

gi |110624790|ref |NP_061987.3|-----MLRFLRRTFGRRSMRYARG-----AAGRGAAGLGDERTDGG-----PRGGPAAAAA... 97
gi |149252409|ref |XP_001476211.1|-----MLRFLRRTFGRRSMRYARG-----AAGRGAAGLGDERTDGG-----PRGGPAAAAA... 97
gi |73971944|ref |XP_532028.2|MTRIATWFSPPFYTEIGIRKDPDLSLTLRSQTRDFANSKRECHPHFLYAPTIFSIIVALVMRSLLSQSTDDTFIKALWPRGVPEAALLPLQIAPSS---LGRRRALLTGGAAVHISA... 137
gi |194669706|ref |XP_597526.4|-----MAASEVRDGGFS---VHV-----IPVDRMEEGEEKTKCS---LGXXXXXXX---VHISA---GASKATLYCR---VFLLDGTVE... 67
gi |114626099|ref |XP_520178.2|-----MRAGLGECCNGRAAHRWQL-----PPGWNGLPCCSCEDAN---CLVGRVPAELALSLVSVVFPCLSELVSVCSIAFAQVWILIRSVFPICGIATRDLDVPEPHLVVFLDSDTS... 109
gi |118086655|ref |XP_419046.2|-----MALDLSLIVVMCI-SGLTGRRVGQTPRSWLVCRECH---ALCR---VSSLGDKIK... 47



gi |110624790|ref |NP_061987.3|SVDLP-----KHAAGDLDLFDIVVHLDLVEIDYFGLQFLDLSAQVAHWLHDHAKPIKQMKIGPAYALHFRVKYYSSEPNNLRBEFTRVLFVQLRHDILSGKLCPCVETAVELAALCLQAE... 234
gi |149252409|ref |XP_001476211.1|SVDLP-----KHAAGDLDLFDIVVHLDLVEIDYFGLQFLDLSAQVAHWLHDHAKPIKQMKIGPAYALHFRVKYYSSEPNNLRBEFTRVLFVQLRHDILSGKLCPCVETAVELAALCLQAE... 234
gi |73971944|ref |XP_532028.2|SVDLP-----KHAAGDLDLFDIVVHLDLVEIDYFGLQFLDLSAQVAHWLHDHAKPIKQMKIGPAYALHFRVKYYSSEPNNLRBEFTRVLFVQLRHDILSGKLCPCVETAVELAALCLQAE... 274
gi |194669706|ref |XP_597526.4|SVDLP-----KHAAGDLDLFDIVVHLDLVEIDYFGLQFLDLSAQVAHWLHDHAKPIKQMKIGPAYALHFRVKYYSSEPNNLRBEFTRVLFVQLRHDILSGKLCPCVETAVELAALCLQAE... 204
gi |114626099|ref |XP_520178.2|SLGLFCIMLIIFGCLGFKHAKGODLFDIVVHLDLVEIDYFGLQFLDLSAQVAHWLHDHAKPIKQMKIGPAYALHFRVKYYSSEPNNLRBEFTRVLFVQLRHDILSGKLCPCVETAVELAALCLQAE... 259
gi |118086655|ref |XP_419046.2|NTEQP-----KHAAGDLDLFDIVVHLDLVEIDYFGLQFLDLSAQVAHWLHDHAKPIKQMKIGPAYALHFRVKYYSSEPNNLRBEFTRVLFVQLRHDILSGKLCPCVETAVELAALCLQAE... 184



gi |110624790|ref |NP_061987.3|QTEAMEFDIFQWKECRGKSPAQAEISYLNKAKWLEMYGVDMMHVVRGRDCEYSGLGLTPTGILIFEGANKIGLFFWPKIKMDFKSKSLTLVVVEDDDGREGOEHFVFRILDSARTCKHLWCAVEH... 384
gi |149252409|ref |XP_001476211.1|QTEAMEFDIFQWKECRGKSPAQAEISYLNKAKWLEMYGVDMMHVVRGRDCEYSGLGLTPTGILIFEGANKIGLFFWPKIKMDFKSKSLTLVVVEDDDGREGOEHFVFRILDSARTCKHLWCAVEH... 384
gi |73971944|ref |XP_532028.2|QTEAMEFDIFQWKECRGKSPAQAEISYLNKAKWLEMYGVDMMHVVRGRDCEYSGLGLTPTGILIFEGANKIGLFFWPKIKMDFKSKSLTLVVVEDDDGREGOEHFVFRILDSARTCKHLWCAVEH... 424
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gi |114626099|ref |XP_520178.2|QTEAMEFDIFQWKECRGKSPAQAEISYLNKAKWLEMYGVDMMHVVRGRDCEYSGLGLTPTGILIFEGANKIGLFFWPKIKMDFKSKSLTLVVVEDDDGREGOEHFVFRILDSARTCKHLWCAVEH... 409
gi |118086655|ref |XP_419046.2|QTEAMEFDIFQWKECRGKSPAQAEISYLNKAKWLEMYGVDMMHVVRGRDCEYSGLGLTPTGILIFEGANKIGLFFWPKIKMDFKSKSLTLVVVEDDDGREGOEHFVFRILDSARTCKHLWCAVEH... 334



