**Table S5 Start and stop codons of protein-coding genes in *Peirates* mitochondrial genomes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Gene** | **Start codon** | | | | | **Stop codon** | | | | |
|  | **PF** | **PAY** | **PT** | **PA** | **PL** | **PF** | **PAY** | **PT** | **PA** | **PL** |
| *ND2* | ATG | ATG | ATG | ATG | ATG | TAA | TAA | TAA | TAA | TAA |
| *COI* | ATG | ATG | ATG | ATG | ATG | TAA | TAA | TAA | TAA | TAA |
| *COII* | ATC | ATC | ATC | ATC | ATC | T- | T- | T- | T- | T- |
| *ATP8* | ATA | ATA | ATA | **ATT** | **ATT** | TAA | TAA | TAA | TAA | TAA |
| *ATP6* | ATG | ATG | ATG | ATG | ATG | TAG | TAG | TAG | **TAA** | TAG |
| *COIII* | ATG | ATG | ATG | ATG | ATG | T- | T- | T- | T- | T- |
| *ND3* | ATT | ATT | ATT | ATT | ATT | T- | T- | T- | **TAA** | T- |
| *ND5* | ATT | ATT | ATT | ATT | ATT | T- | T- | T- | **TAA** | T- |
| *ND4* | ATG | ATG | ATG | ATG | ATG | TAA | TAA | TAA | TAA | TAA |
| *ND4L* | ATG | ATG | ATG | ATG | ATG | TAA | TAA | TAA | TAA | TAA |
| *ND6* | ATT | ATT | ATT | **ATA** | **ATC** | TAA | TAA | TAA | TAA | TAA |
| *CytB* | ATG | ATG | ATG | ATG | ATG | TAA | TAA | TAA | TAA | TAA |
| *ND1* | ATA | ATA | ATA | **ATG** | ATA | TAA | TAA | TAA | **TAG** | TAA |