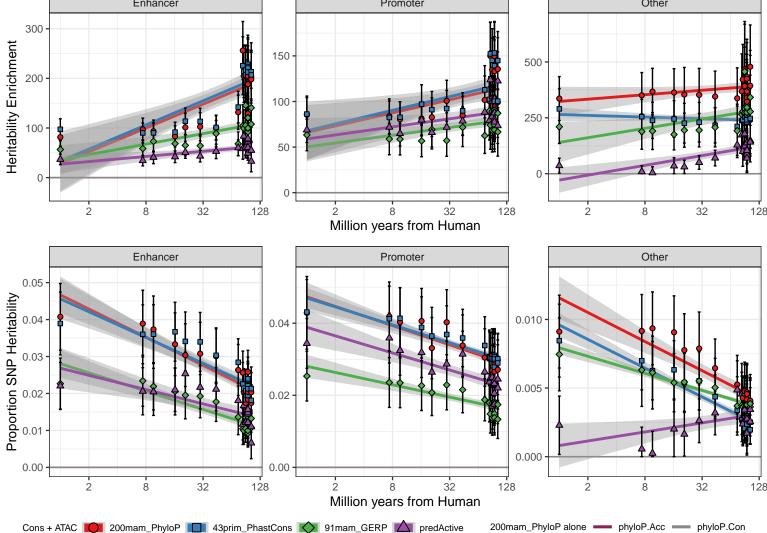
MSN_SN, BrainVol_E



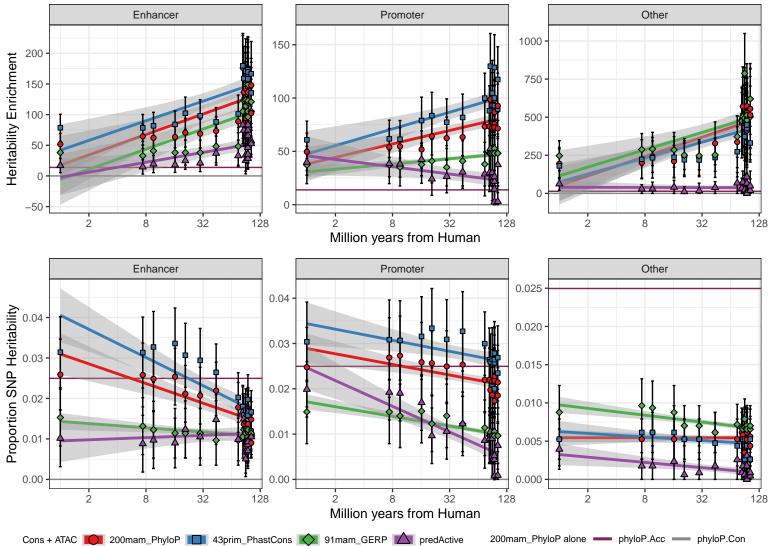
MSN_SN, Neuroticsim_E



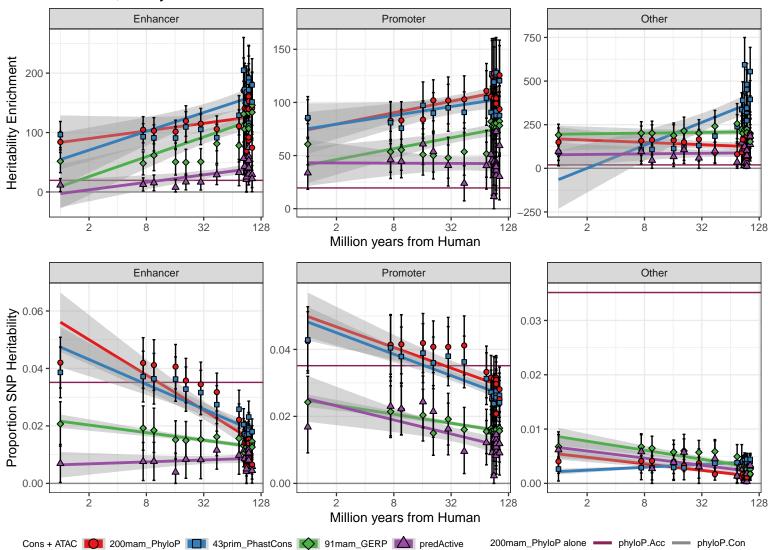
MSN_SN, Intelligence_E Enhancer Other Promoter

