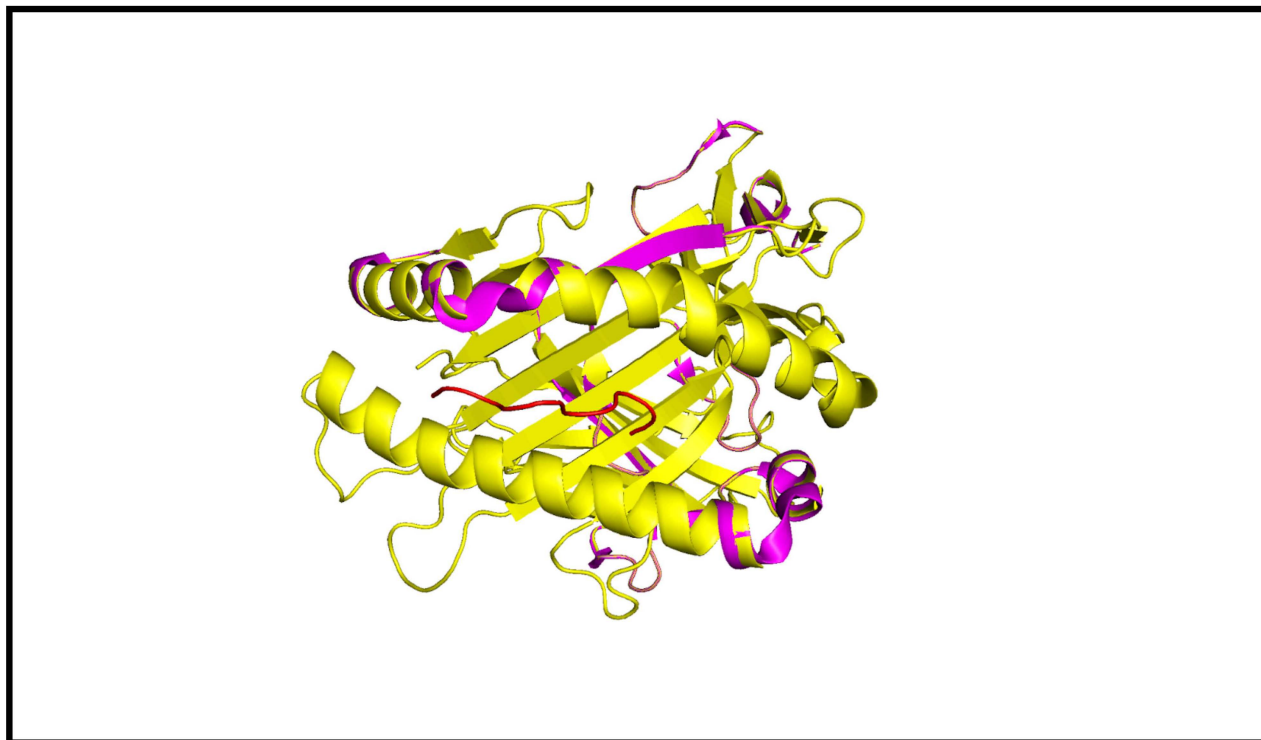
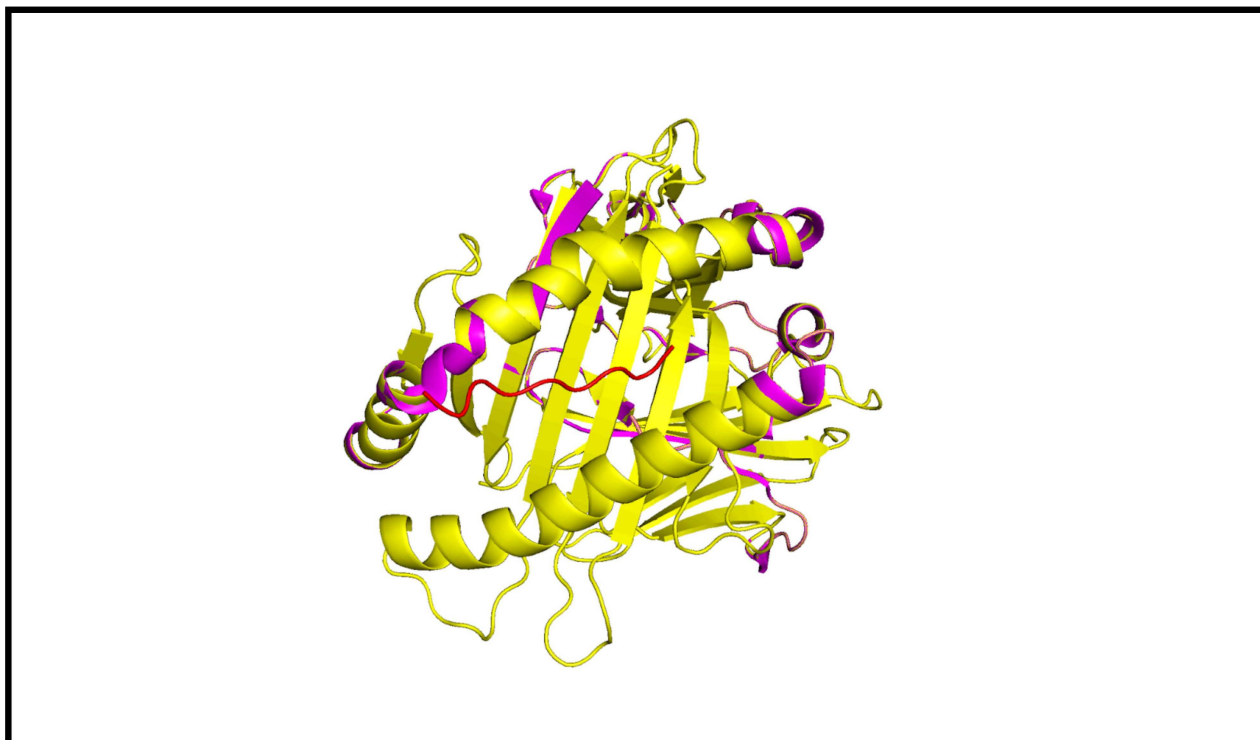


