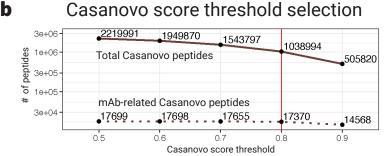


De novo peptides

Peptide spectra

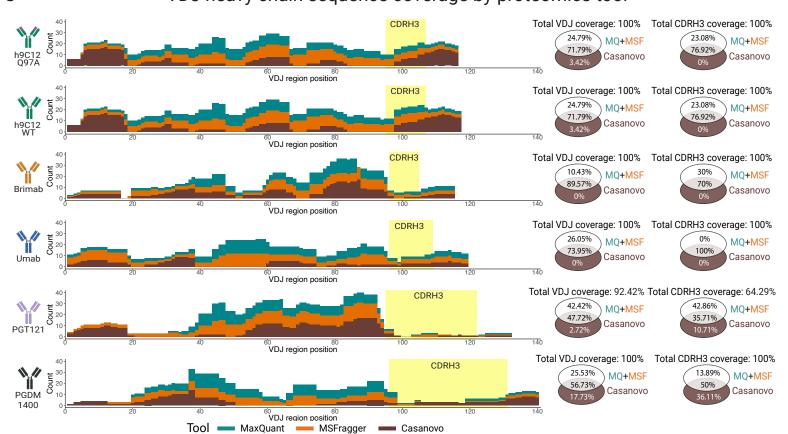
Assembly





QVQGLEFFQCARAYWTVS

V(D)J assembly



Template-based VDJ heavy chain assembly with Stitch

h9c12 WT HC: 64.8% identity; IMGT-labeled/Stitch-predicted V gene: IGHV3-33/IGHV4-31; IMGT-labeled/Stitch-predicted J gene: IGHJ1/IGHJ4

Umab HC: 88.2% identity; IMGT-labeled/Stitch-predicted V gene: IGHV5-51/IGHV5-51; IMGT-labeled/Stitch-predicted J gene: IGHJ4/IGHJ4

PGDM1400 HC: 61.6% identity; IMGT-labeled/Stitch-predicted V gene: IGHV1-2/IGHV1-18; IMGT-labeled/Stitch-predicted J gene: IGHJ1/IGHJ1