$$NF_j = \sum_{k \in \mathcal{P}_j} |\beta_k \times \bar{F}_k|$$

NF_j — Net Favorability for antibody residue j
(per-residue importance at the interface)

$\mathcal{P}_j$ — Set of all robust antigen–antibody contact pairs
involving residue j (selected in >50% of CV folds)

β_k — Elastic net coefficient for contact pair k

$\bar{F}_k$ — Mean contact frequency for pair k
(averaged across all replicas and frames)

Higher NF = more important at the binding interface | 26 antibody interface residues identified