INT\_Pvalb, AD\_E

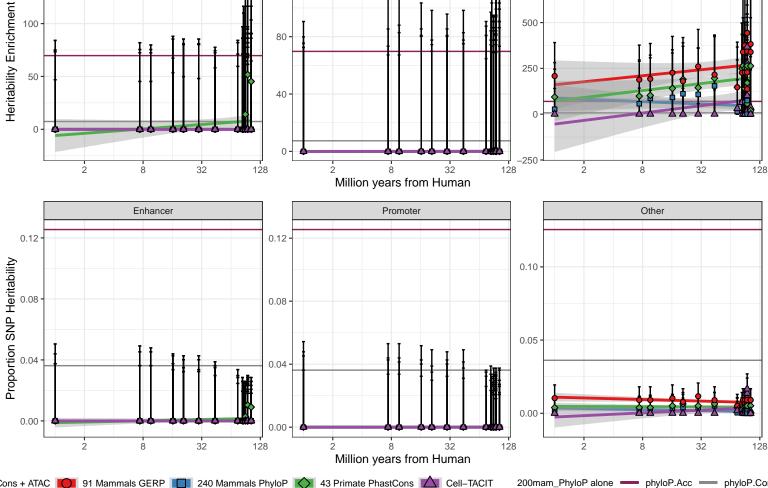
Enhancer

150

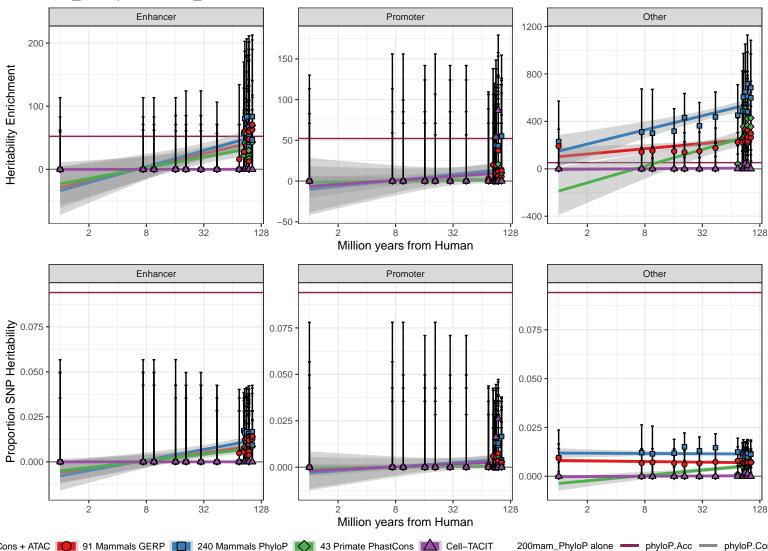
Promoter

750

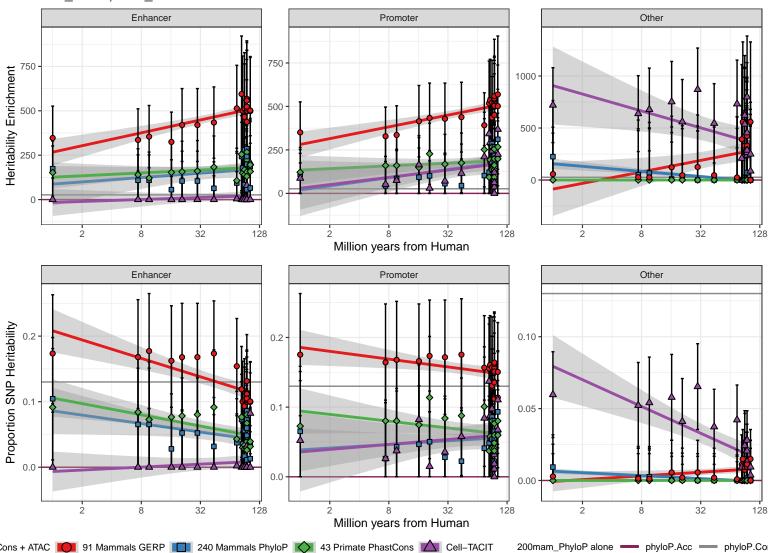
500



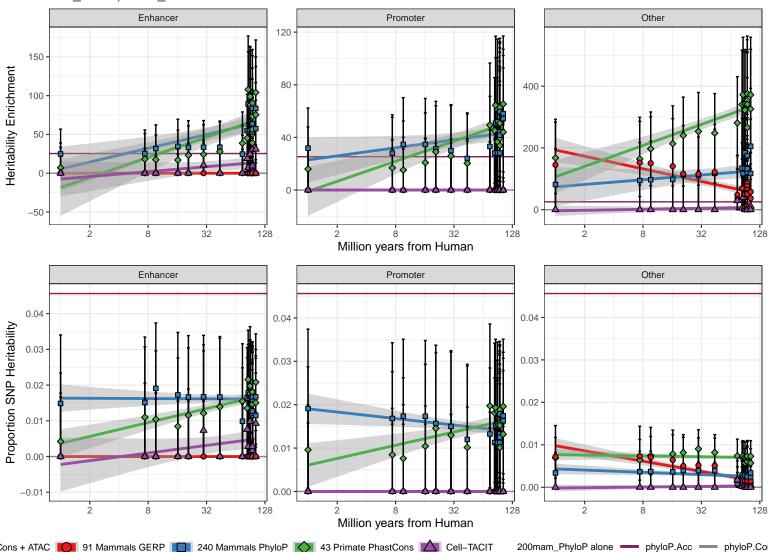
## INT\_Pvalb, AD-ADBP\_E



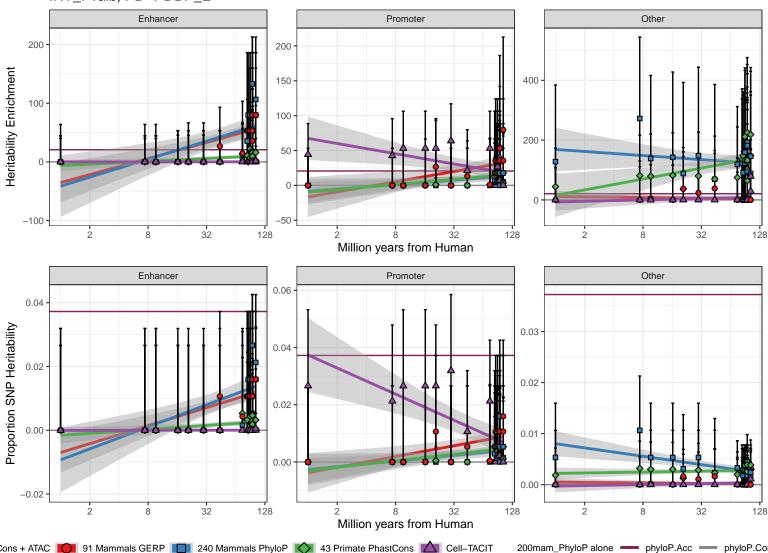
INT\_Pvalb, ALS\_E



INT\_Pvalb, AMD\_E



INT\_Pvalb, PD-PDBP\_E



INT\_Pvalb, Cross-Psych\_E Enhancer Promoter Other 200 300 -200 Heritability Enrichment 150 150 200 -100 -100 100 -50 -50 32 128 128 32 128 Million years from Human Other Enhancer Promoter 0.03 0.06 0.06 Proportion SNP Heritability 0.02 -0.04 0.01 0.02 0.00 0.00 32 128 32 128 32 128 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

