|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna21 Ala (TGC) 114.6 bits** | **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna10 Arg (TCG) 89.4 bits** | **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna20 Asn (GTT) 99.9 bits** | **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna7 Asp (GTC) 96.1 bits** | **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna19 Cys (GCA) 83.0 bits** | |
| tRNA-Ala | tRNA-Arg | tRNA-Asn | tRNA-Asp | tRNA-Cys | |
| **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna22 Gln (TTG) 109.3 bits** | **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna16 Glu (TTC) 102.1 bits** | **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna9 Gly (TCC) 100.3 bits** | **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna11 His (GTG) 102.7 bits** | **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna4 Ile (GAT) 97.4 bits** | |
| tRNA-Gln | tRNA-Glu | tRNA-Gly | tRNA-His | tRNA-Ile | |
| **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna3 Leu (TAA) 101.6 bits** | **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna13 Leu (TAG) 122.7 bits** | **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna8 Lys (TTT) 104.4 bits** | **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna5 Met (CAT) 117.1 bits** | **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna1 Phe (GAA) 83.0 bits** | |
| tRNA-Leu | tRNA-Leu | tRNA-Lys | tRNA-Met | tRNA-Phe | |
| **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna15 Pro (TGG) 102.0 bits** | **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna12 Ser (GCT) 56.1 bits** | **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna17 Ser (TGA) 106.9 bits** | **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna14 Thr (TGT) 79.6 bits** | **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna6 Trp (TCA) 100.2 bits** | |
| tRNA-Pro | tRNA-Ser | tRNA-Ser | tRNA-Thr | tRNA-Trp | |
| **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna18 Tyr (GTA) 102.6 bits** | **tRNAscan-SE structure prediction for Oxyurichthys_microlepis.trna2 Val (TAC) 97.9 bits** |  |  | |  |
| tRNA-Tyr | tRNA-Val |  |  | |  |

**Fig S2.** Secondary structures of tRNAs of *Oxyurichthys microlepis* mitogenome.