Protein folding results for VKGL missense variants in the PTEN gene Based on VKGL public consensus release April 2023, FoldX 5.0, and AlphaFold2 human proteome v4 At a $\Delta\Delta G$ threshold of 1.67 the PPV is 100%, the sensitivity is 76%, the NPV is 33% and the specificity is 100% CA71Y 30 is free energy change ($\Delta\Delta G$) reference and variant protein CA136Y **VKGL** classification CA136R LB/B Difference in Gibbs free between GRCh37 refere GA132D LP/P PA95L **GA132V** DA24Y VUS GA165V **SA170R** LA325P LA152P FA241S FA200V WA274G MA35V IA2531 YA46C VA290G RA335G EA91G KA289F RA308H PA354T RA47G SA170C EA390D AA79S 0 100 200 300 400

Amino acid position within the protein alpha chain of PTEN