

a

Eriocheir sinensis FMRFamide Trinity transcript

GAGGTTCGGCCGCTCTGACGCTGAGGATTTCCGGTCTGCCCGGTGGCCCCCTCGCTTTTGCTAATGGTA
TGCAGGATGAGGACTTGCTCGAGGATATCCACTGGACGAGAAGCGCGCCGGTCACAGGAACCTACCTT
CGCTTCGGTCGCGGCGGCATCAAGAACAGGTTTCGGACGTGCCGGCAACCGCAACTTCATTTCGCTTCGG
CCGCTCCGTTGACCGCCAACTGAAGGAGGAGAAGACCCGTGACACCACCCTGAACCCACCGCCGCC
CCCCTCCAGCCAAGACCCAGGAGTCCCACCGTTCCAAGAGGTCCGCCAGTCCCTACAACCAGATC
ATGATGCCTTCCC GCGGACCCGTCGCCTGGGGCATCGACTACCAGCCC GAGGAAGAGGAGGAGCTCGA
CGAATCCCTGGACGCCCTGAGGTGACCAAGCGTGCCTACAACAAAAGCTTCCTGCGCTTCGGCCGCG
ATCGCAACTTCCTGAGGTTTCGGCCGCTCTGACGCTGAGGATTTCCGGTCTGCCCGGTGGCCCCCTCGCT
TTTGCTAATGGTATGCAGGATGAGGACTTGCTCGAGGATATCCACTGGACGAGAAGCGCGCCGGTCA
CAGGAACCTACCTTCGCTTCGGTTCGCGGCGGCATCAAGAACAGGTTTCGGACGTGCCGGCAACCGCAACT
TCATTTCGCTTCGGCCGCTCCGTTGACCGCCAACTGAAGGAGGAGAAGACCCGTGACACCACCCTGAAC
CCCACCGCCGC CCCTACAACCAGATCATGATGCCTTCCC GCGGACCCGTCGCCTGGGGCATCGACTAC
CAGCCC GAGGAAGAGGAGGAGCTCGACGAATCCCTGGACGCCCTGAGGTGACCAAGCGTGCCTACAA
CAAAGCTTCCTGCGCTTCGGCCGCGATCGCAACTTCCTCAGATTTGGCAAGAGGAACGACGCCCCCA
CCGAGTTCGAGATGGAGCCCCCACCTACCCCGCTTCCAAAGGGCCCCCTACGTAGTGAGATTCGGT
TAAGATGGAGCAGCTCTTCGGGCCGCCCTCTCCCTAACCTCCCTTCCCGTCCCCTCTACCTACCTA
ACCCTCTCCCGACCGCCAGACAGACACACATACACACATACCATATAGACACATACTCGTACATT
CCCCTATGACTTAGATGCCTAATTGAGCACCAGACAGCCAGCCAGCCAGCCGTCGCCGAGCTCTCAC
TCCTTGTTTGAACGAAGCGGCGACCACCG

b

Scylla paramosain orcokinin transcript 2 (KR078364.1)

CAAGAGGAACTTTGATGAGATTGACCGCTCTGGCTTCGGCTTCGCTAAGAGGAACTTTGATGAGATCG
ATCGCTCTGGCTTCGGGTTCCGCAAGAGGAACTTCGATGAGATTGATCGCTCCAGCTTCGGTTTCAAC
AAGAGGAACTTTGATGAGATTGACCGCTCTGGCTTCGGCTTCGCTAAGAGGAACTTTGATGAGATCGA
TCGCTCTGGCTTCGGGTTCCGCAAGAGGAACTTCGATGAGATTGATCGCTCCAGCTTCGGTTTCAACA
AGAGGAACTTTGATGAGATTGACCGCTCCAGCTTCGGCTTCGTGAAGAGAATGCTCACCCCCGAGAC
CTCGCAACCTCTACAAGCGCAACTTTGACGAAATCGACCGATCTGGTTTCGGTTTCGTGCGCCGCAA
CGCTGAGTG

c

Alignment of crab orcokinin precursors

Eriocheir	MTREVICTALLLTLCVMAHAGAIKDAPSQPANQPDTGYSSDGSAAKRFDAFTTGFGHSKRN
Scylla	MTRDVFCTALLLALCVMASEGAIKDAPAHANNHPDAGYPSDGSSAKRFDAFTTGFGHSKRN
Carcinus	MTRDVFCTALLLALSVMASEAAIKDAPAHPSNHPDTGYASDGSSAKRFDAFTTGFGHSKRN
	:*:*:**:*:* ** .*****:: *:*:*:* ** *:*:*****
Eriocheir	FDEIDRSSFGFAKR-----LLTPRD---LYKRNFDIDRSFGFVRRSAE
Scylla	FDEIDRSSFGFAKRNFDIDRSSFGFVKRMLTPRDLANLYKRNFDIDRSFGFVRRNAE
Carcinus	FDEIDRSSFGFNKRNFDIDRSSFGFVKRMLTPRDLANLYKRNFDIDRSFGFVRRNAE
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