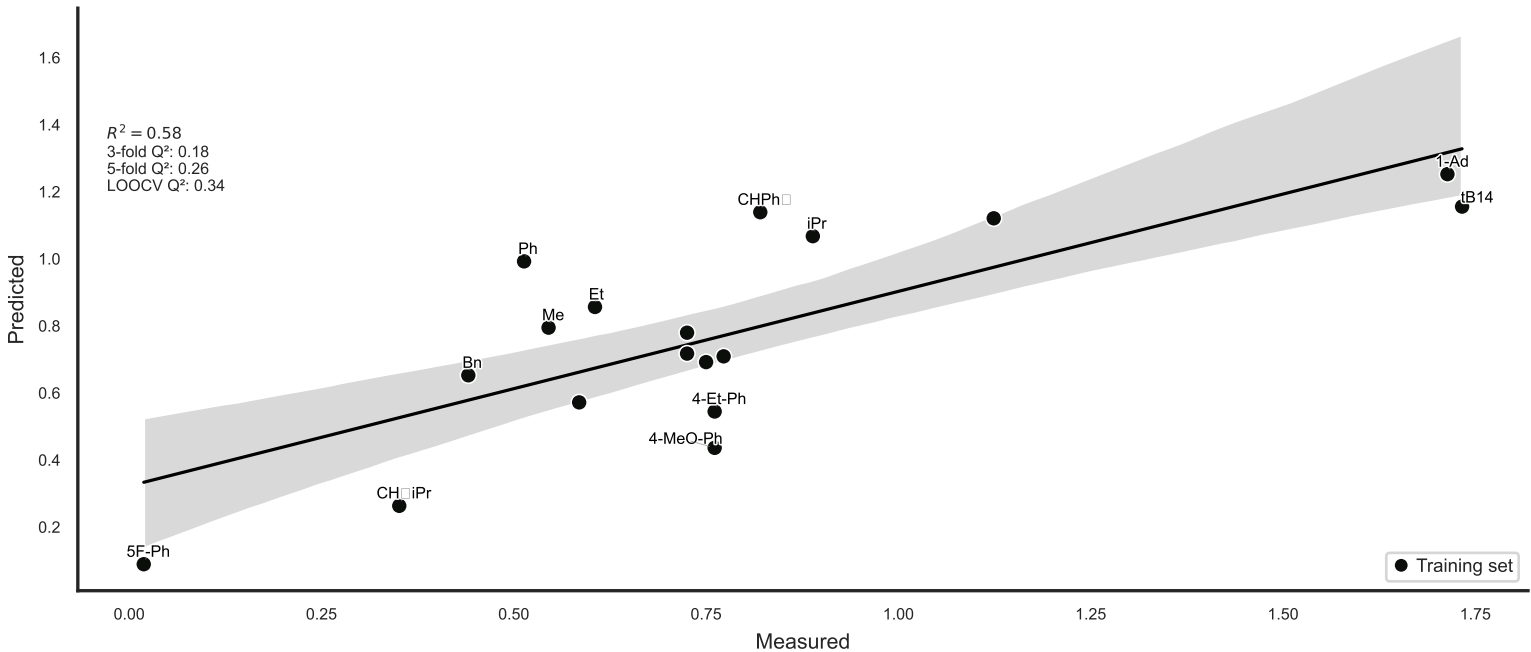


Predicted vs Measured



$$y = +10.42 \cdot \text{Amplitude_Stretch_12_13} + 0.20 \cdot \text{dipole_z_6-11-4} - 0.18 \cdot \text{total_dipole_6-11-4} - 9.37$$

