**Additional file 4**

**Table S7** Probable interfacial residues of EBNA1 and uL11 explored through the dual docking protocols. The interacting residues of EBNA1 and uL11 binding sites are indicated.

|  |  |  |
| --- | --- | --- |
| **Protein** | **Docking servers** | **Interfacial residues in** |
| EBNA1 | ClusPro | Asp499, Glu500, Phe541, Gly542, Ala544, Leu554, Glu556, Val559, Cys560, Asp577, Ala578, Ile579, Asp601, Asp602, Asp605 |
| PatchDock/FireDock | Gly239, Gly241, Ala242, Gly243, Gly246, Ala247, Gly248, Gly249, Ala289, Gly309 |
| uL11 | ClusPro | Tyr14, Lys31, Ser76, Arg114, Gln115, Arg117, His118, Arg119, Leu121, Ala122, Arg123 |
| PatchDock/FireDock | Asp153, Asp154, Ser157, Gly158, Ala159, Val160, Glu161, Cys162 |

**Table S8** Predicted interfacial residues involved in hydrophobic and ionic interactions within the EBNA1-uL11 complex

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Hydrophobic Interactions** | | | | | | | | | |
| **Position** | **Residue** | **Chain** | | **Position** | | **Residue** | | **Chain** | |
| 558 | Ile | EBNA1 | | 14 | | Tyr | | uL11 | |
| 561 | Tyr | EBNA1 | | 12 | | Val | | uL11 | |
| 561 | Tyr | EBNA1 | | 14 | | Tyr | | uL11 | |
| 562 | Phe | EBNA1 | | 121 | | Leu | | uL11 | |
| 604 | Val | EBNA1 | | 13 | | Val | | uL11 | |
| **Ionic Interactions** | | | | | | | | | |
| **Position** | **Residue** | | **Chain** | | **Position** | | **Residue** | | **Chain** |
| 499 | Asp | | EBNA1 | | 119 | | Arg | | uL11 |
| 500 | Glu | | EBNA1 | | 119 | | Arg | | uL11 |
| 577 | Asp | | EBNA1 | | 114 | | Arg | | uL11 |
| 581 | Asp | | EBNA1 | | 118 | | His | | uL11 |
| 601 | Asp | | EBNA1 | | 117 | | Arg | | uL11 |
| 602 | Asp | | EBNA1 | | 117 | | Arg | | uL11 |
| 602 | Asp | | EBNA1 | | 31 | | Lys | | uL11 |
| 605 | Asp | | EBNA1 | | 31 | | Lys | | uL11 |