

>pCRESS4_WP_000186194

VRRVKIIQYENNPTESLNFDENILNALAYFSHVITEGKPKGTHYHVMELTNPASISA-IAKRFGVPAQYVEVIEGAV-L
DCIAYLTHEDAKQVDNQKA-----REALTKRADARVIEKISQGM TLSQVYEFDNVMAVENKNLFKTARQEYLKNA
PVPPVVRTN-YYVYGEGGTGKSLSAKVLARSFVVDGAVPFDGYDGGQPIIIWDDWRALHFDRSLVWKLFAINPERISVNVK
YGSTSLINAVNIVTCVDPYLKFMEELEYTDKRRKKEDSRQAFRRFPFF

>pCRESS4_WP_000818357

ARVYSVVQYEFNPTEDLHFNEVIKNAILNKETKYVEGDVRRPPHWHVLLKFKNQIEFST-IAKLFNVPENLVEKKTGAF-F
DYLYMTHEDDKQVDIRED-----RRAK-KLSKVEVFLDKLTSGMTMKQVFERDSVFAENATLFRARRSYLKYA
PTPLVRTN-YHISGAGGTGKTLIAKSMARAFVVDGGRVAFDEYDGGQPIIIWDDFRAKAFERGMTWKIFAIHPDKVSVHVK
NGETTLINTVNIITSVEPFTEFVNGLAFKDN-KSEVDVQAYRRFPF

>pCRESS4_WP_044572803

GRCFEIVQDEKHPTAIL-LTRRIEKVLAKRPNQYTDGEYKVPFHIAEKRKNEASVGQ-VARAYDVAPQYVVRVKP-AF-L
DLVDYQTHGLERQRVAKRI-----NSPRKQTPIDKLAMRIQEDGLTLRLAKEEDPLSFNRAPGRMEKSRATYLRHL
PPPSSRIN-FYFEGEGGVGKDLLAKALARTFSVGGENVGLDGYDGGQPVIIIFEEARAGSMGRKELFAFMNPFPEKQSLNVK
YGATQPVNTITIFTGPDYDFTLDGLEFIDKSKAENKPQARRRIPII

>pCRESS5_WP_024393234

FFGQRNYDFEHSDSKDDWKEKIKKELFEIDIKESN--ELKALHCHFVIRFNNPRSYSN-ILELTKCEERNFERSTNE--G
AILRYLTHHTPEAIGKKEK----VDFVNDLAYRLSVGEFKPINAIAEFGQSIYRKEKKKFQED----YADFLETKKDL
LLNGKELSTIYIDGFSEVGKSTFAQDLANAYLAAKKDWISKYKDEYITIFNDVDPYDFNFTYFLGTFE-TKILVDVGSR
YKDKTWFSEYAITKSTDIHEFVNKIELREDNHFNIRYQVQRRFLI

>pCRESS5_WP_050238550

FFGQRNYEYEHTESEWKQRILEELFSISIKEHN--ELKGLHCHFVIRFDNPRSYDS-ILELTSQERNFQRSTNQ--G
AILRYLTHHTPEALGRKEK----VTDFVADLAYRLSIGEFKPHTAIAEFGQSIFRKEKKKFQED----YNDFLDSKRD
LLNGKELSTIYIEGPSEVGKSVFAQDLANSYLASKHNDWISKYKDEFVTIFNDLDANLFSFTDFLGTFE-QKILVDVSSR
YKDKTWFSEYAITKSSDIDEFVNKLEIREDNHQNIRYQVQRRINLI

>pCRESS5_WP_061866456

FSISRNKQYEHQESD TDWKEKVKSETFYLATELSDGERKGLHCHMILEFRNPVTITSFKEAGKFQSRNVEASKSS--S
GSYRYLTHHTDKAIRPEK-----DEALQEAFFKVRTGEIFDEEVRERFTTELVIKKNKFIDNS----RQMYQKEVFEDM
QNNGRNLKTFIFISGSSGLGKSRFAKDLARRYTAPTAKDFISEYKAQDV TIFDDVDAKSFGFQEFNLIFD-KDNITKISSR
YTNKAWVSHYAITKASKIRNWIERVEYEK----KEVQVSRRFDLW

>pCRESS6_WP_017371219

KTFFGMQYLEKEYWETRNQKEIFALVCEKFRQINENGLKLEAPHLHWAIHLKERTTLNK-IAKAFQVEPQYIETGNQGAMI
GRLAYLTHQTEKMKFKKLLA-TRAKYELNHLLQQVQVQGLFIEDILSDEKYFVYANNLAKFKEAFEAYAQRNSLLTIQDR
VAQKFEFTSIYIYGKSGSGKSEIAYDILKQYFGGS-KNAVDDYKGEELLLFDDVRRPETFSPADWTKILD-YKNKSALSGR
FHNRP LSNRLV LMTNTQSPFEFFK--ENEPIE-----QYLRLRTYV

>pCRESS6_WP_039670385

TTFIFEQQLKGEYWKAKNKQEIFQEIYNRVKKTFN--NLVFPHLHG YIEFSNKRDL SV-LALNLGLYPQYIEPSGRGGKI
NSKAYLIHAKSLDSFTKQSA-KEQDES LDMIFQEIIGKLTEDDIFADEKTF LWAYNQKQFDEAFKAYGKISAKTTLRQL
ENGEFKPTILYIHGQSGIGKTS LAYDLVAEYNAGS-KNIFDEYFGEEIIVLDDPRYD SLLPSDWLKLDD-PLNKSYLSAR
YRNKLVIGRVIVITNYMSLSEFFRQIPKEDIN-----QYLRRFNNV

