

gi	21704242	ref	NP_663596.1	MPFGCVTLGDKKNYNQPSSEVTDYRDLGQVVKTEEFCEIFRAKDKTTGKLHTCKKFKRDRGRVKAANEIGILKMKVHPNIIQLVDVVFVTRKEYFIFLELATGREVFDWILDQGYYSERDTSNVVROVLEAVAYLHSLKIVHRNLKLEN	150
gi	13027458	ref	NP_076490.1	MPFGCVTLGDKKNYNQPSSEVTDYRDLGQVVKTEEFCEIFRAKDKTTGKLHTCKKFKRDRGRVKAANEIGILKMKVHPNIIQLVDVVFVTRKEYFIFLELATGREVFDWILDQGYYSERDTSNVVROVLEAVAYLHSLKIVHRNLKLEN	150
gi	83776596	ref	NP_076951.2	MPFGCVTLGDKKNYNQPSSEVTDYRDLGQVVKTEEFCEIFRAKDKTTGKLHTCKKFKRDRGRVKAANEIGILKMKVHPNIIQLVDVVFVTRKEYFIFLELATGREVFDWILDQGYYSERDTSNVVROVLEAVAYLHSLKIVHRNLKLEN	150
gi	114586947	ref	XP_516469.2	MPFGCVTLGDKKNYNQPSSEVTDYRDLGQVVKTEEFCEIFRAKDKTTGKLHTCKKFKRDRGRVKAANEIGILKMKVHPNIIQLVDVVFVTRKEYFIFLELATGREVFDWILDQGYYSERDTSNVVROVLEAVAYLHSLKIVHRNLKLEN	150
gi	73985467	ref	XP_850476.1	MPFGCVTLGDKKNYNQPSSEVTDYRDLGQVVKTEEFCEIFRAKDKTTGKLHTCKKFKRDRGRVKAANEIGILKMKVHPNIIQLVDVVFVTRKEYFIFLELATGREVFDWILDQGYYSERDTSNVVROVLEAVAYLHSLKIVHRNLKLEN	150
gi	115495427	ref	NP_001069344.1	MPFGCVTLGDKKNYNQPSSEVTDYRDLGQVVKTEEFCEIFRAKDKTTGKLHTCKKFKRDRGRVKAANEIGILKMKVHPNIIQLVDVVFVTRKEYFIFLELATGREVFDWILDQGYYSERDTSNVVROVLEAVAYLHSLKIVHRNLKLEN	150
gi	41055243	ref	NP_956744.1	MPFGCVTLGDKKNYNQPSSEVTDYRDLGQVVKTEEFCEIFRAKDKTTGKLHTCKKFKRDRGRVKAANEIGILKMKVHPNIIQLVDVVFVTRKEYFIFLELATGREVFDWILDQGYYSERDTSNVVROVLEAVAYLHSLKIVHRNLKLEN	150
gi	125819108	ref	XP_695627.2	MPFGCVTLGDKKNYNQPSSEVTDYRDLGQVVKTEEFCEIFRAKDKTTGKLHTCKKFKRDRGRVKAANEIGILKMKVHPNIIQLVDVVFVTRKEYFIFLELATGREVFDWILDQGYYSERDTSNVVROVLEAVAYLHSLKIVHRNLKLEN	150
gi	118096746	ref	XP_001234175.1	MPFGCVTLGDKKNYNQPSSEVTDYRDLGQVVKTEEFCEIFRAKDKTTGKLHTCKKFKRDRGRVKAANEIGILKMKVHPNIIQLVDVVFVTRKEYFIFLELATGREVFDWILDQGYYSERDTSNVVROVLEAVAYLHSLKIVHRNLKLEN	150