old CV Metrics

Q2_3_MARMSD_3		
0.18	0.29	0.367

5-fold CV Metrics

Q2_5_MARMSD_5		
0.25	0.27	0.351

LOOCV Metrics

Q2_LOOCV_MARMSD_LOOCV		
0.34	0.25	0.33

Variance Inflation Factors

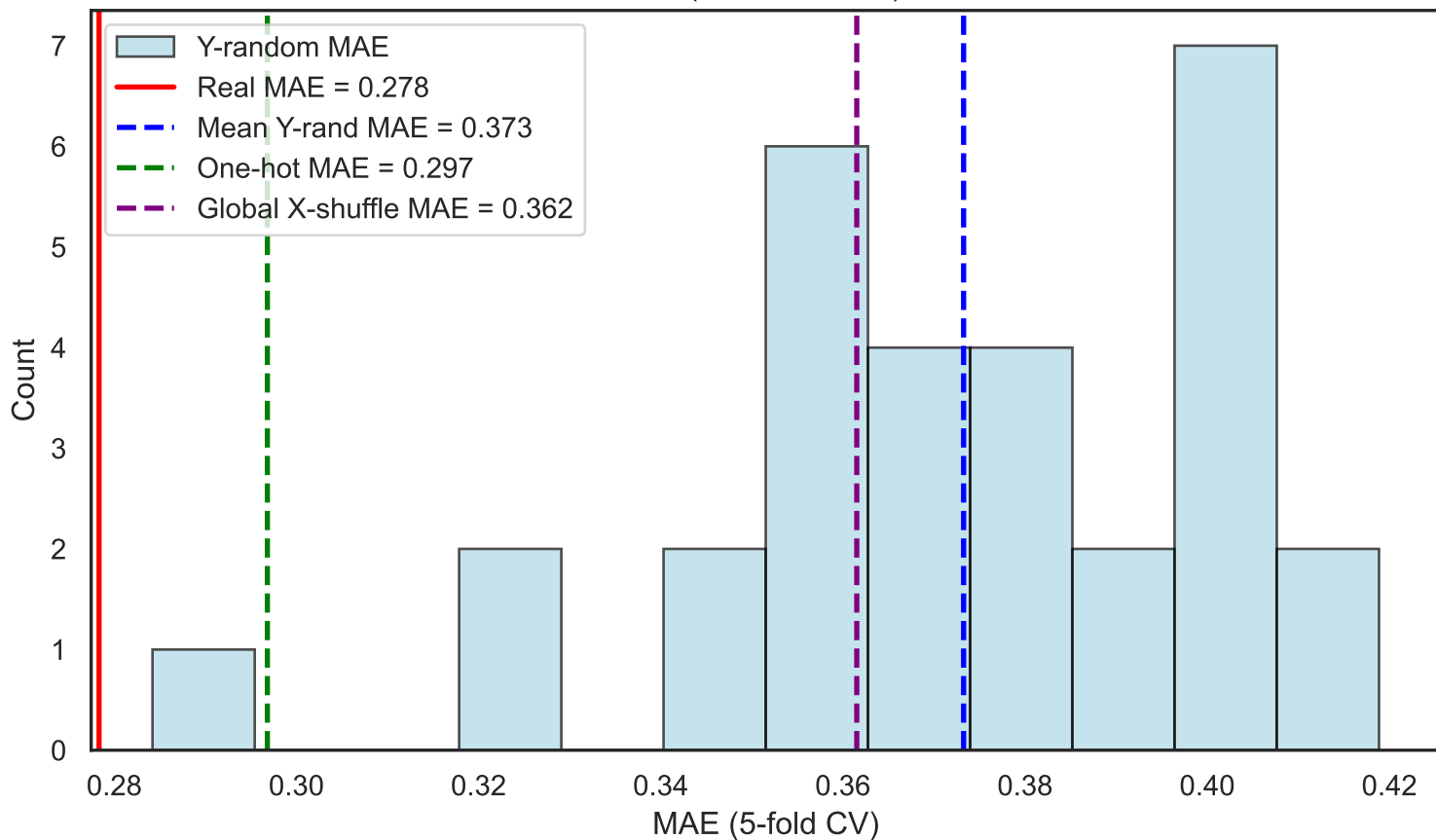
variable	VIF
total_dipole_6-11-4	1.38
dipole_z_6-11-4	1.33
Amplitude_Stretch_12_13	1.19

