

gi	10835013	ref	NP_001428.1	-----MDIKNSPSSLNSPSSYNCSSQSLPLEHGSIYIPSSYVDSHHEYP-----AMTFYSPAVMNYSPINVTNLEGGP-----GROTTSPNVLWPTPGHLSPLVVRQLSHLYAEPKSPWCPEARLEHTLPVNRRETL	124
gi	114653478	ref	XP_001170268.1	-----MDIKNSPSSLNSPSSYNCSSQSLPLEHGSIYIPSSYVDSHHEYP-----AMAFYSPAVMNYSPINVTNLEGGP-----GROTTSPNVLWPTPGHLSPLAVHRQLSHLYAEPKSPWCPEARLEHTLPVNRRETL	124
gi	46877096	ref	NP_997590.1	MSICASSHKDF SQLR PTQDMEIKNSPSSLTSPASYNCSQSLPLEHGPIYIPSSYVESRHEYS -----AMTFYSPAVMNYSPVSTGILEGGP-----VROTASPNVLWPTSGHLSPLATHCOSSLLYAEPOKSPWCPEARLEHTLPVNRRETL	143
gi	6978817	ref	NP_036886.1	-----MTFYSPAVMNYSPVSTGILEGGP-----VRLTSPNVLWPTSGHLSPLATHCOSSLLYAEPOKSPWCPEARLEHTLPVNRRETL	79
gi	73963211	ref	XP_866098.1	-----MDIKNSPSSLNSPASYNCSSQSLPLEHGPIYIPSSYVESRHEYS-----AVTFYSPAVMNYSPISDANSEGGP-----SROTTSFNVLWPTPGHLSPLATHCOSSLLYAEPOKSPWCPEARLEHTLPVNRRETL	124
gi	27806641	ref	NP_776476.1	-----MNYSIPI-----DNSEDPG-----GROTTSPNVLWPTPGHLSPLATHCOSSLLYAEPOKSPWCPEARLEHTLPVNRRETL	68
gi	45382171	ref	NP_990125.1	-----MAFCSPALLNYNIASNFSGESAS-----VROTSSPVLWSAPGHLSPHLHCOSSLLYAEPOKSPWCPEARLEHTLPVNRRETL	79
gi	30725826	ref	NP_851297.1	---MSEYFPGD SPL LQ LE VDSGRVGGH LS -IFNS S SP LP VEN PI CIP SP Y DL GH DS --- LP FF S P AL L YS S S --- LP SD CS --- VR Q SL PT L FW PH S V S L L Q Q S L R Q N H T S Q T W H E H T PH D V E E M S K P L	136
gi	56711296	ref	NP_777287.2	-----MS S SG P AP VL DSSKADRG A SP ALL P RL Y AS PL GM D NO I VC IP SP Y E AC QD Y SP PH G GF N H GA L LY SP V SA VL G F HR PP V SE SL V PL PT IL W PP H SL HY PP LA SE RS HS A WE AK T HT LS Q S S V LS -HT K L L	140



