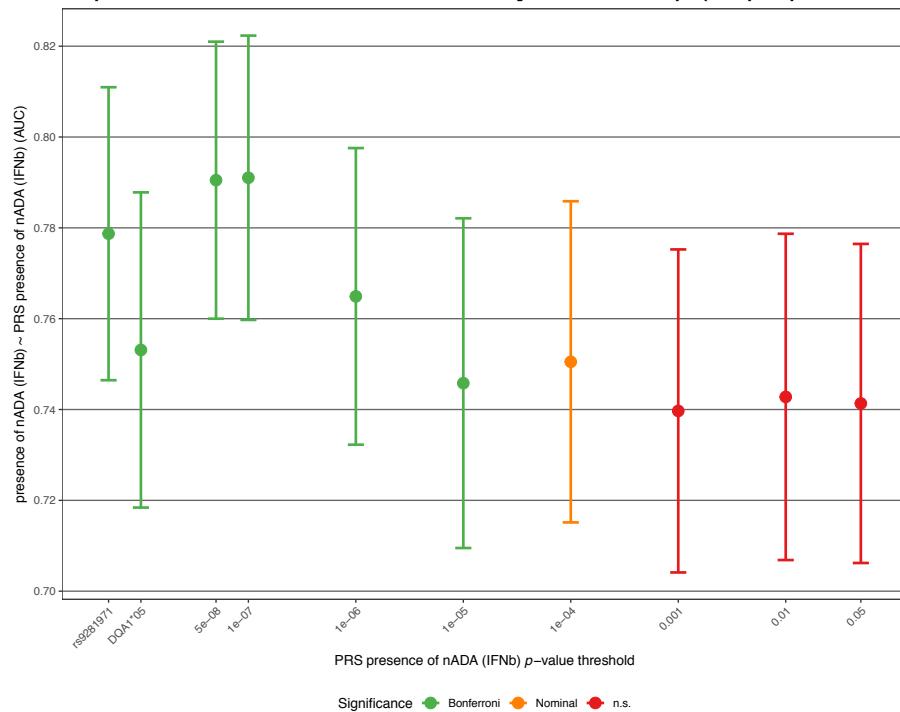


Genetic risk for anti-drug antibodies against interferon-beta – Prediction results

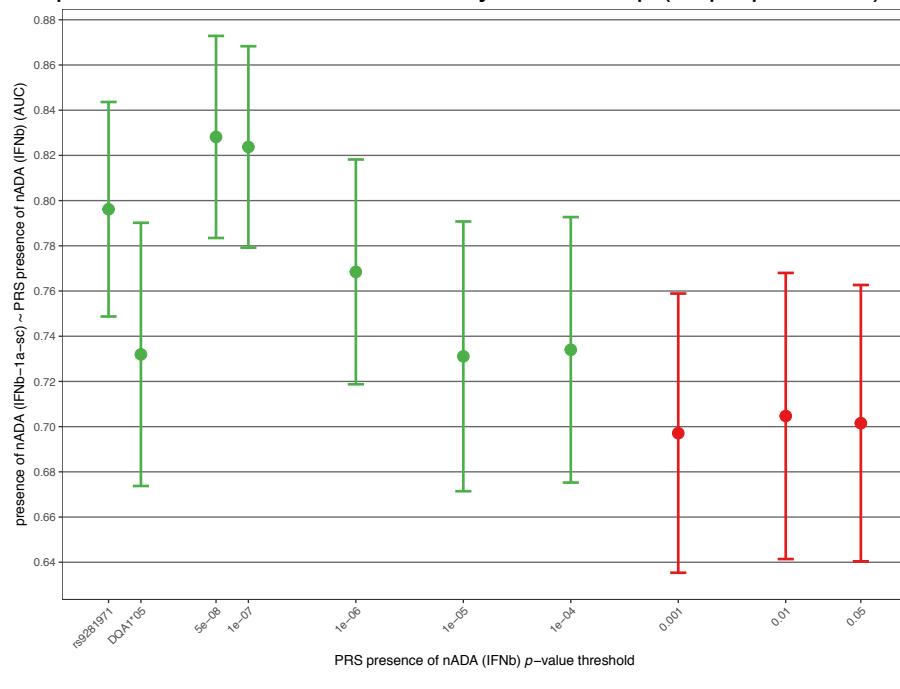
Treatment-specific prediction of the presence of nADA in the replication data: performance of single models.

