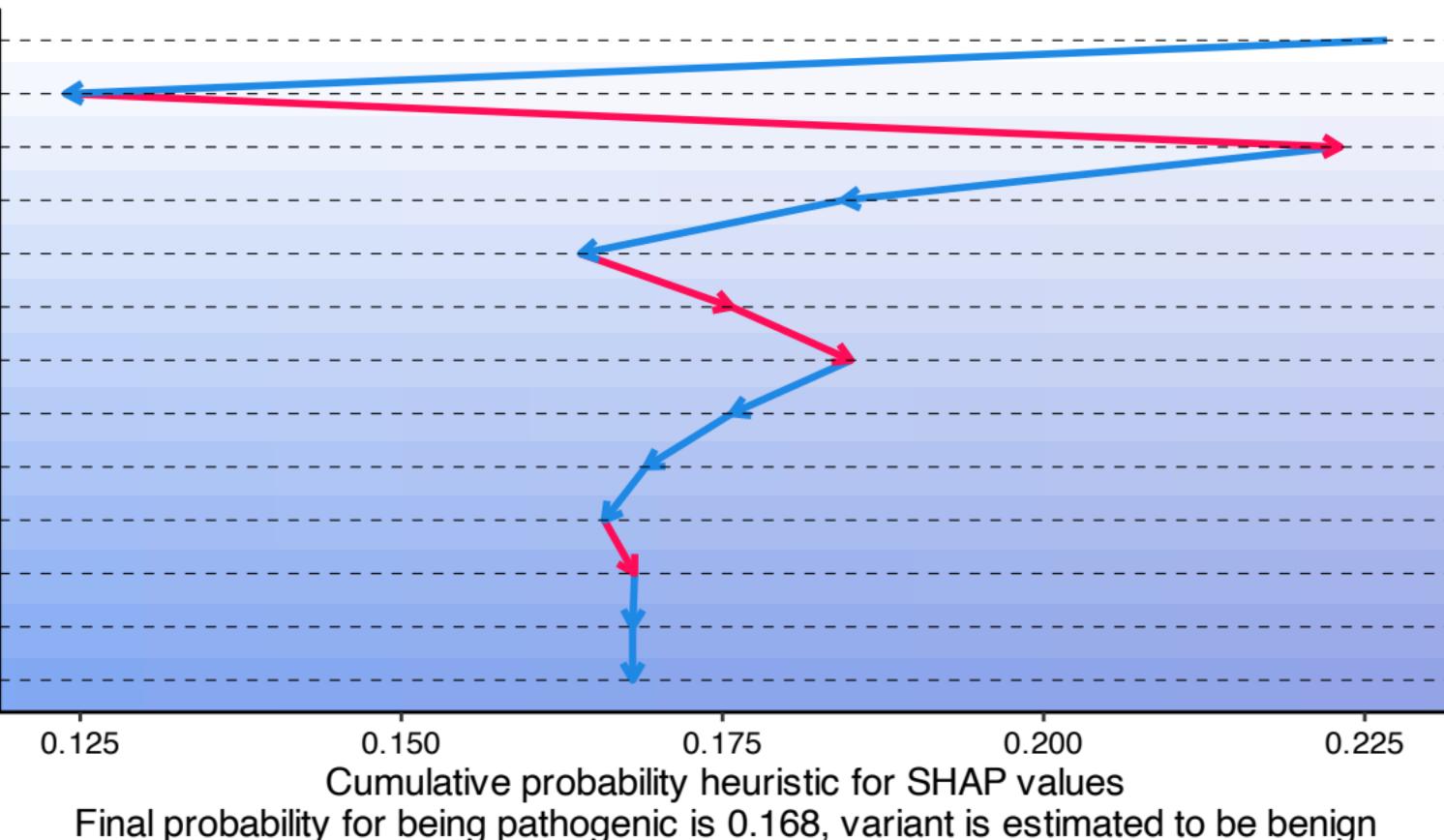


# DAVE1 decision plot for HA108Y in gene CP (P00450, ENST00000264613), GRCh38 3:149212523G>A

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

Feature contribution to probability of being pathogenic, in descending order

- Baseline probability for being pathogenic
- Net electric charge at pH 7 decreased by -0.09176 pKa
- Isoelectric point decreased by -0.049225 pH
- Protein binding site\* decreased by -1 residues
- RNA binding affinity decreased by -0.00013 pKd
- Folding energy  $\Delta G$  decreased by -0.599046 kJ/mol
- DNA binding site\* decreased by -1 residues
- RNA binding site\* is unaffected
- Hydrophobicity increased by 0.001784 GRAVY
- Ligand binding top pocket\*\* is unaffected
- DNA binding affinity decreased by -3e-04 pKd
- Hydrophobic moment is unaffected
- Ligand binding № pockets\* is unaffected



\* = if any, one or more   \*\* = if any