**Additional file 5: Table S3:** Sequences of putative *Cryptosporidium ubiquitum-* and *C. andersoni*-specific mucin-type glycoproteins. O-linked glycosylation sites (indicated by amino acids) are shown in the second sequence of each mucin-type glycoprotein.

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| **Putative *C. ubiquitum*-specific mucin-type glycoproteins (n=7)** |
| Name: cubi03712 | Length: 68 |
| MKDLDSNNYGRPHFNLNLVVVVVVVVEVEVSGSSSGSSSGSSSGRGSSSGGSSDRGGSGGGGSGGGGS |
| ................................SSS.SSS.SSS...SSS..SS....S....S....S |
|  |  |
| Name: cubi03766 | Length: 724 |
| MVNQEVQELLKFQKVQMERKLQKHQQQPSPLQPQPPPLQPQPSPLQPQPSSLQPQPPPSSFPPPPSPSSPPSIQPEPEPL |
| PLQPQPSPSPSPPSLQPKSQTSPLQPQTSPSQPSPPPSPPPPPLPPSLSPQSPLSPLPSQPSPLHSQSPIPPSPSVSLPS |
| FSPYQSPNPSTPSSPPLPPPPPPPPSSPLPPPPSSPLPPPPPSSPLPPPPSSSPLPPPPSSSPLPPPPPSPLPPPPSSPL |
| PPPPSPKPPLPPASKIPPPVPPKTYKYAKLITSEISGLTDNQSNDLSDDQTEDEQNHLKTTQKQTNRLNTTQIQNLMKLQ |
| NQIIMKSFLRENGLEDLYLLNCNLNTLDRIYYLLEKVKKIILQVQVRETKMYKTNLNSFITSHSIMKKNIETTNYQTLVN |
| SLNVLKDYLKQILDDCKSLHNIQPSTEIHTEHYSGKIDECENEKYIPLIDLYSFLFKNYKKLIANSTFGARMLNHFVTIL |
| KDFTEFNNCFVQEKIEYWKSLLQEYKKNIKYEIKMDNKTKCSGYSHHGVMCSINECIKTSEDRLKSEKIIVYKFMVKLLR |
| ELISKCEQVKNDPNFDDNLKGQLFNENCIYKYNIRYNIQSKFLNNSNQNQVLERIQNLIQSFGGIVFIHDSRDCNPNNIV |
| KILEFIARLKVIKSLGDNNTNLYSSTITNQEEIKALNIKSINFLIKLMLDMISFCWTYGIYKKNDYIQRSDTKLIDHWVN |
| FKPY |  |
| ..........................................S......SS.......SS.....S.SS..S........ |
| ......S.S.S..S....S.TS.....TS.S..S...S........S.S..S..S...S..S...S.S....S.S.S..S |
| .S...S...ST.SS...........SS......SS.......SS......SSS......SSS.......S......SS.. |
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| Name: cubi03293 | Length: 954 |
| MMKDAQSGSSSMNSDINFFKSLNIVYHGIVKYCHRFGILNLYKSLENKQEPRFETVEWSSYPQLMDFIFPQFPLEDRMMT |
| DYQLFGFDFLLKSGSYSYFFDISTGKMTLLDDFGGGSEPGEEGKSKLISDQPLITEEVPIQIENEEDDDFLLTVEIPGTT |
| PEQEIVDNLDLYSLLEHDFSSNVIAFSEELTSLLLPKHVEAAIQYLQGCNIKMLFIINSRIETVKELLNRLNLLSTGING |
| IEGDLLMKDAISNVLSNLLKKLQSYLEKCRNINKYKVPWIHIAGLKGEKATILQSLHPSFVDSSIIPFYCDNVDLKDVLE |
| FIKNDKLKIKSLKEGLNKMKNHNKNKSRLKKELLILKASTRRNTLLFEICDDFNNLKYSDTGLYYKVLSVLSDFESNMKV |
| RESNIKEFYSKMGLPFKSESAIDQLKNTEMDDEEELNTLYGIYLSLANGANPLTMEEIESLANANKFSKIDYLKEIIQSL |
| ERKEEENDVNKKTQESDEENIDLVNILTSDEEILSSYSLYSSIAQNPLNLIEIVEISDYDKTKVLSLLAKLNQDLLGENQ |
| SNISEKPGGGDGPGGAGEEEGAVGGVGIENEHLLKDEEILNKYLLYRSLVLDKNTPLELYDLIAIPGNDKKENLMQTLDE |
| AIAMMNKDDKGSEKSLLPKKLTEPSPLPPQEESATGRPKKPSYPLASSILSPSGTTGGADGRRDPGARPKQLLPKPTLKT |
| NVVTQQELRLDENLLNDLEVYTKYLDYSAVAQNPLNLEDLVLASNNNKIELIKMLKEAISQANIPPMFPTSPLPPAPVPP |
| TPLPPTPVPAPLPPAPVPKPLPPAPSQPMSPSVGPKIQLKFTNGKLDQNSVDQSKLSLSTIQKFSKLVQVGCTIESLNEL |
