

No.	Amino acid sequence	Exon coordinates (number of beginning and ending nucleotides)
1	MEEGVEIDSNPSRPLSVPLTPPLSPTPPAAPSRAIP ARLLQGRNGVVPRAWKVAIPVRHPCSAAPRKEG RRVEDPPSLAPPTPRHHILRAVCYKRSACGDG RSDPAIPALALLSRLSSLCWIYGRQLRAHQPIAR HLLDLHYPITSDPNKSAFVLAKTVFRASVRSAAH SFPPPTPGGSQDSEAVFLELPCICQDTMKAREPKK ARGHVKNWNEENLDIESNKPEREKITEPKTPYHP MLDEDEETDQAKDGSKKSFEVPSAWEKVKETR NPRPGVKKKTCGIKVDVRFGRRAYVSRCDLEEK EIRRLTPSLPAPSSKKSQSRDGGGRPSRTPAHPR LPPPPRSGADGDGWGGAAEVVRGEAVERRAER GHAVRSLQFRRHSFLPRLGRGKREGSRKKYPPPEP LPPNPKAPEWRDNFEWSDGNGEEPANFNAAG AGSSALRSTNTDAPGPSTRVANGNGKAGPSASLV QKYMDMGFTTEEIVRKAMKDNGDNGADSLVELL LTYQELGNDLKVDNMGFASGCAPQTVDDSDDDDI LENWDDDEDADGGRSTRVANSIDDESEDETGDGYC GNLSDYEGNSNGGRNKGRFMDGNKKKRKRYG GQAQGNRGPLDGSCEEPMPLPNPMVGFNLPDH WTRPVDRSLPTQAIGPPYFYENVALAPKGVWT TISRFLYDIQPEFVDSKYFCAAARKRGYIHNPLE RSSDPPPPPLVQKFLVEEERKWNLAWVGLNKVAP LEPDEMEFLLGFPKDHTRGISRTERYRSLGNSFQ VDTVAYHLSVLKDRYPQGMNVLSTFTGIGGAEV ALHRLGIRMNTVVSVEKSEVNRTILKSWWDQTQ TGTLIEINDVQTLTADRIEAYIRRIGGFDLVIGGSP CNNLAGSNRHHRDGLEGEHSSLFYHYFRILDSV KSIMERL	2898777; 2898811 2899134; 2899651 2900382; 2900457 2900535; 2900650 2905992; 2906122 2910057; 2910439 2910766; 2910886 2911128; 2911233 2911309; 2911355 2911451; 2911618 2913481; 2913522 2913620; 2913996 2914159; 2914783
2	MPVQFGGRRAYVSRCDLEEKEIRRLTPSLPAPSSK KSGQSRDGGGRPSRTPAHPRLPPPPRSGADGDG WGGAAEVVRGEAVERRAERGHAVRSLQFRRHSF LRLGRGKREGSRKKYPPPEPLPPNPKAPEWRDNF EWSDGNGEEPANFNAAGAGSSALRSTNTDAPG PSTRVANGNGKAGPSASLVQKYMDMGFTTEEIVR KAMKDNGDNGADSLVELLLTYQELGNDLKVDN GFASGCAPQTVDDSDDDDIENWDDDEDADGGRS TRVANSIDDESEDETAGDGYCGNLSDYEGNSNGG RNKGRFMDGNKKKRKRYGGQAQGNRGPLDGS CEEPMPLPNPMVGFNLPDHWTRPVDRSLPTQAI GPPYFYENVALAPKGVWTTISRFLYDIQPEFVD SKYFCAAARKRGYIHNPLERSSDPPPPPLVQKFL LEEERKWNLAWVGLNKVAPLEPDEMEFLLGFPK DHTRGISRTERYRSLGNSFQVDTVAYHLSVLKDR YPQGMNVLSTFTGIGGAEVALHRLGIRMNTVVS VEKSEVNRTILKSWWDQTQTGTLIEINDVQTLTA DRIEAYIRRIGGFDLVIGGSPCNNLAGSNRHHRDG LEGEHSSLFYHYFRILDSVKSIMERL	2910045; 2910439 2910766; 2910886 2911128; 2911233 2911309; 2911355 2911451; 2911618 2913481; 2913522 2913620; 2913996 2914159; 2914783
3	MDHHLTPPPPPPMGNSAAGASSKPPTPASTPN SRLASAPSSRHAATPPHASAAASAPAPASRTVYS DRFIPSRTGSNLALFDLAPSPSSAASSSHDAGP AASSGSAQPAASPYCTLLRAALFGPDTPDRVASS	4970385; 4971014 4971235; 4971357 4972400; 4972579 4973519; 4973581

