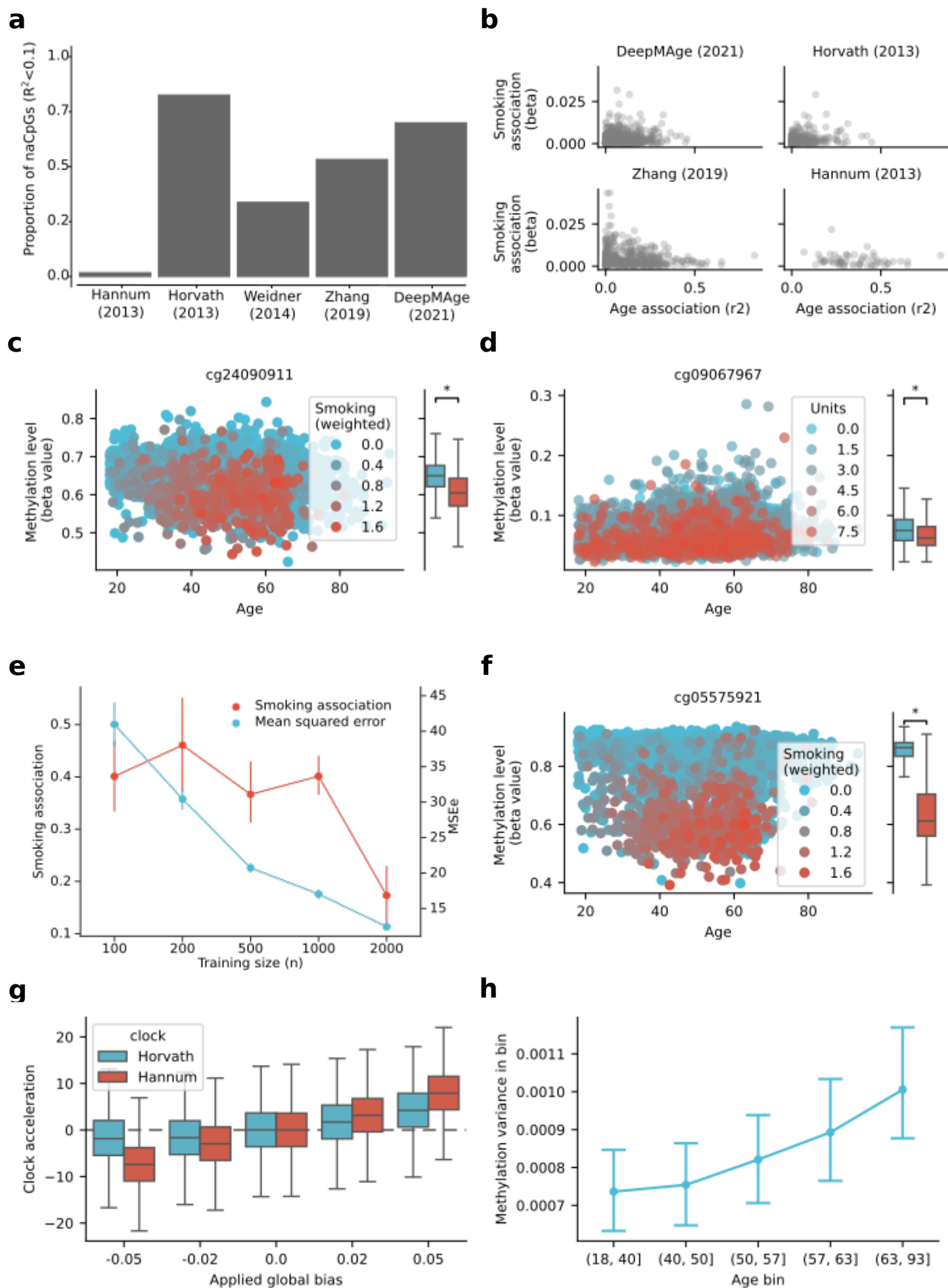
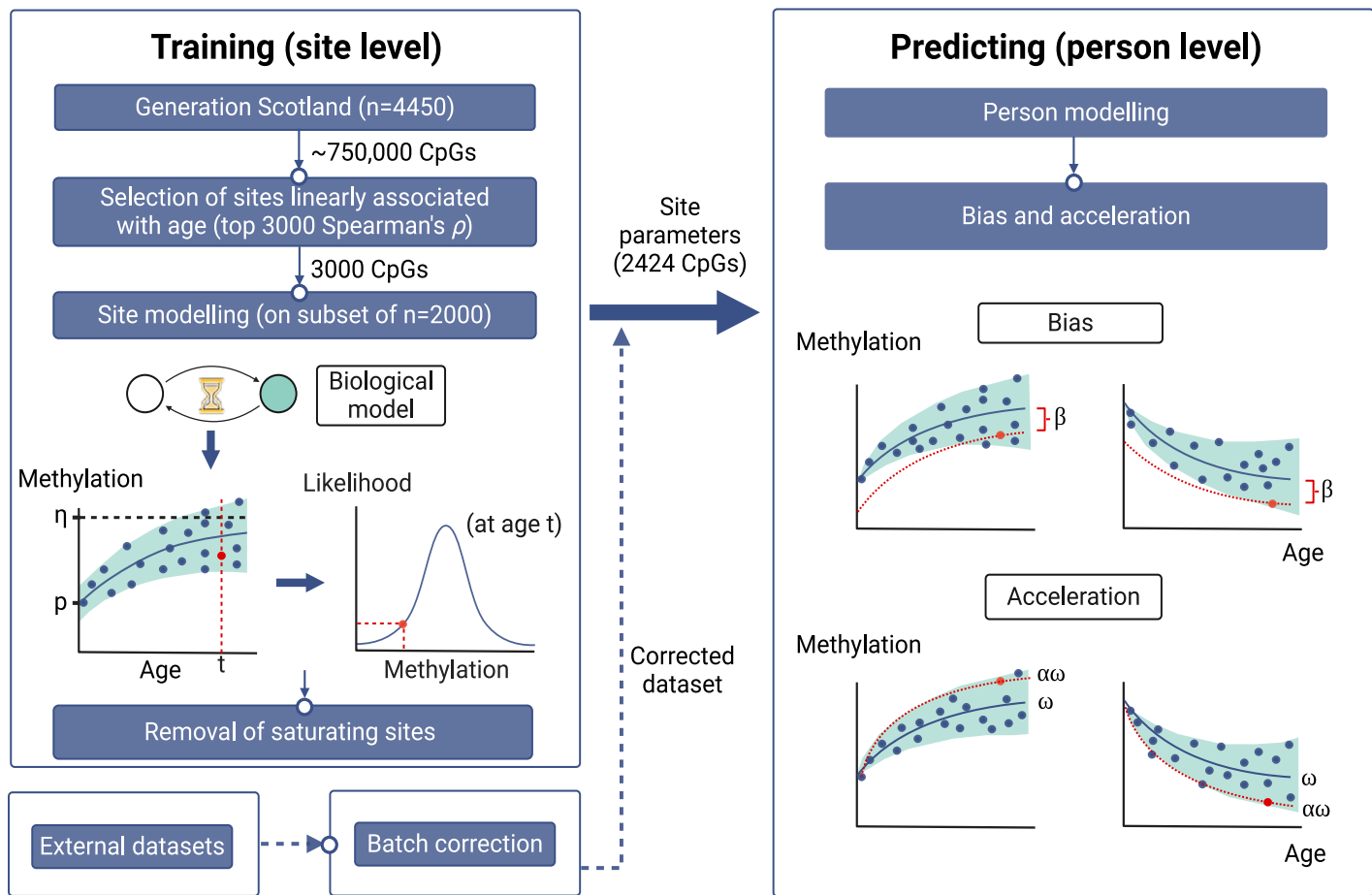