INT\_Pvalb, ADHD\_E Enhancer Promoter Other 200 150 600 -150 Heritability Enrichment 100 400 100 50 50 200 0 . -50 32 32 128 32 128 8 128 2 8 Million years from Human Promoter Enhancer Other Proportion SNP Heritability 0.04 0.04 0.02 0.02 -0.00 0.00 0.00 32 128 32 128 32 2 8 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

INT\_Pvalb, Anorexia\_E Enhancer Promoter Other 150 600 Heritability Enrichment 200 100 -400 100 -50 -200 32 32 128 32 128 2 128 8 8 Million years from Human Enhancer Promoter Other 0.03 Proportion SNP Heritability 0.04 0.02 0.02 0.01 -0.00 32 32 128 32 128 128 2 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

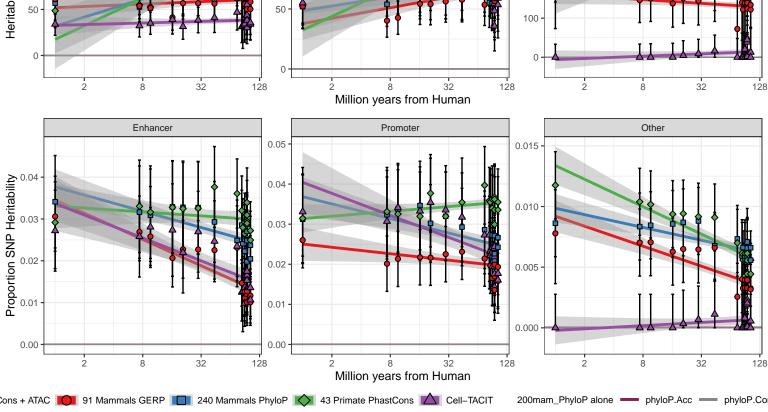
Heritability Enrichment 

Promoter

Other

INT\_Pvalb, Bipolar\_E

Enhancer



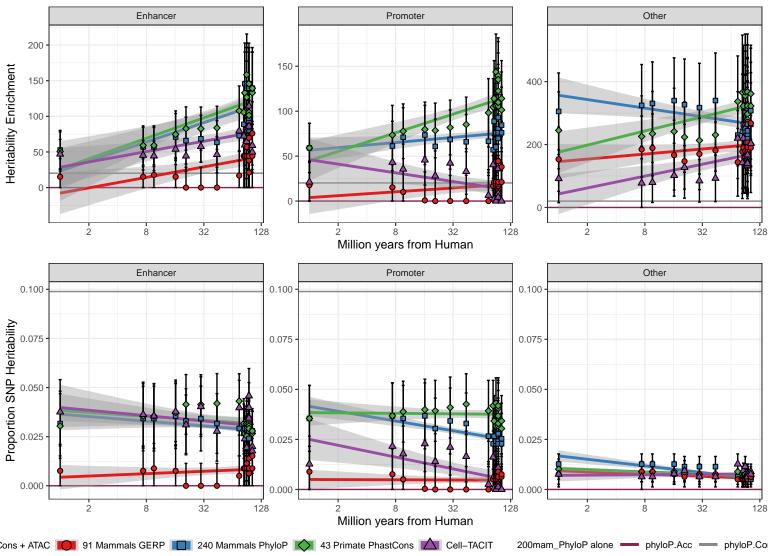
INT\_Pvalb, Depression\_E Enhancer Promoter Other 400 120 150 Heritability Enrichment 300 -100 80 -200 -50 -40 -100 0 32 32 128 32 128 128 8 Million years from Human Other Enhancer Promoter 0.03 0.04 0.04 Proportion SNP Heritability 0.03 0.02 0.02 0.01 0.01 0.00 0.00 0.00 32 32 128 32 128 128 8 8 Million years from Human

200mam\_PhyloP alone phyloP.Acc phyloP.Co

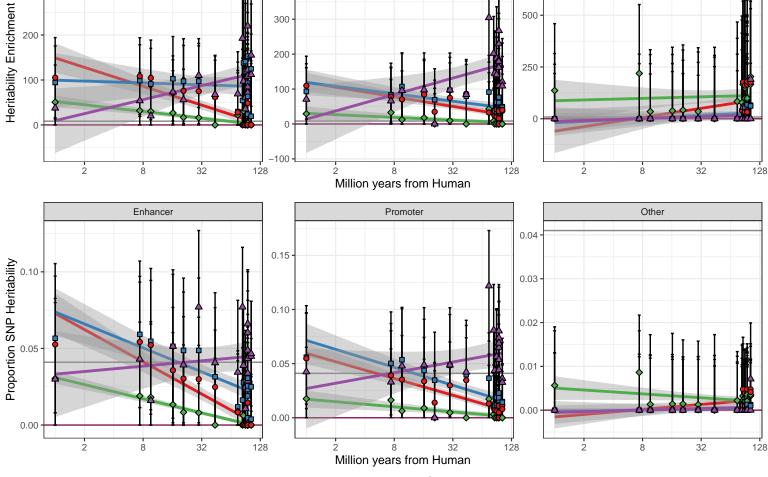
🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT

Cons + ATAC

## INT\_Pvalb, MDD\_E



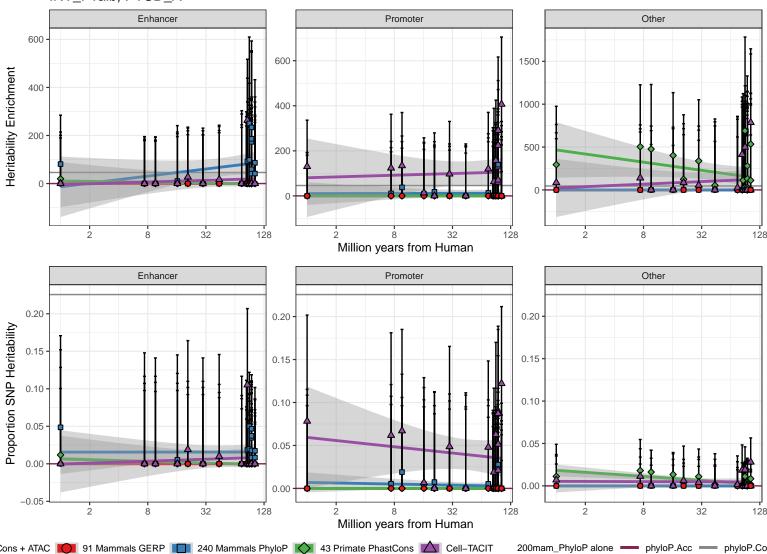
INT\_Pvalb, OCD\_E Enhancer Promoter Other 400 300 500 -300 200 200 -250 -