Eight PRS, the top single GWAS variant, and the top *HLA* allele from the discovery stage. Covariates: sex, age, treatment duration, titration site, and ancestry components. The plots show the area under the receiver operating characteristic curve (AUC) and its 95 % confidence interval (CI). Bonferroni = significant after Bonferroni correction for multiple testing; nominal = nominally significant ($p < 0.05$); n.s. = not significant.

A: AUC for the prediction of the presence of nADA across all treatment preparations using all ten prediction models based on analyses for IFN β (all preparations) in the discovery data.

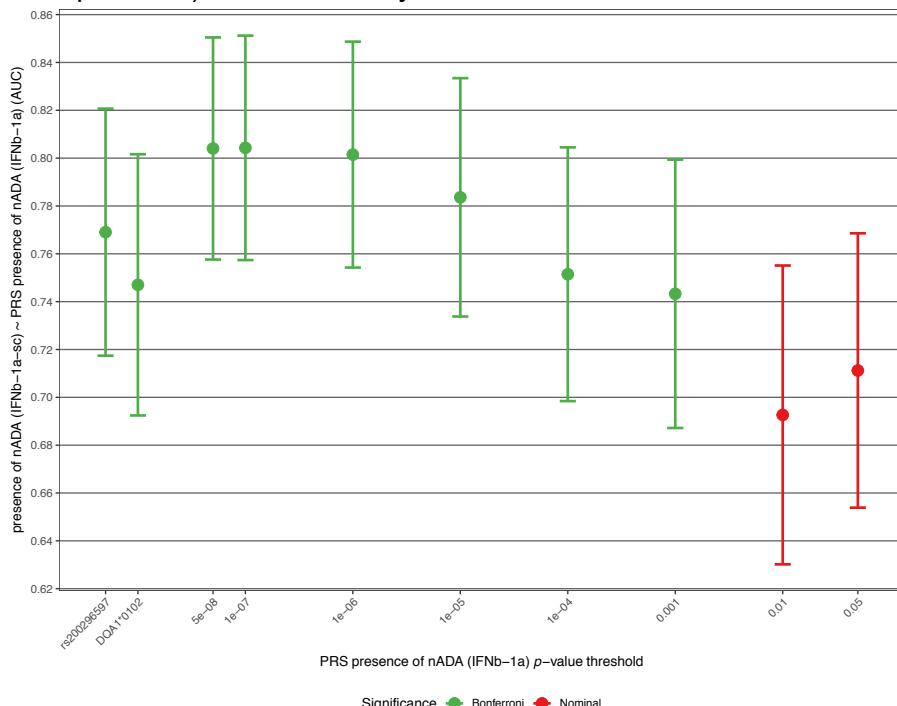


B: AUC for the prediction of the presence of nADA in IFN β -1a s.c.-treated patients using all ten prediction models based on analyses for IFN β (all preparations) in the discovery data.

