

QUERY 1 10 20 30 40
UniRef90_UPI000360915B GGLKVFHILKEVFIKREEDDQVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI000373D34E GGLPQYFYALIDDTIVRIRRPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI00036F83EB GGLHVCYFYALIDDTIVRIRRPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_R6QKU3 GMLNIVYGVVITNVVHIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_R5E8H5 GMLNIVYGVVITNVVHIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_W7YQJ3 GHLRNVLYGLTEVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_A0A015MRW8 GHRQVVFHILKEVFIKREEDDQVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI00047CA6A2 GGFHRAVEITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI000472A5F6 GGFHRAVEITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_R7HUN2 GGFQNTYGITRVVVIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_F5L7Z5 GGFHIVYIITRVVVIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_V9G636 GGFHIVYIITRVVVIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_L0ED54 GGFHIVYIITRVVVIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_E3I9Z9 GGFNSAYEITRVVVIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_V6M1N9 GGFNSAYEITRVVVIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI0002DB2471 GGFESYQTTTQVVKLRDDEDDQVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_F7NL66 GGFTRAFYEVITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_F4A1W1 GGFYTAAYKVIHIVVLRIRPDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_Q2RKH9 GGFRAAYEITRVVVIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI00031B463E GGFYNLLGIVRVDVTLRKRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_W4BQ73 GGFHQVLYEITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI0002E3C590 GGFNVVYEITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_U5L7R9 GGFNDVYFESISIFLSREDDQVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_C6PPK5 GGFHRCYQIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_A0A010ZWR7 GGFHRCYQIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI0002D51021 GGFHRCYQIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI00037445B4 GGFQNYEITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI0004289F14 GGFQNYEITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI000469363E GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI00030F1088 GGFHNVYHIVRVELRREDDQVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_R5S1V1 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI0002F7839A GGFNAVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_F8F714 GGFNAVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI000374271F GGFHNVYHIVRVELRREDDQVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI00040F4D56 GGFYNTAYEITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI000479A40D GGFNTAFESIITDIKILSEESTLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_R7AEM2 GGFHNVYHIVRVELRREDDQVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI00046F5DED GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_B9MM01 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_R5JWU5 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI00047E3AE2 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI000472FC8D GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI000479AEB6 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_A1HMP8 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI000368B3B5 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_B1HQY1 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_R6Z2P5 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_M9M2I2 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_F9DP92 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI00040BF580 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI0003665FE0 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI0002DA68C0 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_I3VVB5 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_K0J4I3 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_R7BKH5 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_G2TJ18 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_D5DKZ1 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_R6KTJ7 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI0004653DBF GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_A6CQB3 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI0004743AD1 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI000366BAA0 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_R7C660 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_R7IUQ6 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_W4V8C3 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI000414518E GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI00037CD953 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI00037D1DB9 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_H0UPY7 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI0004131428 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_A9KND4 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_W4QIK1 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_A0A037ZFD9 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_M1Z4X2 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI0002881B2C GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_A8F4W3 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_T0IY11 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_E6TSU4 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_S0FQN0 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_D6XTY6 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_E0I464 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI000369E174 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_B0K1Q6 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI0003715E12 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_R5NN80 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_C5VTA3 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI000287BAC8 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_X5A0D3 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_R9JMT7 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_UPI0003F536A7 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH
UniRef90_M8EFE0 GGFNVVYIITVTVVFIIDRDPDNNCCVLLKAVRAYMVFEEELLERELKCEVVRKSSH