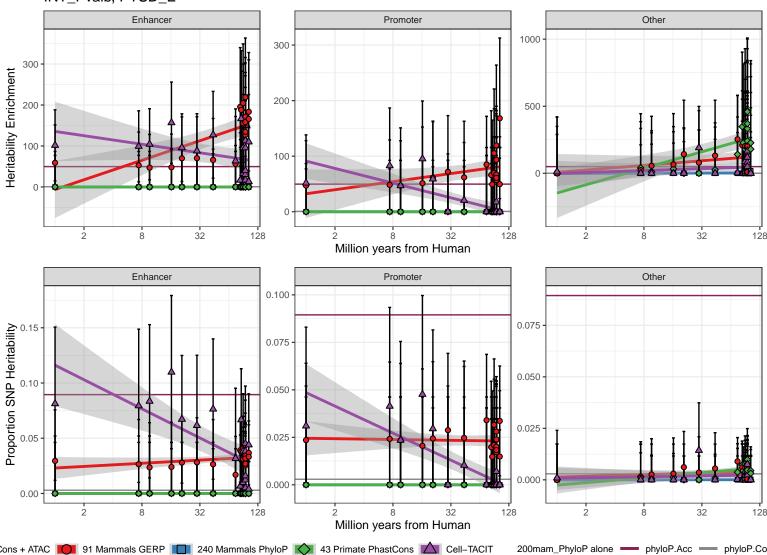
200mam\_PhyloP alone phyloP.Acc phyloP.Co

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

INT\_Pvalb, PTSD\_A



INT\_Pvalb, PTSD\_E



INT\_Pvalb, Schizophrenia\_E Enhancer Promoter Other 200 150 300 -Heritability Enrichment 150 100 200 100 50 -100 50 32 128 32 128 32 128 Million years from Human Other Enhancer Promoter 0.08 0.06 Proportion SNP Heritability 0.010 0.04 0.005 0.02 0.000 0.00 32 128 32 128 32 128 Million years from Human 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🔼 Cell-TACIT 200mam\_PhyloP alone phyloP.Acc phyloP.Co

INT\_Pvalb, AUDIT-C\_E Enhancer Promoter Other 150 Heritability Enrichment 400 100 100 200 50 -50 32 128 32 32 2 8 128 128 8 Million years from Human Other Enhancer Promoter 0.05 -0.02 -Proportion SNP Heritability 0.04 -0.03 0.01 -0.02 -0.00 0.01 0.00 0.00 32 32 128 8 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

INT\_Pvalb, DrinksPerWeek\_E Enhancer Promoter Other 100 100 300 Heritability Enrichment 75 75 -200 50 50 100 25 32 32 128 32 2 128 128 8 8 Million years from Human Enhancer Promoter Other 0.05 0.04 Proportion SNP Heritability 0.04 0.03 0.03 0.02 0.02 0.01 0.01 0.00 32 128 8 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

Heutrapillity Eurichment 150 -

200

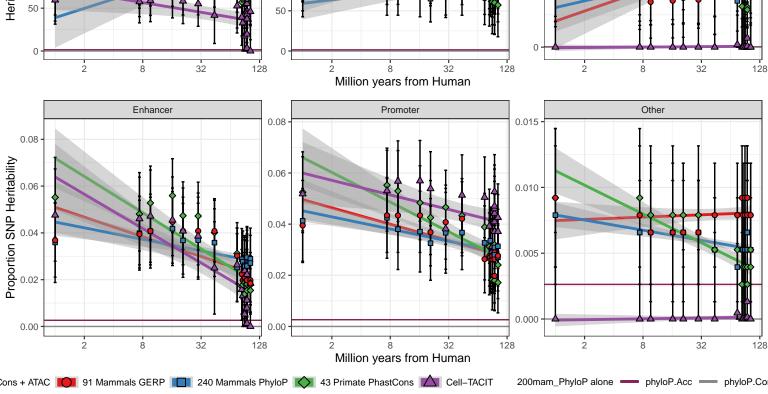
Promoter

Other

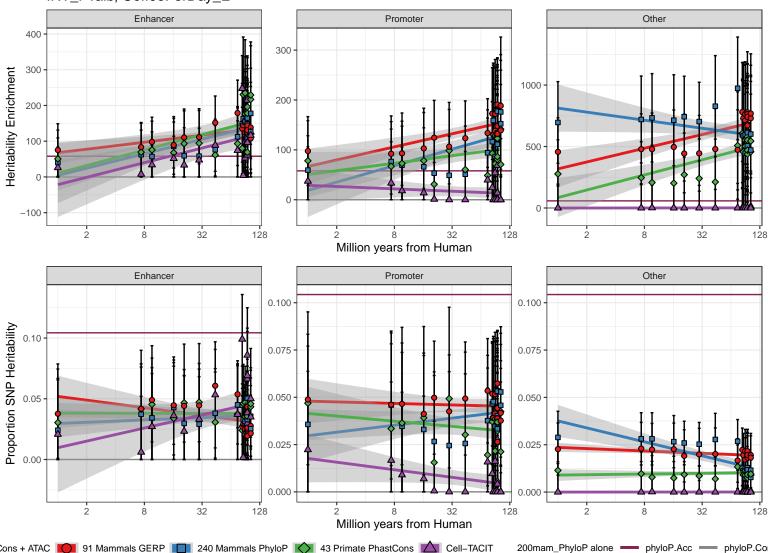
INT\_Pvalb, CannabisUse\_E

200

Enhancer



INT\_Pvalb, CoffeePerDay\_E



#### INT\_Pvalb, SmokAgeOfInit\_E Enhancer Promoter Other 400 -75 100 Heritability Enrichment 300 -50 · 200 -50 -25 100 -32 128 32 32 2 128 8 128 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 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

