

Figure 1

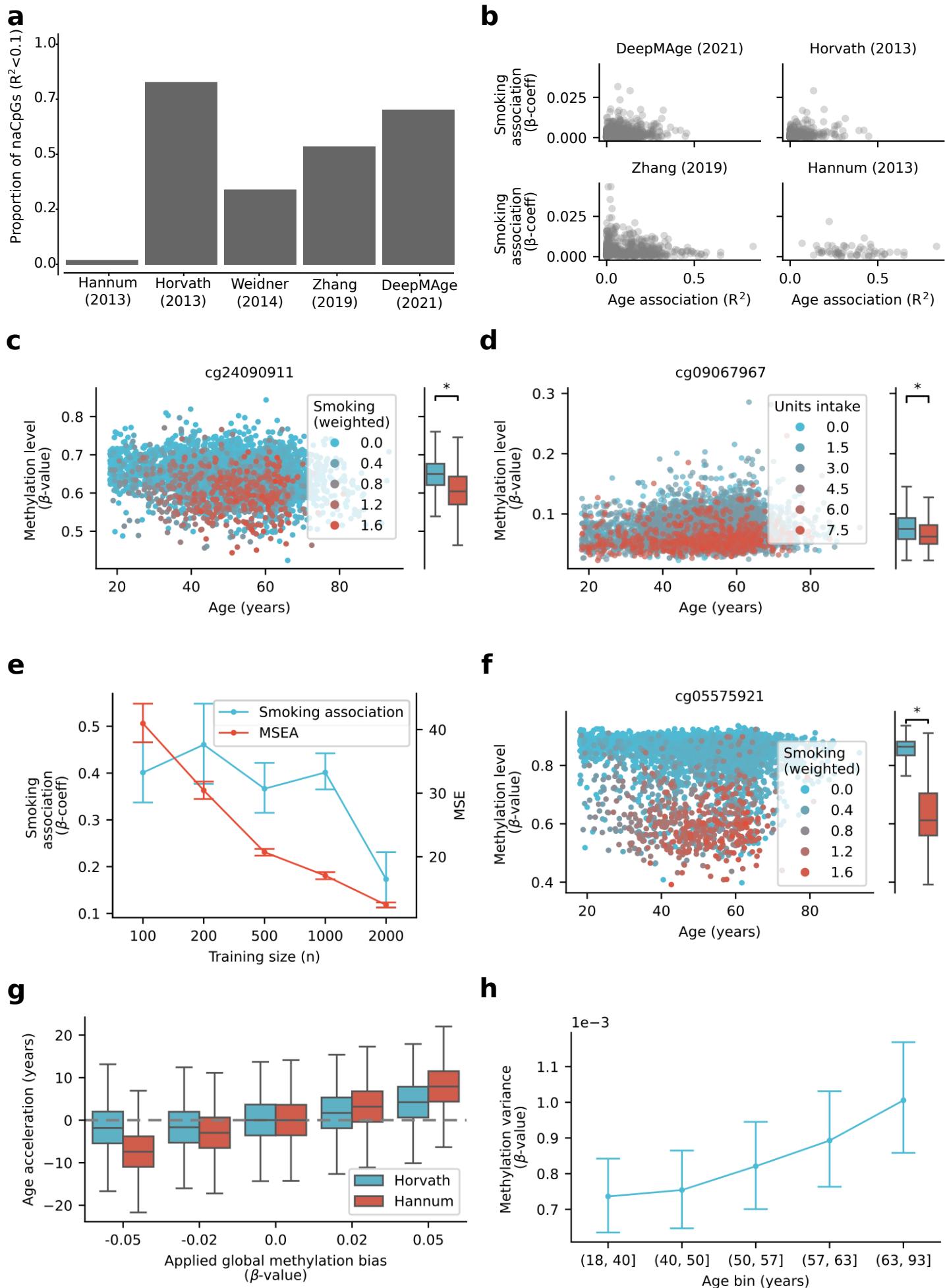
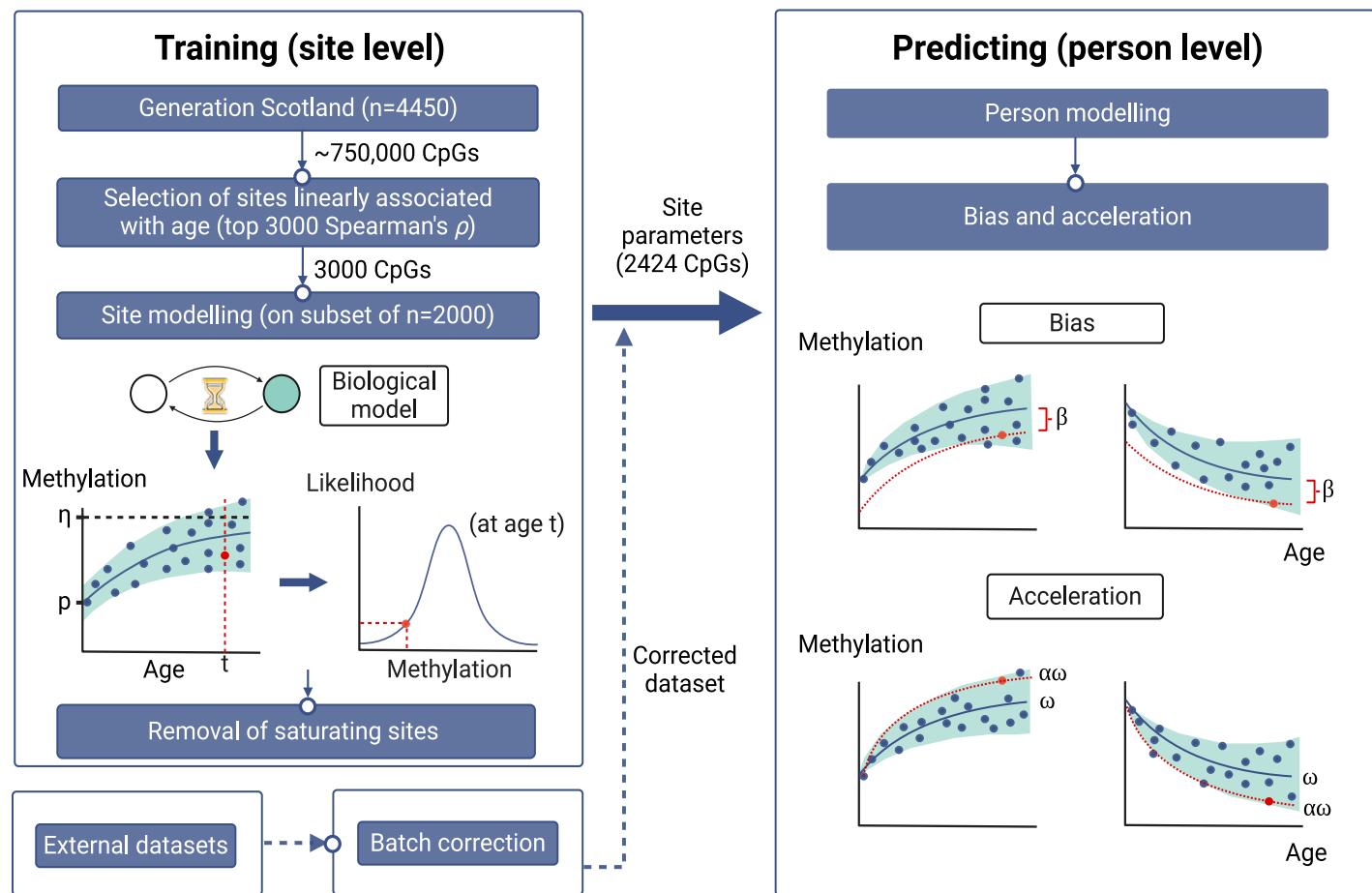
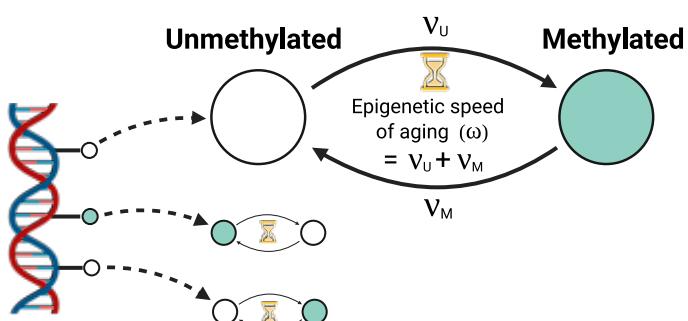


