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S1  CRAGRQVCVAARSLVSHVTPKHFLVVLVVTVVPHA70PS70ITCT70PLPTQQHPPEHAHRAVTMPSTIRAQIEIIPCKVC
S2  .....QPH70.QQL70QQAQ.....
S3  .....QQSH70.PQL70PQP.....

S1  GDKSSGVHYGVITCEGCKGFFRRSQSSVVNYQCPRQKNCVVDVNRNRCQYCRLQKCLALGMSRDAVKFGRMSKK
S2  .....
S3  .....

S1  QREK70VEDEVRY70HK...AAAQM70GMA70QETS70PDSSMYE70SPT70PTS.....S
S2  ....LQQQ70QHH70QQQT70GGGG70GVAGATVLP70EEET70.VSPHPS70QLAEILARWVADAH70LRTCLYS70SEHIADV70MRKQSL
S3  ....G...QQH70.....PPQ70GVAGATVLP70DEES70.VSPHPT70QLAEILARWVADAH70LRTCLYST70TEHIADV70MRKQSL

S1  DIYTPT70YYYGSD.....IASFT70SSSY70NYI.....PQ.....TTPT70VP70FEI70NPEY
S2  DISKV70TYK70NMAHEELWFDCAQKLTSVIQ70QIEFAKAVPGFRKFSQDDQIVLLK70AGSFEL70AVLRMTRY70YDVNQNC
S3  DISKV70TYK70NMAHEELWFDCAQKLTSVIQ70QIEFAKAVPGFRKFSQDDQIVLLK70TGSFELS70AVLRMTRY70YDVNQNC

S1  VVDST.....TFD70HRQPS..IEP.LPESC70AMSPV70VSSGKGGFAQR70QANS70GG.GGGS70EIA
S2  VVYGD70TLLPMEAFLT70TETVEMKLVNNV70FEFAKTIAEL70KLTDTEL70GLYS70ALV.....LLQADR70PGLR70GTDEIA
S3  VVYGD70TLLPMEAFLT.....

S1  GGGQMRGA.....
S2  KLNEAV70GRSLLMELDKTHRYPVKGDVT70VYAFLIAKMPALRELSMLHQDALCKFKRAAPHLQFSDLHKEIFNVDS
S3  .....

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

Figure 1: *Corystes* sp RORa

S1 - TRINITY DN2323 c1 g1 i2.p1 ORFtype internal len 287

S2 - TRINITY DN1111 c0 g2 i5.p1 ORFtype 5prime partial len 296

S3 - TRINITY DN21268 c0 g1 i1.p1 ORFtype internal len 161