# Figure 1

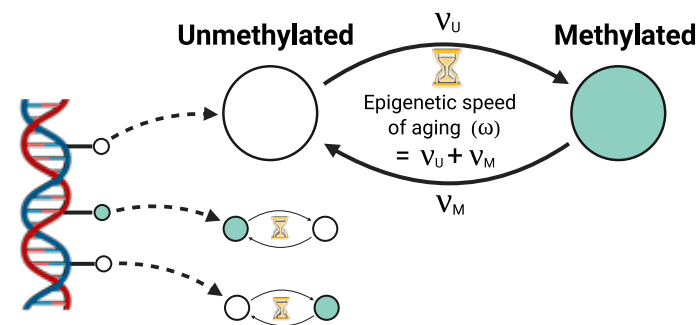


# Figure 2

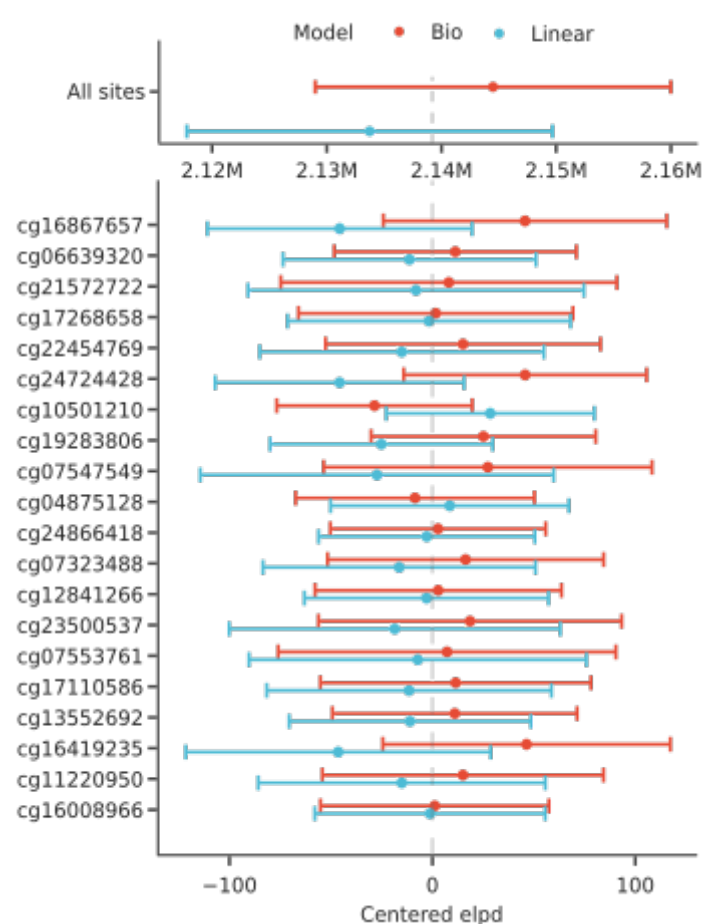
a



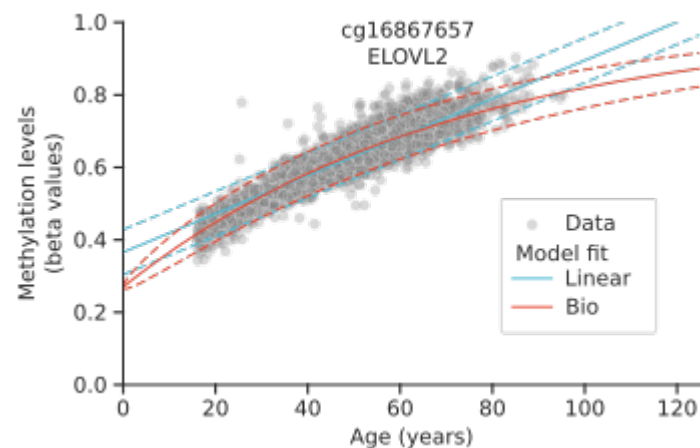