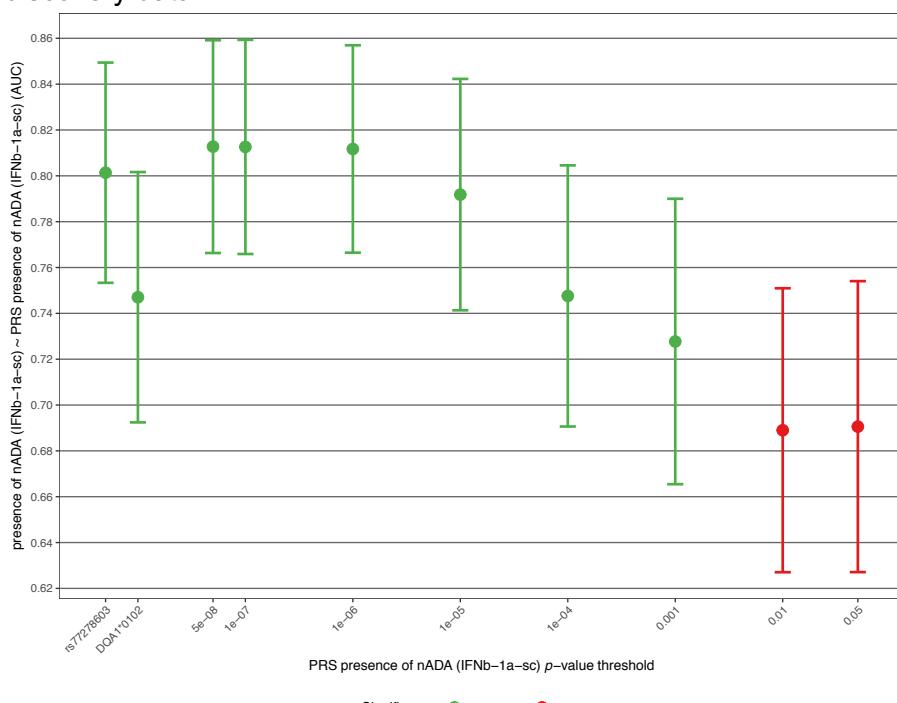


Genetic risk for anti-drug antibodies against interferon-beta – Prediction results

C: AUC for the prediction of the presence of nADA in IFN β -1a s.c.-treated patients from the replication data using all ten prediction models based on analyses for IFN β -1a (IFN β -1a s.c. + IFN β -1a i.m.) in the discovery data.

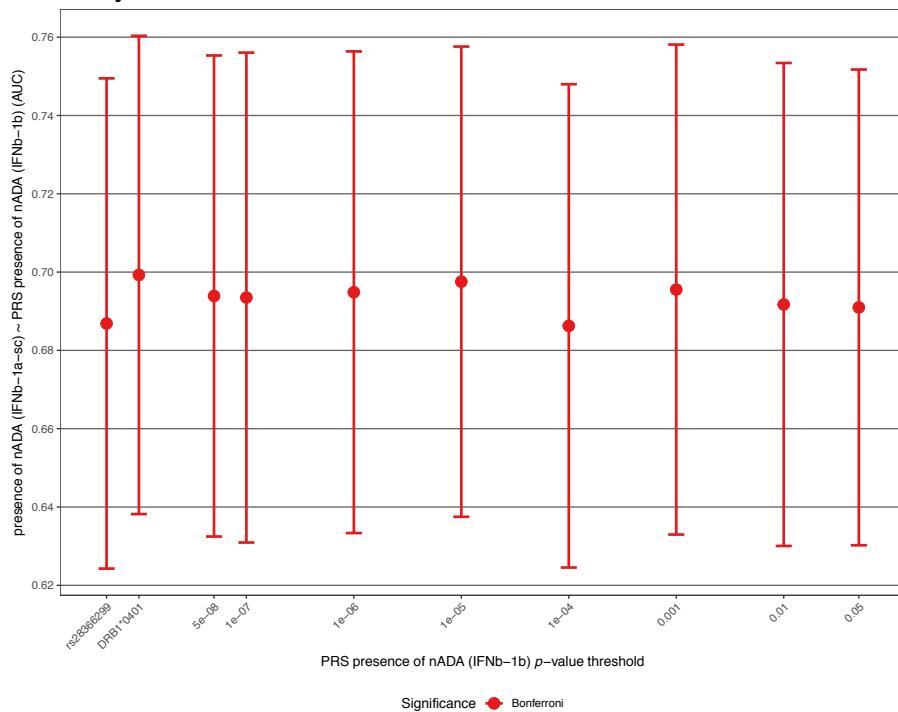


D: AUC for the prediction of the presence of nADA in IFN β -1a s.c.-treated patients from the replication data using all ten prediction models based on analyses for IFN β -1a s.c. in the discovery data.