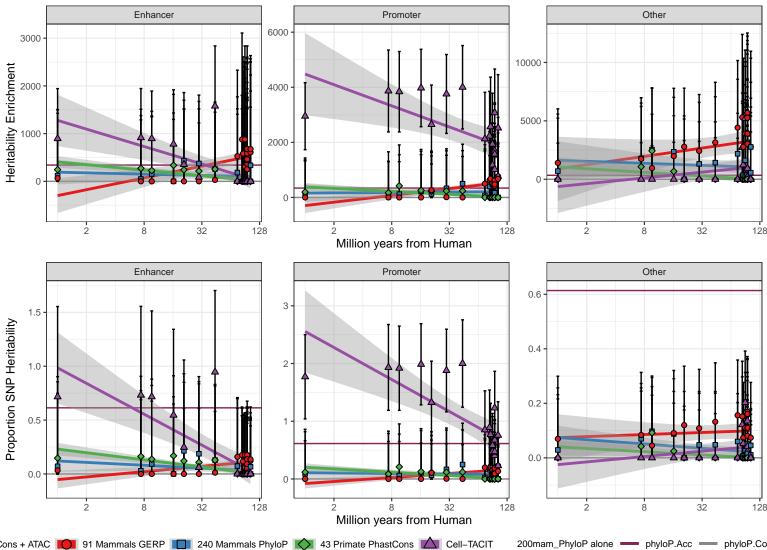
INT\_Pvalb, SmokCessation\_E Enhancer Promoter Other 150 150 Heritability Enrichment 750 100 100 500 50 -50 -250 -50 32 32 128 32 8 128 128 Million years from Human Enhancer Promoter Other 0.06 0.06 0.03 -Proportion SNP Heritability 0.04 0.02 -0.02 0.01 -0.00 0.00 32 128 32 32 128 8 128 2 8 Million years from Human Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam\_PhyloP alone phyloP.Acc phyloP.Co

INT\_Pvalb, SmokCigPerDay\_E Enhancer Promoter Other 400 -150 150 Heritability Enrichment 300 100 100 200 -50 100 -50 -50 32 128 32 32 8 128 128 2 8 8 Million years from Human Promoter Enhancer Other 0.06 0.05 0.05 Proportion SNP Heritability 0.04 0.04 0.03 0.02 0.02 -0.02 0.01 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

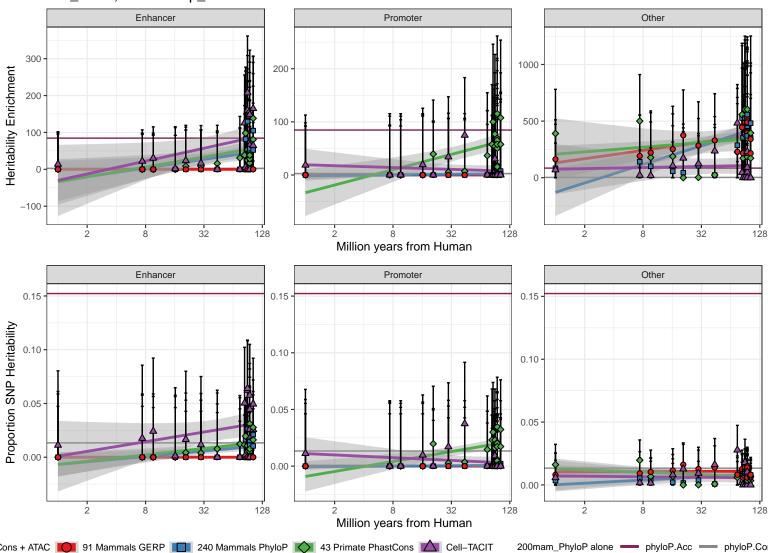
INT\_Pvalb, SmokInitiation\_E Enhancer Promoter Other 400 75 Heritability Enrichment 100 300 -50 200 50 -25 100 0 32 128 32 32 128 128 2 8 Million years from Human Enhancer Promoter Other Proportion SNP Heritability 0.03 -0.03 -0.02 0.02 0.01 0.01 0.00 0.00 32 128 32 128 32 8 128 8 Million years from Human 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam\_PhyloP alone phyloP.Acc phyloP.Co