b



c

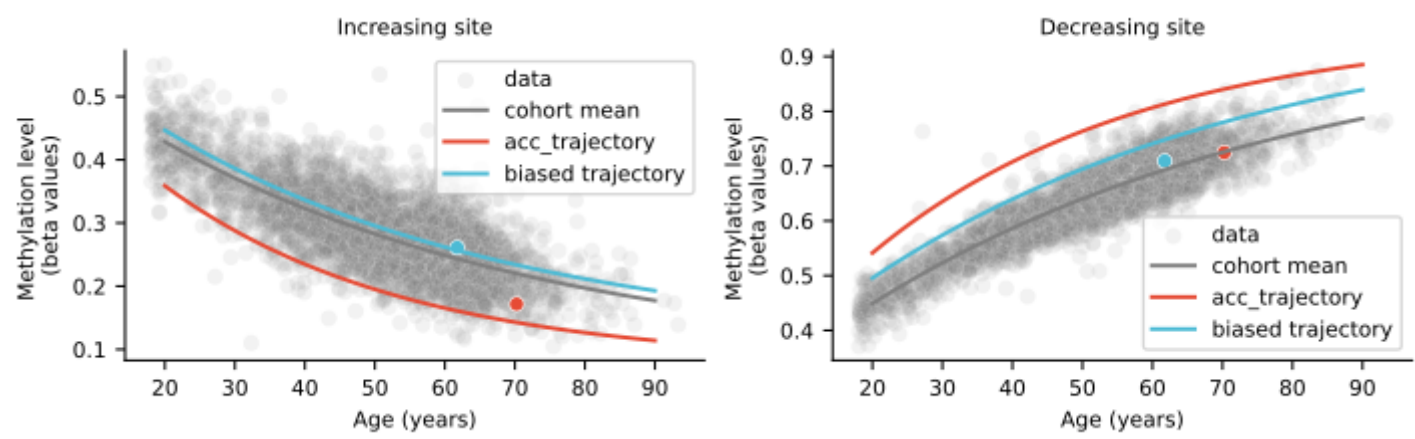


d

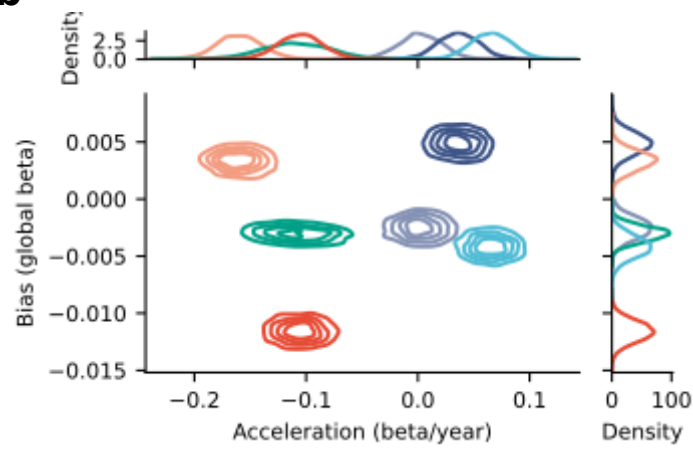


# Figure 3