Figure 2

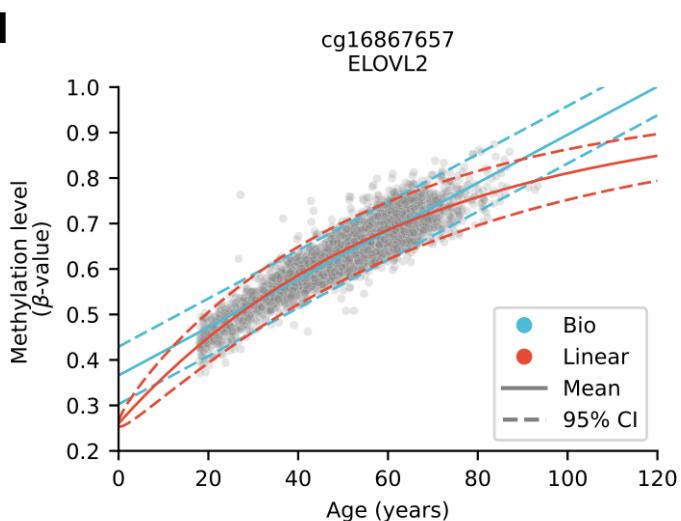
a



b



d



c

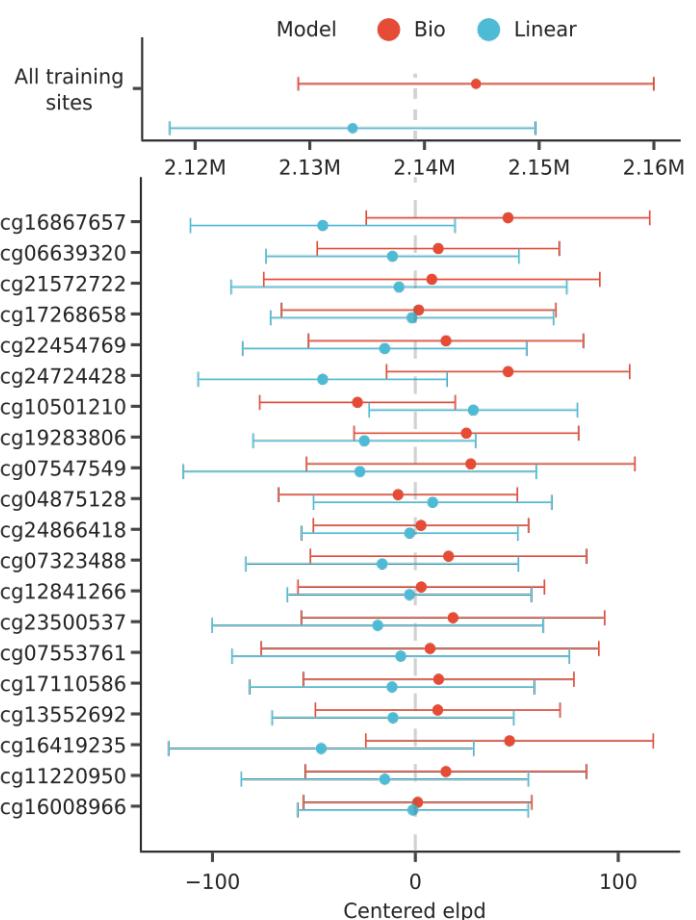
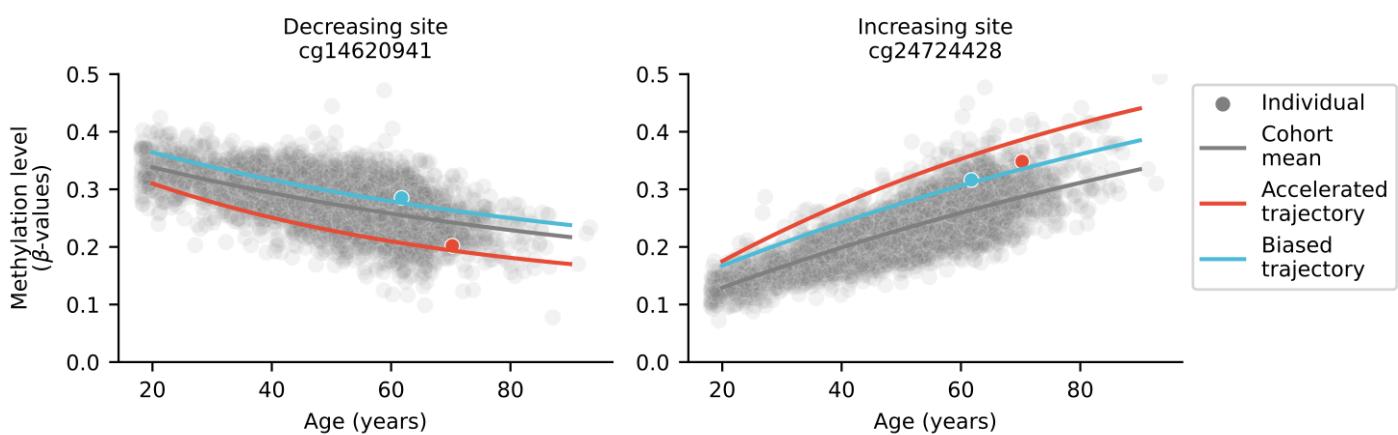
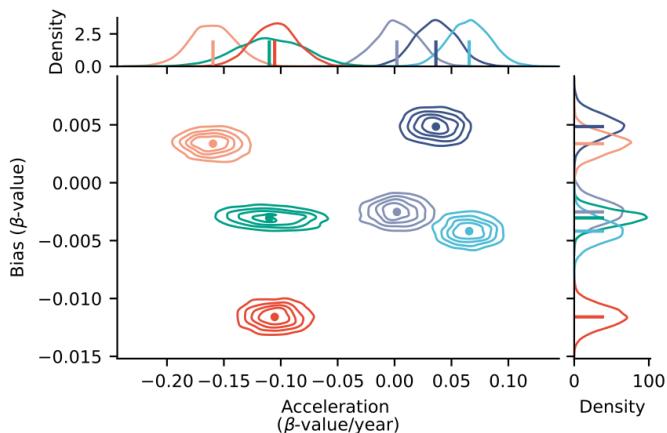