	AAACSSSSSSSFSPGSPVGTTPATGNIFRFKTEVRR NAKRALFSGDQEEDALFPGIFTRGAGPRKVPRS PYKVLDPALQDDFYLNLDWSSHNVLAVGLG NCVYLWNAACSSKIWDATRCKRIRTMESHMRVVG ALAWSSSLLSSGSRDKSILHHDIRAQEDYVSKLT GHKSEVCGLKWSYDNRQLASGGNDNGLFVWNP HSVQPVLKYTEHTAAVKAIAWSPHLHGLLASGG GTADRCIRFWNTTTNTHLSCVDTGSQVCNLAWS KNVNELVSTHGYSQNQIIVWRYPTMSKLATLTGH TYRVLYLAISPDGQTIVTGAGDETLRFWNVFP SPKSQSSDSLSCIGGTSFVRSYIR	4973680; 4973874 4974606; 4974707 4974787; 4974849 4974942; 4975010 4975124; 4975183
4	MGARRRLLADTPPEHRHRQGAPASDWSAGYLN GWLSQPTPIFGLRLWVLVGIAVGAAIVLVLVLLIFV CLSHRRRRRGDLLAANLYPAGDTKLLKQHLQHQ ATPTKDIQEIVRRQQAETPPPPAVQLAKAVAEPKT PPPPPPQHRQPARKTPGSGGSERDGATPRSTGSA GMPEVSHLGGWHWFTLRELEEATDGLTEENVIG EGGYGIVYKGTLDSTLIAVKNLLNRRGQAEKE FKVEVEAIGRVRHKNLVRLGVCVEGAYRMLVY EYVDNGNLDQWLHGDVGEVSPLTWDVRMNMIM LGTAKGLAYLHEGLEPKVVHRDIKASNILLDQQ WNARVSDFGLAKLLWSEKSYVTTRVMGTFGYV APEYASTGMLNERSDVYSFGVLIMEIITGRSPVD YTRAAGEVNLVEWLKTMVAERKAEEVLDPKMA EKPSPKTLKRALLVALRCVDPDANKRPKMGHVI HMLEMDDLFRDDKKPGRDVPHGSDRYSSKE EGSISKREHHHHHHHRHR	6321054; 6321170 6321275; 6321484 6321578; 6321707 6321806; 6321976 6322778; 6322900 6323014; 6323118 6323727; 6324415
5	MPPWPHTDAELAHATVHVPRRRRDARVSPPSRA YVSMYLEQKRFRQHCRGAHRCESVLVPSPPGPD STIHL CIPP KHYETVCTAPIKVVCKDFPRPPLESTI NYLEAGQLSSFFRNSEPSKPLQVVVAGAGLAGL STAKYLADAGHKPILLEARDVLGGKVAWAKDED GDWYETGLHIFWIWAILRNNEMLTWPEKVKFAI GLLPAMVGGQPYVEAQDGLTVSEWMKKQEKHG SKMAFLDGNPPERLCMPIVDHIRSRGGEVRLNSR IKKIELNPDGTVKHFALSDGTQITGDAYVCATPV DIFKLLVPQEWSEITYFKKLEKLVGVPVINVHIWF DRKLNNTYDHLLFSRSSLLSVYADMSVTCKEYY DP NRSMLLELVFAPADEWIGRSDTEIIDATMEELAKLF PDEIAADQSKAKILKYHIVKTPRSVYKTVPNCEP CRPLQRSPIEGFYLAGDYTKQKYLASMEGAVLS GKLCAQSIVQGNRVLDTMSAGWTDERHMLYISS MEASFVDQLYNHGNHPQDANGAGFKVLRGV WEYIEYEKTSAPSDAVEASVGDHESGTQASRKSP SVSHGRERGAXVSDQNFADDEAEAETESMKAC KKRRLSRALHSGAE	17591888; 17592148 17596441; 17596573 17596692; 17596780 17596879; 17596936 17597749; 17597897 17598749; 17598962 17599035; 17599137 17599262; 17599309 17599450; 17599495 17600391; 17600578 17600688; 17600850 17603474; 17603671 17603756; 17603852 17604247; 17604356
