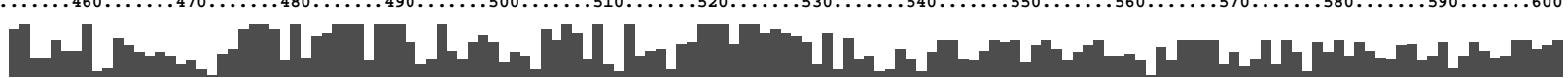


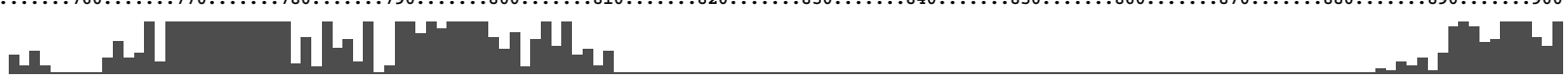
gi|30690426|ref|NP_198035.2|...EMFSENFKVEIINGLPADM-ITIVVRCGPLVDLRCRPHIPNT...SFKVAFACLRASSAYWKGDKDRESLORVYGISVDPKQLKYLQFLBEAKKYDHRLLGQKQELFFSH-QLSPGSAFFPLPGTRVYRNLMDLFIKQYVHWRGYTEVITP 369
gi|115475758|ref|NP_001061475.1|...EMFAENKFKVEIINGLPEDK-ITIVVRCGPLVDLRCRPHIPNT...SFKVAFACLRASSAYWKGDKDRESLORVYGISVDPKSKRLKEYKHLLEBAEKDRHLLGQKQELFFSH-QLSPGSCFFLPHGAIITYNKMLDFLRQYRDRGYOEVLSF 405
gi|50310653|ref|XP_455348.1|...KMFHYSKYKTYLVQVTRKIPDGGATTVVRCGSLIDLCTGPHIPIHTGRIKAFKLLKNSCYFLGDNNNSLORVYGISVDPDKLMDAHLKFLAEASMRDHRKIGREELFFVFN-EMSPGSCFWLPHGIRIYNTLVLDLRLNEYRKRGVDEVITP 391
gi|45185649|ref|NP_983365.1|...KMFHYSKYKTYLVQVTRKIPDGGSTTVVRSKGLIDLCTGPHIPIHTGRIKAFKLLKNSCYFLGDSNDLORVYGIASFDDKLLMDAHLKFLAEAKDRHRIKIGREELFMFN-EMSPGSCFWLPHGIRIYNTLVLDLRLNEYRKRGVDEVITP 372
gi|14318437|ref|NP_116578.1|...KMFHYSKYKTYLVQVTRKIPDGGATTVVRCGKLLIDLCTGPHIPIHTGRIKAFKLLKNSCYFLGDATNSLORVYGISVDPDKLMDAHLKFLAEASMRDHRKIGREELFFLN-EMSPGSCFWLPHGIRIYNTLVLDLRLNEYRKRGVDEVITP 382
gi|19113156|ref|NP_596364.1|...EMFRYKVKQYIITQKIPDGGATTVVRCGSLIDLCTGPHIPIHTGRIKAFKLLKNSCYFLGDADNSLORVYGISVDPDKLMDAHLKFLAEAKDRHRIKIGREELFFVFN-EMSPGSCFFLPHGAIYNTLVLDLRLNEYRKRGVDEVITP 373
gi|39942942|ref|XP_361008.1|...EMFKYKVKQYIITQKIPDGGATTVVRCGSLIDLCTGPHIPIHTGRIEFAFAMKNSAYFLGDKDNDLORVYGISVFPDKQLTEYQKFLBEAKDRHRIKIGREELFFVFN-DYSPGSAFWLPHGIRIYNTLVLDLRLNEYRKRGVDEVITP 385
gi|32421425|ref|XP_331156.1|...KMFAYNPKYQHIIKDKLIDGTRITTVVRNGPLIDLRCRPHVDDT...SRIEFAFAMKNSAYFLGDANNSLORVYGISVFPDKKQMAAHHKFLBEAKDRHRIKIGQKQELFFVFE-ECSPGSAFWLPHGIRIYNTLVLDLRLNEYRKRGVDEVITP 374
gi|24583839|ref|NP_723725.1|...EMFKYNEFKVIRILNEKVTID-RITTVVRCGSLIDLRCRPHVHTGKVKALKITKNSSTYWEKADAEITLORVYGISVFPDKQLKEWEKLEBAEKDRHRIKIGREELFFVFN-ELSPGSCFFQPRGAHIYNTLVLDLRLNEYRKRGVDEVITP 401
gi|158299584|ref|XP_319682.4|...RMFEYNDPKVIRILNEKVTIE-ITTVVRCGPLIDLRCRPHVHTGKVKALKVKNNSATYWEKADAEITLORVYGISVFPDKQLKEWEKLEBAEKDRHRIKIGREELFFVFN-ELSPGSCFFQPRGAHIYNTLVLDLRLNEYRKRGVDEVITP 415
gi|27229277|ref|NP_149065.2|...EMFKYKFKCRILNEKVTIE-ITTVVRCGPLIDLRCRPHVHTGKIKALKIHKNSSTYWEKADMETLORVYGISVFPDKQLKEWEKLEBAEKDRHRIKIGRDQELFFVFN-ELSPGSCFFLPHGAIYNTLVLDLRLNEYRKRGVDEVITP 374