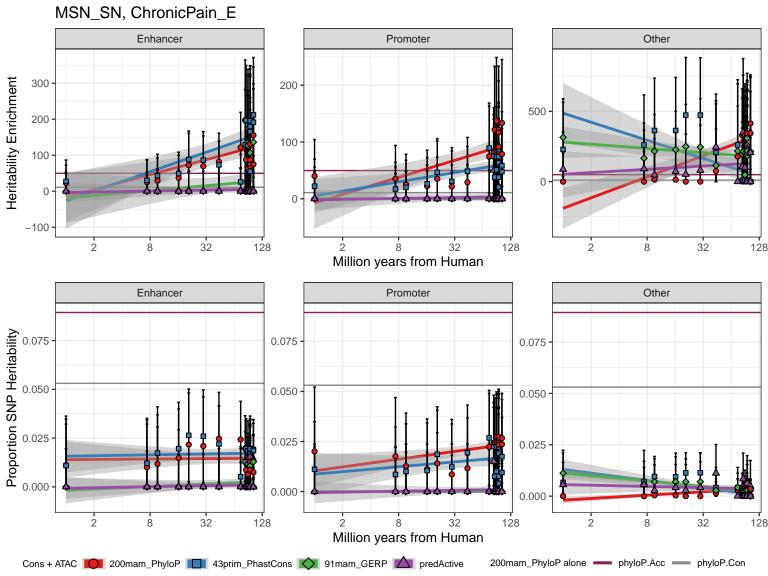


MSN_SN, RiskyBehavior_E

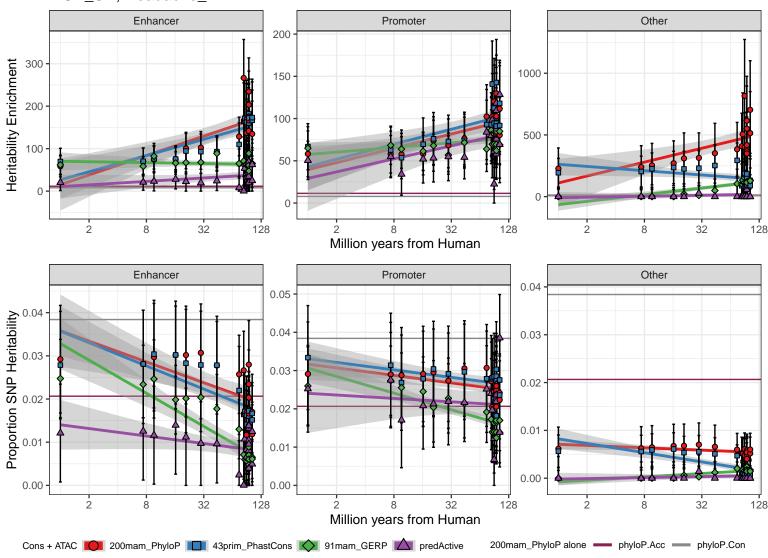


MSN_SN, Worry_E

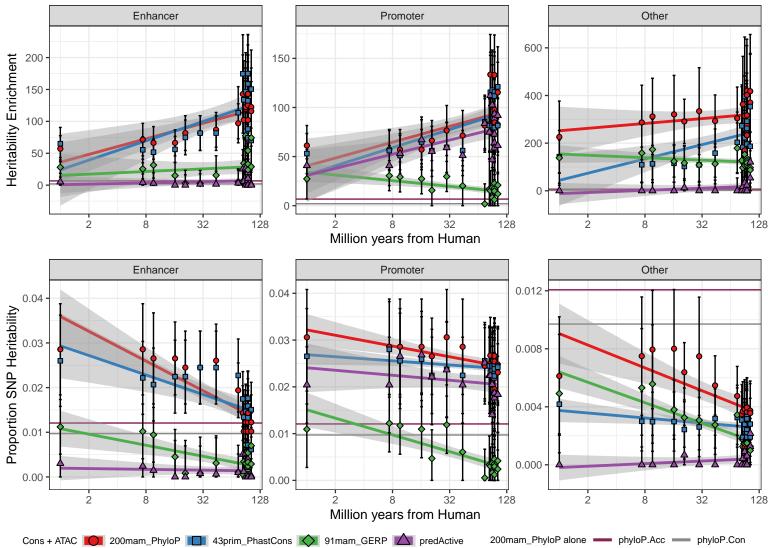




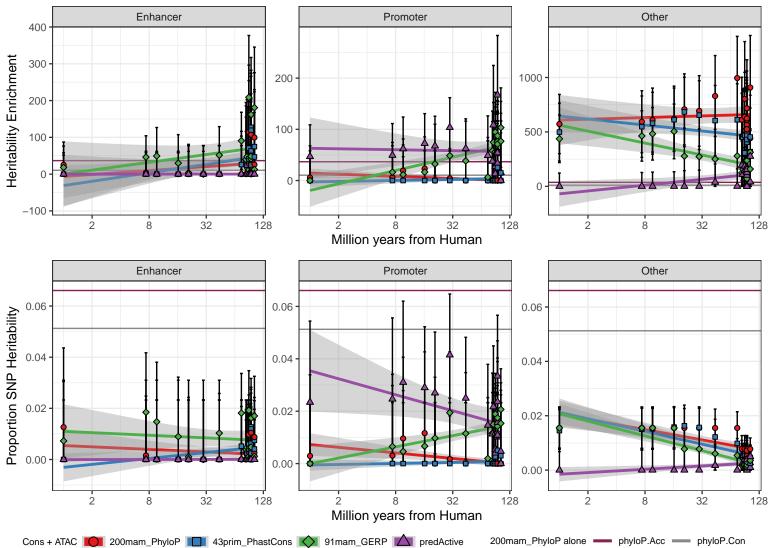
MSN_SN, Headache_E



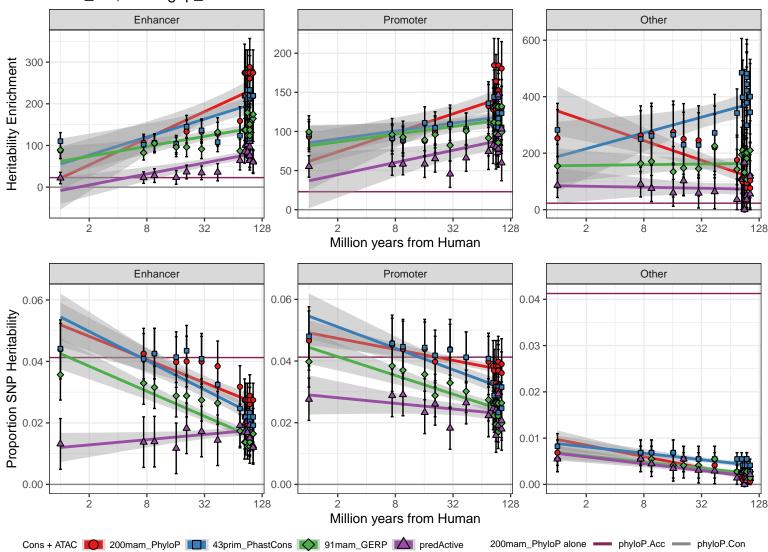
MSN_SN, DaySleepiness_E