Figure 3

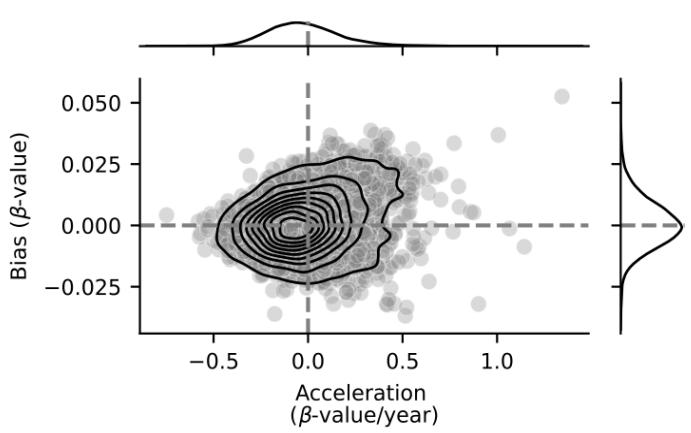
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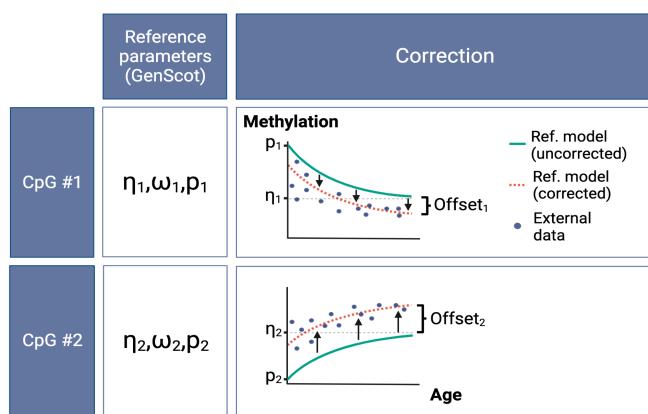
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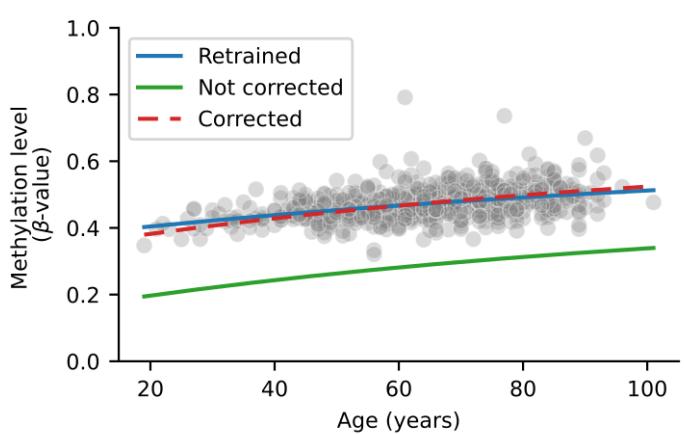
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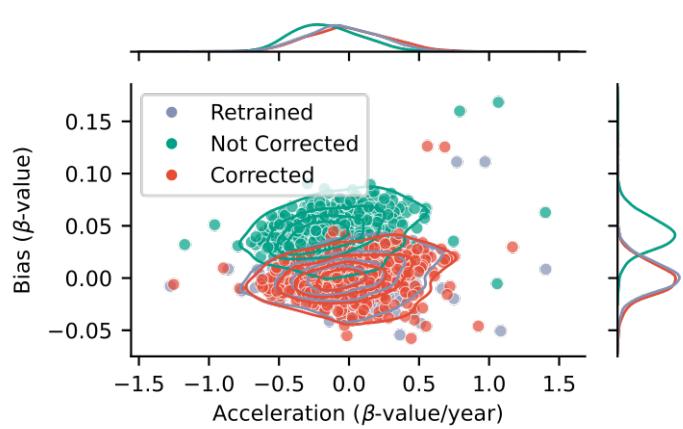
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e



