**Supplementary Table 1:** Standard diversity indices for *Schistosoma turkestanicum* cox1 and ITS from different isolates**.** Where S, number of polymorphic sites; h, number of haplotypes; Hd, haplotype diversity; π, nucleotide diversity, k is the average number of pairwise differences

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Cox1** |  |  |  |  |  |  |  |
| **Geographical isolate** | **No Seq** | **G+C content** | **S** | **No h** | **Hd** | **π** | **k** |
| **All** | 75 | 0.333 | 57 | 50 | 0.978 (SD±0.007) | 0.00818 (SD±0.0006) | 6.42991 |
| **China** | 5 | 0.339 | 10 | 5 | 1 (SD±0.01600) | 0.00636 (SD±0.00132) | 5 |
| **Iran** | 5 | 0.337 | 4 | 4 | 0.9 (SD±0.0259) | 0.00229 (SD±0.00062) | 1.8 |
| **Hungary** | 65 | 0.332 | 45 | 41 | 0.971 (SD±0.009) | 0.00785 (SD±0.0006) | 6.1726 |
| **ITS** |  |  |  |  |  |  |  |
| **All** | 70 | 0.492 | 17 | 22 | 0.786 (SD±0.041) | 0.0023 (SD±0.00039) | 1.88249 |
| **China** | 4 | 0.492 | 1 | 2 | 0.500 (SD±0.265) | 0.00061 (SD±0.00032) | 0.5 |
| **Iran** | 1 | na | na | 1 | na | na | na |
| **Hungary** | 65 | 0.492 | 16 | 21 | 0.797 (SD±0.041) | 0.00239 (SD±0.00042) | 1.95897 |