Cons + ATAC

# INT\_Pvalb, OpioidUse\_E

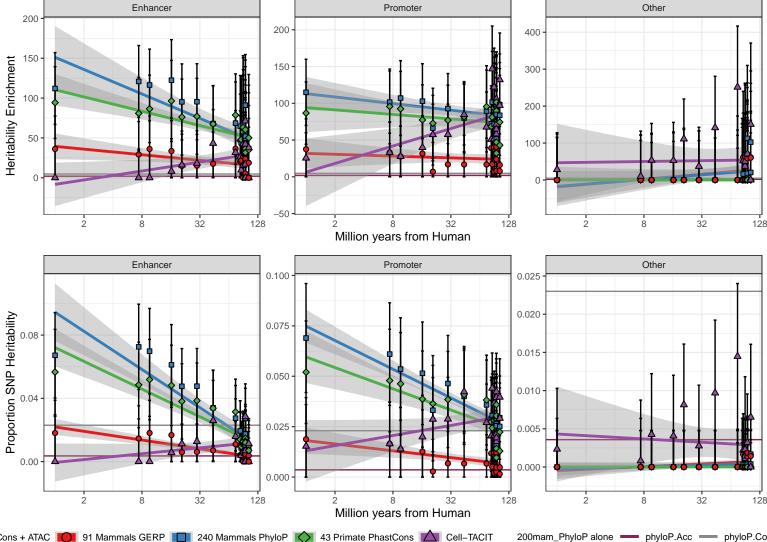


## INT\_Pvalb, AlcoholDep\_E



INT\_Pvalb, AUDIT-P\_E

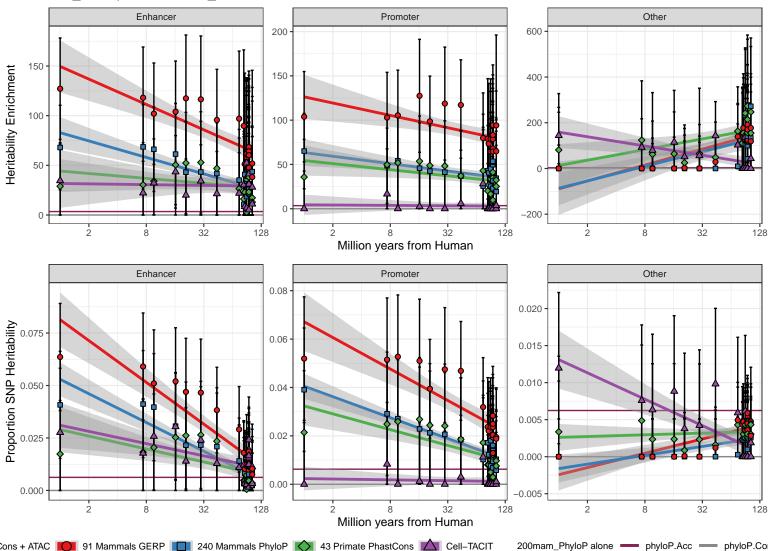
Enhancer Promoter Other



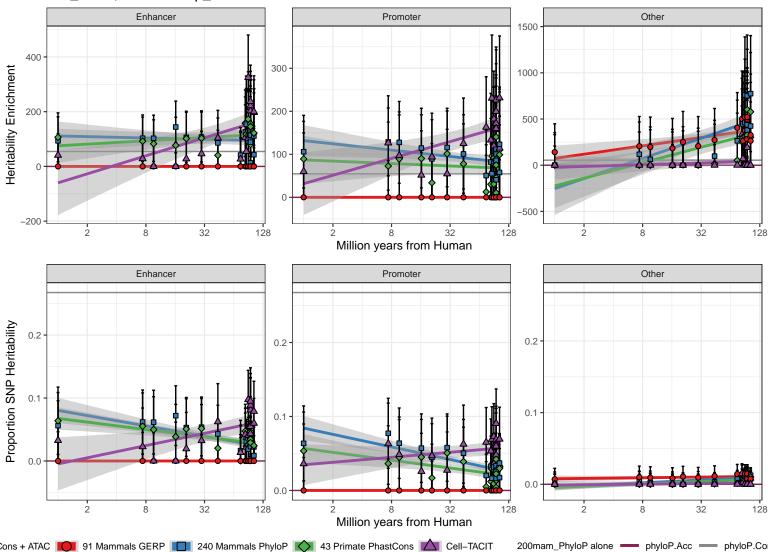
INT\_Pvalb, AUDIT-Tot\_E Enhancer Promoter Other Heritability Enrichment 400 100 100 200 50 -50 0 32 32 128 32 128 128 8 8 Million years from Human Enhancer Promoter Other 0.020 Proportion SNP Heritability 0.04 0.015 0.010 0.02 -0.005 0.000 0.00 0.00 32 32 128 8 32 128 2 8 8 128 Million years from Human cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam\_PhyloP alone phyloP.Acc phyloP.Co

INT\_Pvalb, CannabisUD\_A Enhancer Promoter Other 600 3000 Heritability Enrichment 800 2000 400 400 1000 200 0 -1000 32 32 32 2 8 128 128 128 8 Million years from Human Enhancer Promoter Other 0.20 0.20 0.3 -Proportion SNP Heritability 0.15 0.2 -0.10 0.1 -0.05 0.0 0.00 0.00 32 32 128 32 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

INT\_Pvalb, CannabisUD\_E



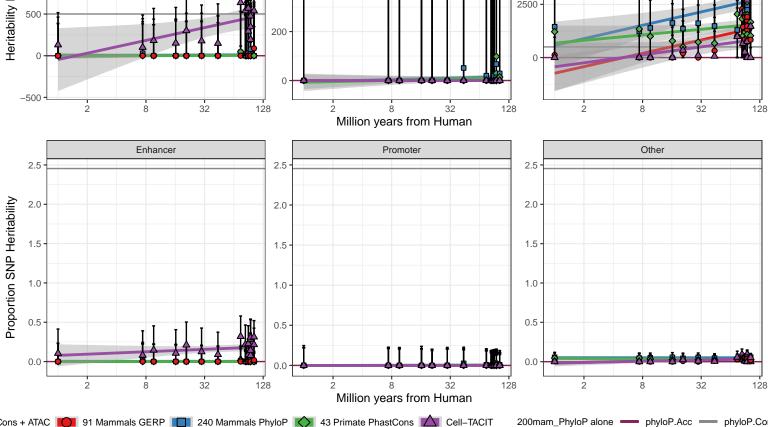
INT\_Pvalb, CocaineDep\_E



### INT\_Pvalb, OpioidDep\_E Enhancer Promoter Other 800 3000 800 Heritability Enrichment 600 2000 400 400 1000 200 32 32 128 32 128 8 128 2 8 2 Million years from Human Enhancer Promoter Other Proportion SNP Heritability 0.6 0.6 0.6 0.4 -0.4 0.2 -0.2 0.2 -0.0 0.0 32 128 128 32 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

INT\_Pvalb, OpioidDep-vs-Exp\_A



INT\_Pvalb, EduAttain\_E Enhancer Promoter Other 300 90 Heritability Enrichment 100 200 60 50 100 30 32 32 32 128 128 128 Million years from Human Promoter Enhancer Other 0.0100 0.04 0.04 -Proportion SNP Heritability 0.0075 0.03 0.0050 0.02 0.0025 0.01 0.00 0.0000 32 32 128 32 128 128 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

INT\_Pvalb, Income\_E Enhancer Promoter Other 200 Heritability Enrichment 150 100 -400 100 50 200 50 32 32 128 128 32 128 Million years from Human Other Enhancer Promoter 0.05 0.015 0.04 Proportion SNP Heritability 0.03 0.010 0.02 0.005 0.01 -0.00 32 32 32 128 8 128 128 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

INT\_Pvalb, BMI\_E Enhancer Promoter Other 250 200 1500 200 Heritability Enrichment 150 150 1000 100 100 -50 500 50 -50 32 128 32 128 32 2 128 8 2 8 Million years from Human Other Enhancer Promoter 0.05 0.05 Proportion SNP Heritability 0.03 0.04 0.03 0.02 -0.02 0.01 0.01 0.00 0.00 0.00 32 128 128 32 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

INT\_Pvalb, BrainVol\_E Enhancer Promoter Other 200 -750 Heritability Enrichment 200 100 -500 250 -200 32 32 128 32 128 128 2 8 2 8 Million years from Human Enhancer Promoter Other 0.06 Araboution SNP Heritability
0.025
0.000
0.000
-0.025 0.050 -0.04 0.025 0.02 0.000 -0.00 -0.025 32 32 32 2 8 128 8 128 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

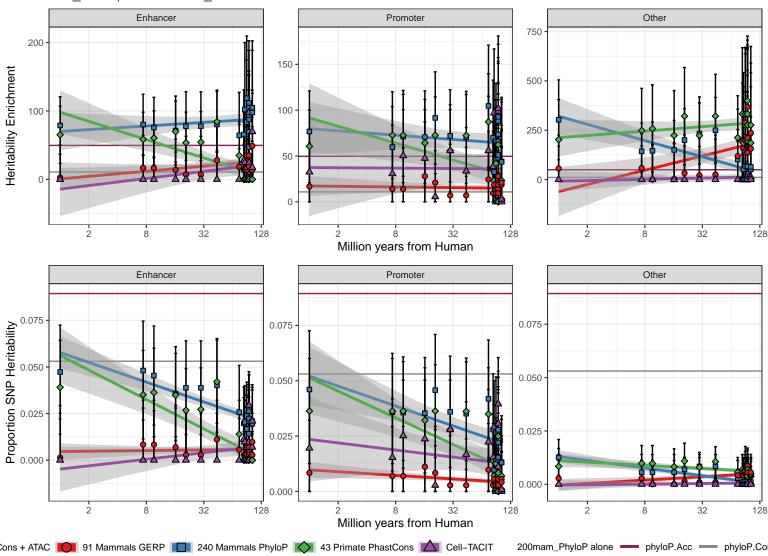
INT\_Pvalb, Neuroticsim\_E Enhancer Promoter Other 150 Heritability Enrichment 100 200 -100 50 -100 50 0 32 32 128 32 128 8 128 2 8 Million years from Human Other Enhancer Promoter 0.05 -0.05 -Proportion SNP Heritability 0.03 -0.04 0.03 0.02 -0.02 0.01 0.01 0.00 0.00 32 128 32 128 32 8 2 8 128 Million years from Human Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam\_PhyloP alone phyloP.Acc phyloP.Co