Coefficient Estimation

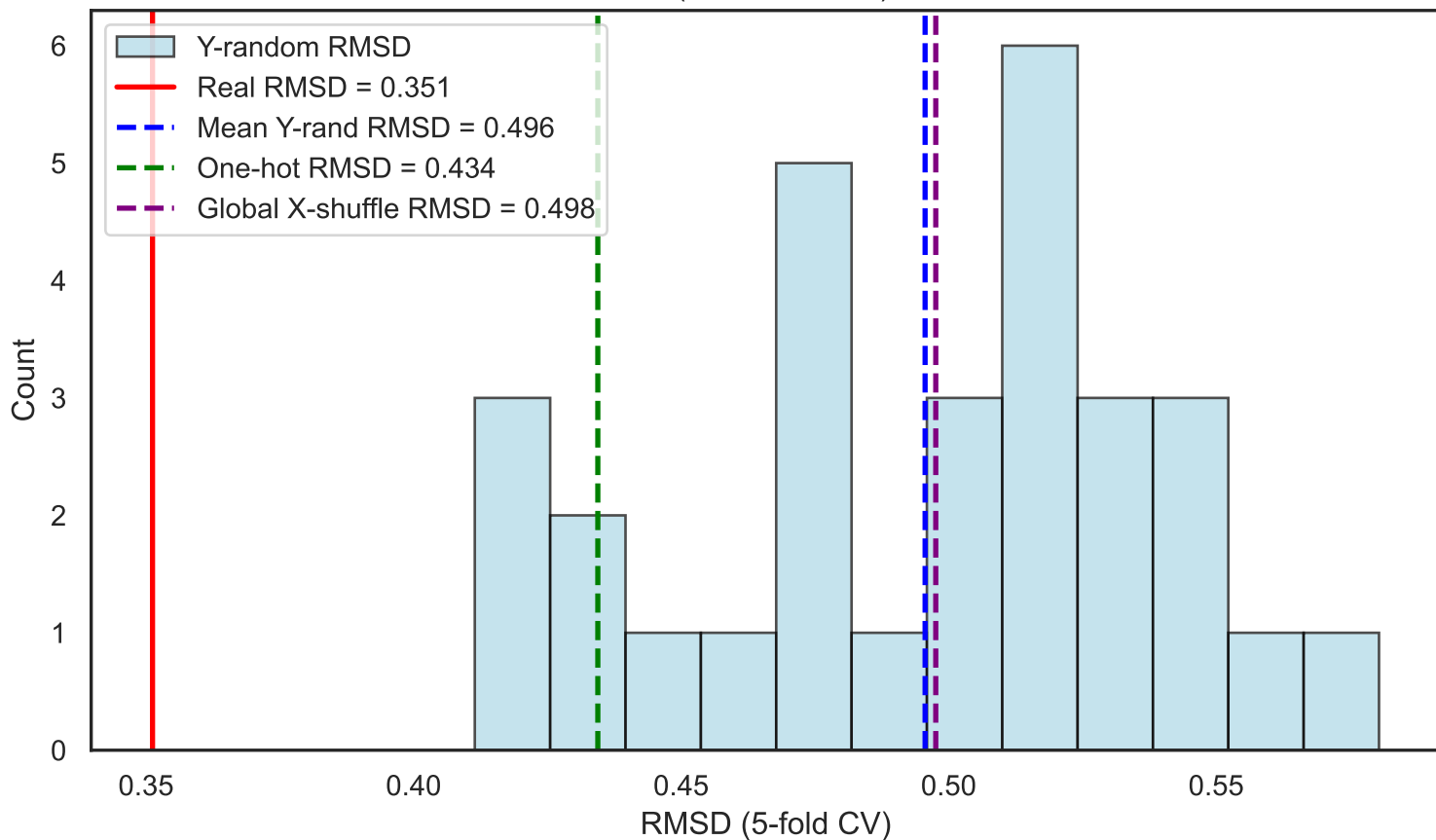
Essential	Std. Error	Estimate	t-value	p-value
-9.4	3.1	-2.4	-0.01	
10.3	3.1	3.2	0.00	
0.1	0.0	2.2	0.03	
-0.1	0.0	-2.4	0.05	

Left-out Predictions (none)

