

eFigures

eFigure 1. Area under the curve (AUC) of receiver operating characteristic (ROC) graph for each bivariant logistic regression model.

eFigure 2. Plasma pTau181 levels measured in iBEAS cohort.

eFigure 3. DNA methylation levels in peripheral blood leucocytes (PBLs) by sex.

eFigure 4. Calibration plots for each selected Models.

eFigure 5. Area under the curve (AUC) of receiver operating characteristic (ROC) graph for each multivariable logistic regression model (LRM).

eFigure 1. Area under the curve (AUC) of receiver operating characteristic (ROC) graph for each bivariate logistic regression model.

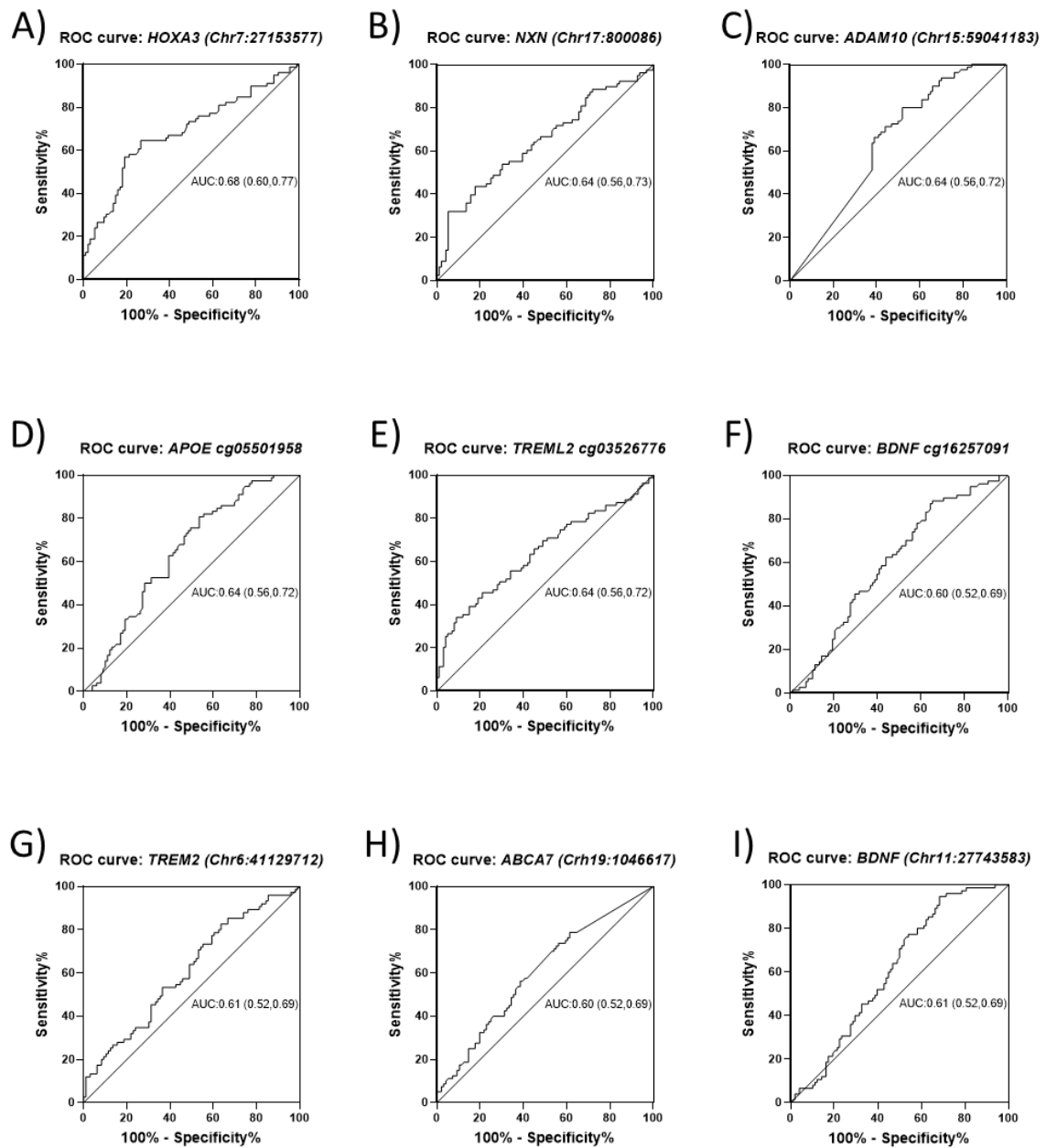


Figure Legend:

The graphs represent the AUC showing the performance of diagnostic prediction for *HOXA3* (A), *NXN* (B), *ADAM10* (C), *APOE* (D), *TREML2* (E), *BDNF* (F,I), *TREM2* (G), *ABCA7* (H) genes.

eFigure 2. Plasma pTau181 levels measured in iBEAS cohort.

