

gi | 30578393 | ref | NP\_083060.2 | MSDFPAA-----IFGRRVAVPPNNSNAAEVDLPTEELQG-LVPRG-VNLKDYLNVTAVHLFKERWDSNKIDHHTDKYVNNKLVRRGQTFYIQCIDFNRPYDPRKDLFRVEYVIGRY 150  
gi | 11067435 | ref | NP\_067730.1 | MSDFPAA-----IFGRRVAVPPNNSNAAGVDLPTEELQG-LVPRG-VSLKDYLNVTAVHLFKERWDSNKIVHHTDKFDNNKLVRRGQTFYIQCIDFNRPYDPRKDLFRVEYVIGRY 150  
gi | 119395709 | ref | NP\_000120.2 | MSDFPAA-----AFGRRVAVPPNNSNAAEVDLPTEELQG-VVPRG-VNLQDFLNVTAVHLFKERWDTNKVDHHTDKYENNKLVRRGQTFYIQCIDFNRPYDPRKDLFRVEYVIGRY 150  
gi | 114605340 | ref | XP\_518220.2 | MNPPFEVPEAHRASPREGTSGGVRLQDLVKS-----AFGRRVAVPPNNSNAAEVDLPTEELQG-VVPRG-VNLQDFLNVTAVHLFKERWDTNKVDHHTDKYENNKLVRRGQTFYIQCIDFNRPYDPRKDLFRVEYVIGRY 150  
gi | 74003872 | ref | XP\_535876.2 | MSDFPAA-----AFGRRVAVPPNNSNAAEVDLPTEELQG-VVPRG-VNLQDFLNVTAVHLFKERWDTNKVDHHTDKYENNKLVRRGQTFYIQCIDFNRPYDPRKDLFRVEYVIGRY 150  
gi | 119915840 | ref | XP\_588122.3 | MSDFPAA-----AFGRRVAVPPNNSNAAEVDLPTEELQG-LVPRG-FNPQDYLNVTAVHLFKERWDSNKVDHHTDKVSNKLVRRGQTFYIQCIDFNRPYDPRKDLFRVEYVIGRY 150  
gi | 45382729 | ref | NP\_990016.1 | MSDFPAA-----AFGRRVAVPPNNSNAAEVDLPTEELQG-LVPRG-FNPQDYLNVTAVHLFKERWDTNKVDHHTDKVSNKLVRRGQTFYIQCIDFNRPYDPRKDLFRVEYVIGRY 150  
gi | 116004521 | ref | NP\_001070622.1 | MADVAVENPTFAAAPVHVPKQVRSVHGRSAGGRASNQOQKGVVEEFPFM-LMPRGPPPLTEVLDLFDVVDLQKQENNVKQAHHTLHLMSSVFLVLRRAQEFQIKITFRNPKPAEDKFAVEFVIGPV 150



gi | 30578393 | ref | NP\_083060.2 | PDENKGTIYIPVPIVPELQSGKWGAKVIMNEDRSVRLSVQSSPECIVGKFRMYVAVWTPYGLIRLRDRDPEDTYILFNPWCEDAVVLDDEKEREEYVLDIGVIFYGDFDKIKSRWSYGFQEDGILDACLFLVMDKAEMLDLSGRGNPIKV 300  
gi | 11067435 | ref | NP\_067730.1 | PDENKGTIYIPVPIVPELQSGKWGAKVIMNEDRSVRLSVQSSPECIVGKFRMYVAVWTPYGLIRLRDRDPEDTYILFNPWCEDAVVLDDEKEREEYVLDIGVIFYGDFDKIKSRWSYGFQEDGILDACLFLVMDKAEMLDLSGRGNPIKV 300  
gi | 119395709 | ref | NP\_000120.2 | PDENKGTIYIPVPIVPELQSGKWGAKVIMNEDRSVRLSVQSSPECIVGKFRMYVAVWTPYGLIRLRDRDPEDTYILFNPWCEDAVVLDDEKEREEYVLDIGVIFYGDFDKIKSRWSYGFQEDGILDACLFLVMDKAEMLDLSGRGNPIKV 300  