gi|55741823|ref|NP_001006977.1|...EMFKYKFKCRILNEKVTIE-ITTVVRCGPLIDLRCRPHVHTGKIKALKIHKNSSTYWEKADMETLORVYGISVFPDKQLKEWEKLEBAEKDRHRIKIGRDQELFFVFN-ELSPGSCFFLPHGAIYNTLVLDLRLNEYRKRGVDEVITP 347
gi|38202255|ref|NP_689508.3|...AMFKYKFKCRILNEKVTIE-ITTVVRCGPLIDLRCRPHVHTGKIKALKIHKNSSTYWEKADMETLORVYGISVFPDKQLKEWEKLEBAEKDRHRIKIGRDQELFFVFN-ELSPGSCFFLPHGAIYNTLVLDLRLNEYRKRGVDEVITP 375
gi|114600742|ref|XP_001153971.1|...AMFKYKFKCRILNEKVTIE-ITTVVRCGPLIDLRCRPHVHTGKIKALKIHKNSSTYWEKADMETLORVYGISVFPDKQLKEWEKLEBAEKDRHRIKIGRDQELFFVFN-ELSPGSCFFLPHGAIYNTLVLDLRLNEYRKRGVDEVITP 375
gi|73954351|ref|XP_536509.2|...EMFKYKFKCRILNEKVTIE-ITTVVRCGPLIDLRCRPHVHTGKIKALKIHKNSSTYWEKADMETLORVYGISVFPDKQLKEWEKLEBAEKDRHRIKIGRDQELFFVFN-ELSPGSCFFLPHGAIYNTLVLDLRLNEYRKRGVDEVITP 432
gi|77735697|ref|NP_001029542.1|...EMFKYKFKCRILNEKVTIE-ITTVVRCGPLIDLRCRPHVHTGKIKALKIHKNSSTYWEKADMETLORVYGISVFPDKQLKEWEKLEBAEKDRHRIKIGRDQELFFVFN-ELSPGSCFFLPHGAIYNTLVLDLRLNEYRKRGVDEVITP 375
gi|71895375|ref|NP_001026618.1|...EMFKYKFKCRILNEKVTIE-ITTVVRCGPLIDLRCRPHVHTGKIKALKIHKNSSTYWEKADMETLORVYGISVFPDKQLKEWEKLEBAEKDRHRIKIGRDQELFFVFN-ELSPGSCFFLPHGAIYNTLVLDLRLNEYRKRGVDEVITP 363
gi|54400362|ref|NP_001005932.1|...EMFKYKFKCRILNEKVTIE-ITTVVRCGPLIDLRCRPHVHTGKIKALKIHKNSSTYWEKADMETLORVYGISVFPDKQLKEWEKLEBAEKDRHRIKIGRDQELFFVFN-ELSPGSCFFLPHGAIYNTLVLDLRLNEYRKRGVDEVITP 303
gi|71984184|ref|NP_001022033.1|...EMFKYNEFKVIRITTEKIHIT-KITTVVRCGPLIDLRCRPHVHTGKVKAMAITKNSSTYWEKADAEITLORVYGISVFPDKQLKEWEKLEBAEKDRHRIKIGREELFFVFN-QLSPGSAFWYPKGAIYNTLVLDLRLNEYRKRGVDEVITP 374
gi|124804231|ref|XP_001347941.1|...ELFDYVDFPKLELRKIPDNNKISVSVRCGNFIDLRCRPHIPIHTGKVKITFKVLLKNSAYWKGKENDSLORVYGISVFPDKSKSELVEYLKFLBEAKDRHRIKIGREELFFVFN-QLSPGSCFWLPHGIRIYNTLVLDLRLNEYRKRGVDEVITP 584



gi|30690426|ref|NP_198035.2|...NMYNMLWQTSCHADNYKDNMFIFNIEKQEFGLKPMNCPGCLIFQHRVRSYRELPMRLADFGVLHREASGALSGLTRVRRFOODAHIFCTDQVQVGEVQGVLEFIDYVYK-VFGFTVELKLSLRPE-KYLGDLTEWDAADLKEAL 517
gi|115475758|ref|NP_001061475.1|...NLYNMLWQTSCHADNYKDNMFIFNIEKQEFGLKPMNCPGHALMFAHRRSYRELPMRLADFGVLHREASGALSGLTRVRRFOODAHIFCREDDIKDEILDLDLDFLRKMYT-VMGALTEWDAADLKEAL 553
