

S1
S2 MRKMSDKALCEPLVTSSSVTAAEETNYPSQEYSSGQEYSSRQGYPPEFSPFSSSSSYHVEAGQHVEATHSVEVAQ

S1
S2 HVEATPPSEEALAAGDTKPVFEELSPCKFPRPAPWRQKTTSEADVQPVLVKRESEMEYREGEGDGGGPGVIRCV

S1
S2 ETSMPPPDTLTYESRGRRLSGEFARPMNVPREIIRGPHGARYRDARRTHDLARPDQTRPPDQVRMSDCPPPTPSS

S1
S2 PSSSTTSSAHGGRPRASGKKDRKKEEADDVSSSIPDLEFDGTTVLCRVCGDKASGFHYGVHSCEGCKGFRRSIQ

S1
S2 QKIQYRPCTKNQQCSILRINRNCQYCRLKKCIAVGMSRDAVRFGFGRVPKREKAKILAAMQSVNARSQEKAVLAEL

S1
S2 EDNTRVTAAIIRAHMDTCDFTRDKVAPMLQQARAHPSYTTQCPPTLACPLNPRPVPLHGQQELVQDFSERFSPAIR

S1MLCLNGQLLRREALHTSVNARFLVDSMFD
S2 GVVEFAKRLPGFQQLPQEDQVTLLKAGVFEVLLVRLAAMFDARTNTMLCLNGQLLRREALHTSVNARFLVDSMFD

S1 FAERLNSLCLRDAELALFCAVVVLAPDRPGLRNAELVERVQRHLVNCQLSVVSKHHPENPSLHRELLAKIPDLRT
S2 FAERLNSLCLRDAELALFCAVVVLAPDRPGLRNAELVDRVQRHLVNCQLAVVSEHHPENPGLHRDLTAKIPDLRT

S1 LNTLHSEKLLKYKMTHTAATAGPWDDSRSSWSMEHESSTGSPSSSCAADEAMRSPVSCSESIYSGESASSGESM
S2 LNTLHSEKLLKYKMTHTAATAAGPWDDSRSSWSMEQESSVGSPSSSCAADEAMRSPVSCSESIYSGESASSGESI

S1 CGSEVSGYTELRPPFPLARRRHDNSEGASSGDEATESPLKCPFSK.....
S2 CGSEVSGYTELRPPFPLVARRRHDNSEGASSGDEATESPLKCPFSKRKSDSPDDSGIESGTDRSDKLSSPSVCSSP

S1
S2 RSSIDEKSEEDREEDMSVLRRALQAPPIINTDLLMEEAYKPHKKFRALRREEEPHSSQPTPSLLAQTLAQPPQSS

S1
S2 SSSLATHSTLASTLCSPSLAASHSTLARTLLEGSKISED TMRRADILHSMIMRNEVRERLPSGSRVSPAPYYIPQ

S1
S2 PAMDRLQLPVSSWSCPSSRGASSSSSRMSMPMQPTVMAQPRVHLLTTPTPSRNYEPRMSTTPLGLGAQPSPSPDAP

S1
S2 APSPSQGMEVHLSGMGAQPHQRTTSSPMVELQVDIADSQPLNLSKKTTPPPTPQEFIEA

non-conserved

 similar

 ≥ 50% conserved

 ≥ 70% conserved

Figure 1: Corystes sp REV-ERBa

S1 - TRINITY DN15026 c0 g1 i1.p1 ORFtype 3prime partial len 224

S2 - TRINITY DN15026 c0 g2 i2.p1 ORFtype complete len 1034