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



gi	21704242	ref	NP_663596.1	LVYYNRLKNSKIVISDFHLAKLENGLIKEPCGTPPEYLAPVVGRRQRYGRPVDCWAIGVIMYILLGPNPPFYEEVEEDDYENHDKNLFKILAGDYEFDSPIYWDIISQAAKDLVTRLMEVEODQRITAEAEISHEWISGNAASDKNIKDGV	300
gi	13027458	ref	NP_076490.1	LVYYNRLKNSKIVISDFHLAKLENGLIKEPCGTPPEYLAPVVGRRQRYGRPVDCWAIGVIMYILLGPNPPFYEEVEEDDYENHDKNLFKILAGDYEFDSPIYWDIISQAAKDLVTRLMEVEODQRITAEAEISHEWISGNAASDKNIKDGV	300
gi	83776596	ref	NP_076951.2	LVYYNRLKNSKIVISDFHLAKLENGLIKEPCGTPPEYLAPVVGRRQRYGRPVDCWAIGVIMYILLGPNPPFYEEVEEDDYENHDKNLFKILAGDYEFDSPIYWDIISQAAKDLVTRLMEVEODQRITAEAEISHEWISGNAASDKNIKDGV	300
gi	114586947	ref	XP_516469.2	LVYYNRLKNSKIVISDFHLAKLENGLIKEPCGTPPEYLAPVVGRRQRYGRPVDCWAIGVIMYILLGPNPPFYEEVEEDDYENHDKNLFKILAGDYEFDSPIYWDIISQAAKDLVTRLMEVEODQRITAEAEISHEWISGNAASDKNIKDGV	300
gi	73985467	ref	XP_850476.1	LVYYNRLKNSKIVISDFHLAKLENGLIKEPCGTPPEYLAPVVGRRQRYGRPVDCWAIGVIMYILLGPNPPFYEEVEEDDYENHDKNLFKILAGDYEFDSPIYWDIISQAAKDLVTRLMEVEODQRITAEAEISHEWISGNAASDKNIKDGV	300
gi	115495427	ref	NP_001069344.1	LVYYNRLKNSKIVISDFHLAKLENGLIKEPCGTPPEYLAPVVGRRQRYGRPVDCWAIGVIMYILLGPNPPFYEEVEEDDYENHDKNLFKILAGDYEFDSPIYWDIISQAAKDLVTRLMEVEODQRITAEAEISHEWISGNAASDKNIKDGV	300
gi	41055243	ref	NP_956744.1	LVYYNRLKNSKIVISDFHLAKLENGLIKEPCGTPPEYLAPVVGRRQRYGRPVDCWAIGVIMYILLGPNPPFYEEVEEDDYENHDKNLFKILAGDYEFDSPIYWDIISQAAKDLVTRLMEVEODQRITAEAEISHEWISGNAASDKNIKDGV	300
gi	125819108	ref	XP_695627.2	LVYYNRLKNSKIVISDFHLAKLENGLIKEPCGTPPEYLAPVVGRRQRYGRPVDCWAIGVIMYILLGPNPPFYEEVEEDDYENHDKNLFKILAGDYEFDSPIYWDIISQAAKDLVTRLMEVEODQRITAEAEISHEWISGNAASDKNIKDGV	300
gi	118096746	ref	XP_001234175.1	LVYYNRLKNSKIVISDFHLAKLENGLIKEPCGTPPEYLAPVVGRRQRYGRPVDCWAIGVIMYILLGPNPPFYEEVEEDDYENHDKNLFKILAGDYEFDSPIYWDIISQAAKDLVTRLMEVEODQRITAEAEISHEWISGNAASDKNIKDGV	100

.....160.....170.....180.....190.....200.....210.....220.....230.....240.....250.....260.....270.....280.....290.....300