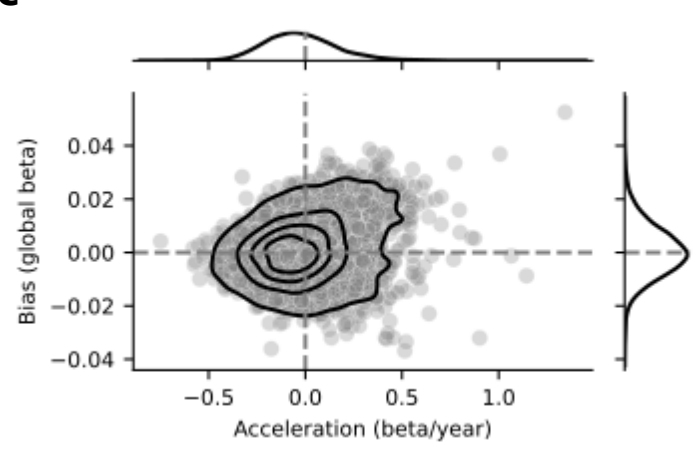
a



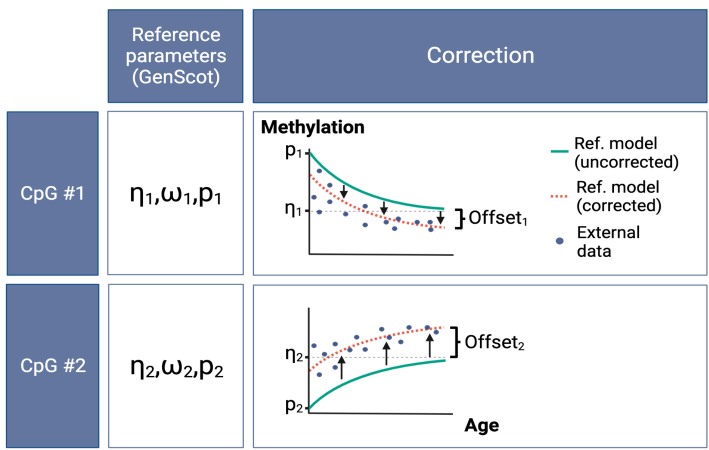
b



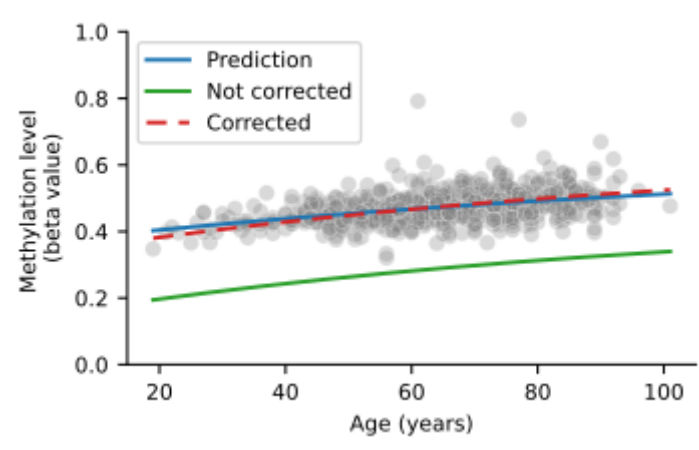
c



d



e



g