6	MVLEATMICIDNSEWMRNGDYAPSRFQAQADAV NLICGAKTQSNPENTVGVMTMAGKGVRLVTPT SDLGKILACMHGLEVGAEANLAAAIQVAQLALK HRQNKRRQQRIIAFIGSPVKYDKKVLLETIGKKLK KNNVALDIVDFGESDDEKPEKLEALIAAVNSSDS SHIVHIPGENALSDVLLSTPIFTGEEGGSGFAASA AAAAATGASGFVDFPNVDPELALALRLSMEE	33066932; 33066982 33067887; 33067955 33068048; 33068145 33068950; 33069073 33070194; 33070497 33070578; 33070787 33070869; 33070983

	ERARQEAIAKKAAEDTSNTEHNNVPSSNSDSVM AEGEPASNAAGDKEQPKDDDDLLQQALAMSM EGGASGSAAVTDSAMAEAGAVDPDLALALQMS VQDANMSSDTDMSKVFEDRTFVSSILNSLPGVDP NDPSV KDLLASLHSQGEQEKKEDTSDKTEDDKN	33071150; 33071255 33071366; 33071479 33071565; 33071576
7	MDPKGKGIVINDKEKESFVNEPKDDKPTDTSSG HRRKEGKKKKTRRIKEIVYYDDSESSSSQKDN DDNDYDKQKTIHKNAQATTVLLASLCRDEYHK VSGLDNAKQIWDTLKISHEGNDVTLTKMELVE GELGRFAMIRGEEPTQTYNRLKILINKIRSYGSTR WTDHDVVRMLRDEYHKVSGLDNAKQIWDTL KISHEGNDVTLTKMELVEGELGRFAMIRGEEPT QTYNRLKILINKIRSYGSTRWTDHDVVRMLRSF TVLDPHLVNNIRENPRYIKMSPEEILGKFVSGRM MIKEARYVDDALNGPIHEPQPIALKATRSKEALP SKVAQIEEAGLNDEEMALIIRKFKTALKGRKGQP SKTKTKGKRSCFKCGKLGHFIANCPDNDSQEH GSKREKKKHYKKTGGEAHIGKEWSDSCSSSDSD NEGLAATAFNKSSLFPNERHTCLMAREKKTAPAS QPRPPARRDSRDPPAHRIPRELPTRPPQSPRTPH PPSTIPACHVRNSSPRPAKQFGAGAAVALAAALV GILACLVLGLKPPAYAVQVLAIFSLGNASSAALS PGFDATVRTDNRNDRLGVRYEGGRGRVSVSYGG ALLADDARPALYQAPRNVTVVVARARGSGVRLS RSVREQLAAAERLRLVSFDVDVDVPVRLQLGEV RTWAVPLRACCTVAVDRLAVDARVVSSCDVKE LPYMLWPLLYLLDSLSSQYRAAAAASCLPTLPIA APPRNATSGRATQPSPKPSYRGTPSNPPWYNND DEAVVTPSIPYDPPALWKVFEKVVERLMIDVLF GVLLSGGLDSSLVAIIVRHLTGTEAARRWGTKL HSFCVGLEGSTDLKAAREVAEYLGTLHHEFHFT VQDDIDAIEDVIYHTETYDVTTIRASTPMFLMSC KIKSLGVKMVISGEGSDELFGSYLYFHKAPNKEE LHRETCRKVKALHQYDCLRANKATSAWGLEAR VPFLDKEFINAAMSIDPEWKMVWPD LGRIEKWV LRKAFDDEEQPFLPKHILYRQKDQFSDGVGYSWI DGQKAHATSNVTDKMLSNAKFIFPHNTPTTKEA YYYRMVFERFFPQGGKH	43836311; 43836325 43837797; 43837904 43837995; 43838081 43838178; 43838258 43838375; 43838509 43838585; 43839183 43839392; 43839530 43842382; 43843104 43855399; 43856251 43857745; 43858049 43858278; 43858505
8	MGRAPCCEKVGLKRGRWTAEDQLLANYIAEH GEGSWRSLPKNAGLLRCGKSCRLRWINYLRADV KRGNISKEEEDIIKHLATLGNRWSLIASHLPGRT DNEIKNYWNSHLRQIHTYRRKYTAGPDDTAIAI DMSKLOSADRRRGGRTPGRPPKASASRTKQADA DQPGGEAKGPAAAASSPRHSDVVNPGPNQPNS SGSTGTAE EEGPSSSEDASGPWVLEPIELGDLVWG EADSEMDALMPIGPGGHDSAALEGLGAVGCEAQ VDDLFDMDWDGFAAHLWGGPEQDEHSAQLRQ AAEPLEVA AAAAAATAARTPDDRELEAFETWLL SDSF	48241539; 48241671 48241792; 48241921 48251025; 48251769
