

Supplementary Materials

Table S1. The primers for *PACAP*

Primer	Primer sequences	Product Length (bp)	Annealing temperature (°C)
Primer 1	F:5'-ATCAGACCAGAAGACGAGGCT-3' R:5'-AGTATGCTATTCGGCGTCCTT-3'	421	58.5
Primer 2	F:5'-CGCTGTCCTACTTAGTCAACC-3' R:5'-GGGTCCCAGTCATAGAAGTC-3'	216	60.0

Table S2 The primers for *PACIR*

Primer	Primer sequences	Product Length (bp)	Annealing temperature (°C)
Primer 1	F:5'-CTCCTGCTGCCTGTGGCTATT-3' R:5'-AGTGACTGCTGTCCTGCTCGG-3'	619	63.5
Primer 2	F:5'-AGGTGAGATGGTCCTTGTGAG-3' R:5'-TCTGGAGAGAAGGCGAATACT-3'	915	58.5
Primer 3	F:5'-CATCTACTTACGGCTGGCTCG-3' R:5'-AGAGGGGAGAGGCACAAACAT-3'	429	60.5

Table S3 Fluorescence quantitative primers for *PACAP/PACIR*

Primer	Primer sequences	Product Length (bp)	Annealing temperature (°C)
<i>PACAP</i>	F:5'-CCTTGCTGGTCTACGGGATAA-3' R:5'-GTTTCCGTCCTGGTCGTAAGT-3'	119	59.6
<i>PACIR</i>	F:5'-CCAAGTGTGGATGACAGAAACC-3' R:5'-CCTTCACCGACAGGTAGTAATAATC-3'	203	60.1

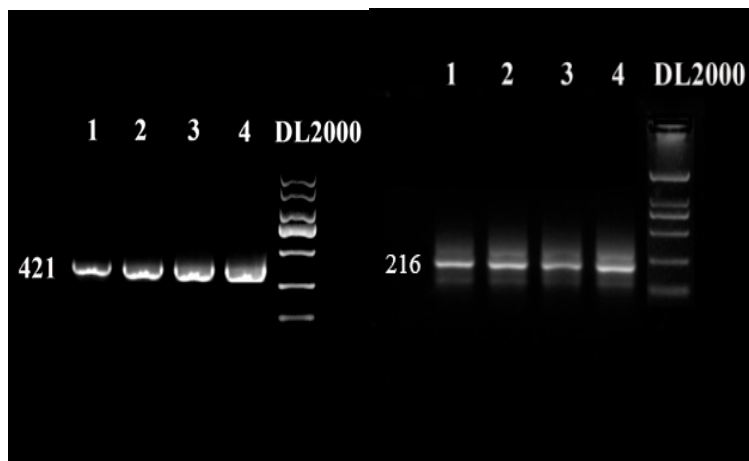


Figure S1. RT-PCR amplification of *PACAP* from *Phodopus sungorus*.



Figure S2. RT-PCR amplification of *PAC1R* from *Phodopus sungorus*.