h

Figure 4

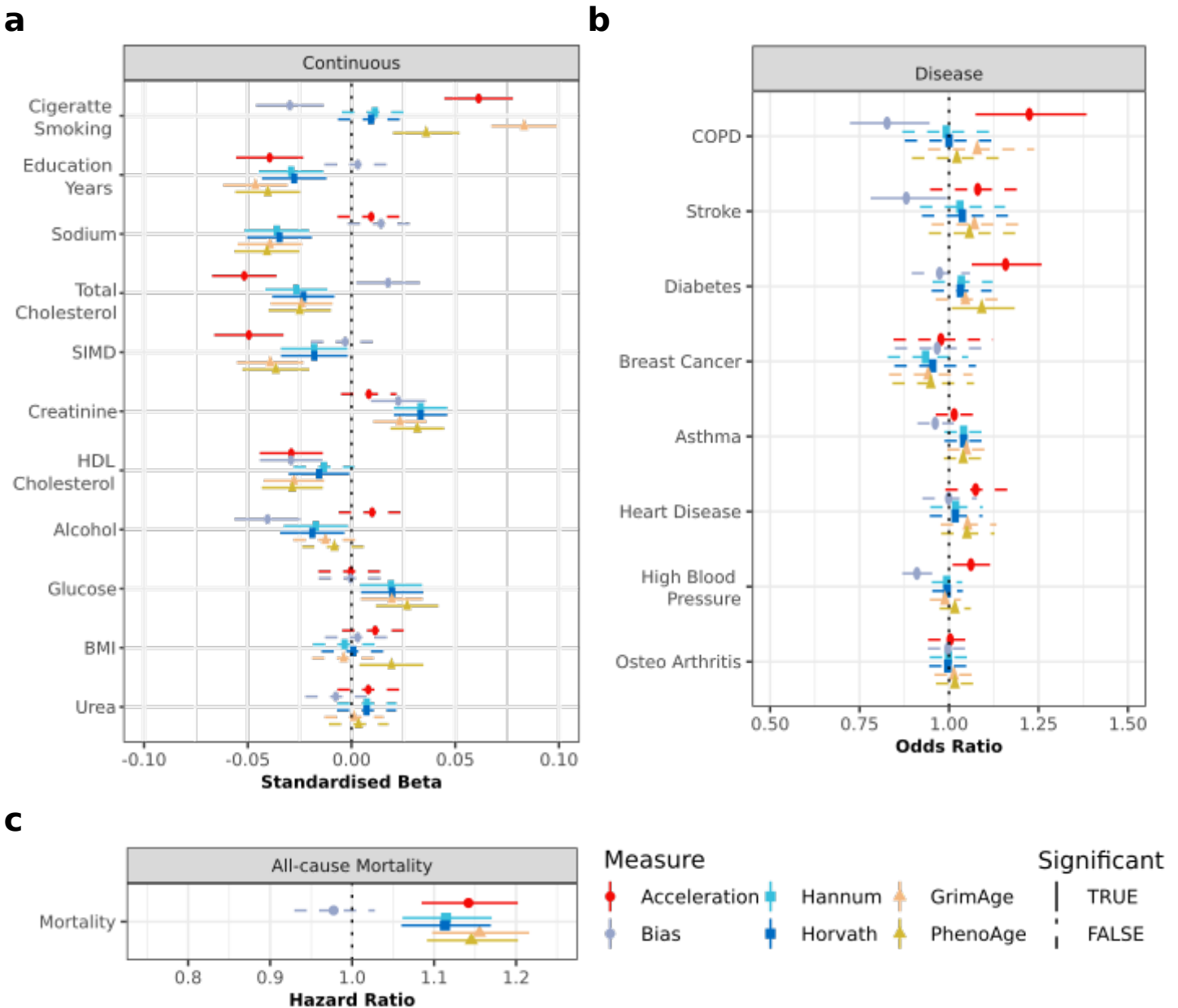
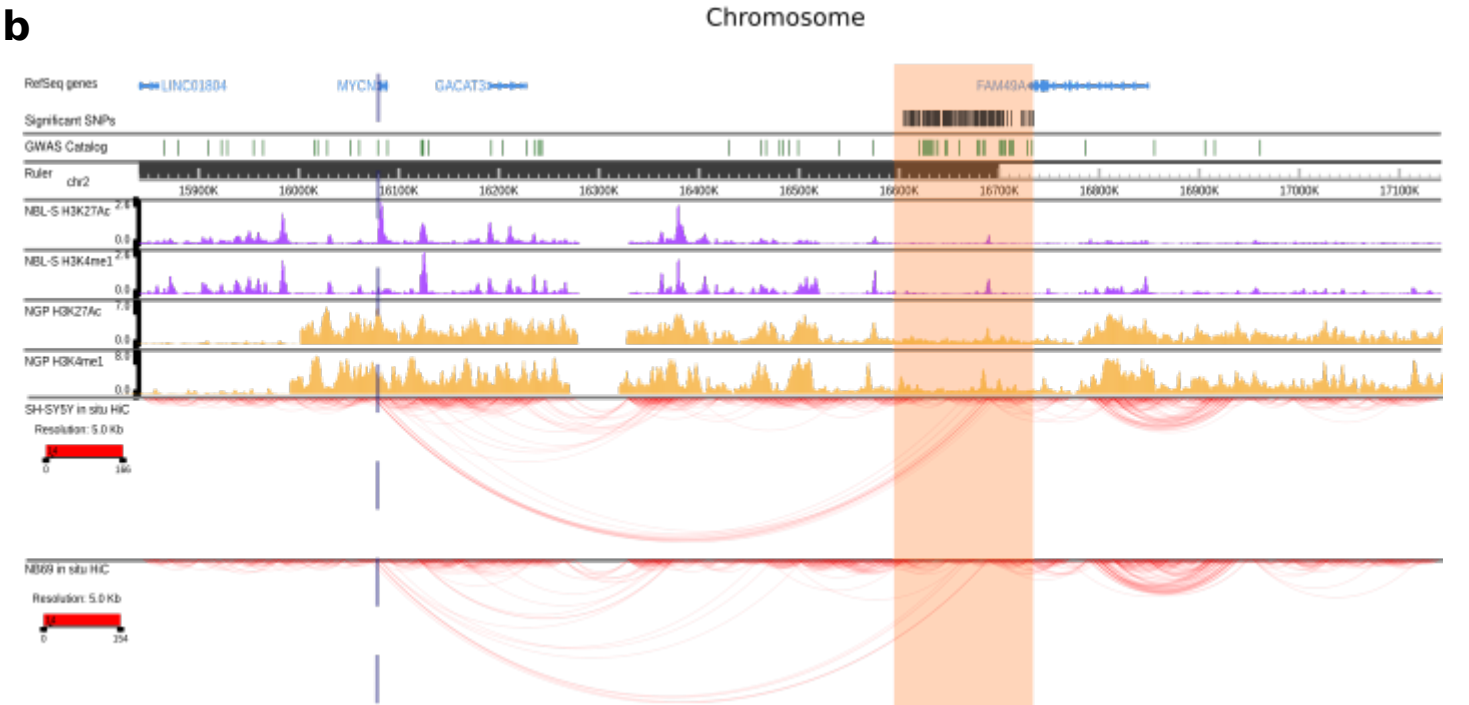
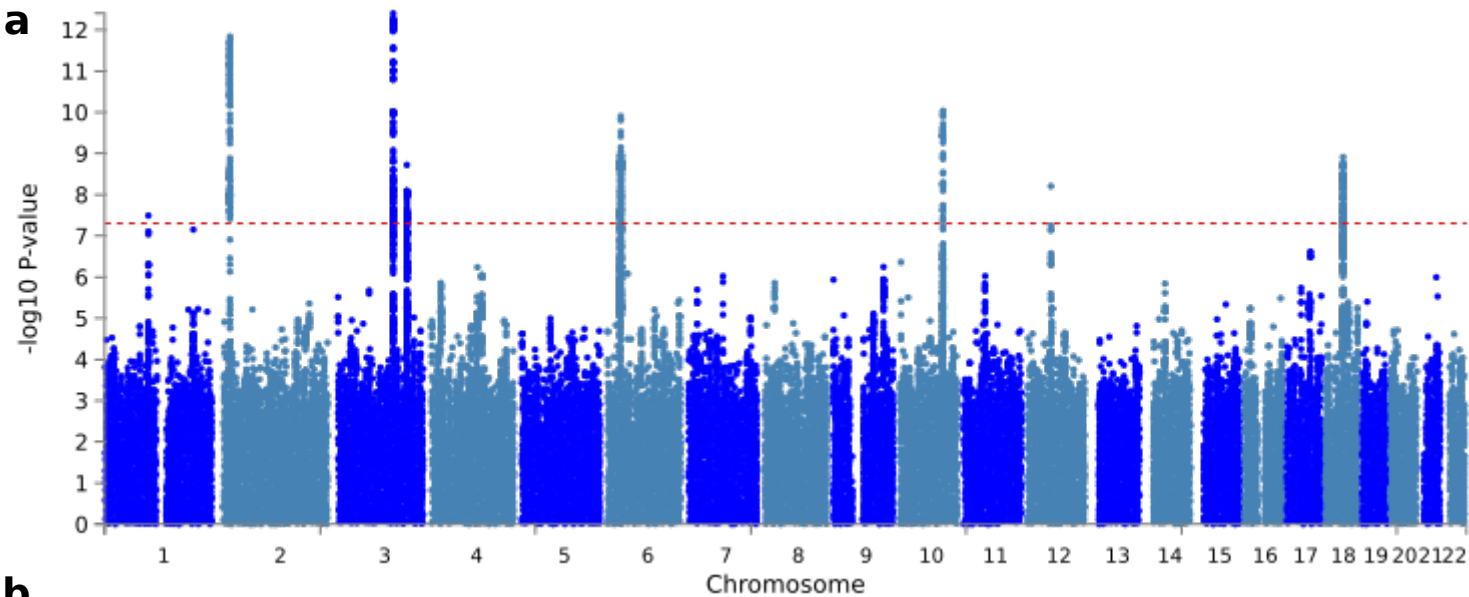