| QFLLNVSRADLAHLKALEKFVKGPAARCSTNRSSCNNCFVCNSRKSIDKDITNMEKVIAALQALVGYCIQNMKK |
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| Name: cubi02672 | Length: 251 |
| MFKEINSILLFICITSIFNFYKGEVEQLAPATKNLSFLKLKNGIYGRSTRSGGGRRGGASARFGNRAPQTQEGQGPLQFP |
| PPDYPEAETDPLQYPPPDYPGAETDSLQYPPPDYPGAQSLLKYPPPDYLETQGPLQYPPTDYEETVESRSPRPSRPHHRP |
| SNRDNRSPSTRNVGTPLGFNQHSNPNTGGNRGPRTSHRAVAAPPPPPPPPPPPPPPPPSRQDPRAGVGNQSLASQLAQGG |
| ARLRKTGVKLT |  |
| .....................................................................T.......... |
| ........T..............T..........................T........T....T..S.....S...... |
| S........T........................TS......................S..................... |
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|  |  |
| Name: cubi02033 | Length: 78 |
| MVTLGFYTSHTQSRRRRKERSRPGRTCTQGTPQSVPQTRVRTKEASVSLALLLNDTLVLLEGWGLTREGQRVCCTSRX |
| ....................S....T.T..T..S...T........................................ |
|  |  |
| Name: cubi00381 | Length: 493 |
| MNSFTYSVLTFIFIKLLGLWDFLVIHDIGYLDNGTNYIQPLCSSFIKLKGTNENDDLNNNKSAGTSRKGLFGLQGRSNLP |
| SRRPYSGIFSSSGSLQHSRQTPFPQRTPYPRQTPFPQRTPFPQRTPFPQRTPRPLQTPPRHLPKRVFPQVMATPSLPTIP |
| ESPEPTSSSESSRPSSRTSSGSSSPGSSRPSSPGSSRSPNPLTSKSSSLTQFSRSTPKPAPPRTPYSGDLLTMGYRSALD |
| SIFGSKQSGSAGSSTPGQQRLSPESHGPQSSGGSRSPSPKSGKSQTPGVYTTTLKVELNKTPGTTRPNPKLTASKIEIAS |
| KQSSSGKPSSSPEGFGSQRFRKSRSQSPKTPRSHSPKSGKEQTPGVYTSTLKVNLNQPPRTTRPNPKLTASKIKIASKQS |
| NSGQQSRTPDPRQQHPTPRYQAPPSSSRSGVSTQGSTGRGYLASRCPLGDPCVRCLEPNRDNTLICATCNNFMKHEECDP |
| PRHVSRIVSKKYK |  |
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| ....................T.....T.....T.....T.....T.....T.....T...............T.S..T.. |
| .S...TSSS.SS..SS.TSS.SSS..SS..SS..SS.S....TS.SSS.T..S.ST........................ |
| ..............T......S..S....SS..S.S.S..S....T....TTT........................... |
| .............................T.................................................. |
| .......T........T.......S.......T...T........................................... |
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| Name: cubi03765 | Length: 618 |
| MPGTSDSTEIPGEPGKPTMPGTSDSTEIPGESGKPAMPGTSDSTEIPGESGKPAIPGTSDSTEIPGESGKPAIPGTSEST |
| EIPGESGKPAITGTSDSTKIPATPGTPEELETGAFPVPPKIGTEISPIPSPVPPKTYTNLNIDEKYIHPTAPETPEVTDD |
| NTGNLKKDQTHEYTQQESDDDLSDVQSEDEQSHLKTTQKQTYRLTTTQIQNLMILQTQIRINDILKENGLDNLNLINCDL |
| NTVNRIYELIKKAEQIISEIQIRKSSIDQIDLNSFITSHSVIKKNTETTNYQTLISSLNVLKDYLKQILDDCKSLYNIQP |
| STEIHSKYYSSIIDECENEKYIPLIDLYSFFLKYYKRLMVNSTFGARMLNHFLTILINLNEIKQCLDEQKINSWKLLKEE |
| YQNNLKEETKKATEIQLNGYSDHVAGSSINQSINNSEIHLINEKIKVYKIIIRLLNELILKCQELKNNPDLETNSKIHVF |
