```
9M6 (Liverpool)    1:MVLLDLLVVLIPIVSYLLYRWAVATYDFFEKRKIPYVKPYPFVGGLWPVFSGKLHPTDAA 60
9M6v1 (SP)         1:------------------------------------------------------------ 60
9M6v2 (SP)         1:------------------------------------------------------------ 60
9M6v3 (SMK)        1:------------------------------------------------------------ 60
9M6v4 (SMK)        1:------------------------------------------------------------ 60
9M6v5 (SMK)        1:------------------------------------------------------------ 60


9M6 (Liverpool)   61:VLGYNLFPENRFSGFFAFRRPGYLIHDPALAKQIMIKDFDHFTDHMNTISVDVDPIFGRA 120
9M6v1 (SP)        61:------------------------------------------------------------ 120
9M6v2 (SP)        61:------------------------------------------------------------ 120
9M6v3 (SMK)       61:-------------------------------------T---------------------- 120
9M6v4 (SMK)       61:------------------------------------------------------------ 120
9M6v5 (SMK)       61:------------------------------------------------------------ 120


9M6 (Liverpool)  121:LFFMDGQRWRHGRSGLSPAFTGSKMRNMFTLLSKYVEGAMQRLAQDAGQGKMELEIRDLF 180
9M6v1 (SP)       121:-----------------------------------------------------R---V---- 180
9M6v2 (SP)       121:------------------------------------------------------------ 180
9M6v3 (SMK)      121:------------------------------------------------------------ 180
9M6v4 (SMK)      121:------------------------------------------------------------ 180
9M6v5 (SMK)      121:------------------------------------------------------------ 180


9M6 (Liverpool)  181:QKLGNDIITSISFGVEIDSVHNPNNEFFKRGKQLAATGGFQGLKFFFSLVVPDSVFKLFG 240
9M6v1 (SP)       181:------------------------------------------------------------ 240
9M6v2 (SP)       181:------------------------------------------------------------ 240
9M6v3 (SMK)      181:------------------------------------------------------------ 240
9M6v4 (SMK)      181:------------------------------------------------------------ 240
9M6v5 (SMK)      181:------------------------------------------------------------ 240


9M6 (Liverpool)  241:IRFLPKEAADFYVDVVSKTIKHREEYKIVRPDFIHLFVQARKNELKEETADDELKSAGFT 300
9M6v1 (SP)       241:------------------------------------------------------------ 300
9M6v2 (SP)       241:------------------------------------------------------------ 300
9M6v3 (SMK)      241:------------------------------------------------------------ 300
9M6v4 (SMK)      241:------------------------------------------------------------ 300
9M6v5 (SMK)      241:------------------------------------------------------------ 300


9M6 (Liverpool)  301:TVEEHIEASTENSQYTDLDITAVAASFFFGGIETTTTMLCFALYELAGNKEVQQKLQAEI 360
9M6v1 (SP)       301:------------------------------------------------------------ 360
9M6v2 (SP)       301:--------------------------------------------E--------------- 360
9M6v3 (SMK)      301:------------------------------------------------------------ 360
9M6v4 (SMK)      301:------------------------------------------------------------ 360
9M6v5 (SMK)      301:------------------------------------------------------------ 360


9M6 (Liverpool)  361:DSVRKELGGGSLTYEVLQKMKYLDMVVTETLRRWPPLGITNRVCVKPYTFEDHEGTKVTI 420
9M6v1 (SP)       361:--------E--------------------------------------------------- 420
9M6v2 (SP)       361:--------ED---M--------------------------------------------- 420
9M6v3 (SMK)      361:--------E--------------------------------------------------- 420
9M6v4 (SMK)      361:------------------------------------------------------------ 420
9M6v5 (SMK)      361:--------E--------------------------------------------------- 420
```

```
9M6 (Liverpool)  421:EKGQLIQIPVQSFHRDPSFFPDPYRFDPERFSEENKHKINQDAFLPFGSGPRNCIGSRLA 480
9M6v1 (SP)       421:-----------------N------------------------------------------ 480
9M6v2 (SP)       421:-----------------N------------------------------------------ 480
9M6v3 (SMK)      421:-----------------N------------------------------------------ 480
9M6v4 (SMK)      421:------------------------------------------------------------ 480
9M6v5 (SMK)      421:-----------------N----------------------------------------*   473


9M6 (Liverpool)  481:LMQAKCLLYYLFSAFSLEYSDKMDVPIKLNKMSLTYTAKNGFWFNLLPKKVAV*        533
9M6v1 (SP)       481:-------------------------------------------------*            533
9M6v2 (SP)       481:----------------------------------------------V--R---*        533
9M6v3 (SMK)      481:----------------------------------------------V--R---*        533
9M6v4 (SMK)      481:-------------------------------------------------*            533
9M6v5 (SMK)      473:                                                              473
```

Figure S4 Multiple alignments of CYP9M6 amino acid sequences identified from Liverpool, SP, and SMK strains of *Aedes aegypti*. Hyphens indicate identical amino acids to the sequence of Liverpool strain which was used for the genome project. Asterisks indicate stop codons.