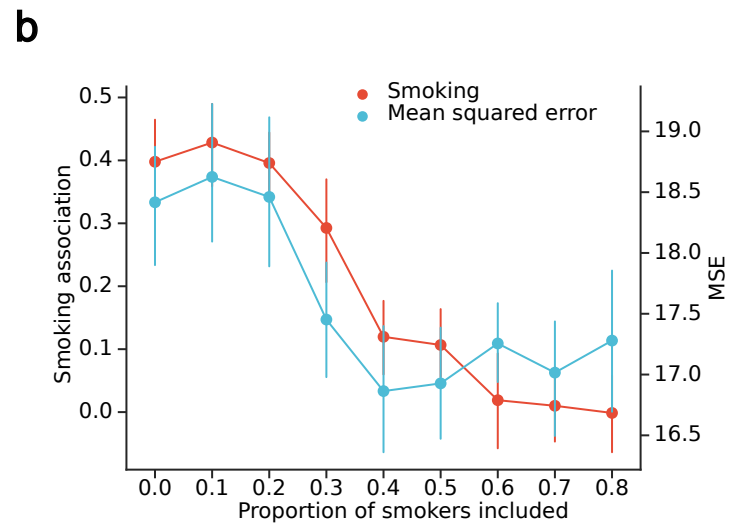
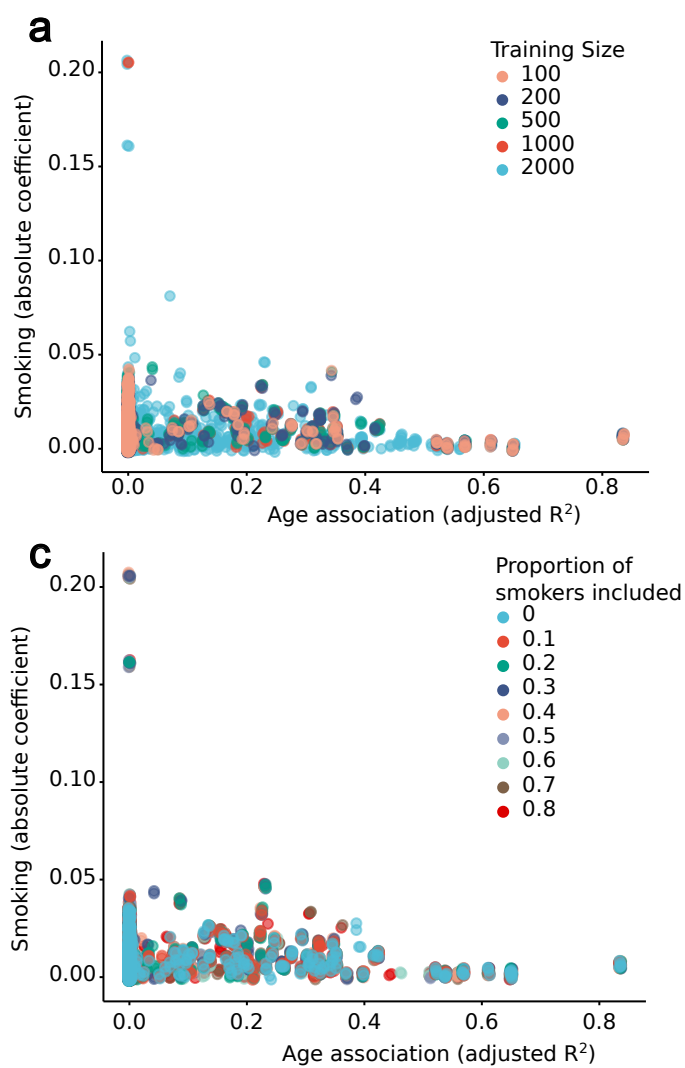
Figure 5