gi	10835013	ref	NP_001428.1	K RV S GN R CA S PV TG -P G S K RD A HF CA VC S D Y AS GY H Y GV WS CE G CK A FF K R S I Q GH N D Y I CP A T N O CT ID K N RR K S CA CR L R K C Y EV G M V K G S R R R EC G Y R L V R R O R S A D E Q L H C A G K A K R S G H A P R V R -----E	257
gi	114653478	ref	XP_001170268.1	K RV S GN H CA S PV TG -P G S K RD A HF CA VC S D Y AS GY H Y GV WS CE G CK A FF K R S I Q GH N D Y I CP A T N O CT ID K N RR K S CA CR L R K C Y EV G M V K G S R R R EC G Y R L V R R O R S A D E Q L H C A G K A K R S G H A P R V R -----E	257
gi	46877096	ref	NP_997590.1	K R K L G S G CA S PV TG -P S A K RD A HF CA VC S D Y AS GY H Y GV WS CE G CK A FF K R S I Q GH N D Y I CP A T N O CT ID K N RR K S CA CR L R K C Y EV G M V K G S R R R EC G Y R L V R R O R S A S E V H C L N K A R T S G H T P R V K	276
gi	6978817	ref	NP_036886.1	K R K L S CA S CA S PV TG -P N A K RD A HF CP V C S D YAS GY H Y GV WS CE G CK A FF K R S I Q GH N D Y I CP A T N O CT ID K N RR K S CA CR L R K C Y EV G M V K G S R R R EC G Y R L V R R O R S S E V H C L S K A K R NG H A P R V K	212
gi	73963211	ref	XP_866098.1	K R K V S CA S CA S PI TG -P S S K RD A HF CA VC S D Y AS GY H Y GV WS CE G CK A FF K R S I Q GH N D Y I CP A T N O CT ID K N RR K S CA CR L R K C Y EV G M V K G S R R R EC G Y R L V R R O R S S D E Q L H C L S K A K R NG H V T R V K	257
gi	27806641	ref	NP_776476.1	K R K A S CA S CA S PA ITG -P S S K RD A HF CA VC S D Y AS GY H Y GV WS CE G CK A FF K R S I Q GH N D Y I CP A T N O CT ID K N RR K S CA CR L R K C Y EV G M V K G S R R R EC G Y R L V R R O R S D E Q L H C L S K R N G S M T R V K	201
gi	45382171	ref	NP_990125.1	K R K L N G S D CT S PI A S N R -P S S K RD A HF CA VC S D Y AS GY H Y GV WS CE G CK A FF K R S I Q GH N D Y I CP A T N O CT ID K N RR K S CA CR L R K C Y EV G M M K G S R R R EC G Y R L R R H R S D --- CM G K L K Y NE A T R V	210
gi	30725826	ref	NP_851297.1	V K R V A D E E T S V S L R --- G K A D H Y CA VC S D YAS GY H Y GV WS CE G CK A FF K R S I Q GH N D Y I CP A T N O CT ID K N RR K S CA CR L R K C Y EV G M M K G S R R R EC G Y R L R R D R S S Y Q R G A Q Q --- K R L V R F S G R M R M T G P R S Q E I K S L P R F L ----- S G N E	274
gi	56711296	ref	NP_777287.2	G Q Q L E G D N L N P S A L --- I V G K D TH F CA V CH D Y AS GY H Y GV WS CE G CK A FF K R S I Q GH N D Y I CP A T N O CT ID K S R R K S CA CR L R K C Y EV G M M K G V R R R E C S Y R G A R R H R N P Q I R D S G G V V L R G S Q H L E F L P S O H L F S G G R A E	289



gi	10835013	ref	NP_001428.1	L L L D A L S P E Q L V L L L E A E P P H V L I S R P S A -P F T E A S M M S L T K L A D K E L V H M I S W A K K I P G F V E L S L F D V R L L S C W M E V L M M G L M W R S I D H P G K L I F A P D L V L D R	388
gi	114653478	ref	XP_001170268.1	L L L D A L S P E Q L V L L L E A E P P H V L I S R P S A -P F T E A S M M S L T K L A D K E L V H M I S W A K K I P G F V E L S L F D V R L L S C W M E V L M M G L M W R S I D H P G K L I F A P D L V L D R	388
gi	46877096	ref	NP_997590.1	L L L N L S L S P E Q L V L L L E A E P P N V L V S R P S M-P F T E A S M M S L T K L A D K E L V H M I G W A K K I P G F V E L S L L D V R L L S C W M E V L M V G L M W R S I D H P G K L I F A P D L V L D R S E D P H W H V A O T K S A V P R	425
gi	6978817	ref	NP_036886.1	L L L S T L S P E Q L V L L L E A E P P N V L V S R P S M -P F T E A S M M S L T K L A D K E L V H M I G W A K K I P G F V E L S L L D V R L L S C W M E V L M V G L M W R S I D H P G K L I F A P D L V L D R	343
gi	73963211	ref	XP_866098.1	L L L S A L S P E Q L V L L L E A E P P H V L I S R P S T -P F T E A S M M S L T K L A D K E L V H M I G W A K K I P G F V E L S L Y D V R L L S C W M E V L M V G L M W R S I D H P G K L I F A P D L V L D R	388
gi	27806641	ref	NP_776476.1	L L L S A L S P E Q L V L L L E A E P P H V L I S R P S T -P F T E A S M M S L T K L A D K E L V H M I S W A K K I P G F V E L S L Y D V R L L S C W L E V L M V G L M W R S I D H P G K L I F A P D L L I D R	332
gi	45382171	ref	NP_990125.1	V L L S T V S P E Q F V L L L E A E P P N V L V S R P S K -P F T E A S M M S L T K L A D K E L V H M I G W A K K I P G F I D L S L Y D V R L L S C W L E V L M I G L M W R S I D H P G K L I F A P D L V L D R	341
gi	30725826	ref	NP_851297.1	I V R I S L S P E E L I S R I M E A E P P E I V L M K D M K K P F T E A N V M S L L N L A D K E L V H M I S W A K K I P G F V E L S L F D V R L L E C W L E V L M L G L M W R S V N H P G K L I F S P D L C L S R	406
gi	56711296	ref	NP_777287.2	G R G L N S P E Q L V S C I L E A E P P Q I V L R E P V K K P Y T E A S M M S L L S L A D K E L V L M I S W A K K I P G F V E L L S D V H L L E C C W L D L M L G L M W R S V D H P G K L I F P D L K L N R -----E G N C V E G I M E I F D M L L A T T S R F	421