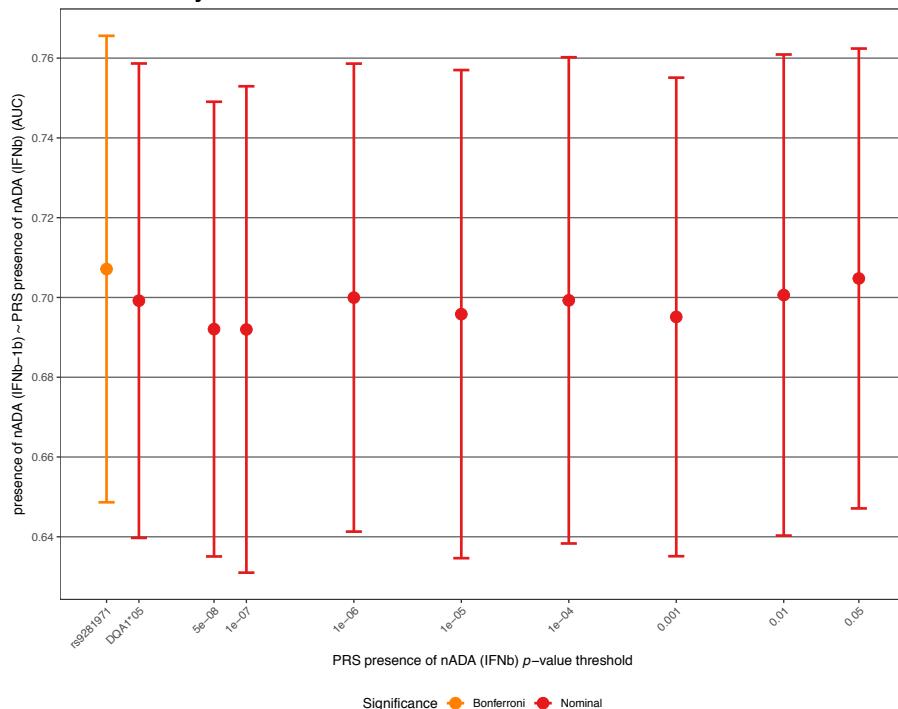


Genetic risk for anti-drug antibodies against interferon-beta – Prediction results

E: AUC for the prediction of the presence of nADA in IFN β -1a s.c.-treated patients from the replication data using all ten prediction models based on analyses for IFN β -1b s.c. in the discovery data.