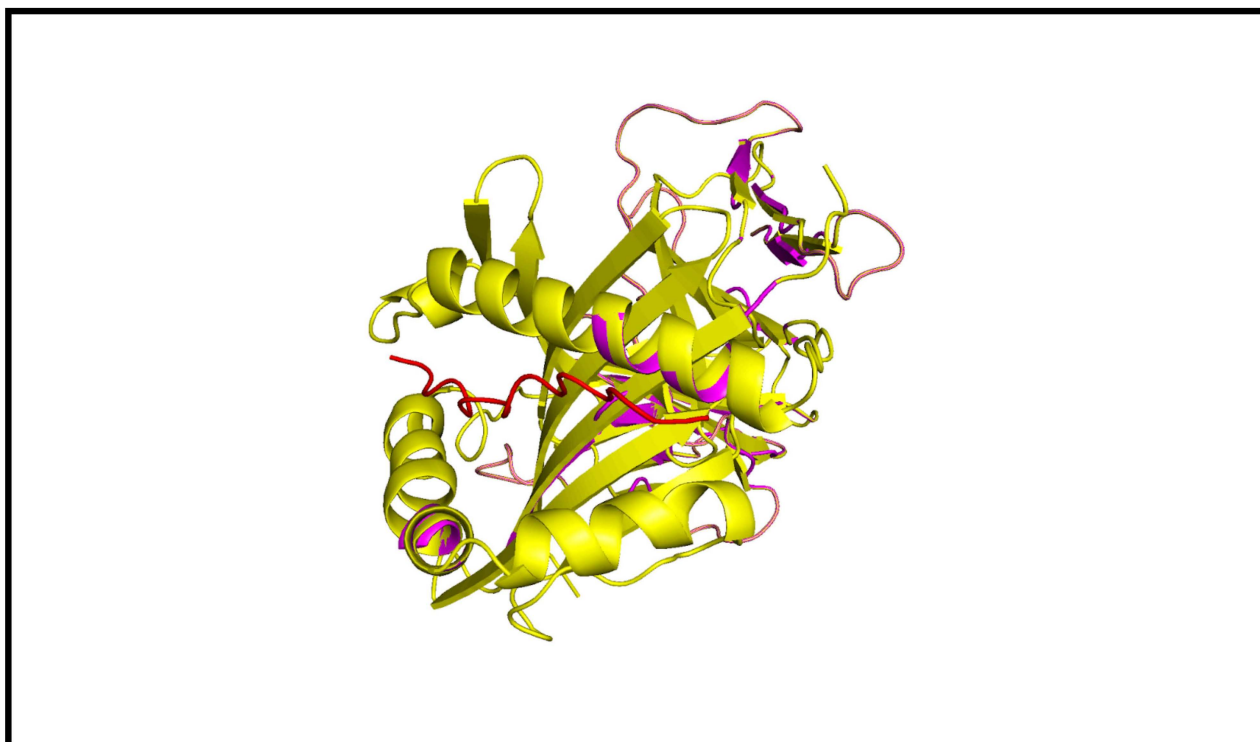
Supplementary Figures S1-S3 Superimposed images of our EHLA complexes with HLA molecules from the RCSB Protein Data Bank.