gi|50310653|ref|XP_455348.1|...NMYNSKLWETSCHWANNYKDNMFIFVEKEKTFGLKPMNCPGCLMFKARERSYRELPMRVADFGVLIHREASGALSGLTRVRRFOODAHIFCTDQVQVGEVQGVLEFIDYVYK-VFGFEFKMELSTRPE-KYVGELETWNAESKLEAL 539
gi|45185649|ref|NP_983365.1|...NMYNSKLWETSCHWANNYKDNMFIFVEKEKTFGLKPMNCPGCMVFKSRRSRYRELPMRVADFGVLIHREASGALSGLTRVRRFOODAHIFCAODITETIEGLDFLKYVYG-VFGFEFKMELSTRPE-NVVDGIEVWDAEAKLEAL 520
gi|14318437|ref|NP_116578.1|...NMYNSKLWETSCHWANNYKDNMFIFVEKEKTFGLKPMNCPGCLMFKSRRSRYRELPMRVADFGVLIHREASGALSGLTRVRRFOODAHIFCTDQVQVGEVQGVLEFIDYVYK-VFGFEFKMELSTRPE-KYVGELETWNAESKLEAL 530
gi|19113156|ref|NP_596364.1|...NMYNVNLWQTSCHWANNYKDNMFIFDIEKEKVALKPMNCPGCMVFKSRRSRYRELPMRVADFGVLIHREASGALSGLTRVRRFOODAHIFCTDQVQVGEVQGVLEFIDYVYK-VFGFEFKMELSTRPE-KYVGELETWNAESKLEAL 492
gi|39942942|ref|XP_361008.1|...NIYNADLWQTSCHWANNYKDNMFIFDIEKEKVALKPMNCPGHALMFAHRRSYRELPMRVADFGVLIHREASGALSGLTRVRRFOODAHIFCREDDIKDEILDLDLDFLRKMYT-VMGALTEWDAADLKEAL 533
gi|32421425|ref|XP_331156.1|...NMFNVALWQTSCHLAHYKDNMFIFDIEKEKVALKPMNCPAHAMFRHRRSYRELPMRLADFGVLHREASGALSGLTRVRRFOODAHIFCREDDIKAEVADLDFDMKSYFG-MGLGTFKLLSTRPE-KYMGAIETWDAADLKEAL 522
gi|24583839|ref|NP_723725.1|...NIFYNAKLWQTSCHWANNYKDNMFIFDIEKEKVALKPMNCPGCLIFDHRNRYSRELPMRLADFGVLHREASGALSGLTRVRRFOODAHIFCAPBQIKSEEMKGLFLKLVYVY-VFGFEFKMELSTRPE-NVVDGIEVWDAEAKLEAL 549
gi|158299584|ref|XP_319682.4|...NIFYNAKLWQTSCHWANNYKDNMFIFDIEKEKVALKPMNCPGCLMFDHRNRYSRELPMRLADFGVLHREASGALSGLTRVRRFOODAHIFCMPODIRREITGCLDFLRHVYV-VFGFEFKMELSTRPE-KYVGELETWNAESKLEAL 563
gi|27229277|ref|NP_149065.2|...NIFNSRLWQTSCHWANNYKDNMFIFDIEKEKVALKPMNCPGCLMFDHRNRYSRELPMRLADFGVLHREASGALSGLTRVRRFOODAHIFCAMEQIIDEIKGCLDFLRTVYS-VFGFEFKMELSTRPE-KYVGELETWNAESKLEAL 522
gi|55741823|ref|NP_001006977.1|...NIFNSRLWQTSCHWANNYKDNMFIFDIEKEKVALKPMNCPGCLMFDHRNRYSRELPMRLADFGVLHREASGALSGLTRVRRFOODAHIFCAMEQIIDEIKGCLDFLRTVYS-VFGFEFKMELSTRPE-KYVGELETWNAESKLEAL 523
gi|38202255|ref|NP_689508.3|...NIFNSRLWQTSCHWANNYKDNMFIFDIEKEKVALKPMNCPGCLMFDHRNRYSRELPMRLADFGVLHREASGALSGLTRVRRFOODAHIFCAMEQIIDEIKGCLDFLRTVYS-VFGFEFKMELSTRPE-KYVGELETWNAESKLEAL 523
gi|114600742|ref|XP_001153971.1|...NIFNSRLWQTSCHWANNYKDNMFIFDIEKEKVALKPMNCPGCLMFDHRNRYSRELPMRLADFGVLHREASGALSGLTRVRRFOODAHIFCAMEQIIDEIKGCLDFLRTVYS-VFGFEFKMELSTRPE-KYVGELETWNAESKLEAL 523
