**S5 Table. Evidence for positive and negative selection in the prM and Env genes (668 amino acids) of Murray Valley encephalitis using six different methods implemented in the DataMonkey server of the HyPhy software package.**

|  |  |
| --- | --- |
| Selection Method | Selection |
| Positive | Negative |
| SLACa | 0 | 82 |
| FELa | 1 | 159 |
| IFELa | 1 | 115 |
| RELb | 1 | 9 |
| FUBARc | 1 | 499 |
| MEMEd | 1 | NA |

aNumber of sites where *P*< 0.05.

bNumber of sites where Bayes factor >100.

cNumber of sites where posterior probability (β>α) >0.9.

dNumber of sites where *P*<0.01.