**Table S2** – Summary of interface analysis by QtPISA for Pikp-HMANK-KE/AVR-PikC (PDB entry 7A8W), Pikp-HMASNK-EKE/AVR-PikC (PDB entry 7QPX), and Pikp-HMASNK-EKE/AVR-PikF (PDB entry 7QZD). Protein chains used for the analysis in each complex (as defined in the PDB entries) are:PikpNK-KE:AVR-PikC (E and F); PikpSNK-EKE:AVR-PikC (E and F); PikpSNK-EKE:AVR-PikF (F and G).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **PikpNK-KE:AVR-PikC** | **PikpSNK-EKE:AVR-PikC** | **PikpSNK-EKE:AVR-PikF** |
| AVR-Pik | B.S.A. (Å) | 975.4 | 979.2 | 974.1 |
| % B.S.A. of total | 18.0 | 18.2 | 18.0 |
| HMA | B.S.A. (Å) | 1019.0 | 1047.0 | 1037.6 |
| % B.S.A. of total | 21.5 | 22.4 | 21.4 |
| Total interface area\* (Å) | | 997.2 | 1013.1 | 1005.9 |
| Solvation energy (kcal/mol) | | -5.2 | -3.2 | -2.4 |
| Binding energy (kcal/mol) | | -13.6 | -13.2 | -13.6 |
| Hydrophobic p-value | | 0.4969 | 0.5560 | 0.6137 |
| Hydrogen bonds | | 12 | 15 | 16 |
| Salt bridges | | 8 | 9 | 11 |
| Disulphide bonds | | 0 | 0 | 0 |

\*Total interface area is the total B.S.A. (Buried Surface Area) of each component divided by two.