9	MVVTAAGSAEEAVRRWVDAAGGRLVLDGGLAT ELEANGADLNDPLWSAKCLLSSPHLIRKANHSPQ TLLFATIQQFESKGFSSKEQSENLLTKSVEIALEARE MFLKEHLEKSTPIQHPVLVAASLSYGAYLADGS	171885011; 171885220 171886798; 171887003 171887095; 171887158 171887317; 171887451

	EYSGDYGEAGTKEFLKDFHRRRLQAYVELLEEC NINIPAWFSFNSKDGVHIVSGDSLIECTTIADKCA KVTDKPILIYPNSGERYDGEKKKEWVESTGVS DFVSYVNEWCKDGAVLIGGCCRTTPNTIRAIHRT LNK SPNKQQLPAVE	171887728; 171887799 171887977; 171888147
10	MPERSIPREAAQQIISDELMLDGNPRLNLASFVTT WMEPECDKLIMDSINKNYVDMDEYPVTTELQN RCVNMIAHLFNAPIKEDETAIGVGTVGSSEAIML AGLAFKRKQWQNRKEQGKPCDRPNIVTGANVQ VCWEKFARYFEVELKEVKLSEGYYVMDPVKAV EMVDENTICVAAILGSTLTGEFEDVKQLNDLLTE KNKETGWDVPIHVDAASGGFIAPFLYPELEWDF RLPLVKSINVSCHKYGLVYPGVGVWVIWRSKDDL PEELIFHINYLGTDQPTFTLNFSKGSQCIIAQYYQ LIRLGFEGYRNIMENCQENAILREGIAATGRFD VLSKDAGVPLVAFSLRDSSRFSVFDVSENLRFRG WIVPAYTMPADAHVAVLRVVVREDFSRSLAERL VSDVRKILRELDARATHAVRVATATAEQSGDGVV AKKSVLEIEREVAARWMNAVNKKKTGVC	198083578; 198084051 198084255; 198084307 198084402; 198084655 198084786; 198085000 198085106; 198085306 198085998; 198086195
11	MSSRLDKEKAVNVQVLLRCRPFSDDEVRSNAPQ VITCNDYQREVAVTQSIAGKQFDRVFTFDKSGPK GQLPADAGVIPRAVKQIFDTLERQNTESYVKVTF LELYNEEITDLLAPEEISKATFEDRQKKTLP MEDGKGGVLRGLEEEIVTNASEIFSLLEGRSAKRRTA ETLLNKQSSRSHSLFSITIHKEATPEGEELIKCGK LNLVDLAGSENISRSGAKEVNQKMMKSTLIKDL YGEIDRLKAANQKLISDLQEKYDSELRHSADLSK KLEVTEVGVRLSSLGDAARGNKAFLEHTS SAMEFVTKDAKRKWETFAEQAENDCKAGSSSAVKHC RMETMLQEWTAIENNEQHEVEVASSRAVAEEDT TNSSKDIAQGVENLLEKAQKSSSRVSMVEAHF AELQKLQESHSTQATGINMHADKSFQTSYKDYE PTGETPVRSEPNVPSKGSIESLRAMPMETLM NEFRENHPYESESSKESKLSQIPRLPLATIN	204300950; 204301008 204301119; 204301248 204302008; 204302357 204302435; 204302573 204303568; 204303637 204303965; 204304056 204305666; 204305871 204306310; 204306419 204306510; 204306661 204306774; 204306971
12	MPDGSYGKYPTPRRLATSEIPEIVEQYRQA AVNAIKAGFDGIEIHGAHGYLIDQFLKGGINDRT DEYGGSLSNRCRFLLEVTRAVVSAIGADRVAVRV SPAIDLDAYDSNPLQLGLAVVERLNALQQEAGRLAYLH VTQPRYTAYGQTESGQHGSAAEESRLMRAVRGA YRGTFMCSGGYTRELGVAEIESGDADLVSYGRL FIANPDLVERFRRDAPLNKYVRKTFYTPDPV VGYTDYTFLGQPKARM	207312686; 207313326 207313456; 207313567