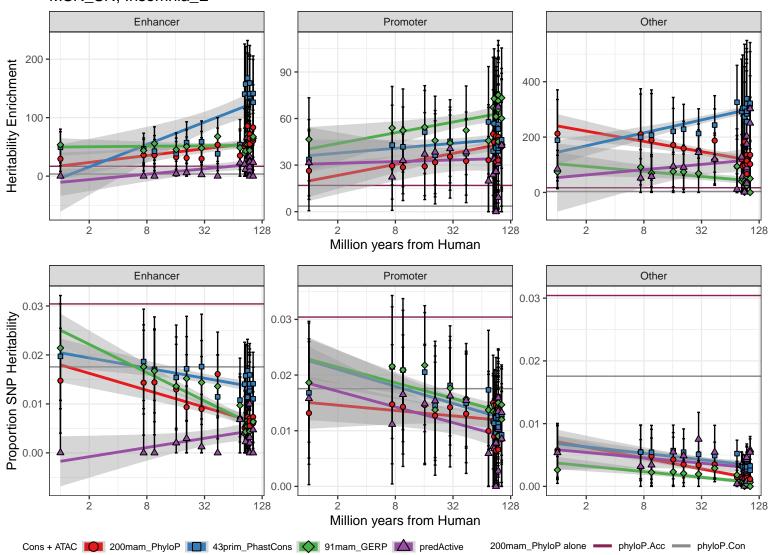
MSN_SN, Dozing_E



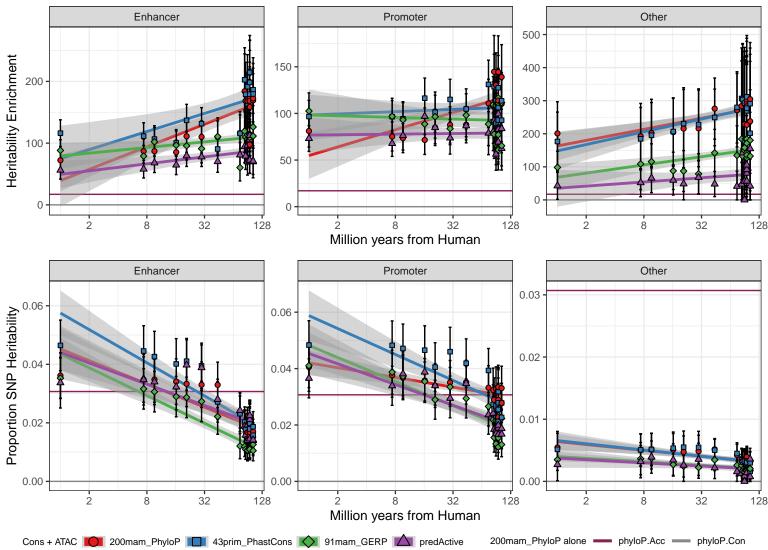
MSN_SN, Gettingup_E



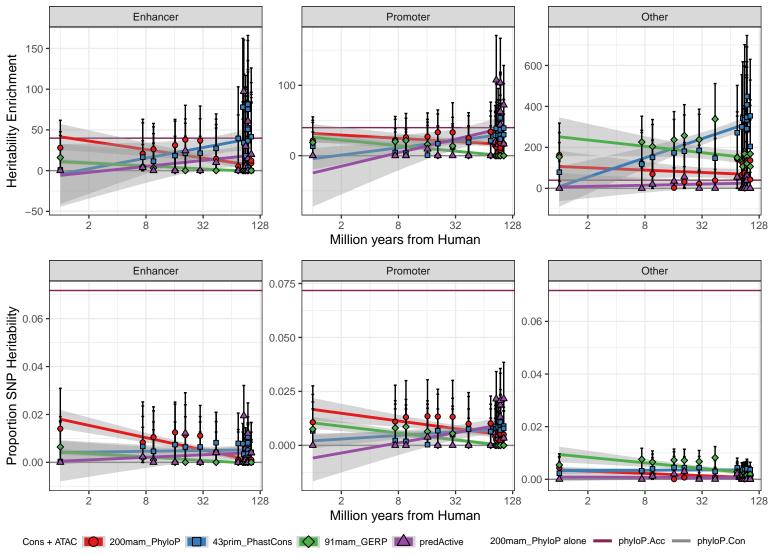
MSN_SN, Insomnia_E



MSN_SN, Morningness_E



MSN_SN, Napping_E

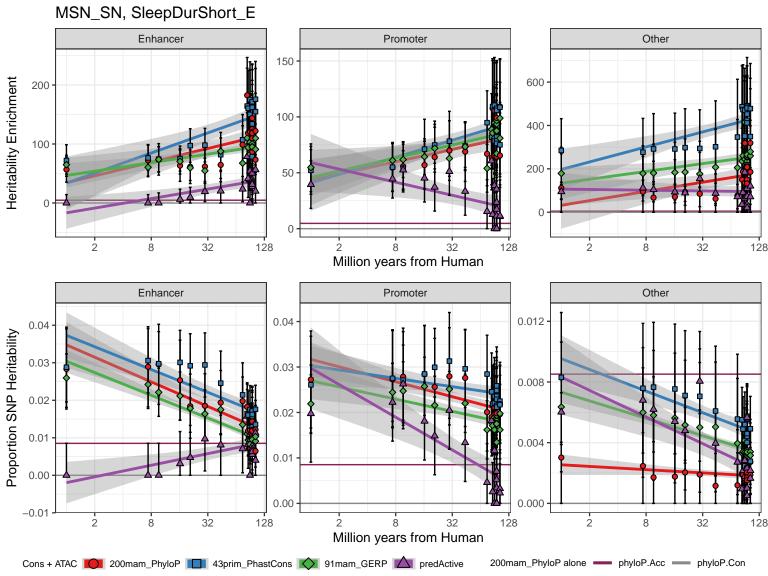


MSN_SN, SleepDurLong_E Enhancer Other Promoter 200 -400 -600 Heritability Enrichment 150 -300 400 100 200 200 100 -50 -10032 32 32 128 128 128 2 8 2 Million years from Human Enhancer Other Promoter 0.015 0.05 Proportion SNP Heritability 0.04 0.04 0.010 0.03 0.02 0.02 -0.005 0.01 0.00 0.00 0.000 32 128 32 128 32 128 2 8 2 8 Million years from Human