gi | 114605340 | ref | XP\_518220.2 | PDENKGTIYIPVPIVPELQSGKWGAKVIMNEDRSVRLSVQSSPECIVGKFRMYVAVWTPYGLIRLRDRDPEDTYILFNPWCEDAVVLDDEKEREEYVLDIGVIFYGDFDKIKSRWSYGFQEDGILDACLFLVMDKAEMLDLSGRGNPIKV 300  
gi | 74003872 | ref | XP\_535876.2 | PDENKGTIYIPVPIVPELQSGKWGAKVIMNEDRSVRLSVQSSPECIVGKFRMYVAVWTPYGLIRLRDRDPEDTYILFNPWCEDAVVLDDEKEREEYVLDIGVIFYGDFDKIKSRWSYGFQEDGILDACLFLVMDKAEMLDLSGRGNPIKV 300  
gi | 119915840 | ref | XP\_588122.3 | PDENKGTIYIPVPIVPELQSGKWGAKVIMNEDRSVRLSVQSSPECIVGKFRMYVAVWTPYGLIRLRDRDPEDTYILFNPWCEDAVVLDDEKEREEYVLDIGVIFYGDFDKIKSRWSYGFQEDGILDACLFLVMDKAEMLDLSGRGNPIKV 300  
gi | 45382729 | ref | NP\_990016.1 | PDENKGTIYIPVPIVPELQSGKWGAKVIMNEDRSVRLSVQSSPECIVGKFRMYVAVWTPYGLIRLRDRDPEDTYILFNPWCEDAVVLDDEKEREEYVLDIGVIFYGDFDKIKSRWSYGFQEDGILDACLFLVMDKAEMLDLSGRGNPIKV 300  
gi | 116004521 | ref | NP\_001070622.1 | PYSKGTIYIPVPIVPELQSGKWGAKVIMNEDRSVRLSVQSSPECIVGKFRMYVAVWTPYGLIRLRDRDPEDTYILFNPWCEDAVVLDDEKEREEYVLDIGVIFYGDFDKIKSRWSYGFQEDGILDACLFLVMDKAEMLDLSGRGNPIKV 300



gi | 30578393 | ref | NP\_083060.2 | SRVGSAMVNAKDDDEGLVSGWSDNVIYAYGIPPSAWTGSVDILLELYR-SSENFPVRYGQCWVFAVFNTRFLRCLGIPARVITNYFSAHNDANLQMDIFLEEDGNVSKLTKDSVWNYHCWNEAWMTFRPDLVPGFGGQWAVDSTPQENS DGMV 450  
gi | 11067435 | ref | NP\_067730.1 | SRVGSAMVNAKDDDEGLVSGWSDNVIYAYGIPPSAWTGSVDILLELYR-SSENFPVRYGQCWVFAVFNTRFLRCLGIPARVITNYFSAHNDANLQMDIFLEEDGNVSKLTKDSVWNYHCWNEAWMTFRPDLVPGFGGQWAVDSTPQENS DGMV 450  
gi | 119395709 | ref | NP\_000120.2 | SRVGSAMVNAKDDDEGLVSGWSDNVIYAYGIPPSAWTGSVDILLELYR-SSENFPVRYGQCWVFAVFNTRFLRCLGIPARVITNYFSAHNDANLQMDIFLEEDGNVSKLTKDSVWNYHCWNEAWMTFRPDLVPGFGGQWAVDSTPQENS DGMV 450  
gi | 114605340 | ref | XP\_518220.2 | SRVGSAMVNAKDDDEGLVSGWSDNVIYAYGIPPSAWTGSVDILLELYR-SSENFPVRYGQCWVFAVFNTRFLRCLGIPARVITNYFSAHNDANLQMDIFLEEDGNVSKLTKDSVWNYHCWNEAWMTFRPDLVPGFGGQWAVDSTPQENS DGMV 450  
gi | 74003872 | ref | XP\_535876.2 | SRVGSAMVNAKDDDEGLVSGWSDNVIYAYGIPPSAWTGSVDILLELYR-SSENFPVRYGQCWVFAVFNTRFLRCLGIPARVITNYFSAHNDANLQMDIFLEEDGNVSKLTKDSVWNYHCWNEAWMTFRPDLVPGFGGQWAVDSTPQENS DGMV 450  
gi | 119915840 | ref | XP\_588122.3 | SRVGSAMVNAKDDDEGLVSGWSDNVIYAYGIPPSAWTGSVDILLELYR-SSENFPVRYGQCWVFAVFNTRFLRCLGIPARVITNYFSAHNDANLQMDIFLEEDGNVSKLTKDSVWNYHCWNEAWMTFRPDLVPGFGGQWAVDSTPQENS DGMV 450  
