

```

S1  .....PVSATNTNTP.....QQQIDPA.AGFVST
S2  VITCEGCKGFFRRSQSQACVTNYQCPRQKNCVVDNRNRCQFCRLQKCLALGMSRDAVKFGMSKKQREKVEE

S1  TAFPNV.GAGSNGRPTPPPSLNIQE...DTIERLQNDPERIRQHLSSETVLSAHSALTCLMDNAQIQGAWINQMNP
S2  VSFHQANQRGNRQPGNSPDSSLVEPPSSTETLFPSPNQFSQQH.....

S1  FLIQFKSKSAEDLWMTAAQKLTDVITQIIIEFAKMLPGFLKFPQEDQIVLLKAGSFELALLRMSRYCVEKKAVLF
S2  .....

S1  MDQLLPMEAFLSTGNTCEMKLVSQIFEFVR
S2  .....

```

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X non-conserved
X similar
X ≥ 50% conserved
X ≥ 70% conserved

```

Figure 1: *Acartia clausii* RORa  
S1 - TRINITY DN50346 c0 g1 il.p1 ORFtype internal len 200  
S2 - TRINITY DN52624 c0 g1 il.p1 ORFtype internal len 119