gi|73954351|ref|XP_536509.2|...NIYNSRLWQTSCHWANNYKDNMFIFDIEKEKVALKPMNCPGCLMFDHRNRYSRELPMRLADFGVLHREASGALSGLTRVRRFOODAHIFCAIBQIIDEIKGCLDFLRTVYS-VFGFEFKMELSTRPE-KYVGELETWNAESKLEAL 580
gi|77735697|ref|NP_001029542.1|...NIFNSRLWQTSCHWANNYKDNMFIFDIEKEKVALKPMNCPGCLMFDHRNRYSRELPMRLADFGVLHREASGALSGLTRVRRFOODAHIFCAMEQIIDEIKGCLDFLRTVYS-VFGFEFKMELSTRPE-KYVGELETWNAESKLEAL 523
gi|71895375|ref|NP_001026618.1|...NIFNSKLWQTSCHWANNYKDNMFIFDIEKEKVALKPMNCPGCLMFDHRNRYSRELPMRLADFGVLHREASGALSGLTRVRRFOODAHIFCAMEQIIDEIKGCLDFLRTVYS-VFGFEFKMELSTRPE-KYVGELETWNAESKLEAL 511
gi|54400362|ref|NP_001005932.1|...NIFNSKLWQTSCHWANNYKDNMFIFDIEKEKVALKPMNCPGCLMFDHRNRYSRELPMRLADFGVLHREASGALSGLTRVRRFOODAHIFCAMEQIIDEIKGCLDFLRTVYS-VFGFEFKMELSTRPE-KYVGELETWNAESKLEAL 424
gi|71984184|ref|NP_001022033.1|...NMYNKLWQTSCHWANNYKDNMFIFDIEKEKVALKPMNCPGCLMFGMPTVYVNEFLPFRADFGVLHREASGALSGLTRVRRFOODAHIFCAMEQIIDEIKGCLDFLRTVYS-VFGFEFKMELSTRPE-KYVGELETWNAESKLEAL 523
gi|124804231|ref|XP_001347941.1|...NVFSCDLWQTSCHWANNYKDNMFIFDIEKEKVALKPMNCPGCLMFKQLNVYSRSLVRLADFGVLHREASGALSGLTRVRRFOODAHIFCAMEQIIDEIKGCLDFLRTVYS-VFGFEFKMELSTRPE-KYVGELETWNAESKLEAL 732



gi|30690426|ref|NP_198035.2|...EAFGK---PLVLNEGDFGAFYGPKIDITVFDAMNRFQCATLQDFLPIRFNLYIAA-----EDEAKKSRFVMIHRAVLG 589
gi|115475758|ref|NP_001061475.1|...EAFGK---PWINEGDFGAFYGPKIDITVFDALRRKRFQCATLQDFLPIRFNLYISA-----EDEAKLRFPVMIHRAVLG 625
gi|50310653|ref|XP_455348.1|...KKGWG---NWEINPGDGFYGPKIDIMISDALRWRHOCATIQDFLPIRFNLYEYK-----KLELG-----SDNYERFVMIHRAVLG 614
gi|45185649|ref|NP_983365.1|...KKGWG---DWEINEGDFGAFYGPKIDIMISDALRWRHOCATIQDFLPIRFNLYEYK-----KNGD-----ENAYERFVMIHRAVLG 594
gi|14318437|ref|NP_116578.1|...KKGWG---NWEINAGDGFYGPKIDIMISDALRWRHOCATIQDFLPIRFNLYEYK-----KDDQ-----SESYERFVMIHRAVLG 604
gi|19113156|ref|NP_596364.1|...DASGY---KWEINAGDGFYGPKIDITVFDALRWRHOCATIQDFLPIRFNLYEYK-----KNGD-----NNKYTRFVMIHRAVLG 574
gi|39942942|ref|XP_361008.1|...DEFAASEGGVAVELNAGDGFYGPKIDIAIMDLNREWCATIQDFLPIRFNLYEYK-----KNGD-----PGCARFVMIHRAVLG 669