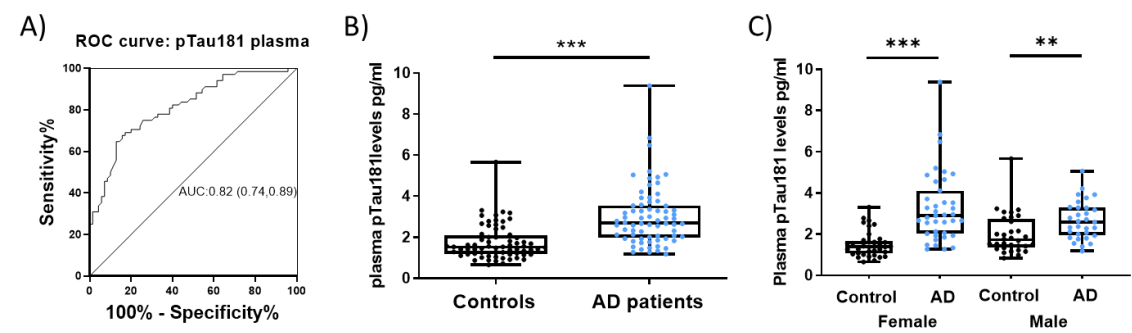


Figure Legend:

(A) The graph represents the AUC showing the performance of diagnostic prediction for plasma levels of pTau181. (B,C) Box-plots represent plasma levels of pTau181 in whole iBEAS cohort and after stratified in female and male subset. ** P -value < 0.01; *** P -value < 0.001.

eFigure 3. Calibration plots for each selected Models.

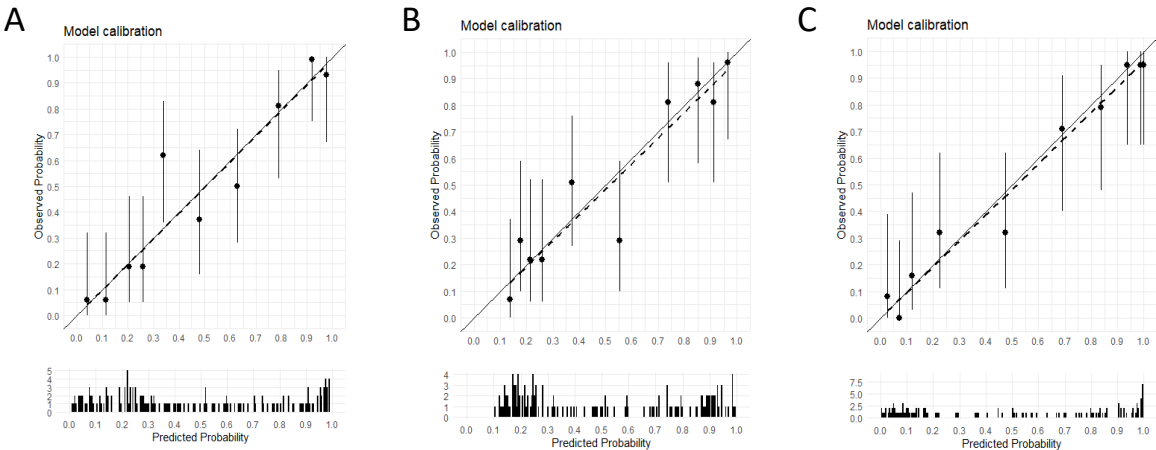


Figure Legend:

The panel show the calibration plots for Model 1 (A), Model 2 (B) and Model 3 (C).

eFigure 4. DNA methylation levels in peripheral blood leucocytes (PBLs) by sex.

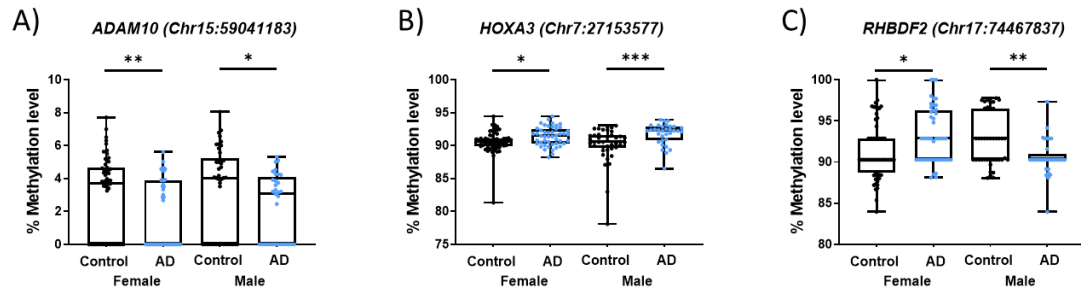


Figure Legend:

The panel show box-plot which represent the percentage of DNA methylation to DMPs for *ADAM10* (A), *HOXA3* (B), *RHBDF2* (C) genes in whole cohort, males and females

eFigure 5. Area under the curve (AUC) of receiver operating characteristic (ROC) graph for each multivariable logistic regression model (LRM).