gi |110624790|ref |NP_061987.3|SRFRFSGRTEYQATHGRRLRRTSTFERKPSKRYPSRRHSTFKASNPIVIAAQLCSKANPEVHNYQOYHPNHPSPQRWHPHSP-NVSYPLSPALSPTERLPFSLSENGGTPFAPKISGRH---H... 533
gi |149252409|ref |XP_001476211.1|SRFRFSGRTEYQATHGRRLRRTSTFERKPSKRYPSRRHSTFKASNPIVIAAQLCSKANPEVHNYQOYHPNHPSPQRWHPHSP-NVSYPLSPALSPTERLPFSLSENGGTPFAPKISGRH---H... 529
gi |73971944|ref |XP_532028.2|SRFRFSGRTEYQATHGRRLRRTSTFERKPSKRYPSRRHSTFKASNPIVIAAQLCSKANPEVHNYQOYHPNHPSPQRWHPHSP-NVSYPLSPALSPTERLPFSLSENGGTPFAPKISGRH---H... 569
gi |194669706|ref |XP_597526.4|SRFRFSGRTEYQATHGRRLRRTSTFERKPSKRYPSRRHSTFKASNPIVIAAQLCSKANPEVHNYQOYHPNHPSPQRWHPHSP-NVSYPLSPALSPTERLPFSLSENGGTPFAPKISGRH---H... 500
gi |114626099|ref |XP_520178.2|SRFRFSGRTEYQATHGRRLRRTSTFERKPSKRYPSRRHSTFKASNPIVIAAQLCSKANPEVHNYQOYHPNHPSPQRWHPHSP-NVSYPLSPALSPTERLPFSLSENGGTPFAPKISGRH---H... 558
gi |118086655|ref |XP_419046.2|SRFRFSGRTEYQATHGRRLRRTSTFERKPSKRYPSRRHSTFKASNPIVIAAQLCSKANPEVHNYQOYHPNHPSPQRWHPHSP-NVSYPLSPALSPTERLPFSLSENGGTPFAPKISGRH---H... 475



gi |110624790|ref |NP_061987.3|RSPNSSKS-LTKLSPGTPALFSEAAHHLKLELETVKAAQWPPLHININKAEKKVSEKLTQPLPSPVADHVKNILKAQLENASRVNIQGGKEESPVFNINKKSLQDASVRSPIPIRVEIAQP--AVEKPEIKPPVRKLTROY... 680
gi |149252409|ref |XP_001476211.1|RSPN-ASKA-LTKLSPGTPALYSEAAHHLKLELETVKAVAPWALHININKAEKKVSEKLTQPLPSPVADHVKNILKAQLENASRVNAIQGKEESPVFNINKKSLQDANVRSPIPIRVEIAQP--AVEKPEIKPPVRKLTROY... 675
gi |73971944|ref |XP_532028.2|RSPNSSKS-LTKLSPGAPALFSEAAHHLKLELETVKAAQWPWALHININKAEKKVSEKLTQPLPSPVADHVKNILKAQLENASRVSAQVKGKEESPVFNINKKSLQDANVRSPIPIRVEIAQP--AMEKPEIKPPVRKLTROY... 716
gi |194669706|ref |XP_597526.4|RSPNSSKS-LTKLSPGTPALFSEAAHHLKLELETVKAAQWPWALHININKAEKKVSEKLTQPLPSPVADHVKNILKAQLENASRVSAQVKGKEESPVFNINKKSLQDANVRSPIPIRVEIAQP--AVEKPEIKPPVRKLTROY... 647
gi |114626099|ref |XP_520178.2|RSPNSSKS-LTKLSPGTPALFSEAAHHLKLELETVKAAQWPPLHININKAEKKVSEKLTQPLPSPVADHVKNILKAQLENASRVNIQGGKEESPVFNINKKSLQDASVRSPIPIRVEIAQP--AVEKPEIKPPVRKLTROY... 705
gi |118086655|ref |XP_419046.2|GVVNPNSKSTAVELSSGLPLLDYDTS-HLKKIETESVQVGPWALHNSMNVVEKKVPEKILHPVPSVDPHMKCNILKAQVAAFRVGTQAVKBEESFVFNPSKTSLODPVRSAPVRPEIIPSSGSTEKQIKVRSRVRKLTROY... 624