| NENCIYKYNIKESMIRFKLFNGLNMSQRDEILERIQRLIQSLGGFISIYDSKDCNPNNIVKILESIARLKTIKDIEKNNT |
| NLYENLKENKILNLNLRSIKFLIKLMIDMISFCWTYVNMNKIVKLKLIIKHWVNFKPY |
| ...TS.ST.........T...TS.ST.....S.......TS.ST.....S.......TS.ST.....S.......TS.ST |
| .....S.....T.TS.ST....T..T.....T..........T..............T...................... |
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| **Putative *C. andersoni*-specific mucin-type glycoproteins (n=30)** |
| Name: cand003570 | Length: 102 |
| TETTTKPTTHTTQTTTIPATHSTKAITNPTTHSTSTSMESSTSYSSNDILSQGQIAGIVSGAVAGGAVGGALLTAGGFLA |
| ANSQNSSNNRRFLRGSMIYALX |
| T.TTT..TT.TT.TTT...T.ST...T..TT.STSTS..SSTS.S................................... |
| ...................... |  |
|  |  |
| Name: cand007060 | Length: 191 |
| MTSLNTYSSPRSTGRLSPRAIIEKRQVKEHKSPRKLAAEHVIYSPIFHQGISSAHHISSNIKNLKSPKSIKSGTHAKSSP |
| LKHHTSHHANHDINHYSKSPTRRSLRLLMESTHNKHNTHILHHQITNNSYQTANLAEKRSSQIKSLVTLKKNKKKNITSP |
| KKSKATNKVSTKKRISKSSKSSARVSPKKFX |
| .TS..T.S........................................................................ |
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| ..........T.................... |
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| Name: cand002210 | Length: 355 |
| MTIRIFIYLIILFYLISKINCSDTSPINSKFCVATPYIFDKRCLAIFLEVYNLNFEVFSLSKRFNWILSEQAMLINADLF |
| CNLRKMYAYLHKASRLYGSMDKFQELRVTNPFECSIGPLNNPTSILLENNLYRIKAEVDGLECACRCLRAQIKILEEINV |
| GYCIFILEFILFILERAYFLLTVLEDILGFLQNILFYYFGVGDNSYINTHRLEVLLEVPGIIQDELPGNEIISILINYIS |
| TGDSFDCYSKMYYDADLSEFESRISRSVYLQHNMMCENEIKSPCNSDDQDSNICTSQKVDLVSSKVEFPESRNEEVIKKE |
| VSLSPDSSHRRGRSRRSRSSSSSSSSHRNRISSSS |
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| ................................................................................ |
| ..................SS.....S.....SSSS |
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| Name: cand003220 | Length: 271 |
| MKSNLISNYLIFLLFYIFLLKIKNVKSSTDSSSINDTISDLDINLLSMEDIFLLCNNFGYLLDNEKSKIYNLLISYKNYY |
| HFVEDESRINECIQKLQSEISVESEINFKSDPMKLLRIPVKMPKLFVFEVQPISQLPIQPLKYVAKSIQVSNIREEDITI |
| PLKDIDMRESEDYEENNTITDTLSDIKTELSISNNSEDDQSGNNYGEIDSEGSYILDNSDNSTLSLPSLPSLPSIPSIPS |
| IPYNTDHSSALDSLRSSSIYSPTLTTDISDX |
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| ..............................................................T..........S..S... |
| ....T..S..............T.TT..S.. |
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| Name: cand009790 | Length: 298 |
| MILKINISLIIFILFINNSLSREGKKPRFPENQNDKLNNSSMRSNCSDSYHNYSCSFLRNISMSSSPGIYSVTSVYKSTT |
| PTISRTLKISGTSKIPELSEMSDLSETSDMLEIPKIPKIPKMSDLLETSNMLEMPKMSELSEISDLLETSNMLEMPKMSE |