f



g

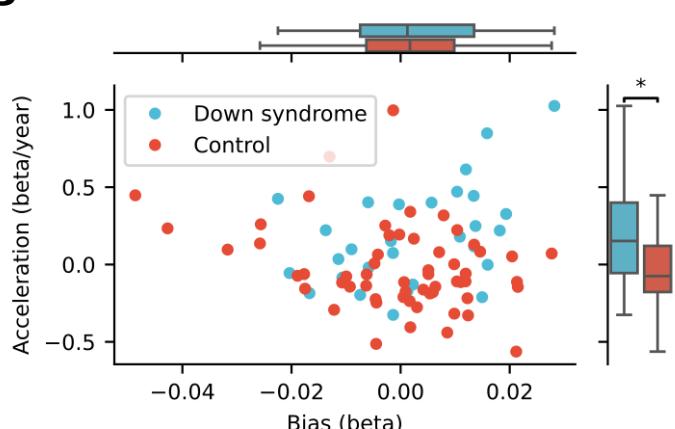
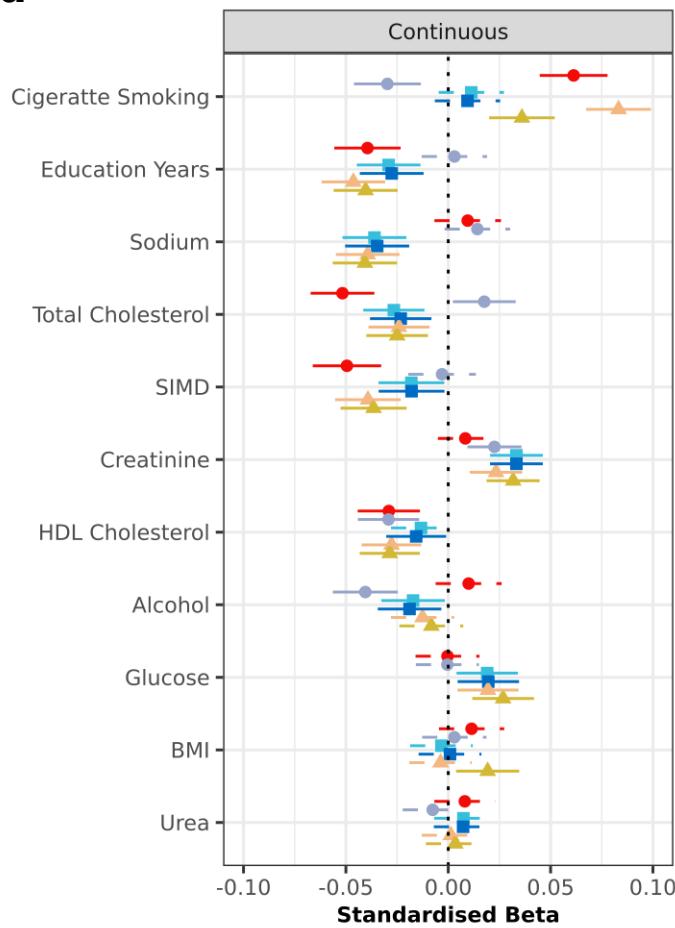
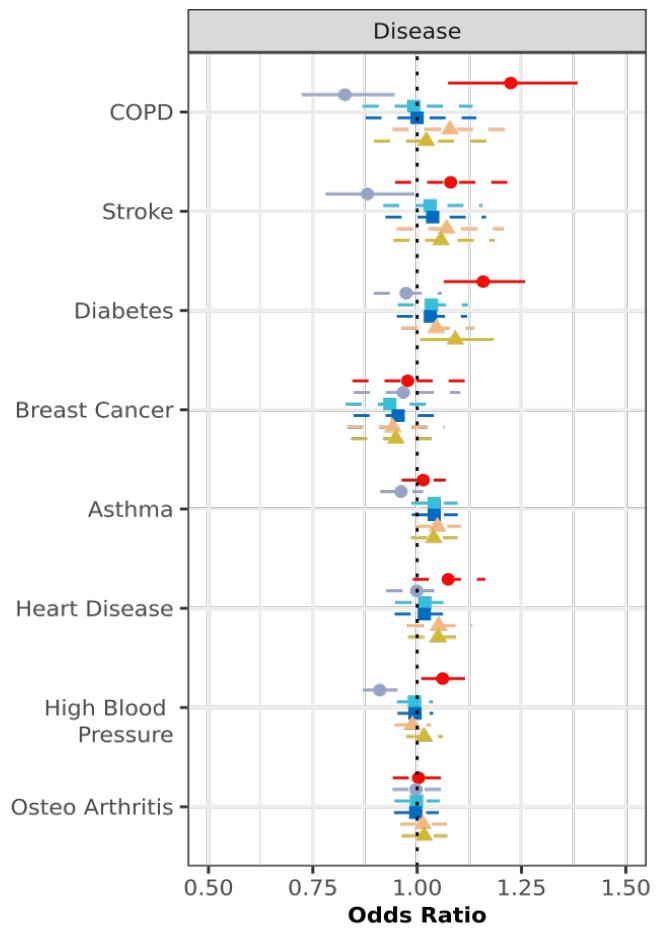


Figure 4

a



b



c

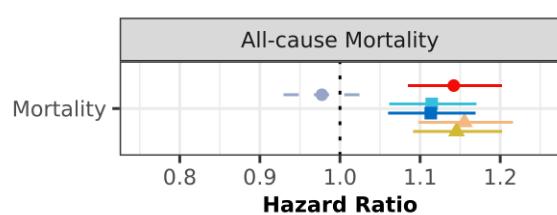
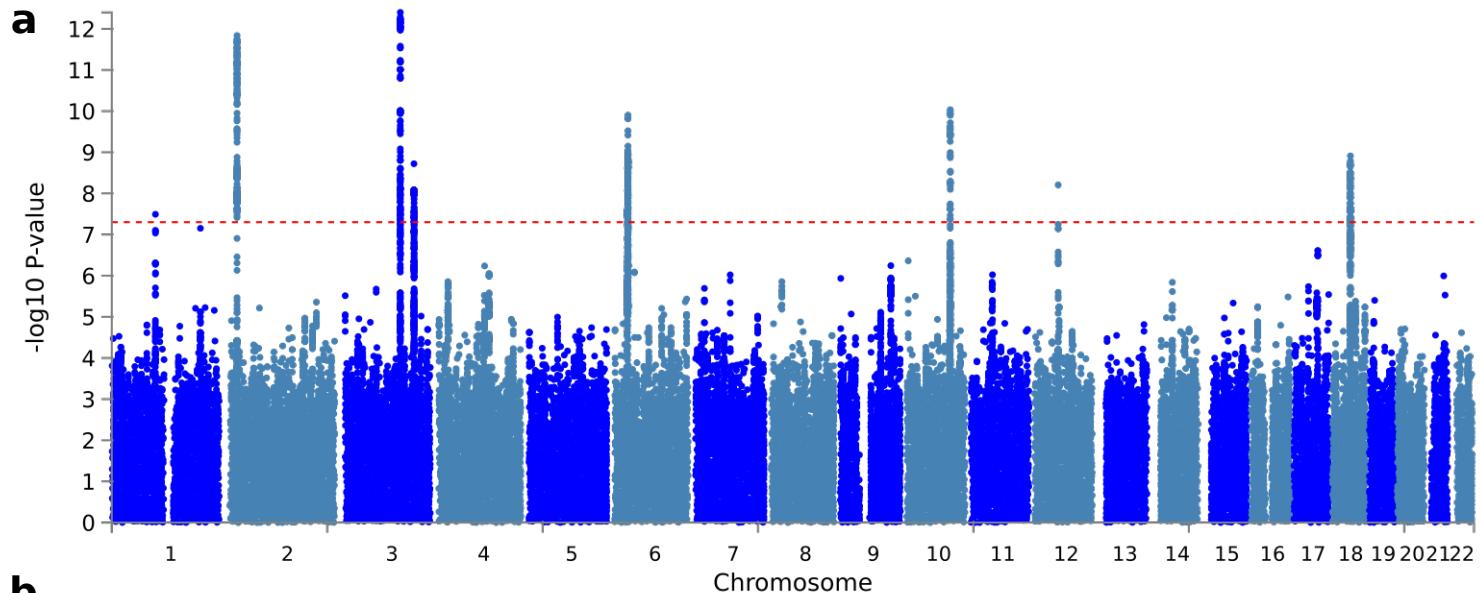