gi | 45382729 | ref | NP\_990016.1 | CRVASAMINAKDDDEGLVSGWSDNVIYAYGIPPSAWTGSVDILLELYR-SSENFPVRYGQCWVFAVFNTRFLRCLGIPARVITNYFSAHNDANLQMDIFLEEDGNVSKLTKDSVWNYHCWNEAWMTFRPDLVPGFGGQWAVDSTPQENS DGMV 450  
gi | 116004521 | ref | NP\_001070622.1 | TRVASAMINAKDDDEGLVSGWSDNVIYAYGIPPSAWTGSVDILLELYR-SSENFPVRYGQCWVFAVFNTRFLRCLGIPARVITNYFSAHNDANLQMDIFLEEDGNVSKLTKDSVWNYHCWNEAWMTFRPDLVPGFGGQWAVDSTPQENS DGMV 450



gi | 30578393 | ref | NP\_083060.2 | RCGPASVQAIKHGHVCFQFDAPVFVAEVNSDLVYITAKKDGTHVVENVDATHIGKLVTKQIGGGDMMDIDTYKFFQEGQEEERLALETALMYGAKKPLNTEGVVKSRSNDVMDDFEVENAVLQKDFKLSITFRNNSHRYITIAVLSANI 600  
gi | 11067435 | ref | NP\_067730.1 | RCGPASVQAIKHGHVCFQFDAPVFVAEVNSDLVYITAKKDGTHVVENVDATHIGKLVTKQIGGGDMMDIDTYKFFQEGQEEERLALETALMYGAKKPLNTEGVVKSRSNDVMDDFEVENAVLQKDFKLSITFRNNSHRYITIAVLSANI 600  
gi | 119395709 | ref | NP\_000120.2 | RCGPASVQAIKHGHVCFQFDAPVFVAEVNSDLVYITAKKDGTHVVENVDATHIGKLVTKQIGGGDMMDIDTYKFFQEGQEEERLALETALMYGAKKPLNTEGVVKSRSNDVMDDFEVENAVLQKDFKLSITFRNNSHRYITIAVLSANI 600  
gi | 114605340 | ref | XP\_518220.2 | RCGPASVQAIKHGHVCFQFDAPVFVAEVNSDLVYITAKKDGTHVVENVDATHIGKLVTKQIGGGDMMDIDTYKFFQEGQEEERLALETALMYGAKKPLNTEGVVKSRSNDVMDDFEVENAVLQKDFKLSITFRNNSHRYITIAVLSANI 600  
gi | 74003872 | ref | XP\_535876.2 | RCGPASVQAIKHGHVCFQFDAPVFVAEVNSDLVYITAKKDGTHVVENVDATHIGKLVTKQIGGGDMMDIDTYKFFQEGQEEERLALETALMYGAKKPLNTEGVVKSRSNDVMDDFEVENAVLQKDFKLSITFRNNSHRYITIAVLSANI 600  
gi | 119915840 | ref | XP\_588122.3 | RCGPASVQAIKHGHVCFQFDAPVFVAEVNSDLVYITAKKDGTHVVENVDATHIGKLVTKQIGGGDMMDIDTYKFFQEGQEEERLALETALMYGAKKPLNTEGVVKSRSNDVMDDFEVENAVLQKDFKLSITFRNNSHRYITIAVLSANI 600  
gi | 45382729 | ref | NP\_990016.1 | RCGPASVQAIKHGHVCFQFDAPVFVAEVNSDLVYITAKKDGTHVVENVDATHIGKLVTKQIGGGDMMDIDTYKFFQEGQEEERLALETALMYGAKKPLNTEGVVKSRSNDVMDDFEVENAVLQKDFKLSITFRNNSHRYITIAVLSANI 600  
gi | 116004521 | ref | NP\_001070622.1 | RCGPASVAAIKHGHVCFQFDAPVFVAEVNSDLVYITAKKDGTHVVENVDATHIGKLVTKQIGGGDMMDIDTYKFFQEGQEEERLALETALMYGAKKPLNTEGVVKSRSNDVMDDFEVENAVLQKDFKLSITFRNNSHRYITIAVLSANI 600



