

Additional file 4: Supplementary Figures

Figure S1. Accuracy of epigenetic inference of heavy drinkers vs. light and non-drinkers using different marker sets.

Figure S2. Accuracy of epigenetic inference of heavy drinkers vs. at-risk drinkers using different marker sets.

Figure S3. Accuracy of epigenetic inference of at-risk drinkers vs. non-drinkers using different marker sets.

Figure S4. Accuracy of epigenetic inference of at-risk drinkers vs. light drinkers using different marker sets.

Figure S5. Accuracy of epigenetic inference of light drinkers vs. non-drinkers using different marker sets.

Figure legend: Figures S1- S5

Prediction accuracy for alcohol consumption expressed as Area Under the Curve (AUC) using the CpG marker sets from Liu *et al.* ‘Internal Validation’: Mean AUC and SD from internal validation using ten-fold cross-validation in our model building dataset (6 cohorts, N= 2883). ‘External Validation’: AUCs from external validation by applying our model trained in the model building dataset to data from three external validation cohorts (Rotterdam Study, N= 648; SHIP-Trend, N= 433; and TwinsUK, N= 713 and N=442). Based on interview or self-reported information, non-drinkers were defined as participants with no alcohol consumption; light drinkers with an alcohol consumption of $0 < \text{g per day} \leq 28$ in men and $0 < \text{g per day} \leq 14$ in women; and heavy drinkers with an alcohol consumption of ≥ 42 g per day in men and ≥ 28 g per day in women.

Abbreviations: RS- The Rotterdam Study; TwinsUK- The TwinsUK Study; TwinsUK2- Subset of the TwinsUK Study; SHIP- Study of Health in Pomerania-Trend cohort

Figure S1. Accuracy of epigenetic inference of heavy drinkers vs. light and non-drinkers using different marker sets.

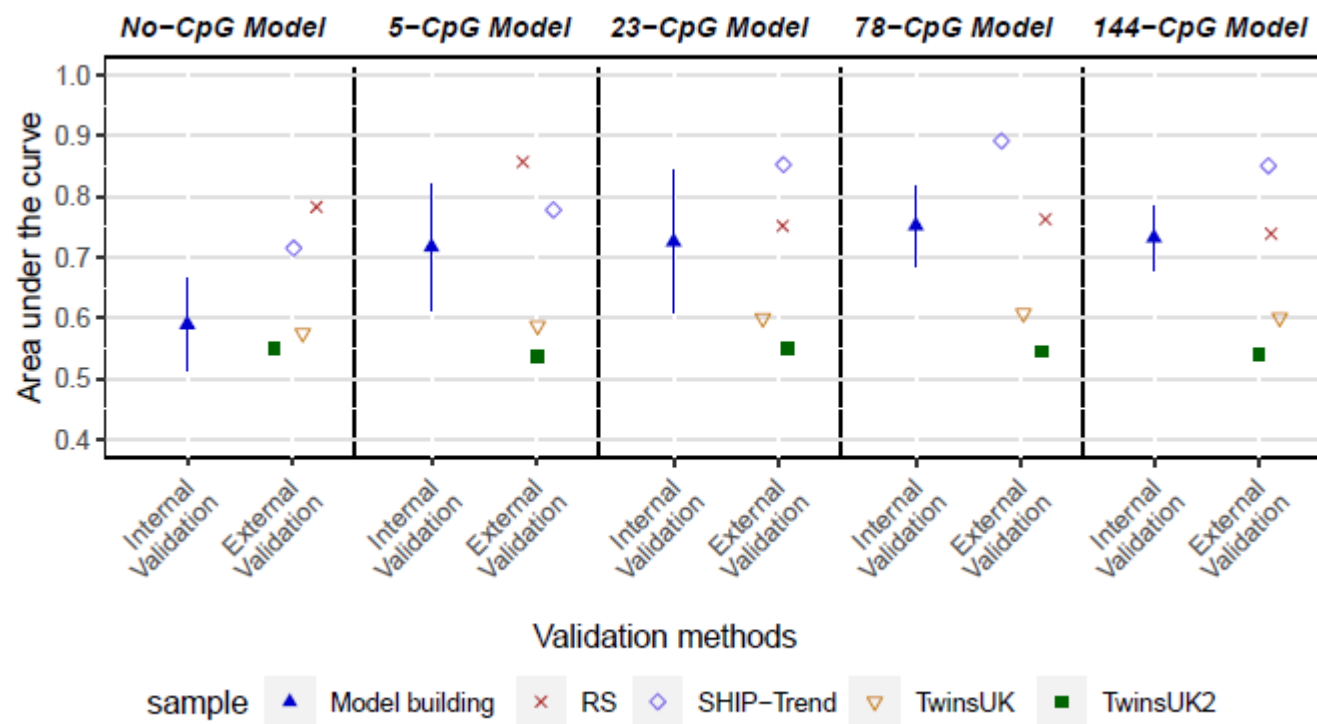


Figure S2. Accuracy of epigenetic inference of heavy drinkers vs. at-risk drinkers using different marker sets.