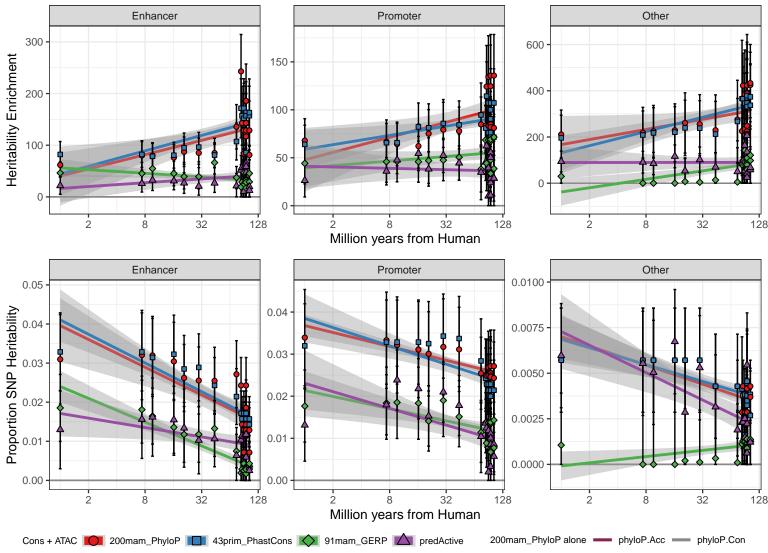
200mam_PhyloP alone -

phyloP.Acc phyloP.Con

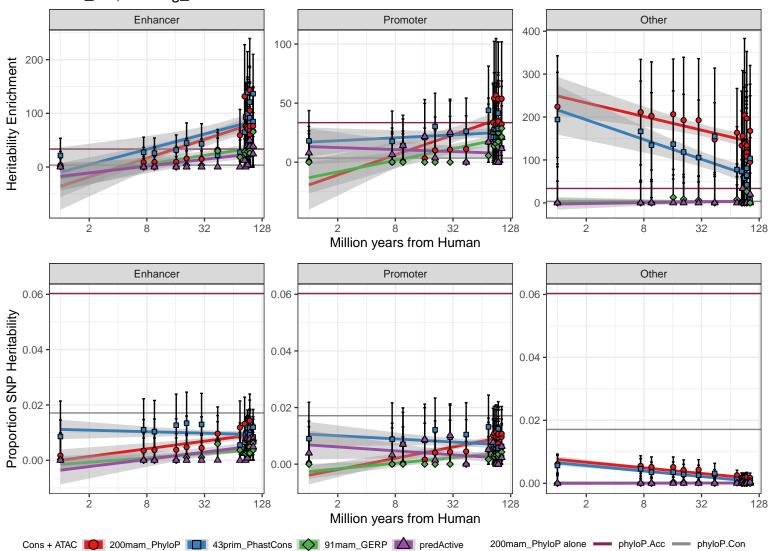
Cons + ATAC 200mam_PhyloP 43prim_PhastCons 91mam_GERP 1 predActive



