Naive mechanism for the effects of many **TSG**-associated SNVs **Loss-of-Function Affects**



Naive mechanism for the effects of many **oncogene**-associated SNVs **Gain-of-Function Affects**





Vogelstein, Bert, et al. "Cancer genome landscapes." Science (2013)

"Redundant" model: Counting the # of SNVs that intersect buried regions



"Non-Redundant" model: Counting the *# of buried residues* that intersect cancer-associated SNVs



Asymmetric Unit vs. Biological Assembly Ex PDB: 3GFT

Asymmetric

Bio Assembly





"Redundant" model: Counting - Biological Assembly Files the # of SNVs that intersect buried regions



"Non-Redundant" model: Counting – Biological Assembly Files the # of buried residues that intersect cancer-associated SNVs





Oncogenes