INT\_Pvalb, Intelligence\_E Enhancer Promoter Other 120 400 150 Heritability Enrichment 90 300 100 60 200 50 100 30 32 32 32 2 128 128 128 8 8 Million years from Human Enhancer Promoter Other 0.04 -0.04 -Proportion SNP Heritability 0.0075 0.03 0.0050 0.02 0.0025 0.01 0.0000 0.00 32 32 128 32 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

INT\_Pvalb, RiskyBehavior\_E Enhancer Promoter Other 100 400 100 Heritability Enrichment 75 -300 50 50 200 25 -100 32 128 32 128 32 2 128 8 8 Million years from Human Enhancer Promoter Other 0.03 0.025 Proportion SNP Heritability 0.020 0.02 -0.015 0.010 0.01 0.005 0.00 0.00 32 32 128 32 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

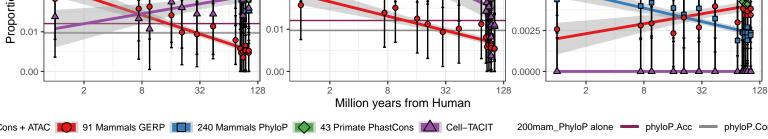
INT\_Pvalb, Worry\_E Enhancer Promoter Other 150 Heritability Enrichment 300 100 -100 -200 50 -50 100 32 32 128 32 128 8 128 Million years from Human Enhancer Promoter Other 0.05 -0.03 -Proportion SNP Heritability 0.04 -0.03 0.02 0.02 0.01 0.01 0.00 0.00 32 128 32 128 32 2 8 128 Million years from Human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

## INT\_Pvalb, ChronicPain\_E

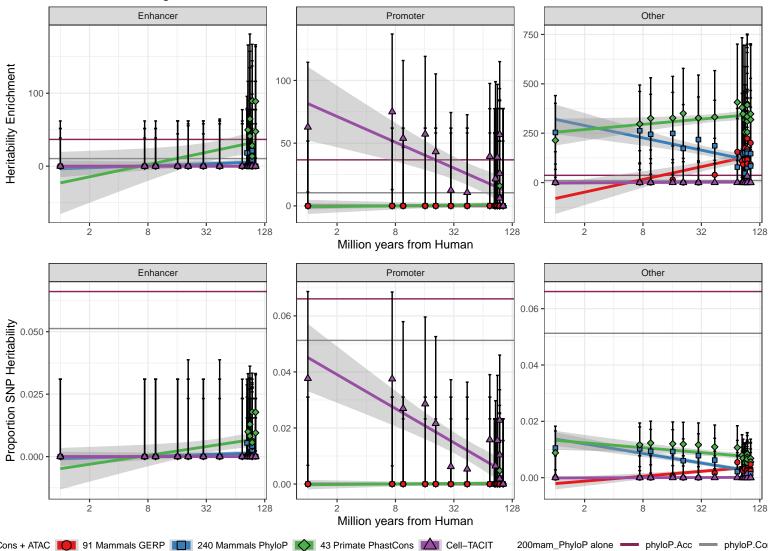


INT\_Pvalb, Headache\_E Enhancer Promoter Other 300 -90 Heritability Enrichment 60 80 200 -30 -40 100 -0 0 --30 32 32 128 32 8 128 128 2 Million years from Human Enhancer Promoter Other 0.04 0.04 0.04 Proportion SNP Heritability 0.03 0.03 -0.02 0.02 0.01 0.01 -0.00 0.00 0.00 32 128 32 128 32 2 8 2 8 128 Million years from Human Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam\_PhyloP alone phyloP.Acc phyloP.Co

INT\_Pvalb, DaySleepiness\_E Enhancer Promoter Other 400 120 150 Heritability Enrichment 300 90 100 200 60 50 100 30 32 32 128 32 2 8 128 8 128 Million years from Human Enhancer Promoter Other 0.0125 0.05 0.04 Proportion SNP Heritability 0.0100 0.03 0.0075 0.02 0.0050 0.01 0.0025



INT\_Pvalb, Dozing\_E



INT\_Pvalb, Gettingup\_E Enhancer Promoter Other 200 Heritability Enrichment 150 400 -150 100 100 200 50 50 32 128 32 128 128 8 Million years from Human Enhancer Promoter Other 0.04 0.06 0.06 -Proportion SNP Heritability 0.03 0.04 0.02 0.02 0.01 0.00 0.00 32 32 128 32 128 128 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

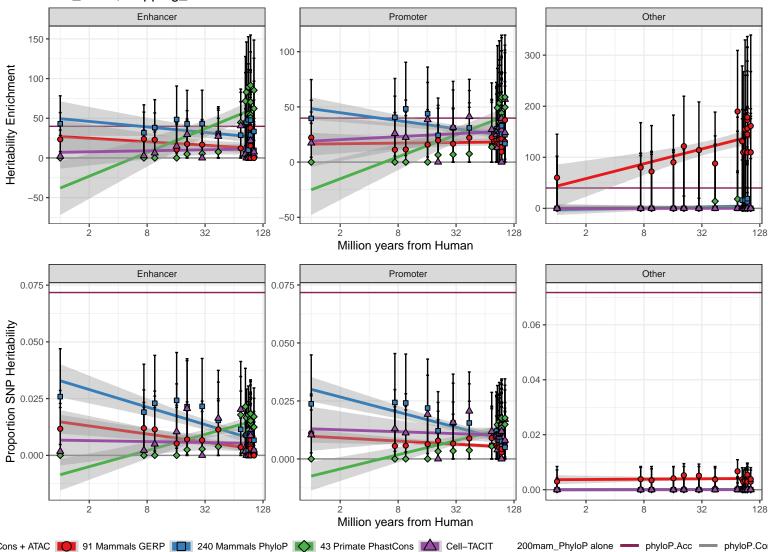
INT\_Pvalb, Insomnia\_E Enhancer Promoter Other 80 -300 -100 Heritability Enrichment 60 75 200 50 40 100 -25 20 -100 -25 32 128 32 128 32 128 8 Million years from Human Enhancer Promoter Other 0.03 0.03 0.04 -Proportion SNP Heritability 0.03 0.02 -0.02 0.01 0.01 -0.00 0.00 0.00 32 128 32 128 32 2 8 8 128 Million years from Human