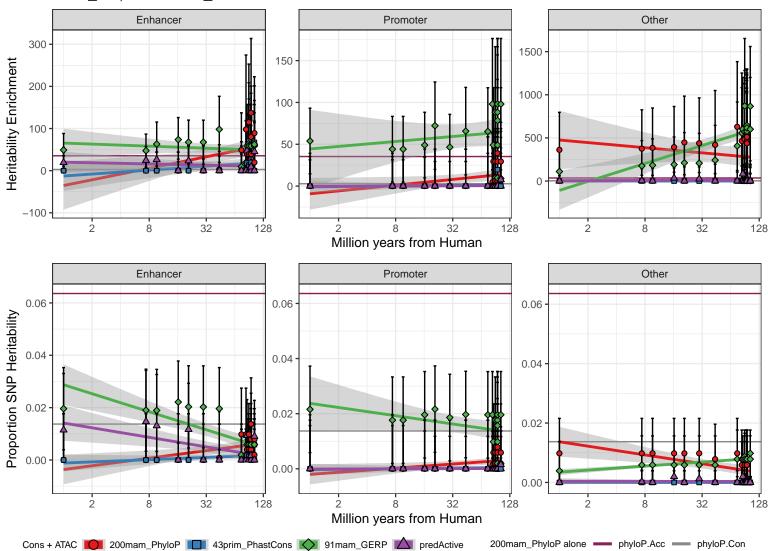
MSN_SN, SleepDurTot_E



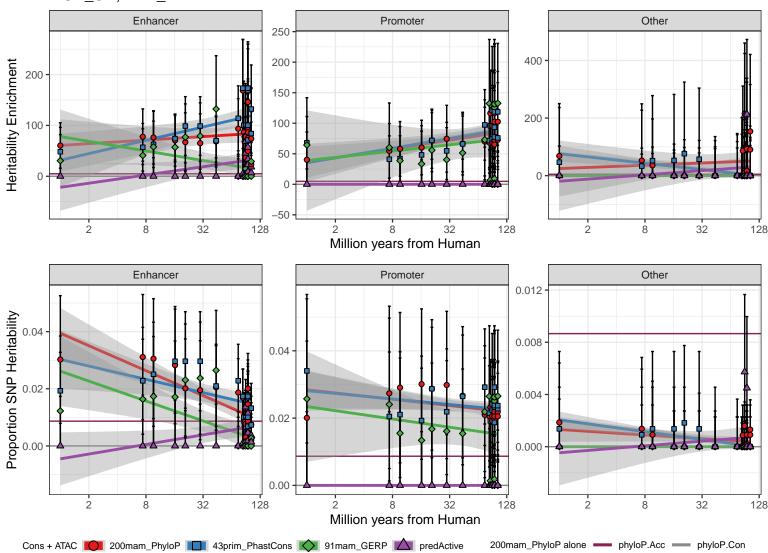
MSN_SN, Snoring_E



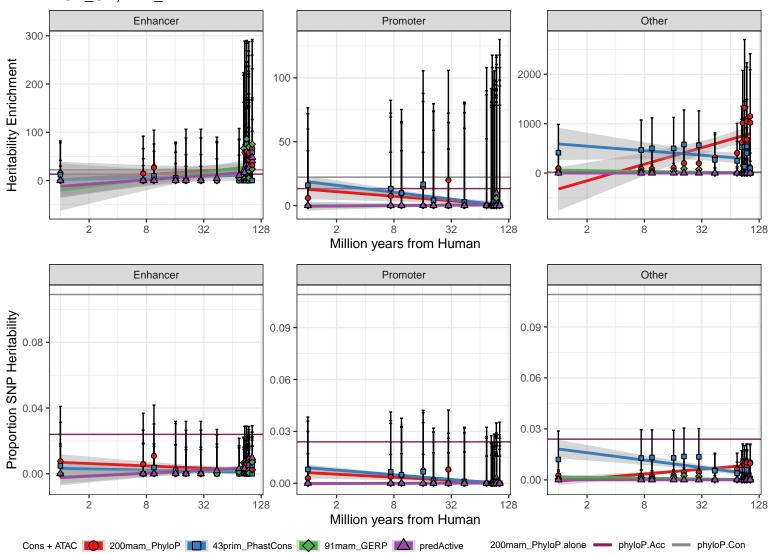
MSN_SN, BloodUrea_E



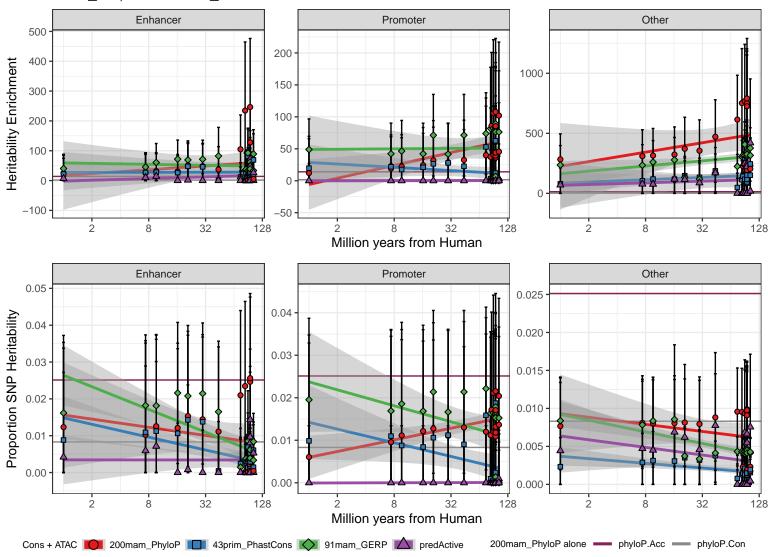
MSN_SN, HDL_E



MSN_SN, LDL_E



MSN_SN, T2Diabetes_E

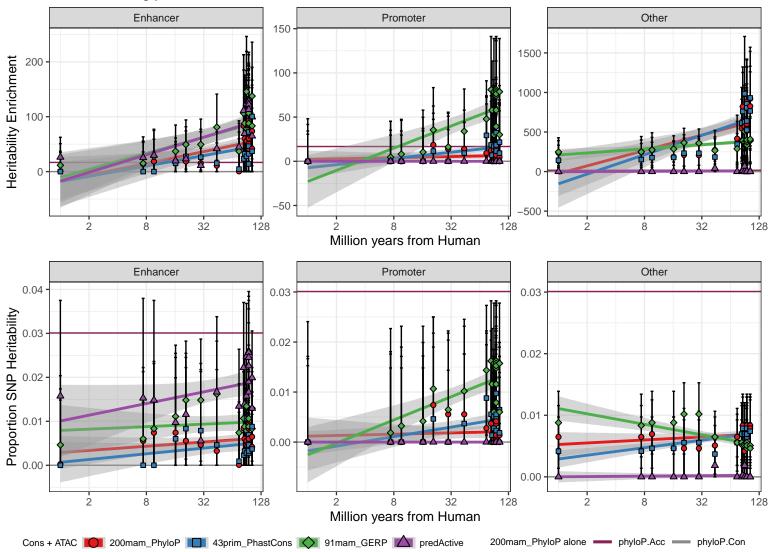


MSN_SN, TotCholesterol_E Other Enhancer Promoter 150 300 -Heritability Enrichment 200 100 1000 -100 50 -0 -10032 32 128 32 128 2 8 2 8 128 Million years from Human Other Enhancer Promoter 0.08 Proportion SNP Heritability 0.075 -0.075 0.06 0.050 0.050 0.04 0.025 0.025 0.02 0.00 0.000 -0.000 32 128 32 128 32 2 8 2 8 128 Million years from Human

