**Table S2.** Alkaike Information Criterion (AIC) values for Malayan tapir MHC genes alignments with other species for phylogenetic analysis model selection. Model with lowest AIC value was selected for phylogenetic construction. lnL = log-Likelihood value

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Exon 2 | Exon 3  | DQA  | DQB  | DRA  | DRB  | Alpha domain (DRA and DQA)  | Beta domain (DRB and DQB)  |
| **Model name** | **AIC (lnL)** | **AIC (lnL)** | **AIC (lnL)** | **AIC (lnL)** | **AIC (lnL)** | **AIC (lnL)** | **AIC (lnL)** | **AIC (lnL)** |
| JC: Jukes-Cantor (model 1) | 2460.3 (-1230.2) | 2300.2 (-1150.1) | 3050.4 (-1525.2) | 2134.2 (-1067.1) | 988.2 (-494.1) | 3604.0 (-1802.0) | 2420.9 (-1210.4) | 4335.0 (-2167.5) |
| JC: Jukes-Cantor plus Gamma (model 3) | 2407.5 (-1202.8) | 2221.4 (-1109.7) | 3003.9 (-1500.9) | 2076.5 (-1037.3) | 983.0 (-490.5) | 3481.5 (-1739.7) | 2362.6 (-1180.3) | 4150.8 (-2074.4) |
| F81: Felsenstein 1981 (model 5) | 2448.3 (-1221.2) | 2281.2 (-1137.6) | 3055.3 (-1524.7) | 2116.6 (-1055.3) | 1008.4 (-501.2) | 3597.7 (-1795.9) | 2435.8 (-1214.9) | 4325.7 (-2159.9) |
| F81: Felsenstein 1981 plus Gamma (model 7) | 2392.1 (-1192.1) | 2198.6 (-1095.3) | 30 09.5 (-1500.7) | 2054.2 (-1023.1) | 1003.6 (-497.8) | 3477.7 (-1734.8) | 2380.9 (-1186.4) | 4140.7 (-2066.3) |
| K80: Kimura 2-parameter (model 9) | 2438.3 (-1218.2) | 2296.8 (-1147.4) | 2982.8 (-1490.4) | 2131.3 (-1064.7) | 983.5 (-490.8) | 3600.0 (-1799.0) | 2383.0 (-1190.5) | 4328.9 (-2163.4) |
| K80: Kimura 2-parameter plus Gamma (model 11) | 2382.4 (-1189.2) | 2217.8 (-1106.9) | 2932.2 (-1464.1) | 2073.3 (-1034.7) | 978.6 (-487.3) | 3476.7 (-1736.4) | 2318.3 (-1157.2) | 4144.3 (-2070.2) |
| HKY: Hasegawa-Kishino-Yano (model 13) | 2427.4 (-1209.7) | 2278.5 (-1135.3) | 2987.5 (-1489.7) | 2113.4 (-1052.7) | 1003.6 (-497.8) | 3594.7 (-1793.4) | 2398.2 (-1195.1) | 4319.9 (-2155.9) |
| HKY: Hasegawa-Kishino-Yano plus Gamma (model 15) | 2364.2 (-1177.1) | 2196.0 (-1093.0) | 2938.1 (-1464.0) | 2049.7 (-1019.8) | 998.8 (-494.4) | 3473.5 (-1731.7) | 2338.5 (-1164.3) | 4133.5 (-2061.7) |
| TrN: Tamura-Nei (model 21) | 2424.0 (-1207.0) | 2280.4 (-1135.2) | 2986.7 (-1488.3) | 2112.7 (-1051.4) | 993.9 (-491.9) | 3592.7 (-1791.4) | 2394.6 (-1192.3) | 4317.6 (-2153.8) |
| TrN: Tamura-Nei plus Gamma (model 23) | 2363.2 (-1175.6) | 2197.8 (-1092.9) | 2938.9 (-1463.4) | 2049.6 (-1018.8) | 990.3 (-489.1) | 3472.7(-1730.4) | 2336.6 (-1162.3) | 4132.0 (-2060.0) |
| GTR: General Time Reversible (model 53) | 2424.1 (-1204.1) | 2285.2 (-1134.6) | 2983.0 (-1483.5) | 2115.8 (-1049.9) | 985.7 (-484.8) | 3589.9 (-1786.9) | 2372.3 (-1178.2) | 4305.8 (-2144.9) |
| GTR: General Time Reversible plus Gamma (model 55) | 2358.7 (-1170.4) | 2200.5 (-1091.2) | 3050.4 (-1525.2) | 2052.3 (-1017.1) | 983.4 (-482.7) | 3467.5 (-1724.8) | 2323.0(-1152.5) | 4114.3 (-2048.2) |