13	MARAPSSWTPSLAMVLLVAAA AVVASSEAAARVPAAVGNWTGEELRGAAARRGGRRSRRRAFENG LGRTPQMGWNSWNHFGCGINENLIKQTADALVN TGLAKLGYEYVNIDDCWAESDRDYQGSFVANRQ TFPSGICALADYVHAKGLKGLGIYSDAGTRTCSQK MPGSLDHEEQDVKTFSSWGIDYLYKDYDNCNDAG RSVMERYTKMSNAMKTYGKGIFFSLCEWGRQN PATWAGGMGNSWRTDDIADNWGSMTSRADQN DRWASYAGPGGWNDPDMLEVGNNGMSEAEYR SHFSIWALAKAPLLIGCDVRAMSQQTMGILSNSE VIAVNQGKRQASPRVWAGPLSNNRKAVVLWNR QGYQATITAQWSSIGLASSTAVTARDLWAHSSFS	227599450; 227599533 227599653; 227599793 227600009; 227600125 227600271; 227600353 227600445; 227600509 227600598; 227600681 227600796; 227600861 227600978; 227601036 227601131; 227601206 227601320; 227601423 227601784; 227601818 227601928; 227601984

	AQGQLSASVPPHDCKMYVLTPN	227603231; 227603289 227604231; 227604448
14	<p>MLSGIIDGLTGANKHARLKGTVVLMRKNVLDLN DFGATVVDSEIFLKGKGVTCQLISSTLVDANNGN RGRVGAEANLEQWLTSPLSLTTGESKFGVTFDW EVEKLGVPGAVVVKNNHAAEFFLKTTLLDDVPG RGAVTFVANSWVYPAGKYRYNRVFFSNDTYLPS QMPAALKPYRDELRLNRGDDQQGPYQEHDRV YRYDVYNDLGEPDGGNRPILGGSADHPYPRRC RTGRKPTKTDPNSESRLSLVEQIYVPRDERFGHL KMSDFLGYSIKAITQGIIPAVRTYVDTTTPGEFDSF QDIINLYEGGIKLPKIQALEDMRKLFPQLVKDLL PAGGDYLLKLPQPQIIQGTSQDKNAWRTDEEFARE VLAVGNPMVITRLTEFPKSTLDPSKYGDHTSTIT AEHIEKNLEGLTVQQALDGNRLYILDHHRFMPF LIDVNNLEGNFIYATRTLFFLRGDGRLAPLAIELS EPYIDGDLTVAKSKVYTPASSGVEAWVWQLAKA YVAVNDSGWHQLVSHWLNTHAVMEPFVIATNRQ LSVTHPVHKLLSSHFRDTMTINALARQTLINGGG IFEMTVFPGKYALGMSSVVYKSWNFTEQGLPAD LVKRGVAVADPSSPYKVRLIEDYPYASDGLAIW HAIEQWVGEYLAIYYPDDGALRGDEELQAWWK EVREVGHDHDKDAPWWPKMQAVSELASACTTII WIASALHAAVNFGQYPYAGYLPNRPTVSRRRMP EPGSKEYEELERDPERGFIHTITSQIQTIIIGISLIEIL SKHSSDEVYLGQRDTPEWTSARALAAFKRFS ALVKIEGKVVGENRDPQLRNRNGPAEFPYMLLY PNTSDHSGAAAGLTAKGIP NSISI</p>	266313319; 266313508 266314089; 266314381 266315320; 266315557 266315653; 266315997 266316094; 266316179 266316253; 266316668 266316797; 266317832
15	<p>MPAALKPYRDELRLNRGDDQQGPYQEHDRVY RYDVYNDLGEPDGGNRPILGGSADHPYPRRCR TGRKPTKTDPNSESRLSLVEQIYVPRDERFGHLK MSDFLGYSIKAITQGIIPAVRTYVDTTTPGEFDSFQ DIINLYEGGIKLPKIQALEDMRKLFPQLVKDLLP AGGDYLLKLPQPQIIQGTSQDKNAWRTDEEFARE VLAVGNPMVITRLTEFPKSTLDPSKYGDHTSTIT AEHIEKNLEGLTVQQALDGNRLYILDHHRFMPF LIDVNNLEGNFIYATRTLFFLRGDGRLAPLAIELS EPYIDGDLTVAKSKVYTPASSGVEAWVWQLAKA YVAVNDSGWHQLVSHWLNTHAVMEPFVIATNRQ LSVTHPVHKLLSSHFRDTMTINALARQTLINGGG IFEMTVFPGKYALGMSSVVYKSWNFTEQGLPAD LVKRGVAVADPSSPYKVRLIEDYPYASDGLAIW HAIEQWVGEYLAIYYPDDGALRGDEELQAWWK EVREVGHDHDKDAPWWPKMQAVSELASACTTII WIASALHAAVNFGQYPYAGYLPNRPTVSRRRMP EPGSKEYEELERDPERGFIHTITSQIQTIIIGISLIEIL SKHSSDEVYLGQRDTPEWTSARALAAFKRFS ALVKIEGKVVGENRDPQLRNRNGPAEFPYMLLY PNTSDHSGAAAGLTAKGIPNSISI</p>	266315338; 266315557 266315653; 266315997 266316094; 266316179 266316253; 266316668 266316797; 266317832
16	<p>MGEAVTAAELLYGMPLIRSVAGDGAGAGVETAG CGALLVELKQLWGEIGKSREERERMVRELEAEC MRVYRRKVDEATGERAALHQSLAAGEAIAALA AALGSDSGPQLKVRARAVSFLQVNKWTMSLT ERVSSATALLEELRAVKAERSRQFADVRSEIEKIT</p>	268179977; 268180324 268180407; 268180555 268180660; 268180747 268180839; 268180990 268181073; 268181232

	AEIAGRSYGYEGSPRASEVGEHDLTIRRLNEYRA RLTSFQKEKSDRLHRVLEHVTEVHSLCDVLGEDF IAIVNEVHPGLHETSDPGKPTSISDSTLATLAQVV ATLAAEKAKRATMLREAVVPLVELWELMDSSEE ERRSFRNVA AVLNPDKLDALPSGVLSVATIKKTE EEVERLTRLKAGRMKELVLKRRLELESICRSMHV EPDASTVPEKSIALIDSGLVNPSSELMASIDEQIAK AREELQSRREIMEKINKWLLACEEEEWLEEYNT DENRFSTGRIARLNLKRAEKARLIITKIPAVIDSLM SRTLAWESERKKPFLYDGARLVAVLEEHLKQARLR QEEERRRLREQKKLRLLSEKEAMPHLKRPGSSF GRAAEPCKVNRKRVDAGRLASSGGSGTTTSSSSS GGGGASATELIRPRSSAAGAGQCGEFFKGARRLS APPFNYVAVSKGRSMSSSLALS	268181345; 268181500 268181610; 268181828 268182335; 268182631 268182740; 268182946 268183097; 268183222
17	MATAAAASRVAVSAPVFGSDGGARSSGIKGNNN VSFGSKSWVGGTLAWESSCSVRPRRASKVLCMS VQQASRSKVSVAPLHLESAKEPPLNTYKPKPFT ATIVSVESLVGPKAPGETCHIVIDHGGNVYPYWEG QSYGVIPDPSPKNGVCSNFLCNSKPGDKIQLTGPS GKIMLLPEEDPNATHIMIATGTGVAPFRGYLRRM FMEDVPNYRFGGLAWLFLGVANSDSLTYDEEFT SYLKQYPDNFRYDKALSREQKNRSGGKMYVQD KIEEYSDEIFKLLDGGAHYFCGLKGMMPIQDT LKKVAERRGESWDQKLAQLKKNKQWHVEVY	284056282; 284056540 284056725; 284056965 284057635; 284057707 284058255; 284058593 284059037; 284059096 284059196; 284059222
18	MNALAATSRNFKQAAKLLGLDSKLEKSLIPFRE IKVDPDEVNALAQLMTWKTAVANIPYGGAKGGI GCSPGDLSISELERLTRVFTQKIHDLIGIHTDVPAP DMGTNSQTMAWILDEYSKFGYSPAVVTGKPVD LGGSLGRDAATGRGVLFATEALLAEHGKGIAGQ RFVIQFGNVGSWAAQLISEAGGKVIAISDVTGA VKNVDGLDIVQLVKHSAENKGIKGFKGDDAIAP DSLLEECDVLIPAALGGVINK	286269306; 286269413 286270452; 286270673 286270782; 286270856 286271122; 286271238 286271468; 286271722