| LSEMSDLLETSNMLEIPKIPKMPKVTRMLEISKIPKITKTANNGIVLMNRYDLERVSLLFFKLCDRDYEGKLEIYFKDND |
| ILGIKSESDVKISKGTHKEHLNTHSSLELSVQGVQLDKSSATLIRSNCTLILTAPKAX |
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| Name: cand007610 | Length: 131 |
| MNSYAAKKSCVDGSFQQVEYSGGFEERYINRIVVRHNTELLPRTARIDSLIPKEYSGVKVSDKKVSLDPEQRHNIRHLLV |
| ESDTHDIQLSPTDSISSTRNLSPKSPPGSEDFLIFLSEEQLLQTIQPSSSX |
| ................................................................................ |
| ...........T.S.SST...............................S. |
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| Name: cand010540 | Length: 591 |
| MKSLSALAIFTLTTSFIYLGESKTGLTCYEPNELSENFQSVTCSDIRSIIGNGGANTFIIDTNSEEIVNCTWIPDKTCTV |
| LSENKYNNGLTSKCLGFAGFNESEIYIGPHPVNVATSKIAGVLCCSALCADESQNGQSTETKQIVEEISDLFTSKKVTAV |
| SSSCQNPQELGILDNLSCSQLRDPEVNSKLTYVGNPYYLENKCTFNYDVNCRPFESKNCLGYVINGNHEVWFGIQPVQSI |
| GPLVQNVLCCSVSCGDQQNFELTNIGNVSNSSQISTPSPNSNNYSDTIVPILPGQSGSQDIPIANNSVVTTVTHPDGIIV |
| NPETQITEPNPTLSGSENSTAIIKEVQNSEISQSTLNMNSPQTDSQQINSSIQNSSENEIQITTSTTSAPPVISETYSGT |
| EFTNSVPVPSTNQESNTPIKSFTNTTEASMSSSGSESDIQVVVTTTSTSETFNVVTFPSSNLKNETRPEVQTGNPETQEL |
| LNSILSCSPPTKFNIPSVTTCEELREWANLSSLIILSHSISQCRWHDEPTCTLSSASCAAYVSTGTDIIFVPGSIPQEGI |
| SGIQKLSESEQRRLRGKAAEFMPLCCNVVCX |
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| Name: cand007370 | Length: 600 |
| MYISQSFFFLVFLQAFSLAAVIIPVEEADALGNNHIVTSIHPSSKILKTDNGQPLNGKSSISNYFNISSMLSSMETLKTS |
| TRQSLNNITSPTSIFRTNLSTEKSAFTLNSTISRVRSLKSADGLKLTKSISTVKSPFSSTTTPKITIATTGTTTVTTPTT |
| TTPTTTILTTTTILTTTTVLTTTTILTTTTPTTTILTTTTPTTTTILTTTTPITTTTLTTALTTTLTTTLTTSPTLTTTL |
| TTSPTLTTSSITSSKTTSPTTTSSKTTTSSKTTTSSKTTTGSKTTTSPTTTSSKTTTSHTTTSSKTTTSPTTSSKTTTSH |
| TTTSPTTSSKTTTSHTTSPTTTSSKTTTSSKTTTSPTTTSSKTTTSHTTSPTTTTSPTTTSSKTTTSPTTSSKTTTSPIT |
| TTSSKATTSLTTTTSPTTTMRSVTIRSTTMFTTKINRGFHKGKCESKFTMWYENGIPLSSIQCSNYSVVYMYNEPPFYVS |
| KPIRQIKVFSNGSITVNNVFLPISGISKRFPSMQYGFMLGYTNIGVSILLNNSYYTLSANGTDFYFGSESDSLFVLSNED |
| GIFHDGVRLYPTNSKASSASAKSVFLSIVVTIFITTFILX |
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| ...........................................................TTT...T..TT.TTT.TT.TT |
| TT.TTT..TTTT..TTTT..TTTT..TTTT.TTT..TTTT.TTTT..TTTT..TTTT.TT..TTT.TTT.TTS.T.TTT. |
| TTS.T.TTSS.TSS.TTS.TTTSS.TTTSS.TTTSS.TTT.S.TTTS.TTTSS.TTTS.TTTSS.TTTS.TTSS.TTTS. |
| TTTS.TTSS.TTTS.TTS.TTTSS.TTTSS.TTTS.TTTSS.TTTS.TTS.TTTTS.TTTSS.TTTS.TTSS.TTTS..T |
| TTSS..TTS.TTTTS.TTT............................................................. |
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| Name: cand015210 | Length: 226 |
| MVYLKSICTSFCLLSSMSSLHAGTFRSLVTEVISESPTITTTVQPYSVELATTNPIKKSKDTELLSEVYSQILNSTNDER |
