Table S2. Complex and unbound antibody structures, and binding root mean square distance (RMSD) values.

| Complex PDB | Unbound PDB | Antibody interface RMSD (Å) | CDRH1 RMSD (Å) | CDRH2 RMSD (Å) | CDRH3 RMSD (Å) | CDRL1 RMSD (Å) | CDRL2 RMSD (Å) | CDRL3 RMSD (Å) |
|-------------|-------------|-----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 4tul        | 4tuo        | 0.94                        | 1.09           | 1              | 0.38           | 0.56           | 0.3            | 0.52           |
| 4xcf        | 4xcn        | 0.46                        | 0.58           | 0.47           | 0.73           | 0.22           | 0.38           | 0.35           |
| 4yo0        | 4yny        | 0.43                        | 0.35           | 1.13           | 0.46           | 0.21           | 0.19           | 0.57           |
| 3bkj        | 3bkmi       | 0.33                        | 0.32           | 0.32           | 0.45           | 0.28           | 0.19           | 0.24           |
| 4tqe        | 4tpr        | 1.58                        | 0.54           | 0.65           | 2.88           | 0.33           | 0.53           | 0.36           |
| 2v17        | 3Ito        | 0.29                        | 0.3            | 1.13           | 0.51           | 0.27           | 0.36           | 0.22           |
| 5mo3        | 5mvj        | 0.39                        | 0.33           | 0.36           | 0.46           | 0.35           | 0.88           | 0.27           |
| 3ggw        | 3c6s        | 0.24                        | 0.27           | 0.32           | 0.25           | 0.33           | 0.67           | 0.21           |
| 1pz5        | 1m7i        | 0.33                        | 0.26           | 0.29           | 0.34           | 0.27           | 0.3            | 0.31           |
| 3mnz        | 3mo1        | 0.97                        | 0.79           | 0.54           | 0.69           | 0.46           | 0.55           | 0.49           |
| 4o4y        | 4ma3        | 0.95                        | 0.81           | 0.83           | 0.7            | 0.39           | 0.33           | 0.7            |
| 4h0h        | 5vf2        | 0.3                         | 0.17           | 0.21           | 0.26           | 0.33           | 0.18           | 0.18           |
| 6dcw        | 6dcv        | 0.39                        | 0.24           | 0.34           | 0.34           | 0.4            | 0.3            | 0.18           |
| 3o6l        | 3o6k        | 0.44                        | 0.24           | 0.28           | 0.4            | 0.71           | 0.33           | 0.21           |
| 1a3r        | 1bbd        | 0.97                        | 0.84           | 1.02           | 1.77           | 0.45           | 0.48           | 0.34           |
| 2hrp        | 1mf2        | 0.8                         | 0.32           | 0.65           | 0.99           | 1.13           | 0.62           | 0.39           |
| 2ck0        | 1ck0        | 0.27                        | 0.19           | 0.18           | 0.31           | 0.24           | 0.21           | 0.2            |
| 4zto        | 4ztp        | 0.49                        | 0.66           | 0.57           | 0.29           | 0.15           | 0.29           | 0.46           |
| 5vzy        | 5vzx        | 0.68                        | 0.48           | 0.49           | 0.59           | 0.25           | 0.27           | 0.45           |
| 1n64        | 1nlb        | 0.41                        | 0.22           | 0.36           | 0.22           | 0.64           | 0.53           | 0.38           |
| 1p4b        | 1p4i        | 0.84                        | 0.59           | 0.69           | 1.73           | 0.32           | 0.48           | 0.8            |
| 5ijk        | 5ik3        | 1.87                        | 0.78           | 0.49           | 3.24           | 0.59           | 0.24           | 0.8            |
| 1kcs        | 1kcv        | 1.02                        | 0.33           | 0.41           | 1.97           | 0.29           | 0.34           | 0.88           |
| 1kc5        | 1kcu        | 0.38                        | 0.25           | 0.28           | 0.59           | 0.22           | 0.23           | 0.39           |
| 1hi6        | 1cfq        | 0.72                        | 0.6            | 0.51           | 0.39           | 0.37           | 0.72           | 0.42           |
| 2eh8        | 2eh7        | 1.83                        | 0.81           | 0.77           | 4.85           | 0.6            | 0.64           | 0.49           |
| 1f90        | 1fti        | 0.48                        | 0.24           | 0.22           | 0.54           | 0.58           | 0.3            | 0.25           |
| 4j03        | 4j04        | 1.21                        | 0.37           | 0.43           | 1.89           | 0.22           | 0.44           | 0.23           |
| 6wn4        | 6wl3        | 0.71                        | 0.43           | 0.85           | 0.78           | 0.28           | 0.77           | 0.48           |
| 2igf        | 1gfi        | 0.9                         | 0.58           | 0.55           | 0.88           | 1.47           | 0.63           | 0.58           |
| 1ggi        | 1gcc        | 1.71                        | 0.94           | 0.57           | 2.16           | 0.75           | 0.42           | 0.56           |
| 1cu4        | 1cr9        | 0.86                        | 0.91           | 0.62           | 2.02           | 0.42           | 0.38           | 0.25           |