gi |110624790|ref |NP_061987.3|SFDEDDLPPDLAEAVGTTSTTTNTT---AAQVSVPLSPKVNQVSSPHKSEGKGLLSPGAKSPDRGGAFLEPGDLLMDFTEATPLAEPASPHCAHSRCSPP--PLSLPMEETIGVCMYPIKTR--LKITFPVD-TMNPFFDTF... 822
gi |149252409|ref |XP_001476211.1|SFDEDDLPPDLAEAVGATTATTTTITTTTMSATQVSVSLASPKIQVSSPOKSEVKSPLSPGAKSPDRGGAFLEPGDLLMDFTEATPLAEPASPHCAHSRCSPP--PLSLPMEETIGVCMYPIKTR--LKITFPABFVMNPPDDF... 821
gi |73971944|ref |XP_532028.2|SFDEDDLPPDLAEAVGAPATAAATNTT---ATT-QVSAPLVSPKGHKLSPPONSEGKGLSPGAKSPDRGGAFLEPGDLLMDFTEATPLAEPASAPHCAHSRCSPP--PLSLPMEETIGVCMYPIKTR--LKITFPAD-TVTPFFDAF... 858
gi |194669706|ref |XP_597526.4|SFDEDDLPPDLAEAVGATTTTNTT---ATTQVSMPLLSPKVKHLSPPONSEGKGLSPGAKSPDRGGAFLEPGDLLMDFTEATPLAEPASAPHCAHSRCSPP--PLSLPMEETIGVCMYPIKTR--LKITFPAD-TVTPFFDAF... 790
gi |114626099|ref |XP_520178.2|SFDEDDLPPDLAEAVGTTSTTTNTT---AAQVSVPLSPKVNQVSSPHKSEGKGLLSPGAKSPDRGGAFLEPGDLLMDFTEATPLAEPASPHCAHSRCSPP--PLSLPMEETIGVCMYPIKTR--LKITFPVD-TMNPFFDTF... 847
gi |118086655|ref |XP_419046.2|SFDEDDLPPALAAAAAETSYS---ASPGSKKCTPQTEGTLQSPGGKSTDAGSFALEPGDLLMDFTEATPLAEPASKEP-CSHDCLPIMPPLPKSLTNSICLPPFFYLYLKITFPAD-TSNPFFDF... 755



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gi |110624790|ref|NP_061987.3|  FTGPOFTADFRDSKLCPPGFTSPLIPAA-----LRPLETVST--VQIYTRKPVSLAASAETLRQELERKMMKRLLMTEL 900
gi |149252409|ref|XP_001476211.1|  FTGPOFPADFRFNKLCPPGSSPLIPVIT-----LRPLETVAT--VQIYTSRKPVSLATSAETLRQELERKMMKRLLMTEL 899
gi |73971944|ref|XP_532028.2|  NTGPOFTADFRDSKLCPPGSSPLIPAVT-----LRPLETIST--VQIYTRKPVSLAAR----- 914
gi |194669706|ref|XP_597526.4|  ITGPOFTADFRDSKLCPPGSSPLIPAA-----LRPLEAVST--VQIYTRKPVSPATSAETLRQELERKMMKRLLMTEL 868
gi |114626099|ref|XP_520178.2|  IAGPOFTADFRDSKLCPPGFTSPLIPAA-----LRPLETIST--VQIYTRKPVSLAASAETLRQELERKMMKRLLMTEL 925
gi |118086655|ref|XP_419046.2|  TIVPOFSAEFTDSKLCVVQSSPKLSPVPEPVLRSLAEPVPTPTVQIYTSHKPISLADSAETLRRELERKMMKRLLMTEL 839
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