| TLLTSSFSFWDHVKANINSILNKLRSDIHNGSKEFEEFRNNTGHFFEEAGSNIEYIISRASYFMNRLGYNMDNFVNYTSP |
| KVLDHTKELVHEGISLFGGVGDVSKVGHETVPVIETITKEIGGAVDGTKSELSDIKSQTEEIACDX |
| .............................T.......T.TTT.........TT........................... |
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| Name: cand019690 | Length: 248 |
| MKSARYNSSSTYTRRSSKSSTNSDITNQSNISRSSGYSSTSRKSNRTRRTNNSNKNGTNSAGSNSSLNSSLSNDSDSVSS |
| VETSISKGTQVSSSSKSSKSSKSSKSTKLSNNSKLSNKVIICRDDKEIKSGCESTHPTQRNKVSINKEIQDLQLSKKKGS |
| LKMKSAKNEQVKQIPSRNCSFDGHMLTHGNIFFVNCHNYPTGQINIVNQWGSVIVEPQIRCCCNLPNLCLFNCIYDDNPM |
| SLTILNYX |  |
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| Name: cand015870 | Length: 123 |
| MDVSDLSTLCVISIIVLVLVSWIMSTHLKHEETIPKRRIKKKIVKQKPAETNEEKTEILTTHRPRARSAKAEVIGQNKTS |
| TKSNATDDPIRTRRNASLKKSNATEEAPVTKKRVTRSSSKKLX |
| ...........................................................TT.................T. |
| ...........T...........T.....T....T.SSS.... |
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| Name: cand015230 | Length: 441 |
| MLKKIYFINIIFLIVKYVSCHIENYLDISPLYIDDYSHIIQLHSGATGASTDMPIKSILTDIHNSYDYTNKKLEVADSNI |
| RSDLDLSLQACSLGTKDKHVTPMTEISCNERLSDTDKEILNIYSNHKVKADPSLEGHFAVSGKINPSSVNKMISDTNPAE |
| VGFQGSDNVIPIQLNSFRSSNVGVHSNIGINQPCYEGTENLMVLSSAPTNKLLSHSSNVHSDLPIVQSSKLSSALSDSSS |
| GHSVGLPSDDHVIPYTDISPNLNSNSYLKQYVDLLSTRHLDTKDSSSYTNSIPLGLSSELPVDTKASSQSNTQTTPPDNS |
| HISSNTAALSPEDIAKIASSVGSSLLLAIGGVVGGGAAYRLNYMKRKEDISNKLISKLKSQSIGNITEVILEESNLPGKE |
| DIVGIVNTASKVKRSLDSKPGFNRMVYRRRHTKFRVNKQDX |
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| Name: cand020400 | Length: 305 |
| MKTKTLVFALIFGALMPTYILTKTSEIFYLIEPADIPDKKEQNKEFSELFPTAFDEIPRAEIMYSEDTAKPSSGFLPVLF |
| TSSLAKNNILDIGGSNRELMPNSFENIFISMEENMNLPVFPSKEYKPIINTIITNEKSKDLEFGVKSDMRISQSSSKPLL |
| LFSREPSSTYPENTYLPTSMDEINLEDKHTPLITNSYNEFKYIPYGNKKEKLRRARRLGLQIPTGKPGPSPFEPRSTKEI |
| IAESNIDTTSPNLKNNATIINSGFGIVSITNDLLNEEVGVSSKSHIRTSLTFIKEQTNSSATNSX |
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| ...............................................................T...........ST... |
| .............................................................T.S. |
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| Name: cand018310 | Length: 182 |
| MADTQNQVEIPKLFLSSTSTKKSDRGNSEESKDLSRKLKRTLGSSGTSSPEPKLKSPGVDDEDELSDTSLDLPDEYFKKA |
| VMLNINPFDPFPEIDTTAFATGVGKSGDKDIDLTGKLERKKVNTKLSGGDPVESETEEDSSHGRDVLLKLPSNLEVPNMK |
| SSSPKKSDKSKRQKKTPKKKDX |
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| ................................................................................ |
| ...............T...... |  |
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| Name: cand020150 | Length: 232 |
| MHINLLWFLCITILPGAILCIPTILPHAISSSLGHLASNAINKHANTIAHSAVLSHTANIISSHAAKAIVVHASHTPVQH |
| IQNPTSIHSNNIIQSHSTNVAHSANVANFGSHLVPSTHQNHLAASSSHGSISHGTGDSTKFTLIHHSLQYNAHHPLSYTF |
| AESTSGKGISTLDKTPSTSTVPNIKPDSILAANIISVVLTGIQIAISVTGISFTIYHTTKSRRSRKPYYVRX |
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| ..........T...T.ST.T.................................................... |
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| Name: cand020430 | Length: 147 |
| MNFYILTFLYLFFLECNALVGPLEPPPNGAPIVSDLRSSVEKMRRLLVHAPDKNSQEKANAFISLDELEKAVEKVGFLAS |
| KGKTSSEVVLLESNEQPEALTETTPEEATEAIKQLTRQIWKATDDILRAYTGIGGLVGALPPQTISX |
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| ....................T.TT....T..................................T.S. |
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| Name: cand016440 | Length: 89 |
| MGCSSSKPVAKSDSKPPNDIERQRILAEKKAELAKAMKKPNKDISKPLMETEEIDKEGDSKVNEPVLLTKPESTSEGYTT |
| ETNKPAEEX |  |
| ...SSS..............................................................T...STS...TT |
| .T....... |  |
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| Name: cand013930 | Length: 143 |
| MHMQGLCVKCVNRVQSYNLPCVTILPPSQLRKFLSPLYIIKLYLSLKENESKDSVQLRYYSNGISSNFSAGPFSSSLGST |
| SFRHVDFNGGGRGRGRNSGNSSGNSSGNSSGNSSGNSNSNPSNGNSSGNSSGNSSGNSSGNSS |
| ......................T......................................................... |
| ................................S...S.............S..SS..SS..SS |
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| Name: cand024530 | Length: 168 |
| MYRPQVIYWLNLLILLFSIYYVLANQVYISVDSTGKIENLVNNIPDKKDLLTSNLLKATNLMKIKSNEEFENCSCVVGNS |
| CLTFGDCYGAAAATVIGILIILSTIGIIVQHFAGIPDEFLTTHHPAIVDSARIPCNCLCPIQIREPAHPDMKTSVNVIDS |
| PTVSSESX |  |
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| Name: cand036430 | Length: 474 |
| MKAFLIFSVISSLLLINASSISSFSSQVGQVYRESGDRSHDDQNNKTRTMGGLPRSSNVRKPTPSLSNSSKVDLRNMNFS |
| LPLLNSTIVLPKPISKRTTTTTTSKTISENKSKSSSLPITELIAREQSLFYPIGNGISFFPYKPGYFNIPPTTTTTVTTT |
| TTTTDTTPTTTTESDGTSFFPYKPGYFNIPPTTTTTTTESTTTTTTTESTTTTTELPTTTTTTTESTTTTTTESTTTTTE |
| STTTESTTTTTDSIPEISDDPLGSDSSKLQSLLYQTGEGILRVPMKIGPGKGQITTTAITSSDSVDLSKGMGQQPILYPI |
| GSNSTSGVPLLSGKLGSKRLKTIITPTTVSTTALAETTIQQRIENSNDGDKSGMPYSLYPIYGEGMKLFPMKPVYGSPPI |
| TTTTTTTTTSNIRTSTVTYTYGANGAVAKPHNSIKVRTSHDVKEYEVRSREVGSPSQYNSYTILPVNGSQVVPX |
| ................................................................................ |
| ..................TTTTTS.T.............................................TTTTT.TTT |
| TTTT.TT.TTTT.S..TS.............TTTTTTT.STTTTTTT.STTTTT...TTTTTTT.STTTTTT.STTTTT. |
| STTT.STTTTT.S................................................................... |