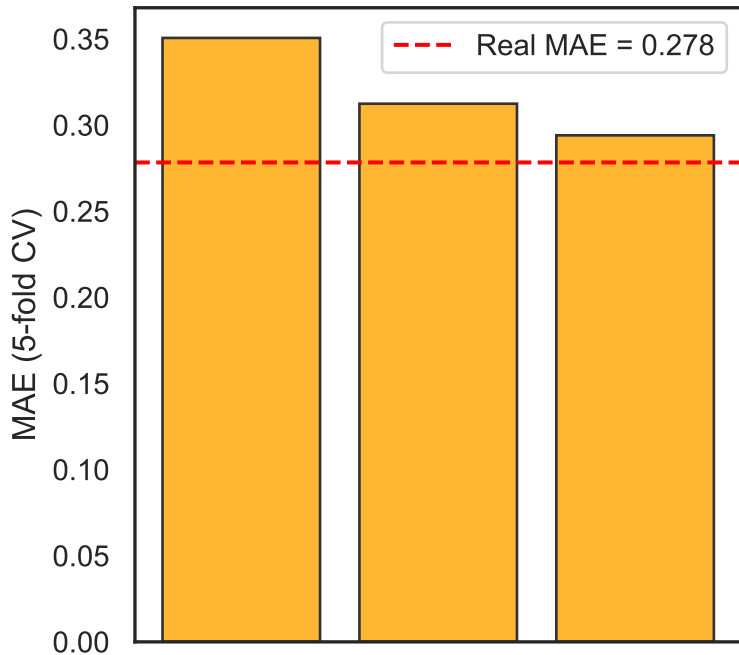
Validation (lower is better): MAE



Validation (lower is better): RMSD



Per-feature shuffle test: MAE (lower is better)

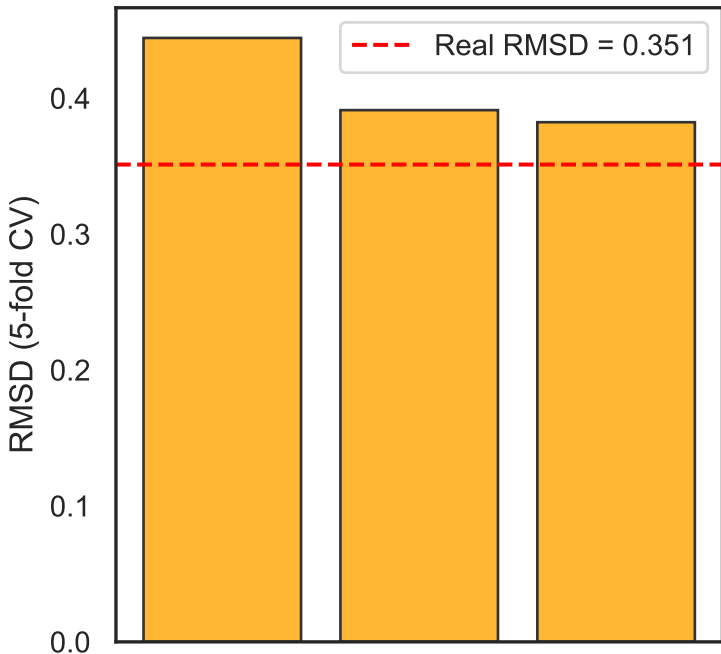


Amplitude_Stretch_12_13

dipole_z_6-11-4

total_dipole_6-11-4

Per-feature shuffle test: RMSD (lower is better)