gi|32421425|ref|XP_331156.1|...NEFVAAIG---TWELNEGDFGAFYGPKIDIAVLCNLRWOCATIQDFLPIRFNLYEYK-----ADAKAQDQEDKAAKAPAP-----KEEAEAPKEGEEKKALLVKKPLTAGCARFVMIHRAVLG 642
gi|24583839|ref|NP_723725.1|...NEFGM---PWKENPGDGFYGPKIDITIMDALKRAHOCATIQDFLPIRFNLYEYK-----KNGD-----DQ-EKKRFPVMIHRAVLG 620
gi|158299584|ref|XP_319682.4|...DKFGE---PWKENPGDGFYGPKIDITIMDALKRNHOCATIQDFLPIRFNLYEYK-----KNGD-----DQ-EKKRFPVMIHRAVLG 634
gi|27229277|ref|NP_149065.2|...NEFGE---KWEINPGDGFYGPKIDIQKDAIGRYHOCATIQDFLPIRFNLYEYK-----KNGD-----HDGDKKRPVMIHRAVLG 594
gi|55741823|ref|NP_001006977.1|...NEFGE---KWEINPGDGFYGPKIDIQKDAIGRYHOCATIQDFLPIRFNLYEYK-----KNGD-----HDGDKKRPVMIHRAVLG 567
gi|38202255|ref|NP_689508.3|...NEFGE---KWEINSGDGFYGPKIDIQKDAIGRYHOCATIQDFLPIRFNLYEYK-----KNGD-----HDGDKKRPVMIHRAVLG 595
gi|114600742|ref|XP_001153971.1|...NEFGE---KWEINSGDGFYGPKIDIQKDAIGRYHOCATIQDFLPIRFNLYEYK-----KNGD-----HDGDKKRPVMIHRAVLG 595
gi|73954351|ref|XP_536509.2|...NEFGE---KWEINPGDGFYGPKIDIQKDAIGRFHOCATIQDFLPIRFNLYEYK-----KNGD-----HDGDKKRPVMIHRAVLG 652
gi|77735697|ref|NP_001029542.1|...NDFGE---KWEINPGDGFYGPKIDIQKDAIGRYHOCATIQDFLPIRFNLYEYK-----KNGD-----HDGDKKRPVMIHRAVLG 595
gi|71895375|ref|NP_001026618.1|...NDFGE---KWEINPGDGFYGPKIDIQKDAIGRYHOCATIQDFLPIRFNLYEYK-----KNGD-----HDGDKKRPVMIHRAVLG 583
gi|54400362|ref|NP_001005932.1|...NDFGE---KWLINPGDGFYGPKIDIQKDAIGRYHOCATIQDFLPIRFNLYEYK-----KNGD-----HDGDKKRPVMIHRAVLG 496
gi|71984184|ref|NP_001022033.1|...NASGR---KWLINPGDGFYGPKIDITTDALKRNFQCATIQDFLPIRFNLYEYK-----KNGD-----EKG-EKQRFVMIHRAVLG 594
gi|124804231|ref|XP_001347941.1|...YAANV---QWKINEGDFGAFYGPKIDILVKSRLNRHOCATIQDFLPIRFNLYEYK-----KNGD-----EKG-EKQRFVMIHRAVLG 877



```

gi|30690426|ref|NP_198035.2|      *:*:*:* * * * * *      *:*:*:* * * * * *      *:*:*:* * * * * *      *:*:*:* * * * * *      *:*:*:* * * * * *      *:*:*:* * * * * *      *:*:*:* * * * * *      *:*:*:* * * * * *      *:*:*:* * * * * *      *:*:*:* * * * * *
SVERMFAILLLEHYNGKW-----PFWISPRQAIVCPISEKQQYAEKVRQIKIDAGFYVDADLT-DRKIDKKVREAOQAQYNYILVVGTEAAAGQVSVVRVD---NAASVKSIEDLLEEFKAKTAEFV----- 709
gi|115475758|ref|NP_001061475.1|SVERMFAILLLEHYNGKW-----PLWLSPRQAIVCISISSNVEYAKQVRRARIEHAGFHVADIDET-DRTIQKKVREAOQAQYNYILVVGAEAEIGQVSVVRVD---KAELATVSIIDDIITRFKEEVAAYK----- 745
