**Table S2** **MtDNA sequence diversity statistics.** Mitochondrial cytochrome b (*CYTB*) sample sizes (*N*, number of haplotypes sequenced), haplotype diversity (*h*), average number of pairwise differences (*k*), nucleotide diversity (*π*), Tajima’s *D*, Fu’s *Fs*, and Ramos-Onsins and Rozas’ *R2*. Standard deviations in parentheses. Boldface indicates statistically significant values. See Table 1 for sample locality abbreviations. NWP: Northwest Pacific; NEP: Northeast Pacific.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Locality** | **Region** | ***N*** | ***h*** | ***π*** | ***D*** | ***Fs*** | ***R2*** |
| VOS | NWP | 17 | 0.757 (0.071) | 0.004 (0.003) |  0.271 | -0.151 |  0.156 |
| ERI | NWP | 11 | 0.345 (0.172) | 0.002 (0.002) | **-1.791** |  0.401 |  0.231 |
| NEM | NWP | 14 | 0.275 (0.148) | 0.0007 (0.0008) | -1.481 | **-1.475** |  0.175 |
| UTO | NWP | 9 | 0.639 (0.126) | 0.006 (0.004) |  1.265 |  2.224 |  0.226 |
| KHO | NWP | 16 | 0.675 (0.062) | 0.003(0.002) |  0.788 |  1.313 |  0.192 |
| STA | NWP | 8 | 0.000 | 0.000 |  NA |  NA |  NA |
| PET | NWP | 16 | 0.325 (0.125) | 0.003 (0.002) |  0.245 |  3.430 |  0.163 |
| KOD | NEP | 9 | 0.000 | 0.000 |  NA |  NA |  NA |
| COR | NEP | 12 | 0.439 (0.158) | 0.001 (0.001) | -0.85 | -0.725 | 0.158 |
| JUN | NEP | 8 | 0.000 | 0.000 |  NA | NA | NA |
| RUP | NEP | 14 | 0.143 (0.119) | 0.0003 (0.0006) | -1.155 | -0.595 |  0.100 |
| CAM | NEP | 11 | 0.000 | 0.000 |  NA |  NA |  NA |
| REN | NEP | 6 | 0.000 | 0.000 |  NA |  NA |  NA |
| SJI | NEP | 6 | 0.000 | 0.000 |  NA |  NA |  NA |