200mam_PhyloP alone — phyloP.Acc — phyloP.Con

Cons + ATAC 200mam_PhyloP 43prim_PhastCons 91mam_GERP predActive

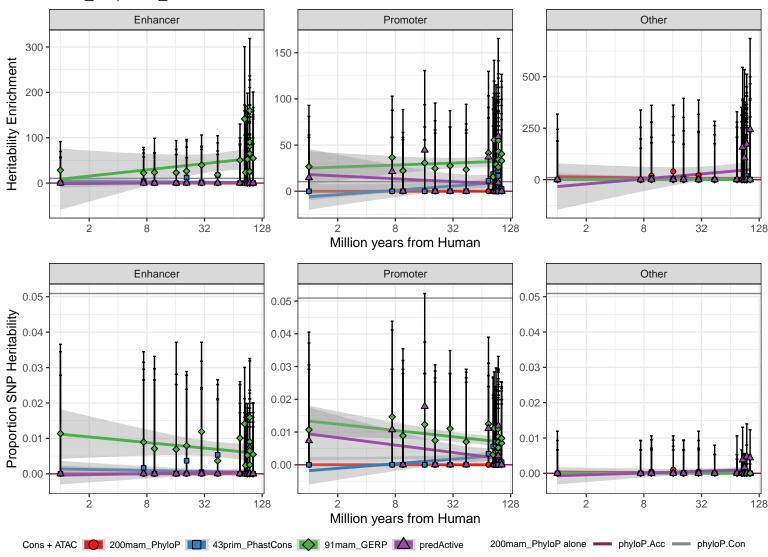
MSN_SN, Triglycerides_E



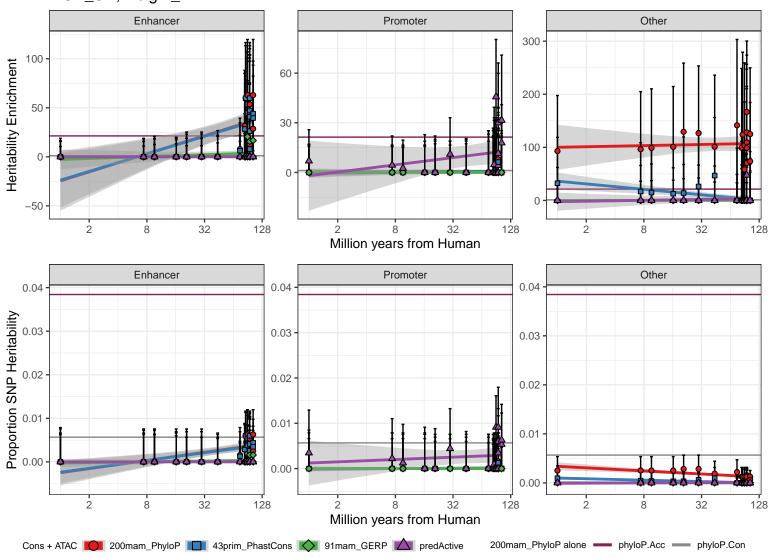
MSN_SN, BMD_E Enhancer Promoter Other 50 -50 Heritability Enrichment 40 90 40 30 -30 60 20 20 -30 10 10 -0 0 -32 32 32 8 128 128 2 128 Million years from Human Enhancer Promoter Other Proportion SNP Heritability 0.075 -0.075 -0.050 0.050 0.025 -0.025 0.000 32 128 32 32 8 128 2 8 128 Million years from Human Cons + ATAC 200mam_PhyloP 43prim_PhastCons 91mam_GERP predActive

