**S4 Table. Comparison of model fits for insertions, deletions and additional explanatory variables.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Model parameters | k | ΔAICc | logLik | Chisq | p-value |
| Insertions | 4 | 0 | -67.6 | 19.8793 | 0.00000031 |
| Insertions+site+distance from PAM | 9 | 6.7 | -65.9 | 3.338 | 0.648 |
| None | 3 | 19.7 | -78.4 |  |  |
| Deletions | 4 | 19.9 | -77.5 | 1.845 | 0.1743 |