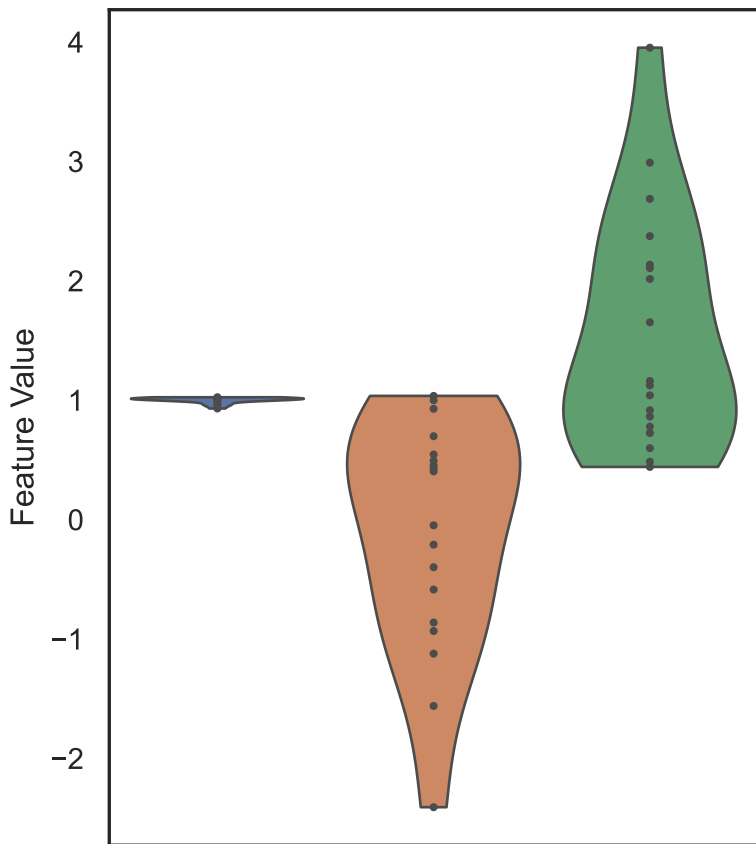


Amplitude_Stretch_12_13

dipole_z_6-11-4

total_dipole_6-11-4

Distribution of Selected Features



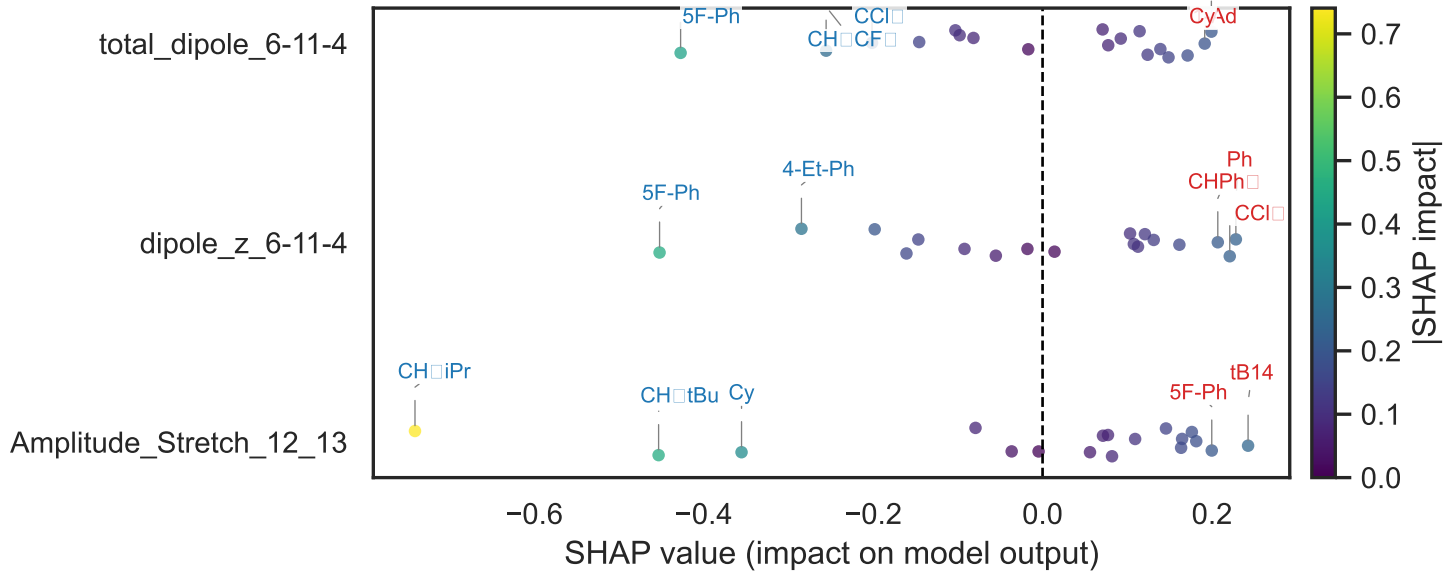