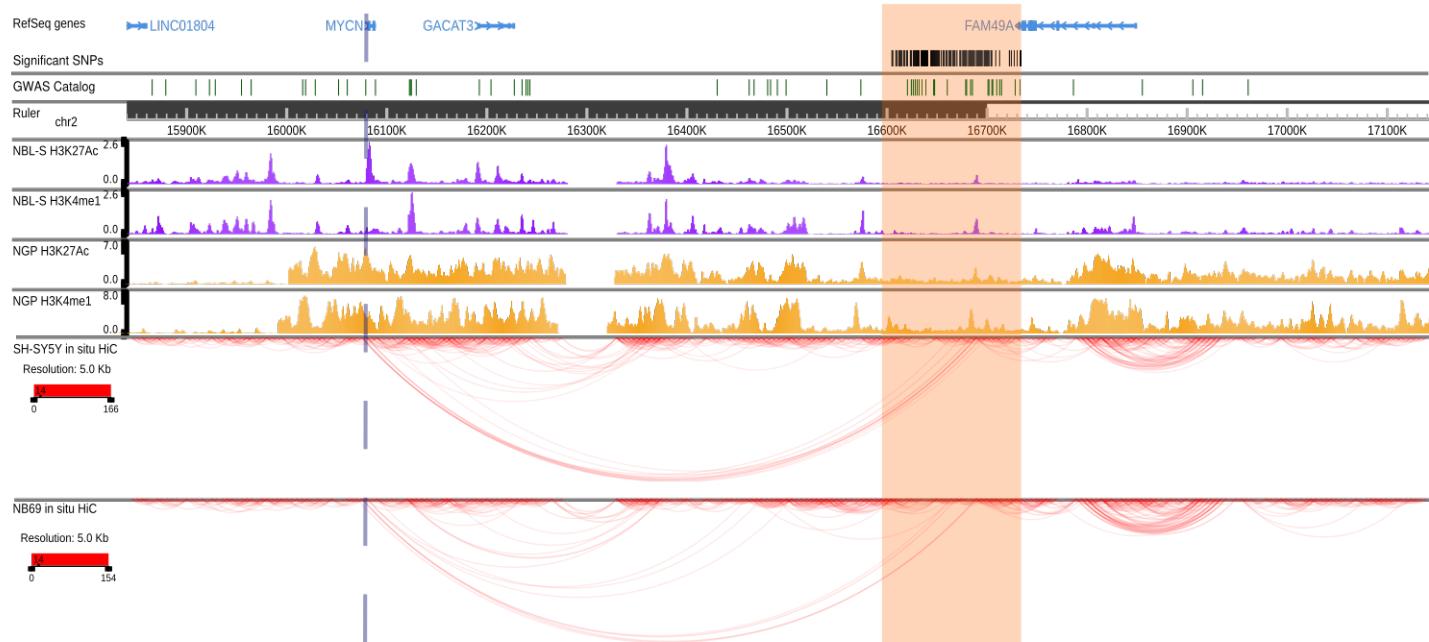
Figure 5



b

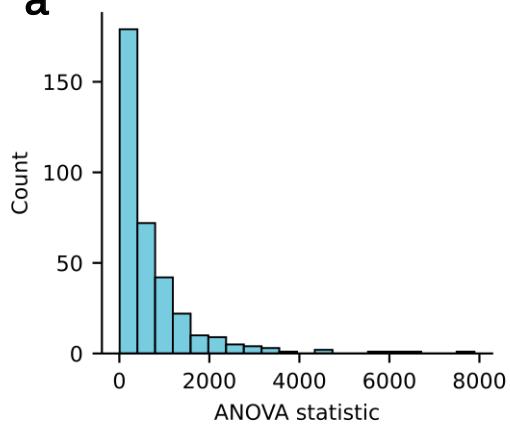
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Lead SNP	rs2893468	rs11096574	rs2492286	rs2001703	rs74808447	rs3740078	rs11190141	rs4759348	rs9951731	rs7232918
Age-related traits										
Acceleration clocks	N	PhenoAge	Hovarth	Hovarth	Hovarth	N	PhenoAge + GrimAge	N	PhenoAge	Hovarth
Mitochondria-related	N	N	N	N	N	N	N	Y	Y	N
Telomere-related	N	N	N	N	N	N	Y	N	N	Y
Chronic inflammatory diseases	Y	N	N	N	N	N	Y	N	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