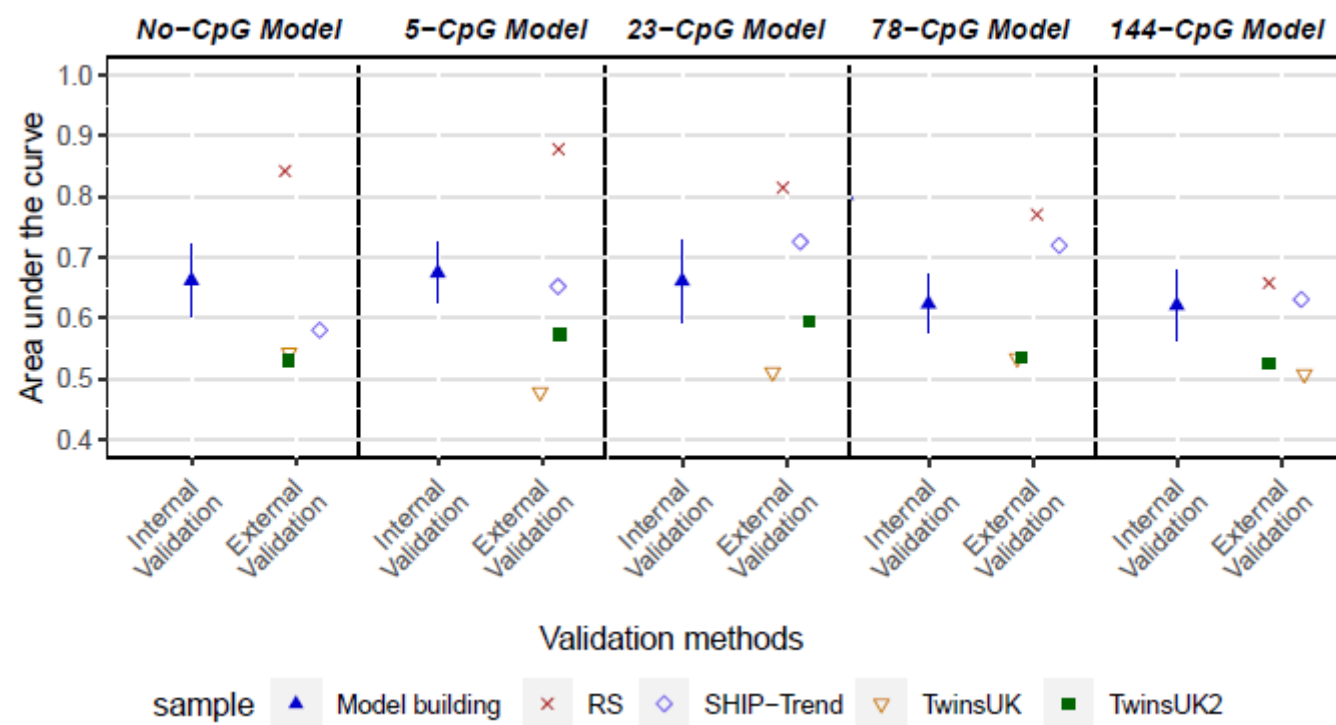


Figure S3. Accuracy of epigenetic inference of at-risk drinkers vs. non-drinkers using different marker sets.