200mam\_PhyloP alone phyloP.Acc phyloP.Co

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

Cons + ATAC

INT\_Pvalb, Morningness\_E Enhancer Promoter Other 400 150 Heritability Enrichment 100 300 100 200 50 -50 100 -32 128 32 128 128 2 8 Million years from Human Other Enhancer Promoter 0.05 -0.03 0.04 Proportion SNP Heritability
0.03
0.01 0.03 0.02 -0.02 0.01 0.01 0.00 0.00 32 32 128 32 128 128 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 INT\_Pvalb, Napping\_E



INT\_Pvalb, SleepDurLong\_E Enhancer Promoter Other 400 200 Heritability Enrichment 100 150 300 100 200 -50 50 100 0 -50 32 32 128 32 128 8 128 Million years from Human Enhancer Promoter Other 0.05 0.04 Proportion SNP Heritability 0.009 0.03 0.006 0.02 0.01 0.003 0.00 0.00 0.000 32 32 128 32 128 8 128 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

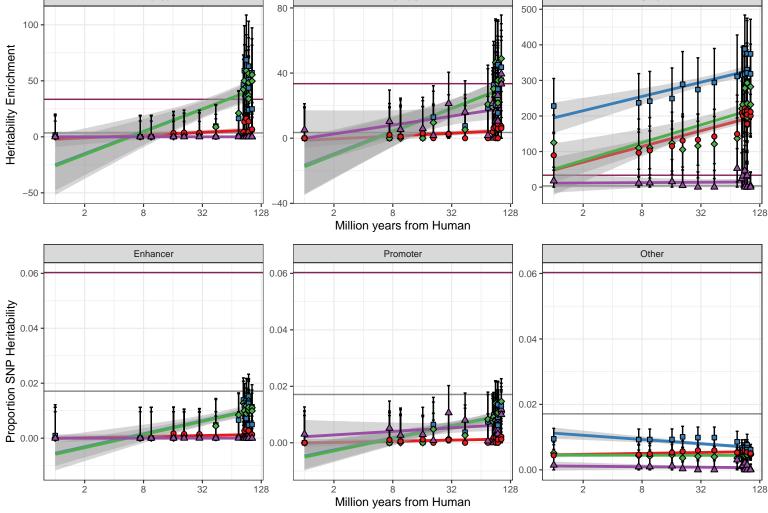
INT\_Pvalb, SleepDurShort\_E Enhancer Promoter Other 150 400 90 Heritability Enrichment 100 300 -60 -200 50 30 100 32 32 128 32 128 8 128 2 8 Million years from Human Enhancer Promoter Other 0.015 Proportion SNP Heritability 0.03 0.010 0.02 0.005 0.01 0.00 0.00 32 32 8 128 128 32 128 8 Million years from Human Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam\_PhyloP alone phyloP.Acc phyloP.Co

INT\_Pvalb, SleepDurTot\_E Enhancer Promoter Other 120 150 Heritability Enrichment 90 400 100 60 -200 50 30 -32 128 32 128 32 128 8 Million years from Human Enhancer Promoter Other 0.04 0.04 Proportion SNP Heritability 0.010 0.03 0.02 -0.005 0.01 -0.000 0.00 0.00 32 32 128 32 128 128 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

INT\_Pvalb, Snoring\_E Enhancer Promoter Other 80 500 100 400

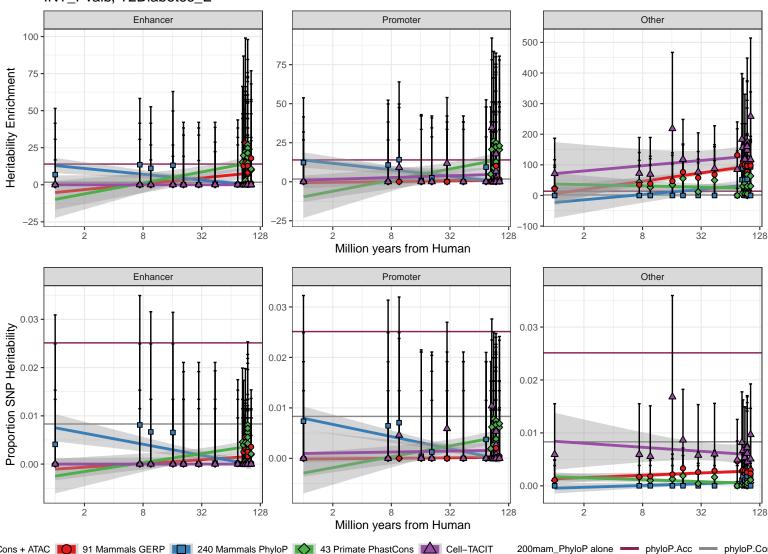


cons + ATAC 🚺 91 Mammals GERP 🔲 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam\_PhyloP alone phyloP.Acc phyloP.Co

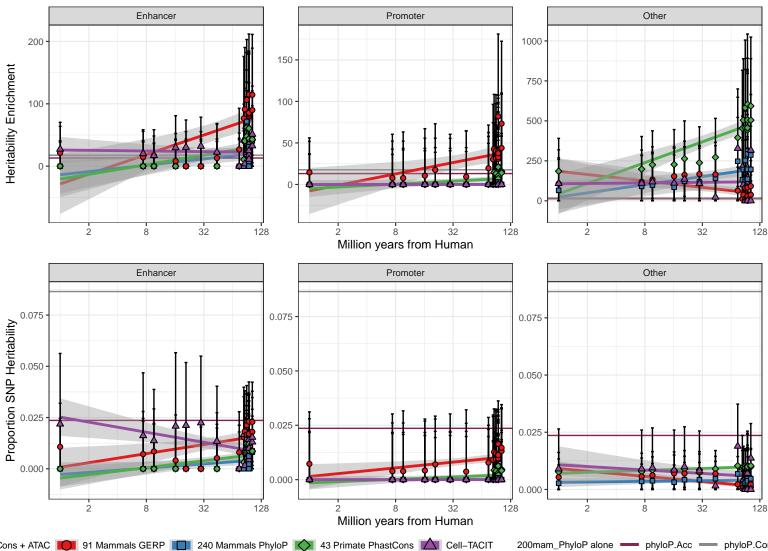
INT\_Pvalb, BloodUrea\_E Enhancer Promoter Other 50 60 40 Heritability Enrichment 100 -30 40 20 50 -20 10 0 0 32 32 128 32 8 128 128 8 Million years from Human Enhancer Promoter Other 0.06 0.06 0.06 Proportion SNP Heritability 0.04 0.04 -0.02 -0.02 -0.00 32 32 128 8 128 8 8 32 128 Million years from Human Cons + ATAC 🚺 91 Mammals GERP 📘 240 Mammals PhyloP 🔷 43 Primate PhastCons 🛕 Cell-TACIT 200mam\_PhyloP alone phyloP.Acc phyloP.Co

