**Supplementary file 5. Electrostatic Homotypic Interactions between B1E11K Fab A and Fab B**

|  |  |  |  |
| --- | --- | --- | --- |
| **Fab A Heavy** | **Fab A Kappa** | **Fab B Heavy** | **Fab B Kappa** |
| **R52\*** |  |  | **D60\* (FR)** |
| **H52A\*** |  |  | **D60\* (FR)** |
| **S55 [Og]** |  |  | **R54 [Nh1]** |
| **E56 [Oe]** |  |  | **R54 [N]** |
| **E56\*** |  |  | **R54\*** |
| **Y58 [Oh]** |  |  | **S53 [Og]** |
|  | **T29 [O]** | **Y32 [Oh]** |  |
|  | **R27 [Nh]** | **S31 [O]** |  |

The asterisk (\*) denotes a salt bridge. Atoms involved in hydrogen bonding interactions are shown in square brackets.