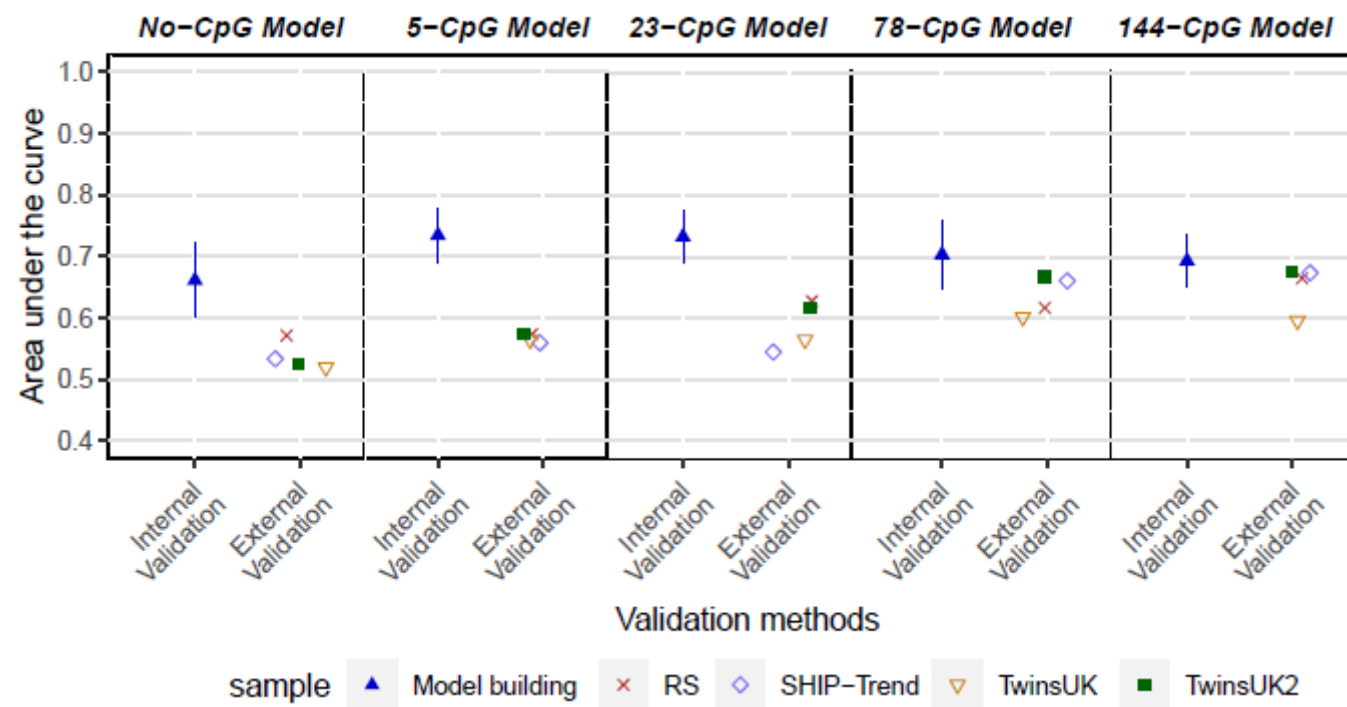


Figure S4. Accuracy of epigenetic inference of at-risk drinkers vs. light drinkers using different marker sets.

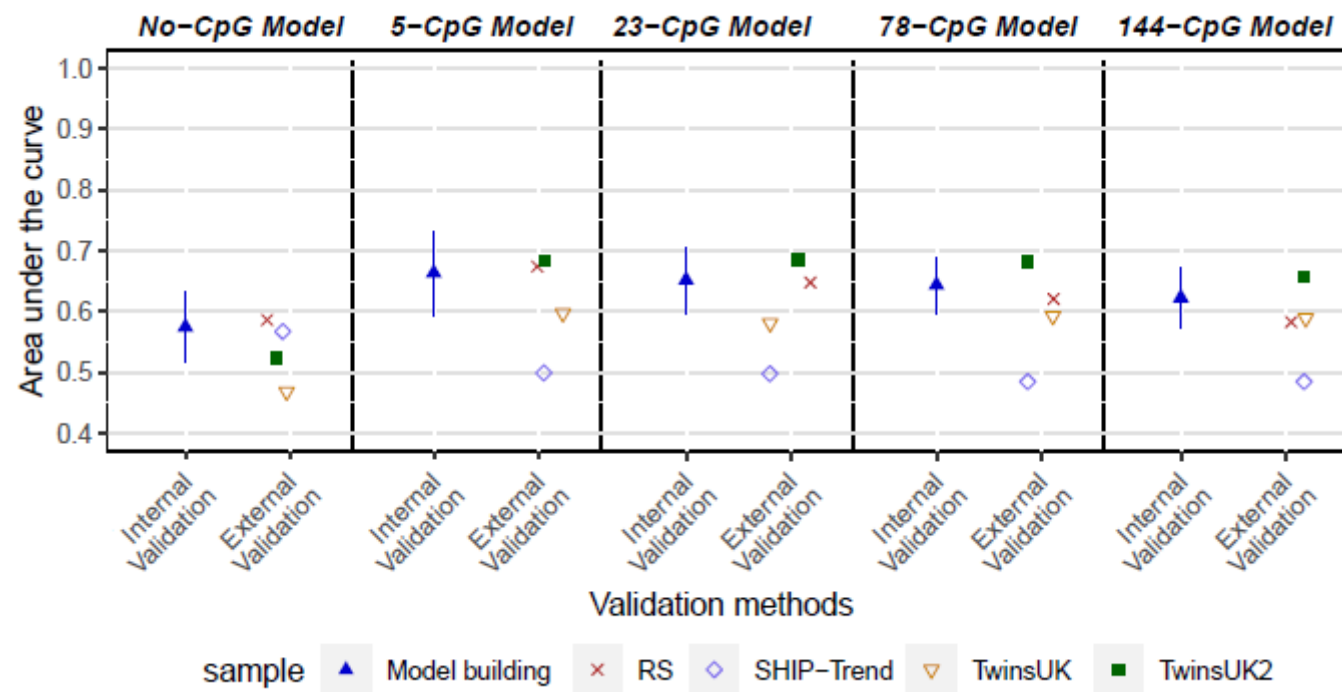


Figure S5. Accuracy of epigenetic inference of light drinkers vs. non-drinkers using different marker sets.

