**Supplementary file 3.**

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| Target | Primer sequence (5'–3') | | Amplicon (bp) |
| *Erpetoichthys calabaricus* | | | |
| ENaC  | forward reverse | ACATATTGCCTGGGGGCAC TTAGGCTCTTGGTGTCCATCTG | 474 |
| ENaC  | forward reverse | CCGGAATGGGTGTACTGCTA AAGGAGGAGGCCCCATGTAT | 469 |
| ENaC γ | forward reverse | AGCCGAACAACGAGCATGTA AGTTGCAAAGCTGGAAGCCT | 725 |
| GAPDH | forward reverse | TGAAAAGGCCTCTGCTCACC AGGTTTAACTGCGTCAGGGG | 734 |
| *Xenopus laevis* | | | |
| ENaC α | forward reverse | ACAGAGTGAGCCAGGATTGG AATTAACAGCTCCAGGTGGCA | 628 |
| ENaC β | forward reverse | CACATACCGCCGGCTCACT CGGCTTAACCCGTGAGTATTTGA | 515 |
| ENaC γ | forward reverse | GTCAGATCTCTGGGACAGATCCA GTTCCGAGCATCACAGGACA | 847 |
| ENaC δ | forward reverse | ACCACTTTCTGGCTTGTGCT CCTCCATTGACTTGGCCTGT | 320 |
| β-actin | forward reverse | GCCCGCATAGAAAGGAGACA GTCTGTCAGGTCACGTCCAG | 610 |