Amplitude_Stretch_12_13

dipole_z_6-11-4

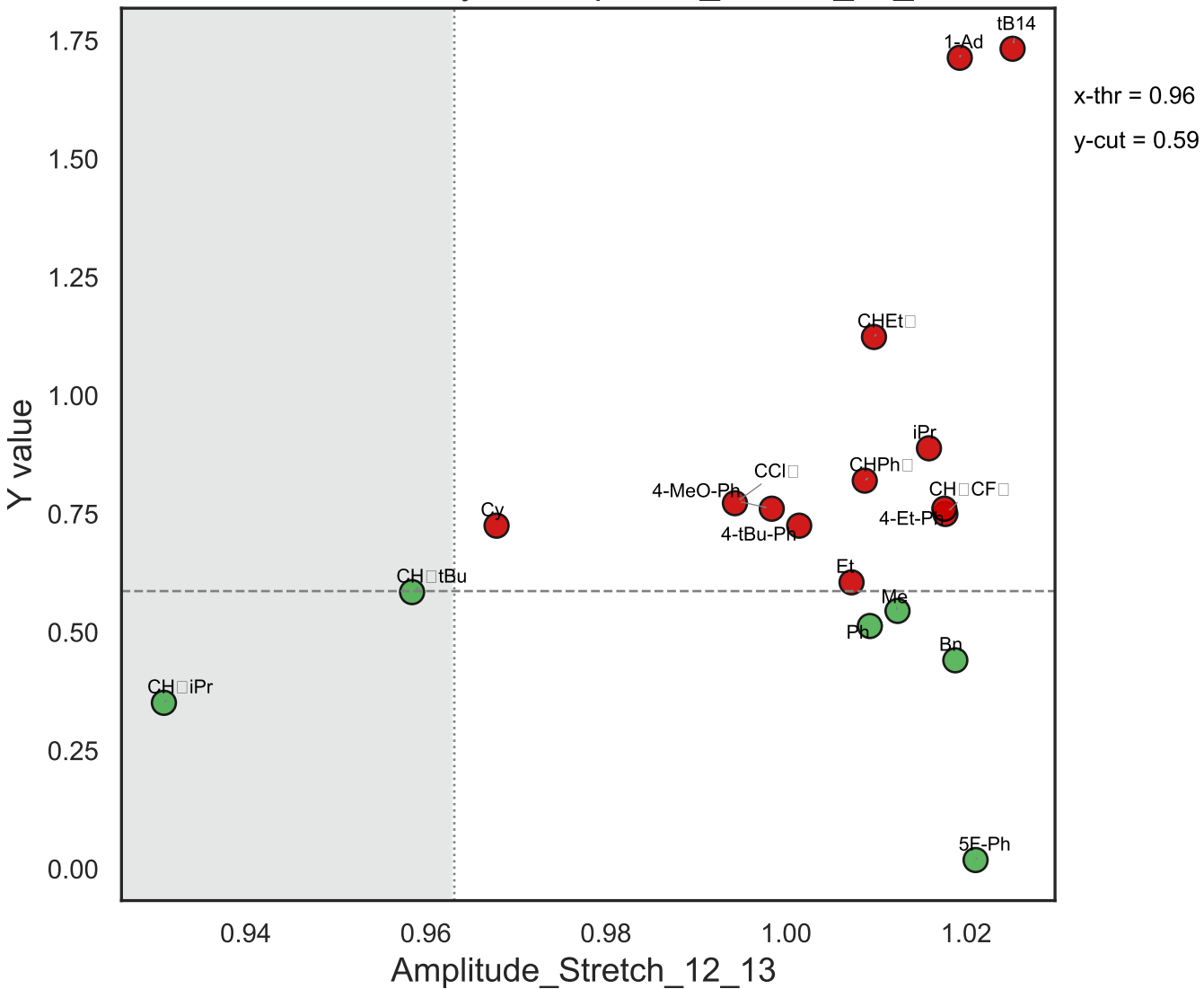
total_dipole_6-11-4

Feature

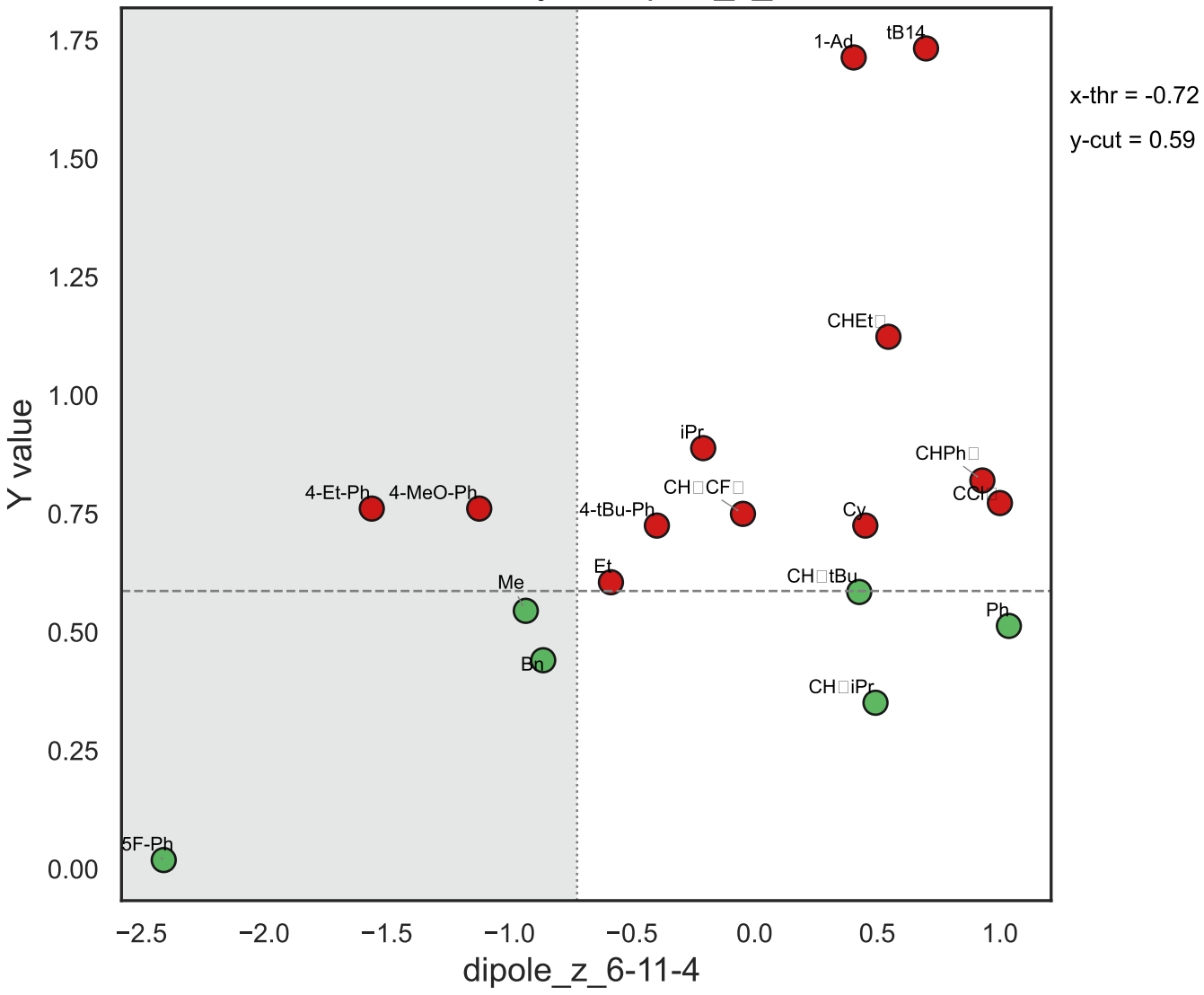
SHAP beeswarm — top 3 features (target)



Threshold analysis: Amplitude_Stretch_12_13



Threshold analysis: dipole_z_6-11-4



Threshold analysis: total_dipole_6-11-4

