**S2 Table. Primers used for DNA amplification.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Gen** | **Primer** | **Primer sequence** | **Authors** |
| 12S  12S  12S  12S  12S  12S | t-Phe-frog  t-Val-frog  tRNA-val  tPhe2-frog  MVZ59  MVZ50 | ATAGCRCTGAARAYGCTRAGATG  TGTAAGCGARAGGCTTTKGTTAAGCT  GGTGTAAGCGARAGGCTTTKGTTAAG  GCRCTGAARATGCTGAGATGARCCC  ATAGCACTGAAAAYGCTDAGATG  TCTCGGTGTAAGCGAGAGGCTT | Wiens et al. (2005)  Wiens et al. (2005)  Goebel et al. (1999)  Goebel et al. (1999)  Goebel et al. (1999)  Goebel et al. (1999) |
| 16S  16S  16S | 16Sbr-H  16SC-16L  16H47 | CCGGTCTGAACTCAGA TCACGT  GTRGGCCTAAAAGCAGCCAC  AAAGRGCTTAGRTCTTTYGCA | Palumbi et al. (1991)  Pauly et al. (2004)  Heinicke et al. (2007) |
| ND1  ND1  ND1  ND1 | WL384  WL379  16S-frog  tMet-frog | GAGATWGTTTGWGCAACTGCTCG  GCAATAATYATYTGAACMCC  TTACCCTRGGGATAACAGCGCAA  TTGGGGTATGGGCCCAAAAGCT | Moen and Wiens (2008)  Moen and Wiens (2008)  Wiens et al. (2005)  Wiens et al. (2005) |
| CO1  CO1 | LCO1490  dgHCO2198 | GGTCAACAAATCATAAAGATATTGG  TAAACTTCAGGGTGACCAAAR | Folmer et al. (1994)  Folmer et al. (1994) |
| POMC  POMC  POMC  POMC | POMC1  POMC2  POMC3  POMC4 | GAATGTATYAAAGMMTGCAAGATGGWCCT  TAYTGRCCCTTYTTGTGGGCRTT  TCTGCMGARTCWCCYGTGTTTCC  TGGCA TTYTTGAAAAGAGTCA T | Wiens et al. (2005)  Wiens et al. (2005)  Wiens et al. (2005)  Wiens et al. (2005) |
| BDNF  BDNF | BDNFAmp-F1  BDNFAmp-R1 | ACCATCCTTTTCCTKACTATGG  CTATCTTCCCCTTTTAATGGTC | Santos and Cannatella (2011)  Santos and Cannatella (2011) |
| RAG1  RAG1 | R1-GFF  R1-GFR | GAGAAGTCTACAAAAAVGGCAAAG  GAAGCGCCTGAACAGTTTATTAC | Faivovich et al. (2005)  Faivovich et al. (2005) |

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