Protein folding results for VKGL missense variants in the FGFR2 gene Based on VKGL public consensus release April 2023, FoldX 5.0, and AlphaFold2 human proteome v4 At a  $\Delta\Delta G$  threshold of 1.16 the PPV is 97%, the sensitivity is 64%, the NPV is 53% and the specificity is 95% CA342W (DVV) and variant protein CA278F CA342R change CA278Y energy **VKGL** CA342F classification reference LB/B Gibbs free LP/P VUS Difference in Gibb between GRCh37 **CA342S** GA183S GA493R WA290C LA692F LA617F YA105C EA565G AA648T EA565A AA498\ **GA182V** SA267PDA304G SA351C KA641R PA486A MA 186 RA664C **TA599S** QA200P PA802A 200 400 600 800 Amino acid position within the protein alpha chain of FGFR2