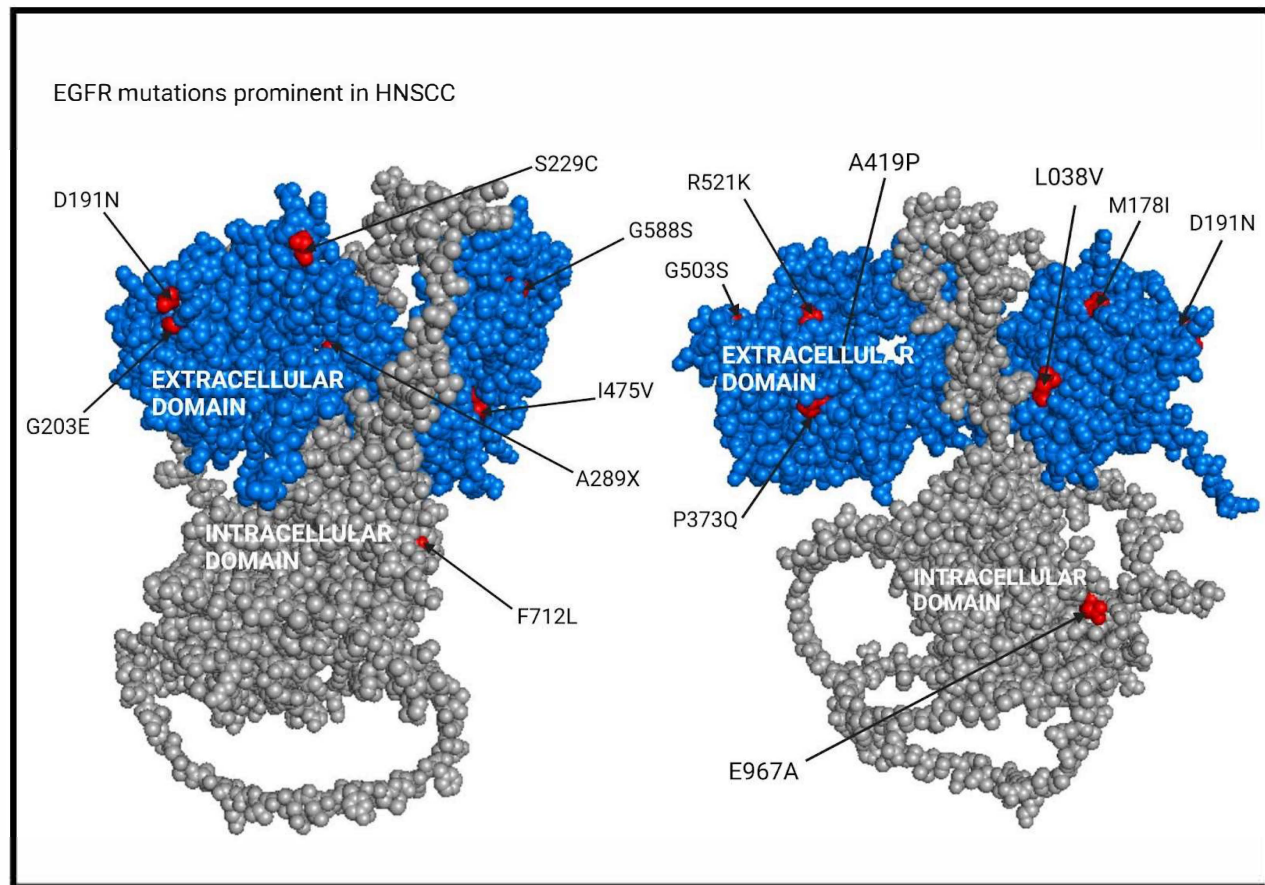
Supplementary Figure S1. VVMGENNTLV glioblastoma multiforme epitope binding to MHC Class I molecule HLA-A*02:06 superimposed with PDB ID: 3OXR (A).



