

gi|14589889|ref|NP\_001783.2|  
gi|114672779|ref|XP\_523898.2|  
gi|73961777|ref|XP\_537293.2|  
gi|194678068|ref|XP\_001250830.2|  
gi|75677426|ref|NP\_031690.2|  
gi|13786162|ref|NP\_112623.1|  
gi|48675901|ref|NP\_001001615.1|  
gi|18858399|ref|NP\_571156.1|

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MNLLEPIKFLPKLFYFPPLHLPGRCSAHSRLPSGDDPPRAAAKYGVLLRRGGGGRLPRIRPAIAAAWPPIGHDAGGEAARETAPAPRLTPLRPRPENSLQLAGGPERGAEKRPSEAPTORRRRVAGLLLVGAARTIRALPAALSPASSR  
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-----MAWVGSACVARLF-EASTRKNLSSKDDRAGKDA  
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1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....130.....140.....150

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gi|48675901|ref|NP\_001001615.1|  
gi|18858399|ref|NP\_571156.1|

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RAALERGPGGSKTTSKPKRVAELLGSAIRSTSTSTSSSTGQPPRCIPRGFRCAAGRSRAAIAAIAASTHQTLLRPPALFPRVPPPPPPQLLDLWVCFITPGASPADSAARVLSARFPLAGSGEORRRWGEGKGRGWKLRGAVSPR  
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RVGLPRRQSPPSRERIRPHRGPTIRNLPSIKFPEKLEDSRSPSTCRAVLRAPQASPRPPAGCSKKPRVLLRRGGGGRL-----PGIRPATAAAGWPPNGHD-----AGGEPVSPR  
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.....160.....170.....180.....190.....200.....210.....220.....230.....240.....250.....260.....270.....280.....290.....300

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gi|48675901|ref|NP\_001001615.1|  
gi|18858399|ref|NP\_571156.1|

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-----MCR IAGALRLLP-----LLAALLQASVEASGEIALCKTGFPEDVYSAVLSKDVHEGQPLLNVKFSNCGKRRKVOYESSEPADFKVDEDEGMVYAVRSFPLSSEHAKFLIYAQDKETOEK  
-----  
RCWCRCRLLLVLRRRRRRLRLFARPLSASMCRIAGALRLLP-----LLAALFQASVEASGEIALCKTGFPEDVYSAVLSKDVHEGQPLLNVKFSNCGKRRKVOYESSEPADFKVDEDEGMVYAVRSFPLSSEHAKFLIYAQDKETOEK  
-----  
RCKSYRCRRCSSESYCRRRRLRLARPLSASMCRIAGAPRLLP-----LLAALLQASVEASGEIALCKTGFPEDVYSAVLSQDVHEGQPLLNVKFSNCGKRRKVOYESSEPADFKVDEDEGMVYAVRSFPLSSEHAKFLIYAQDKETOEK  
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-----MCRIVGAPRLLP-----LLAALLQASVEASGEIALCKTGFPEDVYSAVLSKDVHEGQPLLNVKFSNCGKRRKVOYESSEPADFKVDEDEGMVYAVRSFPLSSEHAKFLIYAQDKETOEK  
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-----MCRITAGAPRLLP-----LLAALLQASVEASGEIALCKTGFPEDVYSAVLPSKDVHEGQPLLNVKFSNCGKRRKVOYESSEPADFKVDEDEGMVYAVRSFPLSSEHAKFLIYAQDKETOEK  
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-----MCRITAGAPRLLP-----LLAALLQASLEASGELALCKTGFPEDVYSAVLPSKDVHEGQPLLNVKFSNCGKRRKVOYESSEPADFKVDEDEGMVYAVRSFPLSSEHAKFLIYAQDKETOEK  
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-----MCRITAGTPRILPPLALMLLAALQAPLKAICEDMLCKMGFPEDVHSVVSRSVHGGQPLLNVRFQSCDENRRIYFGSSEPEDFRVGEDGVVYAEVSFQLSSETEFVVSARDKETOEK  
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-----MVHINFIQ-----

.....310.....320.....330.....340.....350.....360.....370.....380.....390.....400.....410.....420.....430.....440.....450

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gi|48675901|ref|NP\_001001615.1|  
gi|18858399|ref|NP\_571156.1|

