Protein folding results for VKGL missense variants in the SGSH gene Based on VKGL public consensus release April 2023, FoldX 5.0, and AlphaFold2 human proteome v4 At a $\Delta\Delta G$ threshold of 1.98 the PPV is 87%, the sensitivity is 81%, the NPV is 73% and the specificity is 80% GA122R (DVV) and variant protein change energy **VKGL** SA66W GA345R classification Difference in Gibbs free ene between GRCh37 reference LB/B RA245H RA182H LP/P GA191R VUS GA115V GA205V RA150Q **PA293S** GA200R VA220L WA436C RA74H AA30T RA55C RA74C PA170A TA165S RA441Q . EA369K RA117L DA273N SA298P 100 200 300 400 Amino acid position within the protein alpha chain of SGSH