Table S9. Percent identity matrix of the catalytic triad H51, D75 and S135 plus 5 adjacent residues for DENV and ZIKV

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| --- |
| H51 and 5 adjacent residues (consensus sequence: FHTMWHVTRGA) |
|   | DENV1 | DENV2 | DENV3 | DENV4 | ZIKV |
| DENV1 | 90.90-100 |   |   |   |   |
| DENV2 | 90.90-100 | 90.90-100 |   |   |   |
| DENV3 | 90.90-100 | 90.90-100 | 100 |   |   |
| DENV4 | 90.90-100 | 90.90-100 | 90.90 | 100 |   |
| ZIKV | 81.81-90.91 | 81.81-100 | 81.81-90.90 | 81.81-90.90 | 90.90-100 |
|   |   |   |   |   |   |
| D75 and 5 adjacent residues (Consensus sequence: ADVKKDLISYG) |
|   | DENV1 | DENV2 | DENV3 | DENV4 | ZIKV |
| DENV1 | 90.90-100 |   |   |   |   |
| DENV2 | 72.72-90.90 | 90.90-100 |   |   |   |
| DENV3 | 90.90-100 | 81.81-90.90 | 100 |   |   |
| DENV4 | 54.54-63.63 | 72.72-81.81 | 63.63 | 90.90-100 |   |
| ZIKV | 54.54-63.63 | 54.54-63.63 | 54.54 | 45.45 | 100 |
|   |   |   |   |   |   |
| H135 and 5 adjacent residues (Consensus sequence: FKPGTSGSPIV) |
|   | DENV1 | DENV2 | DENV3 | DENV4 | ZIKV |
| DENV1 | 90.90-100 |   |   |   |   |
| DENV2 | 81.81-90.90 | 81.81-100 |   |   |   |
| DENV3 | 90.90 | 81.81-90.90 | 100 |   |   |
| DENV4 | 90.90-100 | 81.81-90.90 | 90.90-100 | 90.90-100 |   |
| ZIKV | 54.55-72.72 | 54.54-63.63 | 54.55-63.64 | 54.54-63.63 | 90.90-100 |