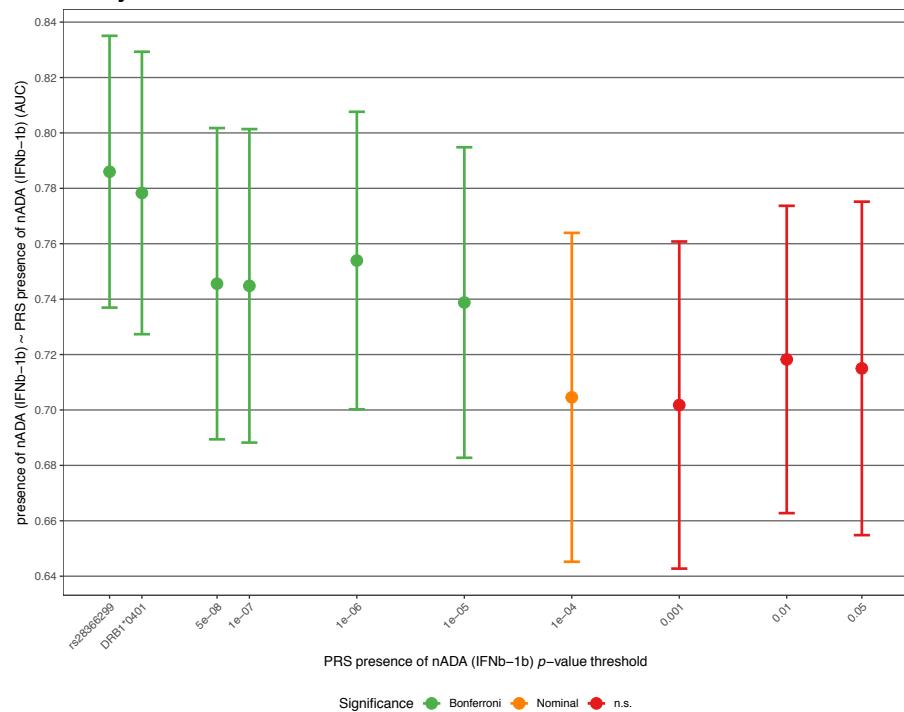


F: AUC for the prediction of the presence of nADA in IFN β -1b s.c.-treated patients from the replication data using all ten prediction models based on analyses for IFN β (all preparations) in the discovery data.

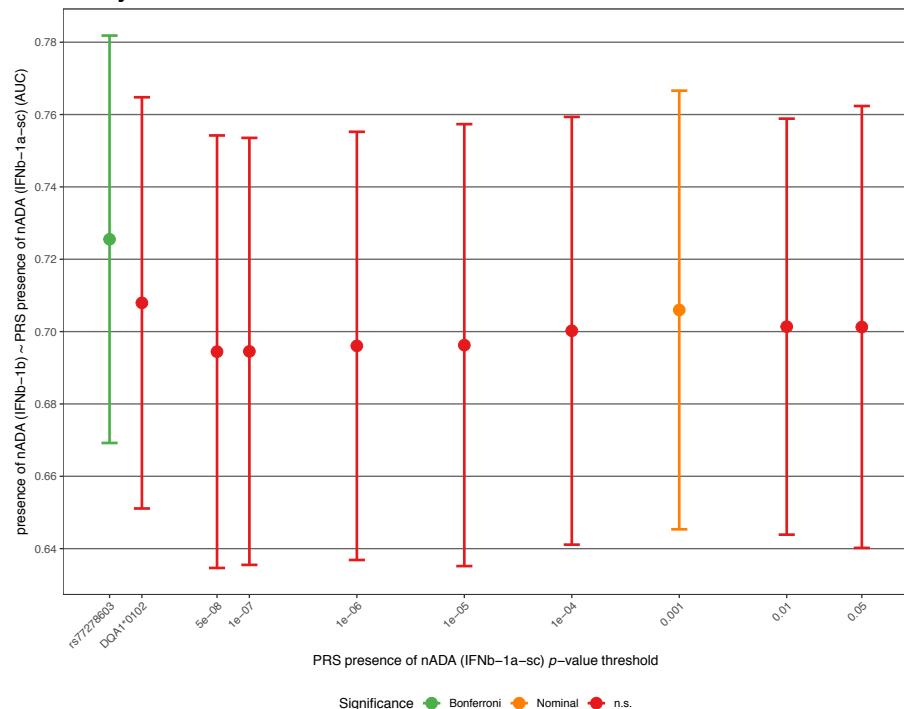


Genetic risk for anti-drug antibodies against interferon-beta – Prediction results

G: AUC for the prediction of the presence of nADA in IFN β -1b s.c.-treated patients from the replication data using all ten prediction models based on analyses for IFN β -1b s.c. in the discovery data.



H: AUC for the prediction of the presence of nADA in IFN β -1b s.c.-treated patients from the replication data using all ten prediction models based on analyses for IFN β -1a s.c. in the discovery data.



Genetic risk for anti-drug antibodies against interferon-beta – Prediction results

I: AUC for the prediction of the presence of nADA in IFN β -1b s.c.-treated patients from the replication data using all ten prediction models based on analyses for IFN β -1a (IFN β -1a s.c. + IFN β -1a i.m.) in the discovery data.