c

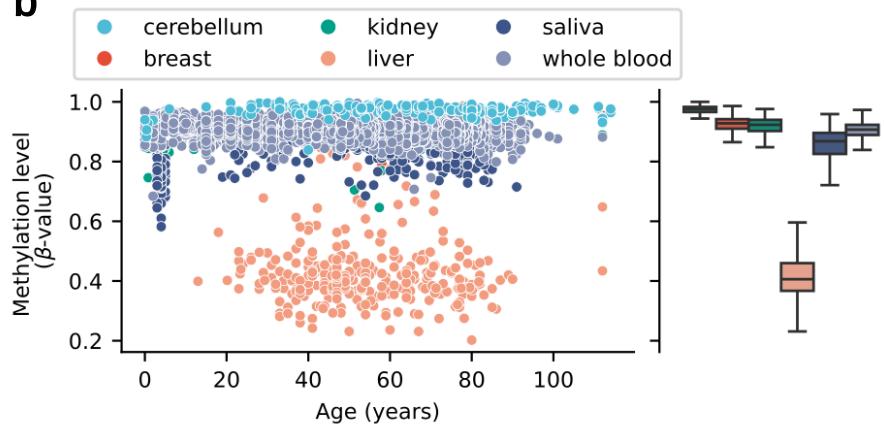


Extended Data Figure 1

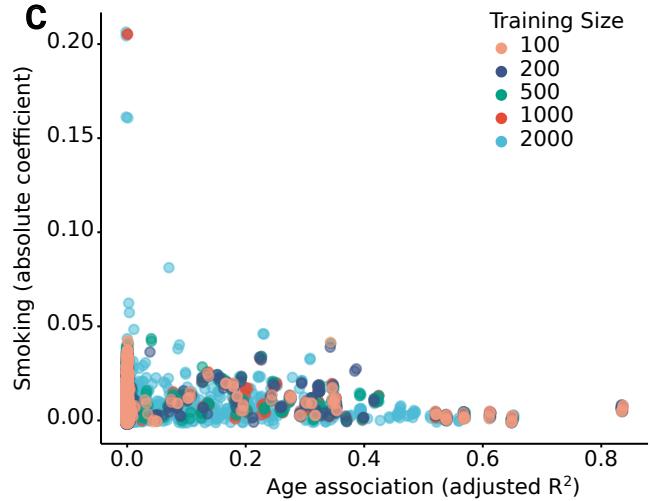
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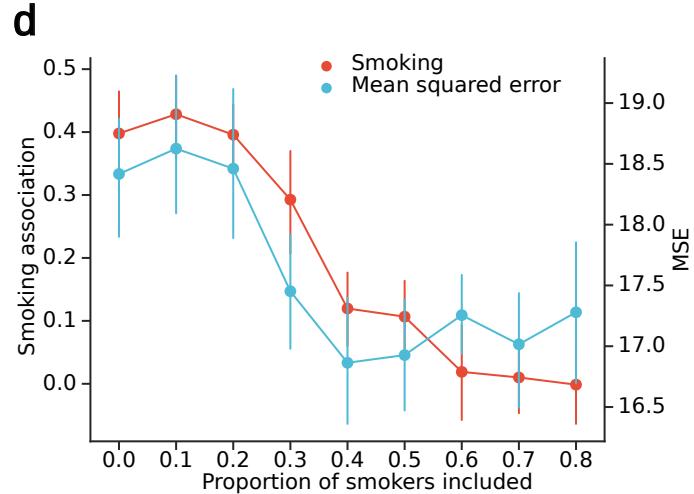
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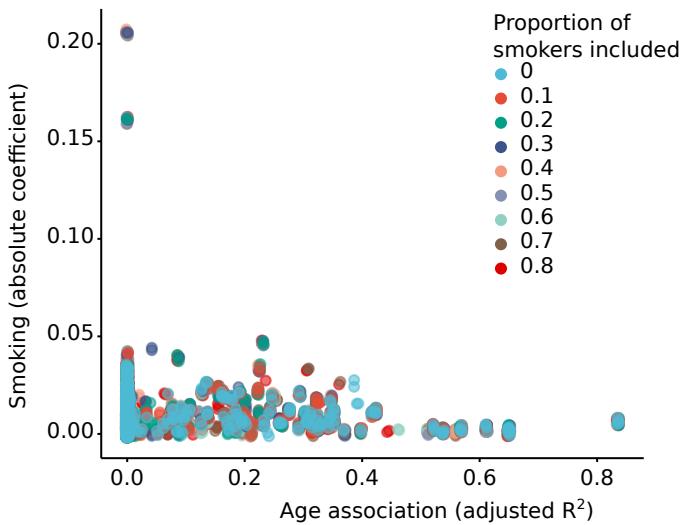
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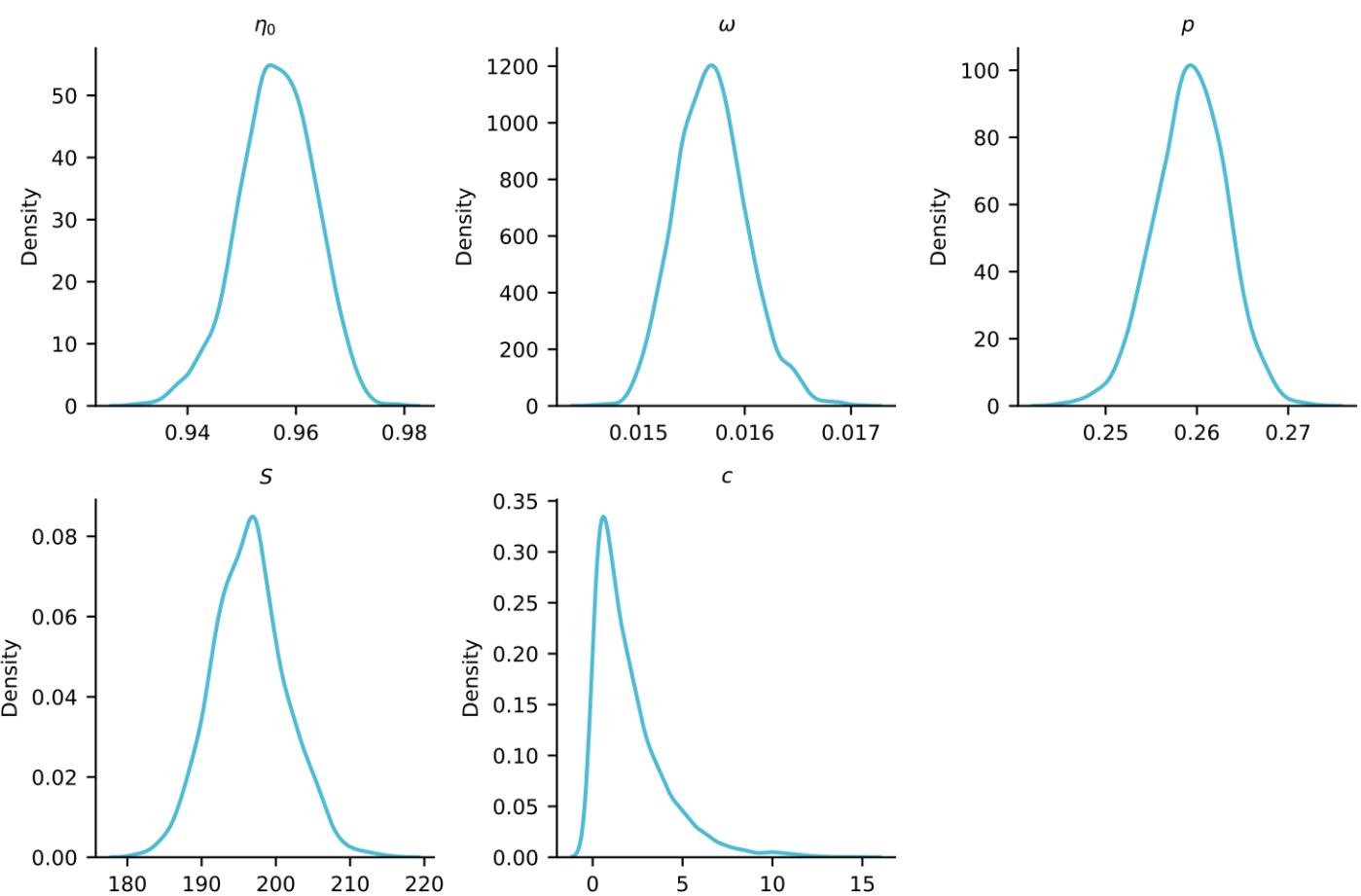