INT\_Pvalb, HDL\_E Enhancer Promoter Other 600 -100 Heritability Enrichment 100 400 -50 50 -200 -50 32 32 128 32 128 8 128 Million years from Human Enhancer Promoter Other 0.015 0.04 -Proportion SNP Heritability 0.03 0.010 0.02 -0.005 0.01 0.00 -0.000 32 32 128 32 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

INT\_Pvalb, LDL\_E Enhancer Promoter Other 150 Heritability Enrichment 100 800 -100 50 50 · 400 -0 --50 32 32 128 32 2 128 8 128 8 2 Million years from Human Other Enhancer Promoter Proportion SNP Heritability 0.09 -0.08 0.06 -0.04 0.03 -0.00 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 INT\_Pvalb, T2Diabetes\_E

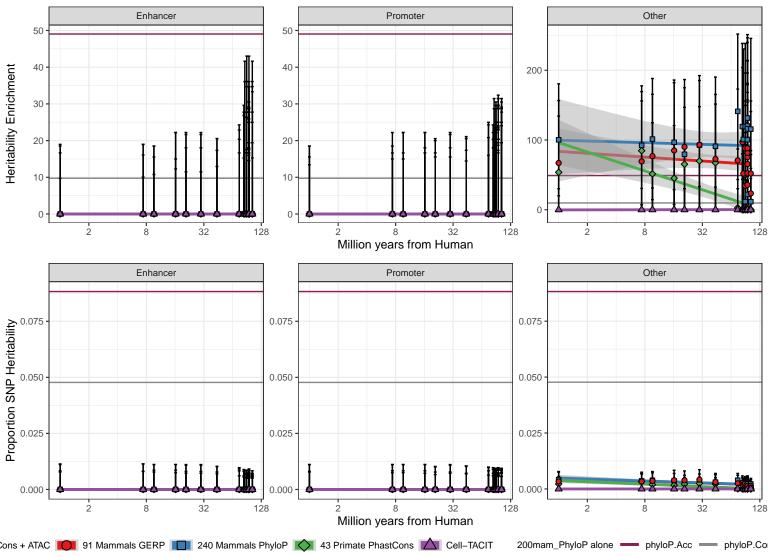


## INT\_Pvalb, TotCholesterol\_E

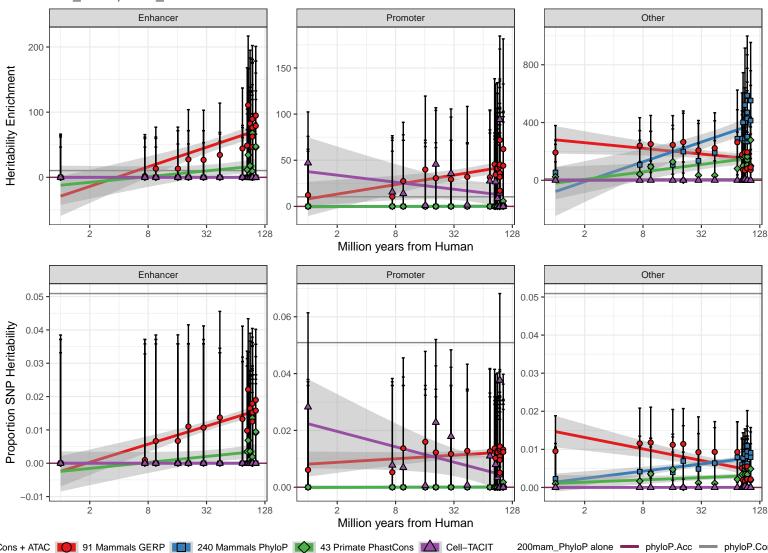


INT\_Pvalb, Triglycerides\_E Enhancer Promoter Other 800 100 Heritability Enrichment 600 100 400 50 200 32 32 128 32 128 2 8 128 8 Million years from Human Enhancer Promoter Other 0.03 0.03 0.03 Proportion SNP Heritability 0.02 0.02 0.02 0.01 0.01 0.01 0.00 0.00 -0.01-0.010.00 32 32 128 32 128 2 2 8 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

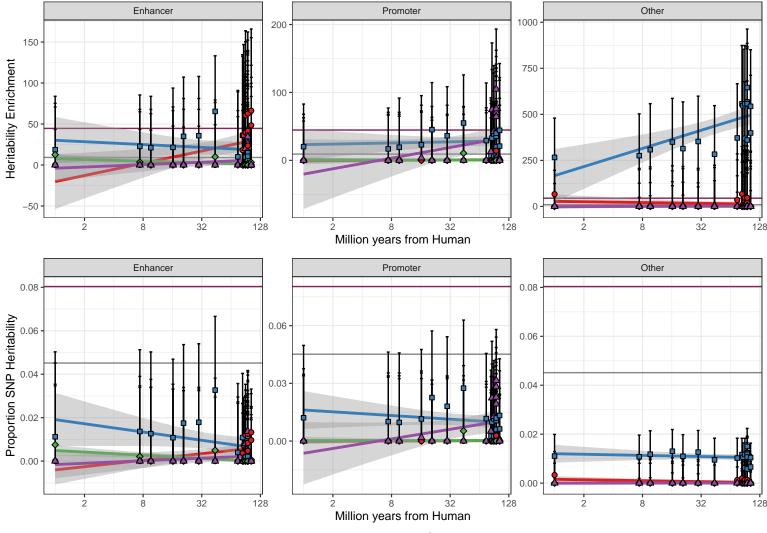
## INT\_Pvalb, BMD\_E



INT\_Pvalb, CAD\_E



INT\_Pvalb, Height\_E Enhancer Promoter Other 50 200 40 Heritability Enrichment 20 · 150 **-**30 100 -20 10 10 50 0 --10 32 32 128 8 32 8 128 128 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 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 INT\_Pvalb, LBM\_E



200mam\_PhyloP alone phyloP.Acc phyloP.Co

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

INT\_Pvalb, Longevity\_E Enhancer Promoter Other 90 400 -75 Heritability Enrichment 60 50 -200 -30 25 0 -25 -200 32 32 128 32 128 128 8 Million years from Human Enhancer Promoter Other Proportion SNP Heritability 0.04 0.04 0.02 -0.02 0.00 0.00 0.00 32 128 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

## INT\_Pvalb, WHRadjBMI\_E

