**S4 Table.** **Mitochondrial DNA D-loop diversity based on a 263-bp fragment for the Siamese crocodile (*Crocodylus siamensis*) and Saltwater crocodile (*C. porosus*).** \*\*\* *P* < 0.001, \*\* *P* < 0.02, \* *P* < 0.01, and ns = not significant.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Species | Captivity/Wild | Sample size  | Number of haplotype  | Total number of mutation  | Haplotype diversity (*h*) | % Nucleotide diversity (π) | Tajima's *D* | Fu and Li *D\**  | Fu and Li *F\**  | Fu's *Fs*  |
| *Crocodylus siamensis* | # 1 | 6 | 6 | 9 | 1.000±0.096 | 0.012±0.002 | -1.020ns | -1.117ns | -1.181ns | -3.079\*\* |
|  | # 2 | 3 | 3 | 4 | 1.000±0.272 | 0.010±0.003 | - | - | - | -0.341ns |
|  | # 3 | 4 | 3 | 3 | 0.833±0.222 | 0.006±0.002 | -0.754ns | -0.754ns | -0.675ns | -0.288ns |
|  | # 4 | 4 | 4 | 57 | 1.000±0.177 | 0.108±0.048 | -0.868ns | -0.757ns | -0.827ns | 1.495ns |
|  | # 5 | 5 | 4 | 20 | 1.000±0.177 | 0.037±0.012 | -1.011\*\*\* | -0.854ns | -0.915ns | 0.314ns |
|  | # 6 | 4 | 3 | 6 | 0.833±0.222 | 0.011±0.004 | -0.809ns | -0.809ns | -0.777ns | 0.731ns |
|  | # 7 | 3 | 3 | 2 | 1.000±0.272 | 0.005±0.002 | - | - | - | -1.216ns |
|  | # 8 | 4 | 3 | 4 | 0.833±0.222 | 0.007±0.003 | -0.780ns | -0.780ns | -0.721ns | 0.134ns |
|  | # 9 | 4 | 3 | 3 | 0.833±0.222 | 0.006±0.002 | -0.754ns | -0.754ns | -0.675ns | -0.288ns |
|  | # 10 | 4 | 3 | 3 | 0.833±0.222 | 0.006±0.002 | -0.754ns | -0.754ns | -0.675ns | -0.288ns |
|  | # 11 | 3 | 3 | 46 | 1.000±0.272 | 0.115±0.032 | - | - | - | 2.292ns |
|  | # 12 | 4 | 4 | 31 | 1.000±0.177 | 0.060±0.029 | -0.760ns | -0.760ns | -0.799ns | 0.845ns |
|  | Wild # B | 5 | 5 | 8 | 1.000±0.126 | 0.012±0.003 | -1.174ns | -1.174ns | -1.230ns | -2.116ns |
| *Crocodylus porosus* | # 2 | 4 | 3 | 3 | 0.833±0.222 | 0.006±0.002 | -0.754ns | -0.754ns | -0.675ns | -0.288ns |
|  | # 3 | 4 | 4 | 4 | 0.833±0.222 | 0.008±0.003 | -0.780ns | -0.780ns | -0.720ns | 0.134ns |
|  | # 5 | 1 | - | - | - | - | - | - | - | - |
|  | # 6 | 4 | 4 | 8 | 1.000±0.177 | 0.015±0.003 | -0.824ns | -0.824ns | -0.811ns | -0.825ns |
|  | # 9 | 4 | 4 | 13 | 1.000±0.177 | 0.025±0.007 | -0.843ns | -0.843ns | -0.856ns | -0.187ns |