>pCRESS6_WP_061343647

KSFYGTQQLQEFWDNRNQRRIFEIATRFLRKDDTGNFIKPHVHWLLELKNKRDLDE-IAYKFFVHPQQIEKSGKGCFL
GRIGYLTHQAESAYFKKRLA-FQQKMDVDYLLQQVQVQGLFLDDIFLDLNYNVYANNKQKREAFDAYSELNSFR TNRDK
RLGIFDFTTIFYGRSGLGKTTIAMAILDRYSGSA-KNAVDDYKAEELILFDDLKQDSFLIADWLKILD-SRNESTISGR
FHNKPLSARLIILTTIESPFKYDFGKDEPKE-----QFIRRLSYI

>pCRESS7_CDE19587

---EVTQPEYLKSP LQDILRKYRTIKQWAYILHDKDKDASSHYHIYINFQQTVD SKD-VAGWFGIPEQFVNKVEGRK-T
DMLMYLTHSND SYDFSEVVAN-----FDKSEIEQAKIIGDFEKYSYIHS LAVSEQPKCFDR---LQKLWKLQCQWLS
LNSDRNLKVIVTGKSGTGKTYFARKYMRAYVSSSSNDPLDMYMGQKGIIFDDL RDEAFEFADILKLDD-NNTSTAMKSR

FTNKVLNCKVMIITSFIPIKYWYKSVRYSCDG-----IEQLYRRINMY

>pCRESS7_WP_002578150

-RVICFQIQIEYTSSESSFKNIVNNLYKRG--TYTEGNLKKTHIHGMLRLNNSYKFST-IANWFDVTAQRIRKIETSY-A
AACAYLIHRNNQLTNENHMK-----KLKKRILEEVEAGTLRGYNFHENYAFSDRVALRSYLNNIAIEIHKTLNS-----
-NKERDLEVIYIHGSSGAGKT--TYAKMTAATSGEDRDPVETYDSSHPCMILDELRPSSMKLTSFLKLVDNNTESMAGARY
HGKAFIECKLIITSILPIEEFFKNLQANDNE---TAIQIKRRCKTM

>pCRESS7_WP_028509833

TCEITQDCCGWTPENVHKFIDGWSSVKDYAYKKDD-TTPREPHIHLMLRFSCAVHTSN-ILARAKITENRIQKMKSWSS--
AALNYLTHRDEHKWKHVYHQ-----AKQLRADKGREKEIVEAIASGEIRLFNLSEHITSYEENLYAIKTAFNRRTRDLK
LKNERNMEVIFISGESGVGKDTFAREWCKYFTTGNNDSPFDDYMGQDVIIWSDARDDVYKPAQIHTMLD-NHWSSTQKAR
FVDQVLNCQYFIITSVKPLNEWYKNFYKESKE---DIKQLYRRIKTW

>pCRESS8_YP_006939186

FMYTQQLKYLNSIEQLKNNLENDAYIQDFAMILDENNQVAEHLHVFIKLNQKKTIDY-VADLVDDKAQYIENKSRNE-Q
NGYLYLLHKTKSAEHKHYENNSKRKTWVQSILNDYADRIIDEKELKDSLNLLELAKNKKLINDIKQVLIIEFDFTYLEQ-
-ERYKNKQVWVWIFGKSSTGKSMMSQLLAKDYVTSSNRDPFEDYQNKQVLIIEEFRNENIGTNELLQLLDKTNQVRVGSR
YSNKKIMADLIINTIYEPKYFMFDEPIYQLLRRIDKLVKLDNQKIE

>pCRESS8_WP_062359070

---YRTFGYTQQLSHLNR-LEDFPRLMEERTADGV---LKASHVHVMMKFENPRSLQA-VSKIFHDSPQYVEKTRNGY-N
NMLAYLTHRTKGATAKVEQR---DSKTLDELLERLMDYSITYEEAVGELTASEFSRYHQRLKVTAEYGRQQYAKRWIKEH
EDNHKPIEVIWITGPAGSGKTVEAKKIAREYVAVGVRDPFQLYTDENVIIDDLRAKTFDYNTLLQLLDPFNST-MADAR
YSNKTLIADTIITSVYSPLDFYHMLVPEIYD-VDTYKQLERRIS--

>pCRESS8_WP_016356676

---YRNFMYENQLKYMKEDINMLAKYVEETINESE---LVAPHYHIALKFENPRNVNS-VAKKFNDLPQNFEIWLNRP-N
NLYSYLIHKTSDATKSIHRG---RNEEIRHLIDSGNGEITLKLMEELSPTEYARNENQINIHKLLANKRFEAFKKRM
DSEEKRIEVYFLFGGTGTGKTRFAKTRY-KYITGSNRDLFANYDGETVVILDELRPNSISYNELLKITDPFNFENVVGSR
YLDKKLVAETIVITTPFSPEEFYQTLKGEQTN-IDKKEQLFRRINV-

>UJSL005_MN604398

LYNTSQATVEEWFANKPKIQSMAACLVDGGKFLKDSFGPECHMEVAKRYLQAYIYVLEHAANKKVFIEYRTPKAGRSTT
KKVQSDVFIRELSRNMVVRP-----IPRMVWVINGHTGTGKSLANKFMDLHQPSSAYMCSPSGSPDNDPRSVLLDD
FNIALTPLTTLFNMTDQYNTIDCKGSYMIYSPYVVGMEQTYTTPHRKITDHSRRINLYIKTASPVNNVDGYRVMHPD
GTPDELIPKMNLDEMIAYIDSYKSWEQKYEEQLNNEENYHEVENN