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WQVAVKLSLKPPLTEESVKESAEVVEIVFPR--FSKHSGHLRQKRWDVIPPINLPENSRGFPFOELVIRISDRDKNLSLRYSVTGPADQPTGIFIIINPISGOLSVTKPLDRELIARFHLRAHAVDINGNOVENPIDIVINVIDMND  
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WQVAVKLSLKPPLTEESVKS-AEVEIVFPR--FSKHSGHLRQKRWDVIPPINLPENSRGFPFOELVIRISDRDKNLSLRYSVTGPADQPTGIFIIINPISGOLSVTKPLDRELIARFHLRAHAVDINGNOVENPIDIVINVIDMND  
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WQVAVKLSLKPPLPEDVVKESPEIEIEIVFPR--ATKHNGHLRQKRWDVIPPINLPENSRGFPFOELVIRISDRDKNLSLRYSVTGPADQPTGIFIIINPISGOLSVTKPLDRELIARFHLRAHAVDINGNOVENPIDIVINVIDMND  
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WQVAVKLSLKPALPEDVVKESREIEIEIVFPR--VTKHNGYLQKRWDVIPPINLPENSRGFPFOELVIRISDRDKNLSLRYSVTGPADQPTGIFIIINPISGOLSVTKPLDRELIARFHLRAHAVDINGNOVENPIDIVINVIDMND  
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WQVAVNLSREPTLLEPMKPEHEIEIVFPR--LAKHSGALRQKRWDVIPPINLPENSRGFPFOELVIRISDRDKNLSLRYSVTGPADQPTGIFIIINPISGOLSVTKPLDRELIARFHLRAHAVDINGNOVENPIDIVINVIDMND  
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WQVAVNLSLEPPLLEPMKPEHEIEIVFPR--LAKHSGRLRQKRWDVIPPINLPENSRGFPFOELVIRISDRDKNLSLRYSVTGPADQPTGIFIIINPISGOLSVTKPLDRELIARFHLRAHAVDINGNOVENPIDIVINVIDMND  
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WQMKVKLTPPEAFTEASEKDKKIEIDIFFPW--QYKDSHLKQKRWDVIPPINLPENSRGFPFOELVIRISDRDKNLSLRYSVTGPADQPTGIFIIINPISGOLSVTKPLDRELIARFHLRAHAVDINGNOVENPIDIVINVIDMND  
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-----PKQVPLFPRHSVLVKGDDSVNRVKKRDVIPPVNVLENSRKQFPPELVKIQSDKDKSNLRYSVTGPADQPTGLFIIIDPISGLLSVTKPLDREHIFNHLRAHAVDINGNOVENPIDIVINVIDMND  
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.....460.....470.....480.....490.....500.....510.....520.....530.....540.....550.....560.....570.....580.....590.....600

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gi|48675901|ref|NP\_001001615.1|  
gi|18858399|ref|NP\_571156.1|

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NRPEFLHQVWNGTVPEGSKPGTYVMVVTIAIDADDPNALNGMLRYRILVRSQAPSTPSNMFITINNETGDIITVAAGLDREKVOQYTLIIQATDMEGNPTYGLSNTATAVITVDVNDNPEFTAMTFYGEVPENRVDIVANLTVDKDQPH  
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NRPEFLHQVWNGTVPEGSKPGTYVMVVTIAIDADDPNALNGMLRYRILVRSQAPSTPSNMFITINNETGDIITVAAGLDREKVOQYTLIIQATDMEGNPTYGLSNTATAVITVDVNDNPEFTAMTFYGEVPENRVDIVANLTVDKDQPH  
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NRPEFLHQVWNGTVPEGSKPGTYVMVVTIAIDADDPNALNGMLRYRILVRSQAPSTPSNMFITINNETGDIITVAAGLDREKVOQYTLIIQATDMEGNPTYGLSNTATAVITVDVNDNPEFTAMTFYGEVPENRVDIVANLTVDKDQPH  
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NRPEFLHQVWNGTVPEGSKPGTYVMVVTIAIDADDPNALNGMLRYRILVRSQAPSTPSNMFITINNETGDIITVAAGLDREKVOQYTLIIQATDMEGNPTYGLSNTATAVITVDVNDNPEFTAMTFYGEVPENRVDIVANLTVDKDQPH  
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NRPEFLHQVWNGTVPEGSKPGTYVMVVTIAIDADDPNALNGMLRYRILVRSQAPSTPSNMFITINNETGDIITVAAGLDREKVOQYTLIIQATDMEGNPTYGLSNTATAVITVDVNDNPEFTAMTFYGEVPENRVDIVANLTVDKDQPH  
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NRPEFLHQVWNGTVPEGSKPGTYVMVVTIAIDADDPNALNGMLRYRILVRSQAPSTPSNMFITINNETGDIITVAAGLDREKVOQYTLIIQATDMEGNPTYGLSNTATAVITVDVNDNPEFTAMTFYGEVPENRVDIVANLTVDKDQPH  
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NRPEFLHQVWNGTVPEGSKPGTYVMVVTIAIDADDPNALNGMLRYRILVRSQAPSTPSNMFITINNETGDIITVAAGLDREKVOQYTLIIQATDMEGNPTYGLSNTATAVITVDVNDNPEFTAMTFYGEVPENRVDIVANLTVDKDQPH  
-----  
NRPEFLHQVWNGTVPEGSKPGTYVMVVTIAIDADDPNALNGMLRYRILVRSQAPSTPSNMFITINNETGDIITVAAGLDREKVOQYTLIIQATDMEGNPTYGLSNTATAVITVDVNDNPEFTAMTFYGEVPENRVDIVANLTVDKDQPH  
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.....610.....620.....630.....640.....650.....660.....670.....680.....690.....700.....710.....720.....730.....740.....750