| ................................................................................ |
| TTTTTTTTT....T.T.T........................................................ |
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| Name: cand033430 | Length: 266 |
| MRLLYLVFLLIIPIVTNSHQDVLFMHEDVVDHNHMDNLLGNIQNHYQDIQHEHQYDHNLYDISNTHAQMGLNALQAVKLH |
| NQFENNNYNRHGTGEHYSTNPDMNAIQNKKWQTGKVNFIFGPDLPQPPPLTTHEPMITGVTSSEHHDTTIPSHSLGTTIH |
| TDLHTTNKINHQEETTINQRGHKYTTISKSNKPDNEHTTFTTEAVTKPTTHHTEVSTSPKAHTTEVTTRSITHSTETTKL |
| TTRYTETTTKPTTIHTETTTKPTTHS |
| ................................................................................ |
| ..................................................TT.....T..TSS....TT........... |
| .....................................TT.TT...T..TT..T..STS....TT..TT.S.T.ST.TT.. |
| TT..T.TTT..TT..T.TTT..TT.S |
|  |  |
| Name: cand031810 | Length: 283 |
| MLDSSNKENSVLAQIGRKSSLYKFIKKLKEPTNQLKSATPSETSESEELNSTISSPSIYNSLNFSPIHQEPEGYEKLGSA |
| ITDSSKKFDTDKSRTVSQKKTANQATFIESKYLQPNSTSKKPISKSLEKLYASPKNYRNIYPMFSPYQACETLINCNLTS |
| LCPRTMCICMYNICPNQNYSTSSEVKPWSDQLGCKTCFGRTQQNMLMVARNKVQCKYHCQGSSQAMPYRLPPAIRFNFCN |
| SSNGSLNCYNSSNSFSTCCNICNSCRFCRLNSLNNCCIVYNQX |
| ......................................T.S.TS.S....ST............................ |
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| Name: cand025220 | Length: 184 |
| MIDPASAFCVGVYFLGVGVVSSVLYIPISLMQAMESYRLNEVNKDDTQDLDQLSIDNTYCVGKTSGLLKRKVLCSVVSNK |
| RKGDILEDQIKPYVLRYPLVLVEDHLGQCSKGNFSDKDAIEDSISESTCLSTSSVESASSCSAMESSPPITLSSSDFVMD |
| DLSLALDIATIPEDPRNVAWFRMX |
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| Name: cand021870 | Length: 503 |
| MLLFLTNIYLISVYGSIFIYRVNCQNFRTYVPLNNSSYNIPWNSKDDISAIGLNNLTLTKANNSLGLLDFDSTDAINMTA |
| YMMTHYTNQSLSNNFVNNLNNENATFVLPPIISLNNTINSSSSSSSSSSSSSSSSSSSSSSSSSSSSSDSESEGDLKYPK |
| NKTNYTNIKFDGLSEGLDVKNKTLFIPNVDSQNLRKLSQILIEVNEDIPSTLNVNPQENITIDNNLTTILNITDTLTSNS |
| FDNIDTNNSHKVKELYPILLNSNITETSKNLSNDTLIIANEVLNNTIGNFNHDNNITSDTYILLSKSNDIVTEPLDPMSV |
| VLLPINITDKNKTILPQNINSNDVSDIKTCNMSTILNNSFVNTASDPLKASNFIKNDSIVKQDKLYDELLKNTSFNSSFL |
| KNKIKSINTLEIIPSKNSTYLDLNNTSKGSCPNGICKSDGEDDSESDDEVELDENGKPIIKFKQHSIEIDEIIKTANAMK |
| QEPYLASLLLSCTFLISLFVFLX |
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| Name: cand029820 | Length: 98 |
| MTSDKKKGTCGVAFETILNGLGLLGNQFRTALIATKEVVKDSVYPLKENCIRRYYEVNPAWHDIGSKTSVPNQNAVLFAD |
| SGASETIDTQSSIRSTLX |
| .T.............................................................................. |
| ........T..S..ST.. |  |
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| Name: cand037300 | Length: 269 |