gi	10835013	ref	NP_001428.1	E L K L Q H E Y L C V K A M I L L N S S M Y PL V T A T -Q D A D S R R K L A H L L N A V T D A L V V W I A K S G I S S Q Q S M R L A N L L M L L S H V R H A S N K G M E H L L N M K C K N V V P V Y D L L L E M L N A H V L R G C	530
gi	114653478	ref	XP_001170268.1	E L K L Q H E Y L C V K A M I L L N S S M Y PL V T A T -Q D A D S R R K L A H L L N A V T D A L V V W I A K S G I S S Q Q S M R L A N L L M L L S H V R H A S N K G M E H L L N M K C K N V V P V Y D L L L E M L N A H V L R G C	530
gi	46877096	ref	NP_997590.1	E L K L Q H E Y L C V K A M I L L N S S M Y PL A S A N -Q E A S S R R K L T H L L N A V T D A L V V W I A K S G I S S Q Q S V R L A N L L M L L S H V R H I S N K G M E H L L N M K C K N V V P V Y D L L L E M L N A H T L R G Y	567
gi	6978817	ref	NP_036886.1	E L K L Q H E Y L C V K A M I L L N S S M Y PL A S A N -Q E A S S R R K L T H L L N A V T D A L V V W I A K S G I S S Q Q S V R L A N L L M L L S H V R H I S N K G M E H L L N M K C K N V V P V Y D L L L E M L N A H T L R G Y	485
gi	73963211	ref	XP_866098.1	E L K L Q H E Y L C V K A M I L L N S S M Y PL A S A N -Q E A S S R R K L S H L L N A V T D A L V V W I A K S G I P S Q Q Q V R L A N L L M L L S H V R H A S N K G M E H L L N M K C K N V V P V Y D L L L E M L N A H T L R G H	531
gi	27806641	ref	NP_776476.1	E L K L Q H E Y L C V K A M I L L N S S M Y PS A T A P -Q E A D S R R K L T H L L N A V T D A L V V W I A K S G M S S Q Q S M R L A N L L M L L S H V R H A S N K G M E H L L N M K C K N V V P V Y D L L L E M L N A H T L R G N	474
gi	45382171	ref	NP_990125.1	E L K L Q H E Y L C V K A M I L L N S S M F L S P E E ---P E S R R K L H L L N V V T D A L V V W I A K S G I P S Q Q T T R L A N L L M L L S H V R H A S N K G M E H L L N M K C K N V V P V Y D L L L E M L N A H T L R G H	472
gi	30725826	ref	NP_851297.1	E L K L Q R E Y V C L K A M I L L N S S M C S E G E D L Q S R S K L L C L D S V T D A L V W A I S K T L S F Q R S T R L A H L L M L L S H I R H V S N K G M D H L C W L L L E M L D A H I M H S	550
gi	56711296	ref	NP_777287.2	E L K L Q R E Y V C L K A M I L L N S S M C S L P Q T P E D V E R G K V L M L D S V T D A L V W A I S R T L S S Q Q S I R L A H L L M L L S H I R H S N K G I E L S N M K R K N V V L Y D L L L E M L D A N T S Q S R M L E D R Q S P E N L H T S R P P L K D S D Q E T P H S R	571



gi	10835013	ref	NP_001428.1	-----	530
gi	114653478	ref	XP_001170268.1	-----	530
gi	46877096	ref	NP_997590.1	-----	567
gi	6978817	ref	NP_036886.1	-----	485
gi	73963211	ref	XP_866098.1	-----	531
gi	27806641	ref	NP_776476.1	-----	474
gi	45382171	ref	NP_990125.1	-----	472
gi	30725826	ref	NP_851297.1	H G P -----	553
gi	56711296	ref	NP_777287.2	A E E V N K L H S S L L R E D M D T N	592
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