c

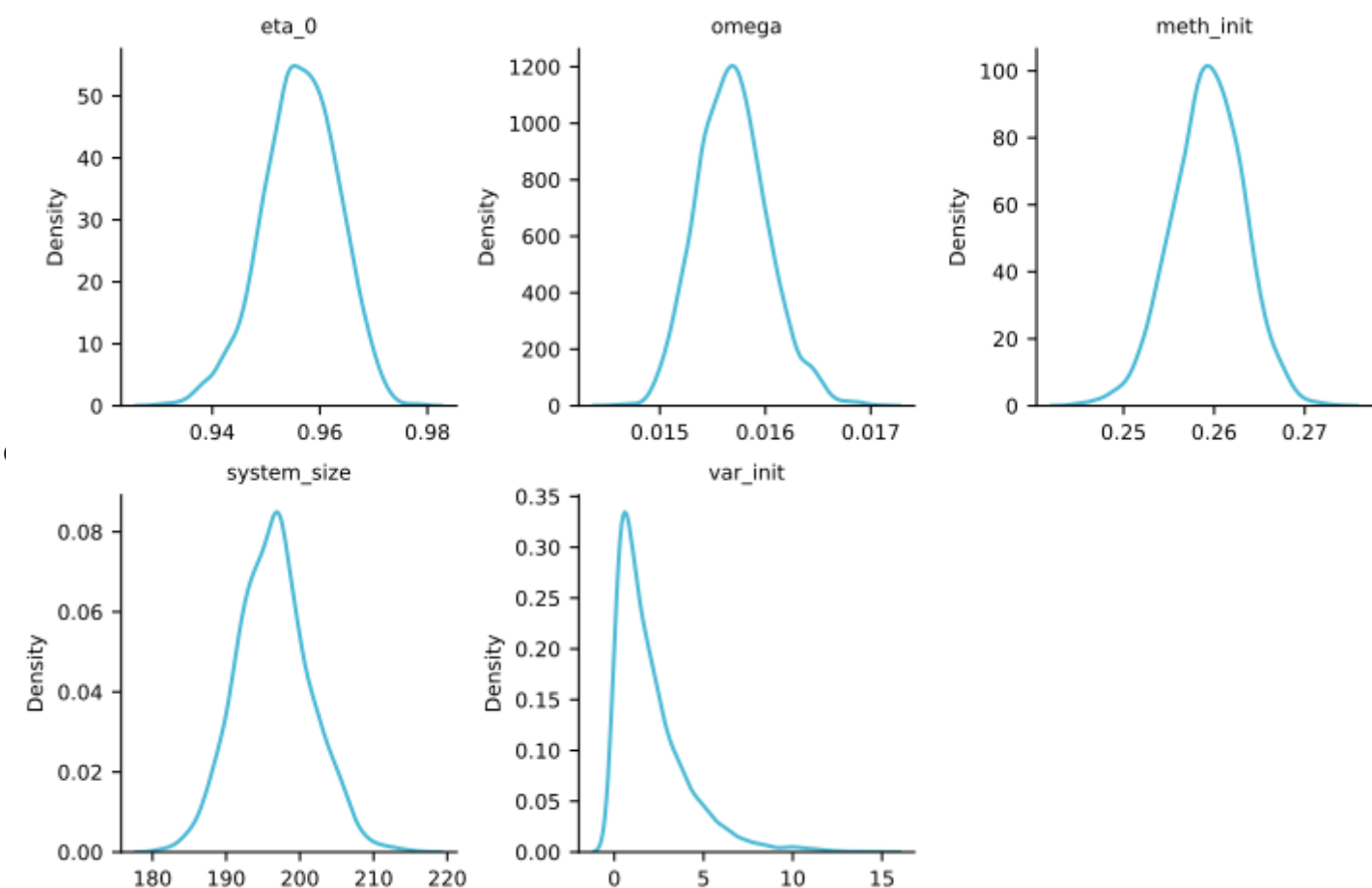
Position	Chr1	Chr2	Chr3		Chr10		Chr12	Chr18		
Lead SNP	rs2893468	rs11096574	rs2492286	rs2001703	rs74808447	rs3740078	rs11190141	rs4759348	rs9951731	rs7232918
Age-related traits										
Acceleration clocks	N	PhenoAge	Hovarth	Hovarth	Hovarth	N	PhenoAge + GrimAge	N	PhenoAge	Hovarth
Mitochondria-related	N	N	N	N	N	N	N	Y	Y	N
Telomere-related	N	N	N	N	N	N	Y	N	N	Y
Chronic inflammtory diseases	Y	N	N	N	N	N		Y	N	N
Other age-related diseases	N	N	N	N	Y	Y	Y	N	N	Y
Severe COVID-19	N	N	Y	Y	N	N	N	N	N	N
Alcohol consumption	N	Y	N	N	Y	N	N	Y	N	N

