

SHAP decision plot for GA338R in gene C1RL (Q9NZP8), GRCh38 12:7096843C>T, VKGL April 2024: VUS

SHAP values do not correlate with feature values, but instead capture feature contributions based on the interactions among all features uniquely for this prediction

Features affecting probability by >0%
in descending order of impact

Total energy increased by 16.3372

Global model base probability

Isoelectric point increased by 0.157782

Hydrophobicity decreased by -0.008419

Net electric charge at pH 7 increased by 0.999997

Ligand binding top SAS points is unchanged

DNA binding affinity pKd decreased by -0.0013

RNA binding affinity pKd decreased by -0.002326

DNA binding site binarized per residue is unchanged

RNA binding site binarized per residue is unchanged

Ligand binding pockets is unchanged

Protein binding site binarized per residue decreased by -2

Hydrophobic moment is unchanged

0.6 0.7 0.8 0.9
Cumulative probability heuristic for SHAP values
Final probability for being pathogenic is 0.96