| MSATINKENFLILSEKHKYYNEYAGIGTPDISTSPGTPSPDSLEVSTMSSLWTYKTKLDRIENTIDYIKREYLSEVSSLQ |
| DRYNLATLDKMEANIKELRKKYNLIFSKYEEHQINKIIQITKKSQVSLINIQNLVDKITRRSQETEIEQNFKCTTELSKL |
| ELEIELETLKLRLDRDLKFNRYLTVCNDKLREKYKELSKIYDTLEMYHESKCNYLRKESNEIYRTRNSLLNRDLLDNQNI |
| IDLLVFENELQAEILGYFKNLKLIFSQSX |
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| Name: cand027340 | Length: 436 |
| MSSTTVVKPRVPTRARGERVYKPGGKKEWRVVFWTHESNKPSRRQCSFSEAKYGKEAASLLSRAVLDYIDVKGVIPDDLH |
| DPPILDPAKKELIDYYSALHETRKASQKKIRQKSKYKQSQEESIVPLYTLTQSASLTNISSKKKLSLLQPVSSLSDTLVY |
| LMNSKDNNNMSNKSEIEGIKNNGDNSLSTTSIFSTTSSTSSVSNSSDKCSLSPSVSPLSIATNHIIRGSNTDSDIGLADN |
| IYNPGILTSFGNLGNCNIPNAEHIGSQFPITKGPSYIDNNTNESQNRNFTTVTNFLLNNLSKNVLLSGNMISPLNSLINQ |
| QYPTVLPPPLPDILSNNQLPLNSDLQLFINQTFQQLYQNQFSLINMSHFQYIAINNPPIVSIQGIDTLKIADQQSYIDPF |
| SKLRSPATNSDMELTKSNVNPSLTKETSSDSPKPVX |
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| ......................................TSS.S.SS.................................. |
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| Name: cand023130 | Length: 157 |
| MTWPFSSAEKKNISSPIDEFVPPPPGGSPFAPPPEIPHSLKHIKDHSFFHKEFKGFSAPPGRSIDSETRTYEQRFPNSKK |
| SIFDLEFSPRTRACLENIKMGMKMGASVGGIFGALTGVYAAAKHRNLLAIPISIAGGAVSFGFFLGCGMIVRCESKX |
| .T....S......SS............S.......................................T.T.......... |
| ............................................................................. |
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| Name: cand022470 | Length: 551 |
| MNTIYIWIFLYLPLLWMCVVSLIDEQLSLIHDDLINSNILYNYDHLNNDPEIQQENILPNIFENGINLVDNIPNAVHKSE |
| ILTIPFSNSHIEVPSSIHITYNEKLINSHSNDNSEFKDHLLNLLPHLPNQPTNSNGFPNPSNTEPDSSGGTDHNRDSDND |
| FPNPSGGTTSHTTATPITTFIHITSSSNPSHSVSTTYTTNPITTSIPSTTYTTNPIITSTHITSSSNPSHSEGTTYTTTN |
| PITTTSTHITNPSHSEGTTYTTTNPITTTTSTHITSSSNPSHSEGTTSTTANPITTSIPSTSSSNNENHGNSNSVHTGSS |
| KPNIGTIIGGTLGGLLLVGGALVGGGLFINNRRIKKERLRNKLRRKKKRRQDLTSASIGDSTIVSQNSVSSSVLPSKRPL |
| KTSVIDDSDSLVTLEVSHGQTFDGLGSTTLLPLPAIKINSGDEPSSKSVSNKTTKLDDYSQTFGGLGSVTALPLPIIKIN |
| NGYKPSNKSASKKTRKVNASNINKEIPKGSIHNSTSNANPEPQQLPIFLGNTTRKKVSLSVSDLTGSLSIX |
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| ..TTTST..T..S.S..TT.TTT...TTTTST..TSSS..S.S..TTSTT....TT....T................... |
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| Name: cand021340 | Length: 287 |
| MRNLINIISLLFGLLGLIYALESTAADPKDQVHTPETKIPIPNNNTVPLVKEPQESARITKNQVPISTVFDFPRQYYSAY |
| TYPIGRHHRHHHHGNFYGVPVAIQPVAIQPVATQPVISKTPVANLTTKEPIIIQNKQPVITNKLPRQTLDKAVDYRAEQI |
| LLEEPDIRMMVEYPYRGPYVFHPYAYHHYDYDPYFINLSPYNQYPIYRMGYLGHPYSPFYYYRSPYIGGRYSHRFRYLDD |
| LPPQEGEFIEFPEEEFESFETNMPFEGHSLPEVHRNSTLPTAPLKMX |
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