gi	21704242	ref	NP_663596.1	CAQIEKNFARAKWKKAVRVTLMKRLRAPEQSGTAATDQA--SDAATPGAAGGATAAAAAAAGGAASASGAAATVGTGGDAGCAAKSDDMASADRSAIPATDGSATPATDGSVTPATDGSITPATDGSVTPATDRSATPATDGRATPA	448
gi	13027458	ref	NP_076490.1	CAQIEKNFARAKWKKAVRVTLMKRLRAPEQSGTAATDQA--SDAATPGAAGGATAAAAAAAGGAASASGAAATVGTGGDAGCAAKSDDMASADRSAIPATDGSATPATDGSVTPATDGSITPATDGSVTPATDRSATPATDGRATPA	440
gi	83776596	ref	NP_076951.2	CAQIEKNFARAKWKKAVRVTLMKRLRAPEQSGTAATDQA--SDAATPGAAGGATAAAAAAAGGAASASGAAATVGTGGDAGCAAKSDDMASADRSAIPATDGSATPATDGSVTPATDGSITPATDGSVTPATDRSATPATDGRATPA	437
gi	114586947	ref	XP_516469.2	CAQIEKNFARAKWKKAVRVTLMKRLRAPEQSGTAATDQA--SDAATPGAAGGATAAAAAAAGGAASASGAAATVGTGGDAGCAAKSDDMASADRSAIPATDGSATPATDGSVTPATDGSITPATDGSVTPATDRSATPATDGRATPA	437
gi	73985467	ref	XP_850476.1	CAQIEKNFARAKWKKAVRVTLMKRLRAPEQSGTAATDQA--SDAATPGAAGGATAAAAAAAGGAASASGAAATVGTGGDAGCAAKSDDMASADRSAIPATDGSATPATDGSVTPATDGSITPATDGSVTPATDRSATPATDGRATPA	443
gi	115495427	ref	NP_001069344.1	CAQIEKNFARAKWKKAVRVTLMKRLRAPEQSGTAATDQA--SDAATPGAAGGATAAAAAAAGGAASASGAAATVGTGGDAGCAAKSDDMASADRSAIPATDGSATPATDGSVTPATDGSITPATDGSVTPATDRSATPATDGRATPA	440
gi	41055243	ref	NP_956744.1	CAQIEKNFARAKWKKAVRVTLMKRLRAPEQSGTAATDQA--SDAATPGAAGGATAAAAAAAGGAASASGAAATVGTGGDAGCAAKSDDMASADRSAIPATDGSATPATDGSVTPATDGSITPATDGSVTPATDRSATPATDGRATPA	397
gi	125819108	ref	XP_695627.2	CAQIEKNFARAKWKKAVRVTLMKRLRAPEQSGTAATDQA--SDAATPGAAGGATAAAAAAAGGAASASGAAATVGTGGDAGCAAKSDDMASADRSAIPATDGSATPATDGSVTPATDGSITPATDGSVTPATDRSATPATDGRATPA	376
gi	118096746	ref	XP_001234175.1	CAQIEKNFARAKWKKAVRVTLMKRLRAPEQSGTAATDQA--SDAATPGAAGGATAAAAAAAGGAASASGAAATVGTGGDAGCAAKSDDMASADRSAIPATDGSATPATDGSVTPATDGSITPATDGSVTPATDRSATPATDGRATPA	174

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



gi	21704242	ref	NP_663596.1	TEESTVPAQSSALPAKAAATPEPAVAPDSTALEGATGQAPPSSKGEAATGCAQESORVETS	512
gi	13027458	ref	NP_076490.1	TEESTVPAQSSALPAKAAATPEPAVAPDSTALEGATGQAPPSSKGEAATGCAQESORVETS	504
gi	83776596	ref	NP_076951.2	TEESTVPTQSSAMLA TKAAATPEPAMAQPDSTAPEGATGQAPPSSKGEAAGYAQESOREEAS	501
gi	114586947	ref	XP_516469.2	TEESTVPTQSSAMLA TKAAATPEPAMAQPDSTAPEGATGQAPPSSKGEAAGYAQESOREEAS	501
gi	73985467	ref	XP_850476.1	TEESTVPTQSSAMLA TKAAATPEPAMAQPDSTAPEGATGQAPPSSKGEAAGYAQESOREEAS	507
gi	115495427	ref	NP_001069344.1	TEESTVPTQSSAMLA TKAAATPEPAMAQPDSTAPEGATGQAPPSSKGEAAGYAQESOREEAS	504
gi	41055243	ref	NP_956744.1	AVLP-----PAEPVVHVPEPQVPTRC---NGEAPALDVTVEQSG-----	436
gi	125819108	ref	XP_695627.2	QRR-----SADNRE-----	386
gi	118096746	ref	XP_001234175.1	PATP-----PAASPAADTCNGAGDAAAAAAAPPSPSG-----	207

.....460.....470.....480.....490.....500.....510.....