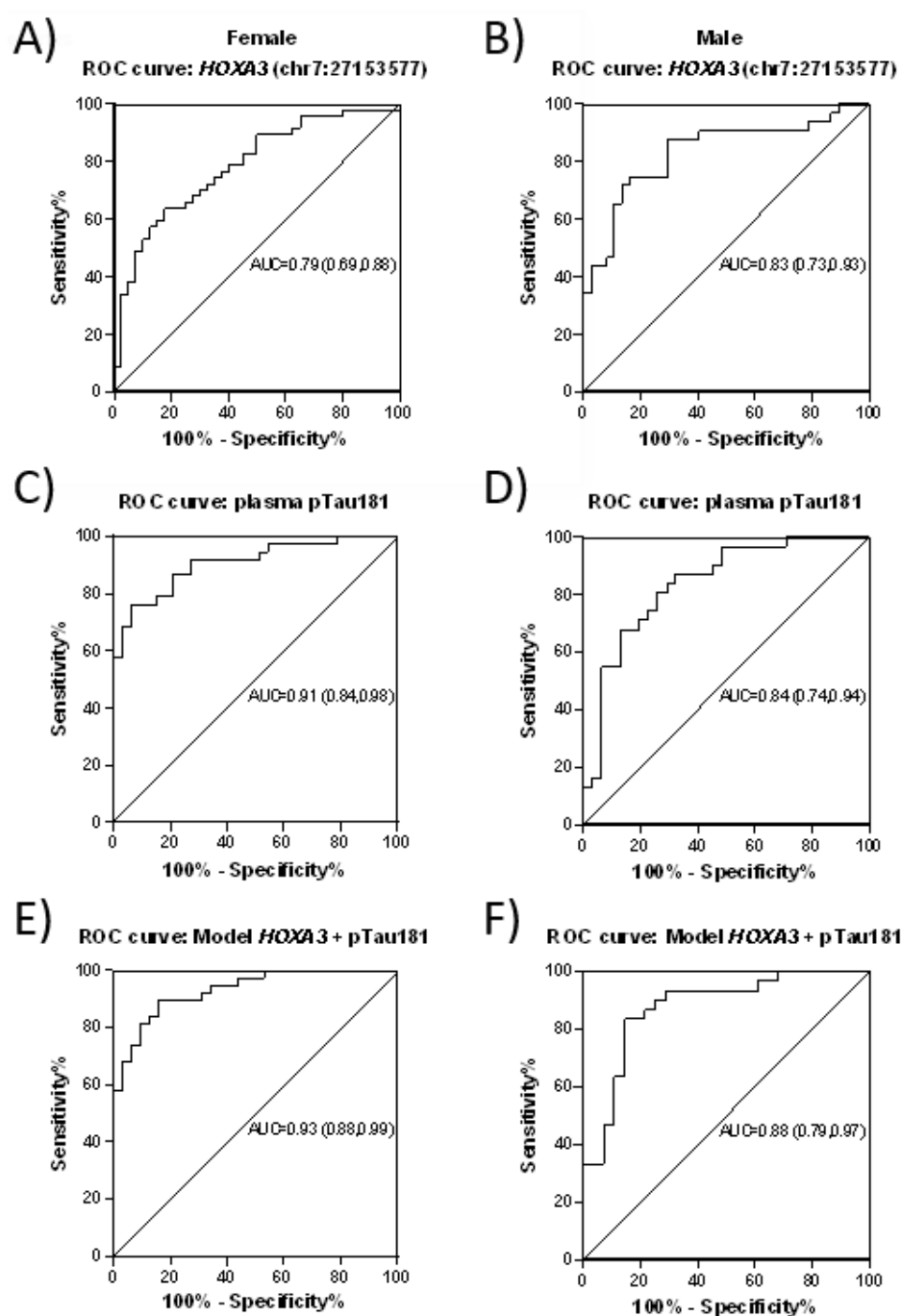


Figure Legend:

The graphs represent the AUC showing the performance of diagnostic prediction for LRM DNA methylation of *HOXA3* (A,B), LRM plasma pTau181 (C,D), LRM combination DNA methylation of *HOXA3* gene and pTau181 (E,F) in female and male subset