gi | 30578393 | ref | NP\_083060.2 | VFYTGVSKEFKKESFEEILDPSSKKEKVLVRAGEYMSHILLEQGLHFFVTARINNESRDVLAKQKSIILIPKTIKVRGAAMVSDMVVVEFTNPLKELTRNWIHLDPGVIKPRMKMFRIRPNSIVQWEEVCRPWSGHRKLLIA 750  
gi | 11067435 | ref | NP\_067730.1 | VFYTGVSKEFKKESFEEILDPSSKKEKVLVRAGEYMSHILLEQGLHFFVTARINNESRDVLAKQKSIILIPKTIKVRGAAMVSDMVVVEFTNPLKELTRNWIHLDPGVIKPRMKMFRIRPNSIVQWEEVCRPWSGHRKLLIA 750  
gi | 119395709 | ref | NP\_000120.2 | VFYTGVPKAEFKKETEFDVTLLEPLSFKKEAVLIQAGEYMGOLLEQASLHFFVTARINNETRDVLAKQKSIILIPKTIKVRGAAMVSDMVVVEFTNPLKELTRNWIHLDPGVIKPRMKMFRIRPNSIVQWEEVCRPWSGHRKLLIA 750  
gi | 114605340 | ref | XP\_518220.2 | VFYTGVPKAEFKKETEFDVTLLEPLSFKKEAVLIQAGEYMGOLLEQASLHFFVTARINNETRDVLAKQKSIILIPKTIKVRGAAMVSDMVVVEFTNPLKELTRNWIHLDPGVIKPRMKMFRIRPNSIVQWEEVCRPWSGHRKLLIA 750  
gi | 74003872 | ref | XP\_535876.2 | VFYTGVSKEFKKETEFDVTLLEPLSFKKEAVLIQAGEYMGOLLEQASLHFFVTARINNESRDVLAKQKSIILIPKTIKVRGAAMVSDMVVVEFTNPLKELTRNWIHLDPGVIKPRMKMFRIRPNSIVQWEEVCRPWSGHRKLLIA 750  
gi | 119915840 | ref | XP\_588122.3 | VFYTGVSKEFKKETEFDVTLLEPLSFKKEAVLIQAGEYMGOLLEQASLHFFVTARINNETRDVLAKQKSIILIPKTIKVRGAAMVSDMVVVEFTNPLKELTRNWIHLDPGVIKPRMKMFRIRPNSIVQWEEVCRPWSGHRKLLIA 750  
gi | 45382729 | ref | NP\_990016.1 | VFYTGVSKEFKKESFSAKLEPLLSNTFDVMTSAYLNDLLDQASLHFFVTARINNETRDVLAKQKSIILIPKTIKVRGAAMVSDMVVVEFTNPLKELTRNWIHLDPGVIKPRMKMFRIRPNSIVQWEEVCRPWSGHRKLLIA 750  
gi | 116004521 | ref | NP\_001070622.1 | VFYTGVSKEFKKETEFDVTLLEPLSFKKEAVLIQAGEYMGOLLEQASLHFFVTARINNETRDVLAKQKSIILIPKTIKVRGAAMVSDMVVVEFTNPLKELTRNWIHLDPGVIKPRMKMFRIRPNSIVQWEEVCRPWSGHRKLLIA 750



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gi|11067435|ref|NP_067730.1|SMTSDSLRHVYGELDLQIRRRPTV 774
gi|119395709|ref|NP_000120.2|SMSSDSLRHVYGELDVQIRRRPSM 774
gi|114605340|ref|XP_518220.2|SMSSDSLRHVYGELDVQIRRRPSM 774
gi|74003872|ref|XP_535876.2|SMTSDSLRHVYGELNLQIRRRPSA 774
gi|119915840|ref|XP_588122.3|SLTSDSLRHVYGELDLQIRRRPSM 774
gi|45382729|ref|NP_990016.1|SLNCDALRHVYGELNIQVKKP--- 774
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