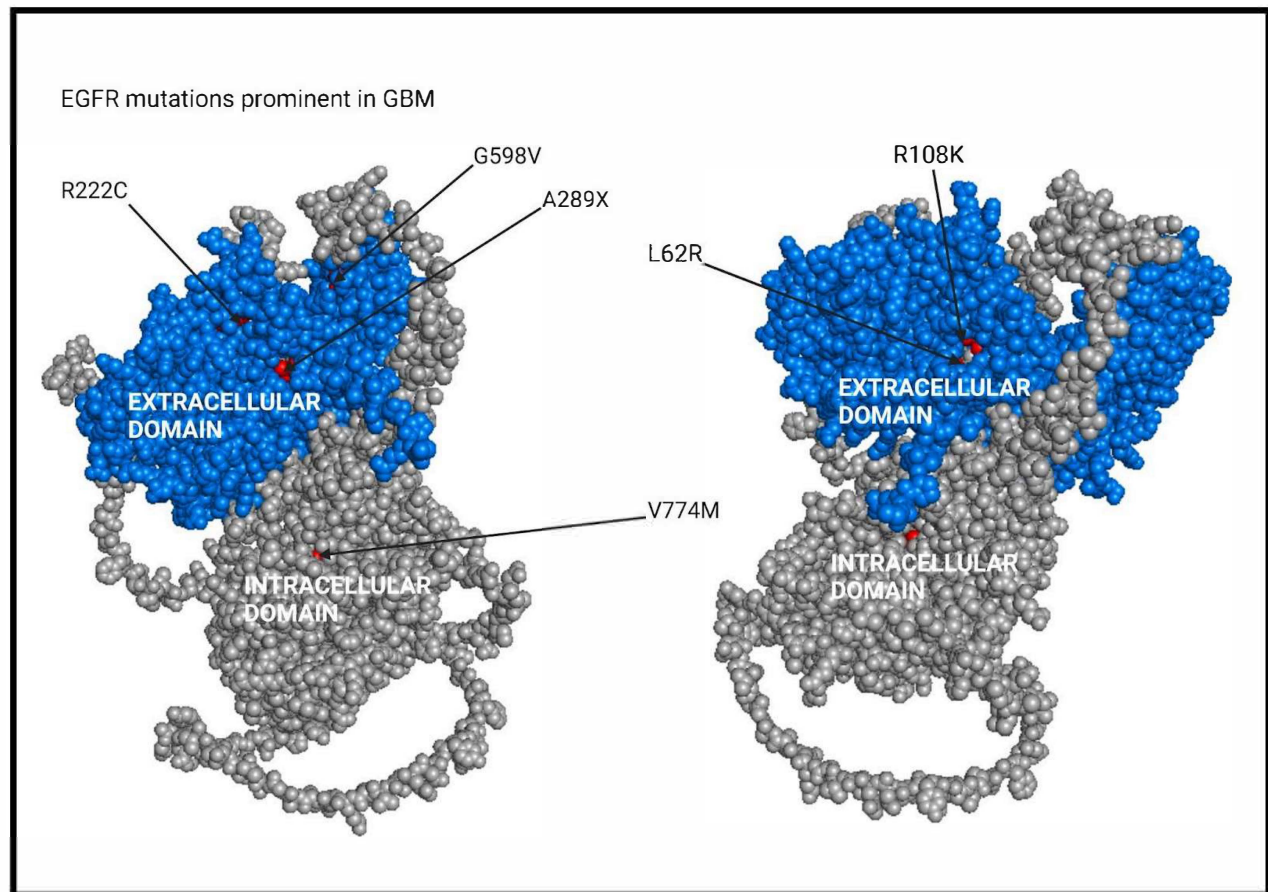
Supplementary Figure S2. ILKETELKK head and neck squamous cell carcinoma epitope binding to MHC Class I molecule HLA-A*03:01 superimposed with PDB ID: 7L1C, A chain.