# Extended Data Figure 1

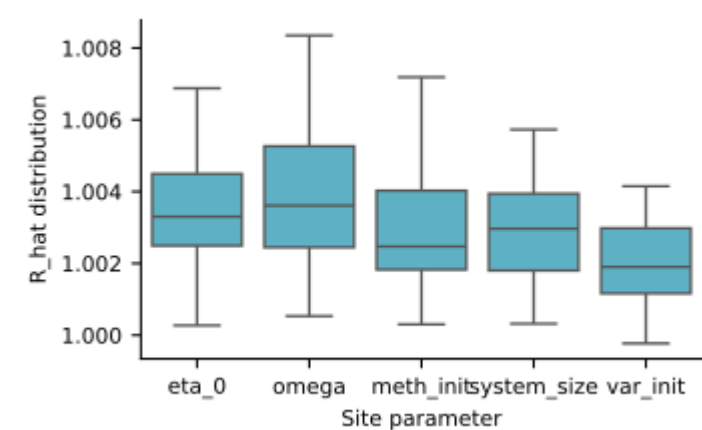


# Extended Figure 2

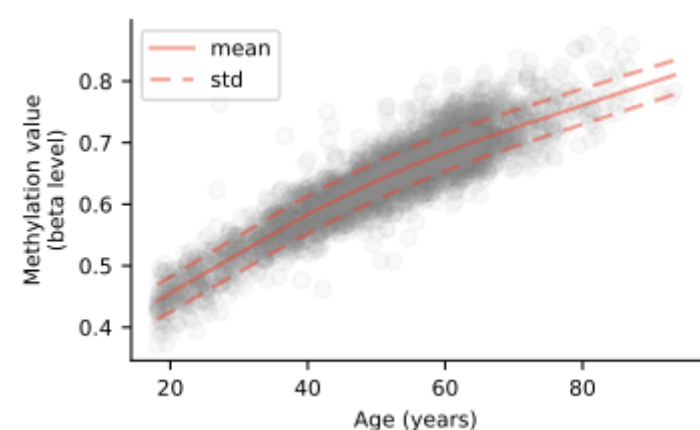
**a**



**b**

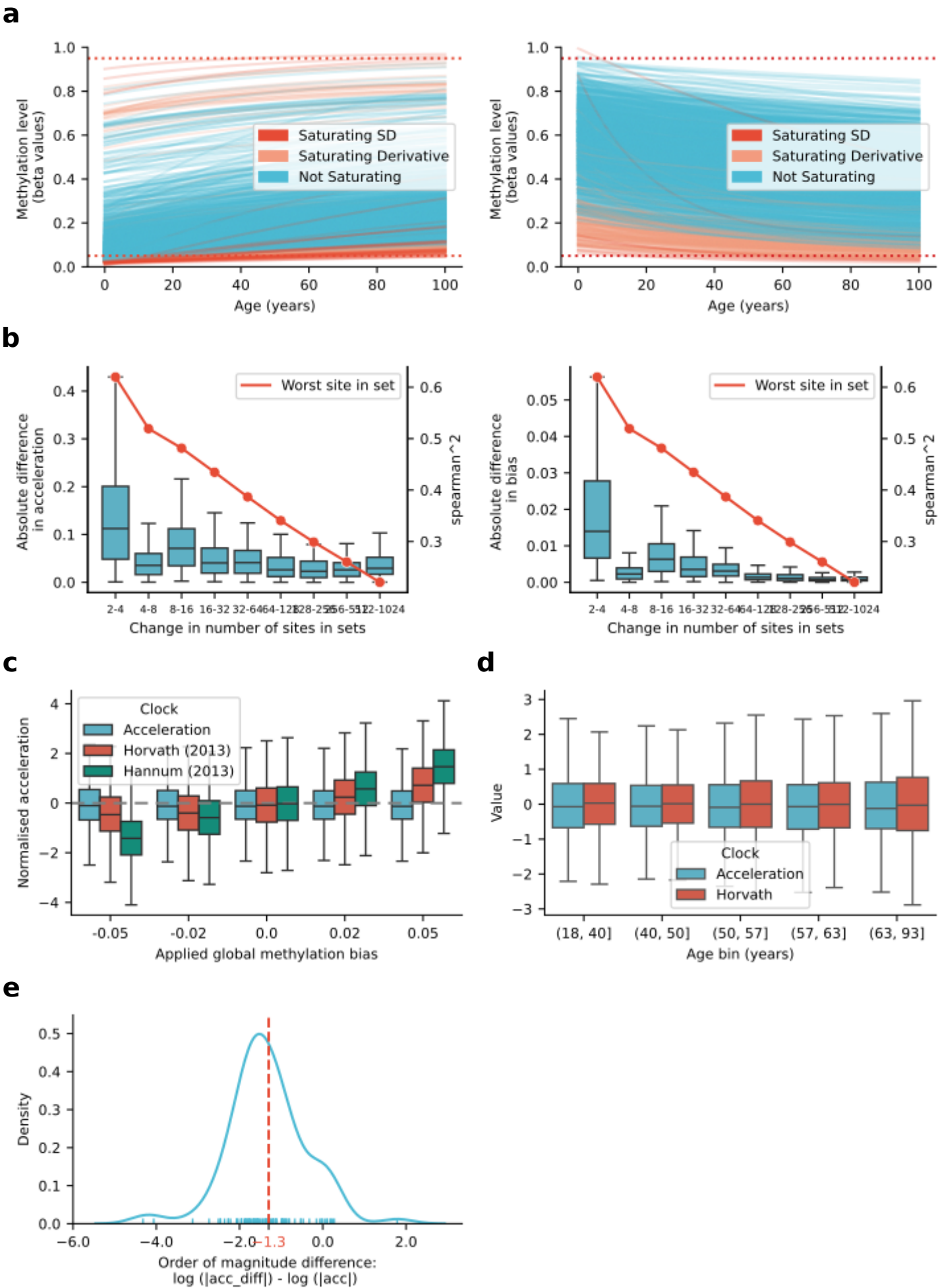


**c**





# Extended Data Figure 3





# Extended Data Figure 4

