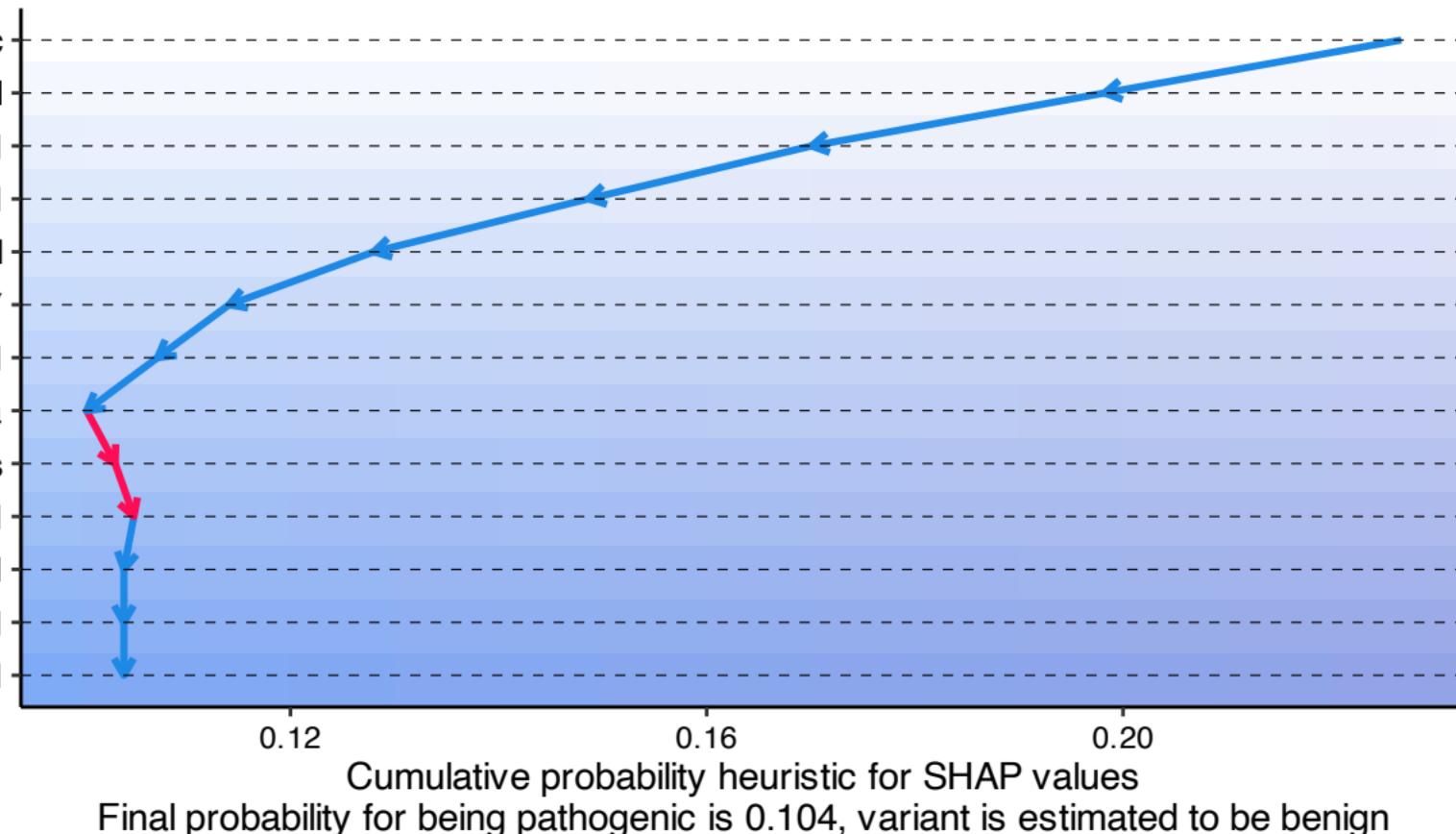


DAVE1 decision plot for PA443R in gene LIPC (P11150), GRCh38 15:58563663C>G, VKGL April 2024: VUS

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

- Feature contribution to probability of being pathogenic, in descending order
- Baseline probability for being pathogenic
 - Isoelectric point increased by 0.112297 pH
 - Protein binding site* is unaffected
 - DNA binding affinity decreased by -2e-04 pKd
 - Folding energy ΔG increased by 0.291798 kJ/mol
 - Hydrophobicity decreased by -0.005812 GRAVY
 - RNA binding site* is unaffected
 - Net electric charge at pH 7 increased by 0.999997 pKa
 - DNA binding site* increased by 2 residues
 - RNA binding affinity decreased by -0.0011 pKd
 - Hydrophobic moment is unaffected
 - Ligand binding № pockets* is unaffected
 - Ligand binding top pocket** is unaffected



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