200mam_PhyloP alone — phyloP.Acc — phyloP.Con

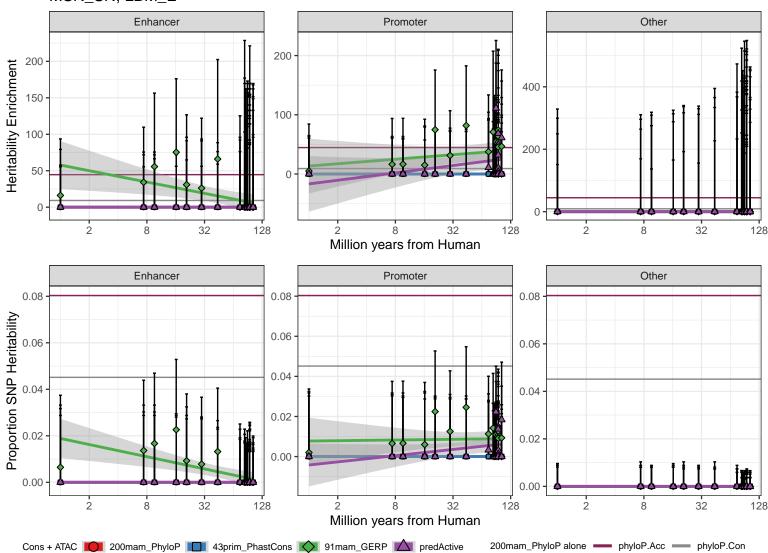
MSN_SN, CAD_E



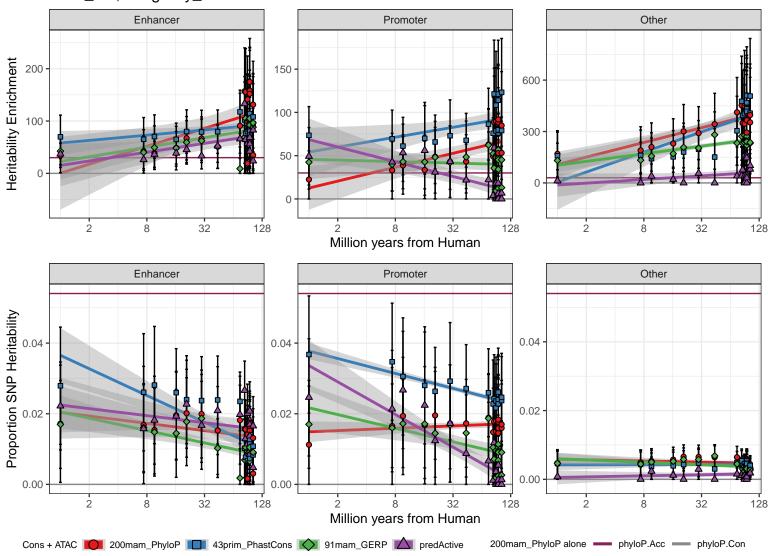
MSN_SN, Height_E



MSN_SN, LBM_E



MSN_SN, Longevity_E



MSN_SN, WHRadjBMI_E Enhancer Promoter Other 40 400 Heritability Enrichment 30 -40 200 20 20 10 -0 . 32 32 32 8 128 2 128 2 8 128 Million years from Human Enhancer Promoter Other 0.100 0.100 -0.100 Proportion SNP Heritability 0.0020 0.075 0.075 -0.075 -0.050 0.050 -0.025 0.025 0.000 32 32 32 8 128 128 2 8 128 Million years from Human Cons + ATAC 200mam_PhyloP 43prim_PhastCons 91mam_GERP predActive 200mam_PhyloP alone phyloP.Acc phyloP.Con