Supplementary Figure S3. ILKKTEFKKIKVLGS colorectal adenocarcinoma epitope binding to MHC Class II molecule HLA-DRB1*04:01 superimposed to PDB: 5JLZ.

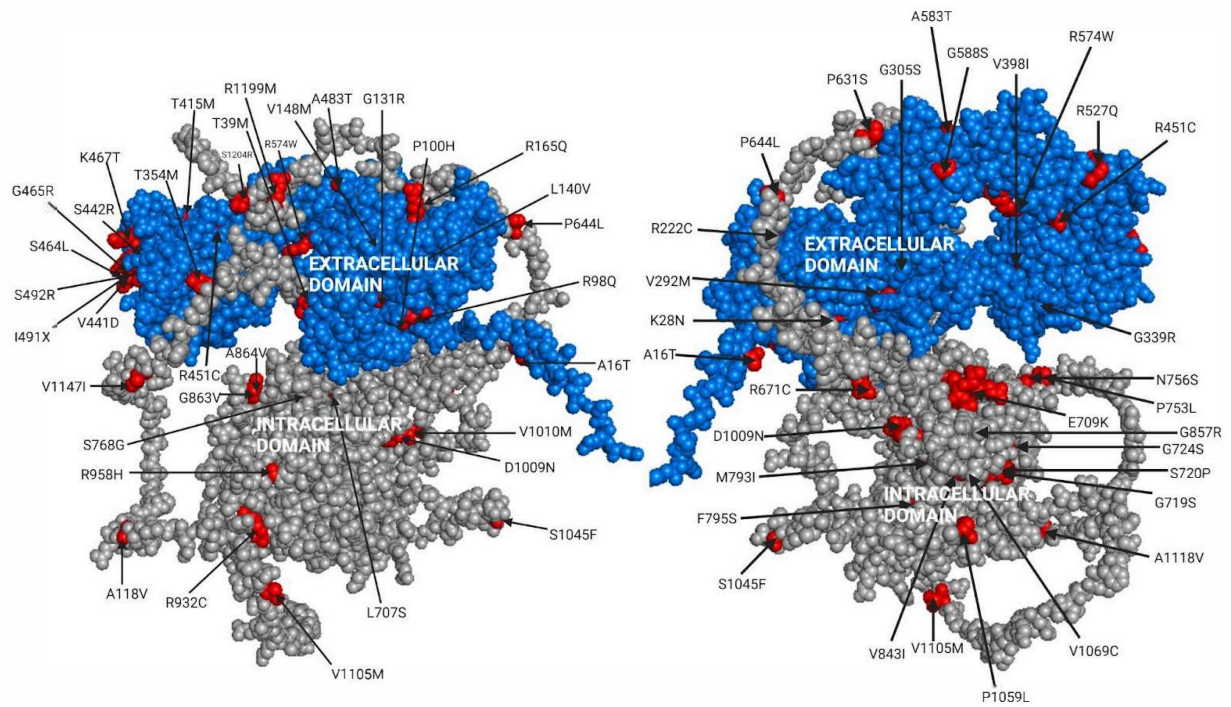


Supplementary Figure S4. EGFR modeling of mutations prominent in HNSCC. Created with <https://biorender.com>.



Supplementary Figure S5. EGFR modeling of mutations prominent in GBM. Created with <https://biorender.com>.

EGFR mutations prominent in CRAD



Supplementary Figure S6. EGFR modeling of mutations prominent in CRAD. Created with <https://biorender.com>.