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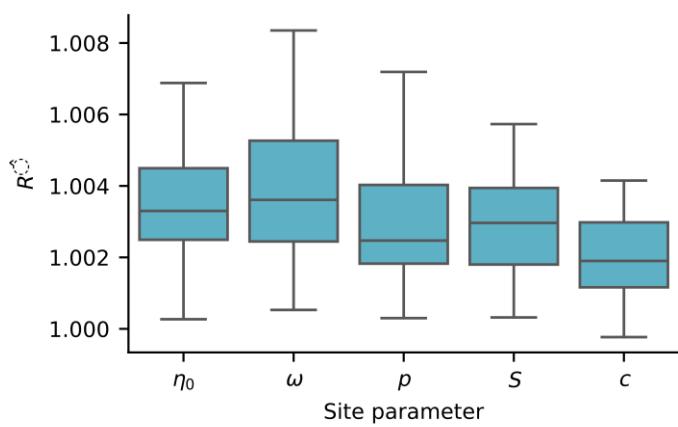


Extended Figure 2

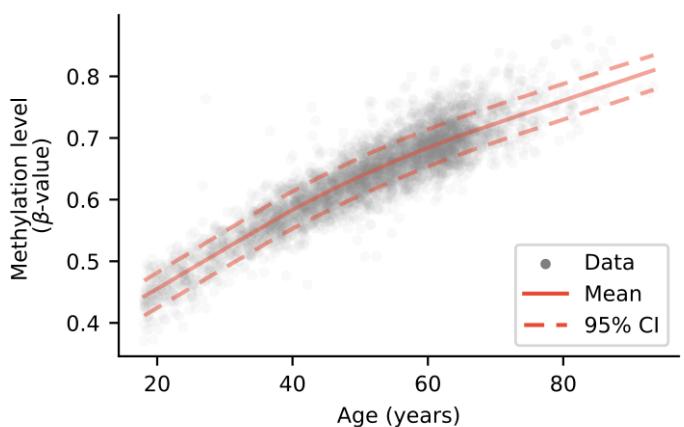
a



b

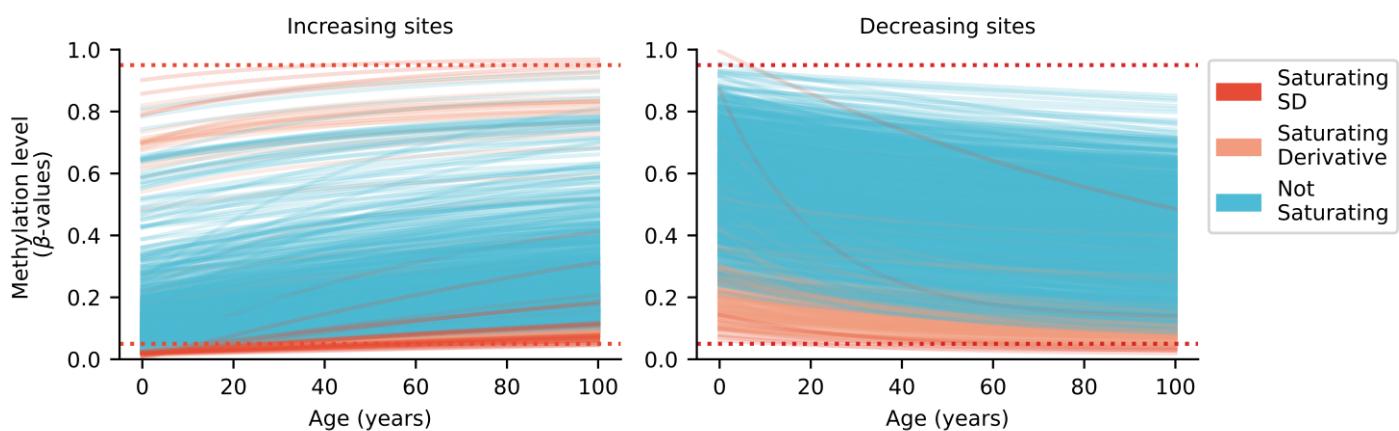


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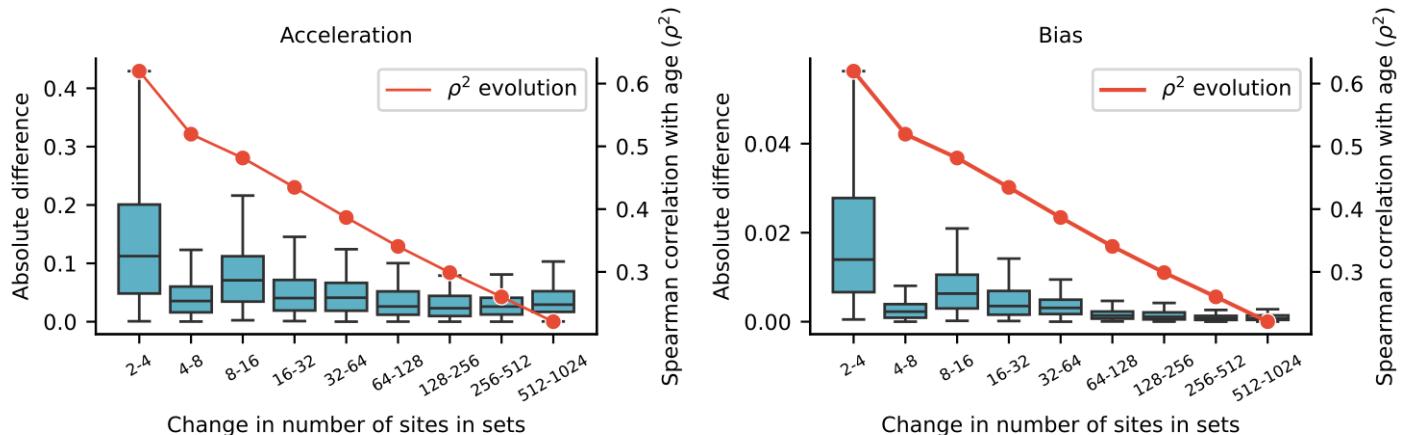


Extended Data Figure 3

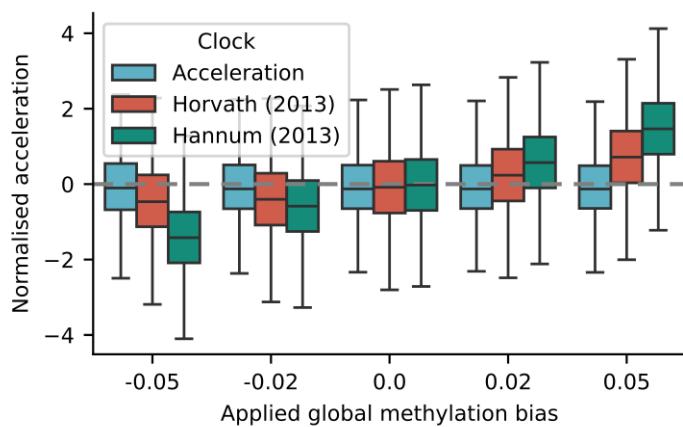
