**Table S5. Homology of *Ae. albopictus* with other mosquito OBPs.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| OBP name | Phylogenetic Group | *Ae.aegypt* homolog | Protein identity | *Cx.quinquefasciatus* homolog | Protein identity | *An.gambiae* homolog | Protein identity |
| AalbOBP5  | Plus-C  | AaegOBP5 | 84%  |  |  |  |  |
| AalbOBP10 | GroupB | AaegOBP10 | 86%  | CquiOBP24 | 65% | AgamOBP10 | 44% |
| AalbOBP11  | GroupB | AaegOBP11 | 91%  | CquiOBP19 | 67% | AgamOBP25 | 50% |
| AalbOBP13  | GroupB | AaegOBP61  | 93%  | CquiOBP17 | 73% | AgamOBP67 | 68% |
| AalbOBP14 | GroupB | AaegOBP14  | 92%  | CquiOBP17 | 73% | AgamOBP67 | 68% |
| AalbOBP19  | GroupB | AaegOBP19  | 82% | CquiOBP52 | 34% |  |  |
| AalbOBP20  | PBPRP4 | AaegOBP20  | 91%  | CquiOBP14 | 74% | AgamOBP66 | 54% |
| AalbOBP21  | GroupB | AaegOBP21  | 89% | CquiOBP43 | 34% | AgamOBP9 | 38% |
| AalbOBP24  | Plus-C | AaegOBP24  | 95%  |  |   |   |  |
| AalbOBP25 | Plus-C | AaegOBP25 | 96% |  |  |  |  |
| AalbOBP37  | OS-E/OS-F | AaegOBP37 | 92% | CquiOBP4 | 56% |  |  |
| AalbOBP38  | OS-E/OS-F | AaegOBP38 | 98% | CquiOBP2 | 93% | AgamOBP3 | 92% |
| AalbOBP39 | OS-E/OS-F | AaegOBP39 | 98% | CquiOBP1 | 87% | AgamOBP1 | 82% |
| AalbOBP42 | Plus-C | AaegOBP42 | 97% |  |  |  |  |
| AalbOBP43 | Plus-C | AaegOBP43 | 90% |  |  |  |  |
| AalbOBP55 | OBP19a | AaegOBP55  | 92% | CquiOBP11 | 68% | AgamOBP20 | 63% |
| AalbOBP56 | OS-E/OS-F | AaegOBP56 | 95% | CquiOBP1 | 88% | AgamOBP1 | 82% |
| AalbOBP59  | PBPRP4 | AaegOBP59 | 90% | CquiOBP14 | 72% | AgamOBP66 | 54% |
| AalbOBP61 | GroupB | AaegOBP61  | 93% | CquiOBP17 | 73% | AgamOBP67 | 68% |
| AalbOBP62  | Plus-C | AaegOBP62 | 90% |  |  |  |  |
| AalbOBP63 | Plus-C | AaegOBP63 | 97% |  |  |  |  |