gi|50310653|ref|XP_455348.1|SVERMTAILLTEHFAGKW-----PFWLSPROILVVPVGVKQBYAEVRDKMVEAGFYADVDLT-GNLLQKKVRNGQMLKYNFIFIVGQEMTEKSVNIRNRDVMDLQGNATVQVDAVINQLSKLKEKRADNVLA----- 744
gi|45185649|ref|NP_983365.1|SVERMTAILLTEHYAGKW-----PFWLSPROVLVVPVGVKQDYAQIQRDKLVGAGFYADADLG-SNLLQKKVRTGQMLKYNFIFIVGQEMNENSVNIRNRDVTDLQGNATVQVDAVINQLSKLKEKRADNVLA----- 724
gi|14318437|ref|NP_116578.1|SVERMTAILLTEHFAGKW-----PFWLSPROVLVVPVGVKQDYAEVDRNKLEHAGFYADVDLT-GNLLQKKVRNGQMLKYNFIFIVGQEMNEKSVNIRNRDVMQGGKNAATVVEEVKQLRNLKKEKRADNVLA----- 734
gi|19113156|ref|NP_596364.1|SLERMIAILLTEHYAGKW-----PFWMSPROVCIIPVSAAYNADKVVHNLSEADIFVDTDKS-DNLLPKKIRNAQQAQYNYILVVGAEESINSVNVNRDDPKKQSGSTVAVEEVVKKLLKKEKSLINDL----- 703
gi|39942942|ref|XP_361008.1|SIERFTGILLCEHYAGKW-----PLWLSPROILVVPVGVKQDYAEVRSIFKAKMFDVDDTS-GNLLMKKIRTSQAQYNYILVVGAEENMGQVNRNRDDPATQDRGQSTALEEALAKLKLKRDGKTYNFPFKAAAEKKEEA----- 809
gi|32421425|ref|XP_331156.1|SIERFTAALLAHHFAGKW-----PFWMSPROVMVIPVGMGFLDYAKEVALTLKKEKIHVDVSS-GNLLQKKIRSAQQAQYNYILVVGDEETNRKVNIRYRDDISTQARDVPSYLEEAVEKLRALKADRGMYNFFFAHNPKEEEA----- 782
gi|24583839|ref|NP_723725.1|SVERMIAILLTENFAGKW-----PFWLSPROVMVVPVGPAYDDYADQVRQLREHAGFMVEADLDAGD-TMNKKIRNAQQAQYNYILVVGDKERSNIVNVNRTRD---NKVHGEVSVAEILITLQKIRDEFIA-NEDSF----- 747
gi|158299584|ref|XP_319682.4|SVERMIAILLTENYAGKW-----PFWLSPROVMVVPVGPAYDDYADQVRQLREHAGFMVEADLDAGD-TMNKKIRNAQQAQYNYILVVGDKERSSETVNVNRTRD---NKVHGEVTVNDLVTKLSKLRDEYAR-GEEDF----- 761
gi|27229277|ref|NP_149065.2|SVERMIAILLTENYGGKW-----PFWLSPROVMVVPVGPCTDEYAQKVRQGFHDAKFMADIDLDPGCTLNKKIRNAQQAQYNYILVVGKEKASGTVNIRTRD---NKVHGERTVEETVRRLLQQLKQTRSKQAEEDF----- 722
gi|55741823|ref|NP_001006977.1|SVERMIAILLTENYGGKW-----PFWLSPROVMVVPVGPCTDEYAQKVRQGFHDAKFMADIDLDPGCTLNKKIRNAQQAQYNYILVVGKEKASGTVNIRTRD---NKVHGERTVGETVVERLQQLKQTRSKQAEEDF----- 695
gi|38202255|ref|NP_689508.3|SVERMIAILLTENYGGKW-----PFWLSPROVMVVPVGPCTDEYAQKVRQGFHDAKFMADIDLDPGCTLNKKIRNAQQAQYNYILVVGKEKASGTVNIRTRD---NKVHGERTVGETVVERLQQLKQTRSKQAEEDF----- 723
gi|114600742|ref|XP_001153971.1|SVERMIAILLTENYGGKW-----PFWLSPROVMVVPVGPCTDEYAQKVRQGFHDAKFMADIDLDPGCTLNKKIRNAQQAQYNYILVVGKEKASGTVNIRTRD---NKVHGERTVGETVVERLQQLKQTRSKQAEEDF----- 723