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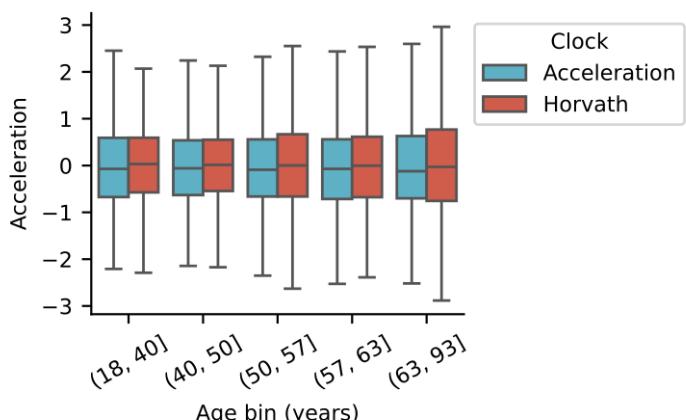
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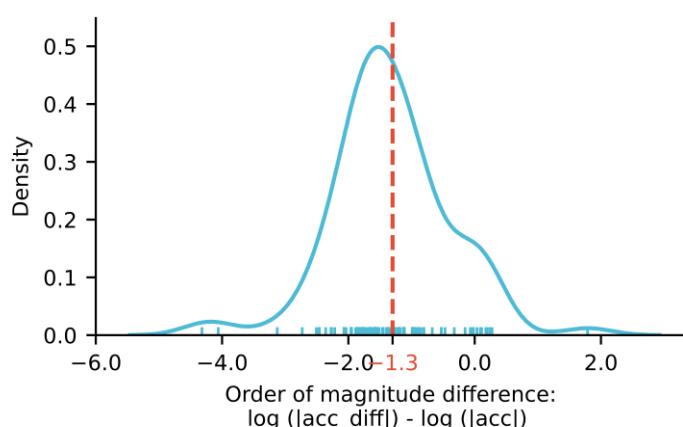
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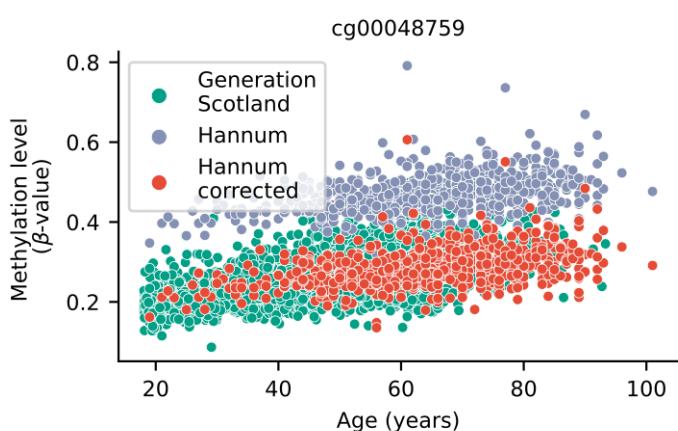


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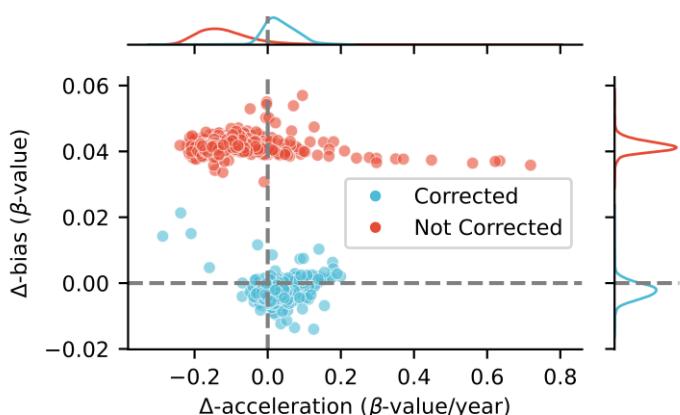


Extended Data Figure 4

a



b



Extended Data Figure 5

a