gi|73954351|ref|XP_536509.2|SVERMIAILLTENYGGKWFKASSGTMFWLSPROVMVVPVGPCTDEYAQKVRQGFHDAKFMADIDLDPGCTLNKKIRNAQQAQYNYILVVGKEKASGTVNIRTRD---NKVHGERTVGETVVERLQQLKQTRSKQAEEDF----- 789
gi|77735697|ref|NP_001029542.1|SVERMIAILLTENYGGKW-----PFWLSPROVMVVPVGPCTDEYAQKVRQGFHDAKFMADIDLDPGCTLNKKIRNAQQAQYNYILVVGKEKASGTVNIRTRD---NKVHGERTVGETVVERLQQLKQTRSKQAEEDF----- 723
gi|71895375|ref|NP_001026618.1|SVERMIAILLTENYGGKW-----PLWLSPROVMVVPVGPCTDEYAQKVRQGFHDAKFMADIDLDPGCTLNKKIRNAQQAQYNYILVVGKEKASGTVNIRTRD---NKVHGERTVGETVVERLQQLKQTRSKQAEEDF----- 711
gi|54400362|ref|NP_001005932.1|SVERMIAILLTENYGGKW-----PFWLSPROVMVVPVGPCTDEYAQKVRQGFHDAKFMADIDLDPGCTLNKKIRNAQQAQYNYILVVGKEKASGTVNIRTRD---NKVHGERTVGETVVERLQQLKQTRSKQAEEDF----- 624
gi|71984184|ref|NP_001022033.1|SVERMTAILLTESYGGKW-----PFWLSPROCKIITVHESVRDANDVVKRQIFEAGFEIEYENCGD-TMNKQVKAQAQYNYILVVGAKKENGTVNVRTRD---NAVGRGVALDKLISKFRFADYVADTEKSEEA----- 725
gi|124804231|ref|XP_001347941.1|SVERFVAILLTEHYAGKL-----PFWLSPRQAIVLPVIGDKNDYANYVYETLHNNMFDVDDTS-VNLLNKKIRNAQQAQYNYILVVGKELTINIVTLRDRDD---QNNQHVYTIQELINKFNKLLDVNKKFNGIKKFNSTTI----- 1013
.....910.....920.....930.....940.....950.....960.....970.....980.....990.....1000.....1010.....1020.....1030.....1040.....1050

```



```

gi|30690426|ref|NP_198035.2|      ----- 709
gi|115475758|ref|NP_001061475.1|----- 745
gi|50310653|ref|XP_455348.1|----- 744
gi|45185649|ref|NP_983365.1|----- 724
gi|14318437|ref|NP_116578.1|----- 734
gi|19113156|ref|NP_596364.1|----- 703
gi|39942942|ref|XP_361008.1|PAA--- 812
gi|32421425|ref|XP_331156.1|KEEVKA 788
gi|24583839|ref|NP_723725.1|----- 747
gi|158299584|ref|XP_319682.4|----- 761
gi|27229277|ref|NP_149065.2|----- 722
gi|55741823|ref|NP_001006977.1|----- 695
gi|38202255|ref|NP_689508.3|----- 723
gi|114600742|ref|XP_001153971.1|----- 723
gi|73954351|ref|XP_536509.2|----- 789
gi|77735697|ref|NP_001029542.1|----- 723
gi|71895375|ref|NP_001026618.1|----- 711
gi|54400362|ref|NP_001005932.1|----- 624
gi|71984184|ref|NP_001022033.1|----- 725
gi|124804231|ref|XP_001347941.1|----- 1013
.....

```