QUERY	V I I K E V
UniRef90_UPI000360915B	V T I M Q V
UniRef90_UPI000373D34E	V H I L L P V
UniRef90_UPI00036F83EB	V E A K T V
UniRef90_R6QKU3	A E G E Q I
UniRef90_R5E8H5	V V I E N
UniRef90_W7YQJ3	V E L V E L
UniRef90_A0A015MRW8	A Q M T
UniRef90_UPI00047CA6A2	V N I T P V
UniRef90_UPI000472A5F6	V E V K P V
UniRef90_R7HUN2	A I V E
UniRef90_F5L7Z5	V K I F P I
UniRef90_V9G636	A T V V Q L
UniRef90_L0ED54	V E V T E L
UniRef90_E3I9Z9	V D V V P
UniRef90_V6M1N9	V Q I E T I
UniRef90_UPI0002DB2471	V T V V K L
UniRef90_F7NL66	V T V
UniRef90_F4A1W1	V T V Q E L
UniRef90_Q2RKH9	V L V R P I
UniRef90_UPI00031B463E	V A I E S I
UniRef90_W4BQ73	V
UniRef90_UPI0002E3C590	V V V I P L
UniRef90_U5L7R9	A E I I N I
UniRef90_C6PPK5	V S V T D V
UniRef90_A0A010ZWR7	A K L V I S I
UniRef90_UPI0002D51021	V Q I N E V
UniRef90_UPI00037445B4	V E I V P V
UniRef90_UPI0004289F14	V V K S I
UniRef90_UPI000469363E	A E V V T I
UniRef90_UPI00030F1088	V E I K D
UniRef90_R5S1V1	A V V G P
UniRef90_UPI0002F7839A	V E I N
UniRef90_F8F714	V D L V S L
UniRef90_UPI000374271F	A A V T
UniRef90_UPI00040F4D56	V V I E P
UniRef90_UPI000479A40D	V E V K E
UniRef90_R7AEM2	A V L T E I
UniRef90_UPI00046F5DED	A E I R P V
UniRef90_B9MM01	V
UniRef90_R5JWU5	V V L E P
UniRef90_UPI00047E3AE2	A E V V P L
UniRef90_UPI000472FC8D	I D I R E I
UniRef90_UPI000479AEB6	V I V R H I
UniRef90_A1HMP8	V T V R P
UniRef90_UPI000368B3B5	V D V E K I
UniRef90_B1HQY1	V I V T A I
UniRef90_R6Z2P5	V A I D D
UniRef90_M9M2I2	V T L
UniRef90_F9DP92	V R I K H I
UniRef90_UPI00040BF580	V E V
UniRef90_UPI0003665FE0	A E A T A L
UniRef90_UPI0002DA68C0	V I M N P I
UniRef90_I3VWB5	V N I E E I
UniRef90_K0J4I3	V E V S E L
UniRef90_R7BKH5	V V G G E L
UniRef90_G2TJI8	V K A S T V
UniRef90_D5DKZ1	V K I A A V
UniRef90_R6KTJ7	A E A K A I
UniRef90_UPI0004653DBF	V S I E K
UniRef90_A6CQB3	V D V R
UniRef90_UPI0004743AD1	V Q I N T V
UniRef90_UPI000366BAA0	V T V M E V
UniRef90_R7C660	V Y L D D I
UniRef90_R7IUQ6	V K A V E I
UniRef90_W4V8C3	V I I V P V
UniRef90_UPI000414518E	V E I
UniRef90_UPI00037CD953	A V L T
UniRef90_UPI00037D1DB9	V N V T R L
UniRef90_H0UPY7	V E V T P L
UniRef90_UPI0004131428	V Q I N P
UniRef90_A9KND4	V D I S E I
UniRef90_W4QIK1	V D I Q K I
UniRef90_A0A037ZFD9	V M V D N V
UniRef90_M1Z4X2	V E V
UniRef90_UPI0002881B2C	V I L V S V
UniRef90_A8F4W3	V T I R D I
UniRef90_T0IY11	V A V I P V
UniRef90_E6TSU4	V E V S D I
UniRef90_S0FQN0	V I I R P
UniRef90_D6XTY6	V I I E T I
UniRef90_E0I464	A E V
UniRef90_UPI000369E174	V Q V L P I
UniRef90_B0K1Q6	V E V E L I
UniRef90_UPI0003715E12	V D V Q
UniRef90_R5NN80	A I G E K L
UniRef90_C5VTA3	V I V D N V
UniRef90_UPI000287BAC8	V E V T K L
UniRef90_X5A0D3	V T
UniRef90_R9JMT7	A Q
UniRef90_UPI0003F536A7	V E I G E V
UniRef90_M8EFE0	

UniRef90_F5LS18
UniRef90_R5QYS3
UniRef90_F6B8B3
UniRef90_UPI000382DB7D
UniRef90_E0RUT2
UniRef90_F2F2U9
UniRef90_R1CSP2
UniRef90_I0JMN3
UniRef90_UPI00041911DA
UniRef90_C6D2U8
UniRef90_F2JGP9
UniRef90_W4F0L7
UniRef90_A8FDA8
UniRef90_K0B0I9
UniRef90_A1HN15
UniRef90_L5N1R0
UniRef90_UPI00041AD425
UniRef90_D9S3A5
UniRef90_UPI0001E2C236
UniRef90_B0THC8
UniRef90_E0QHI3
UniRef90_B7GG97
UniRef90_F7YXX8
UniRef90_G9XAG1
UniRef90_W4RGV9
UniRef90_W4QZK6
UniRef90_A0A017RXU9
UniRef90_D4KQI7
UniRef90_D5XFE9
UniRef90_UPI0002FA199D
UniRef90_W4Q4N4
UniRef90_U2SS31
UniRef90_B1I5I0
UniRef90_A5MZ45
UniRef90_F6CL20
UniRef90_UPI00035F5E0D
UniRef90_W6NHZ1
UniRef90_R6BUQ3
UniRef90_R7R4D5
UniRef90_Q65JK5
UniRef90_R9KIN4
UniRef90_UPI0004187B07
UniRef90_UPI000479F6B5
UniRef90_C4L644
UniRef90_R7N3V2
UniRef90_A0A059NX18
UniRef90_Q893S8
UniRef90_Q893S8
UniRef90_Q849A5
UniRef90_C4Z5I4
UniRef90_L7V161
UniRef90_D3L373
UniRef90_W1SJB4
UniRef90_D4JND6
UniRef90_V9W717
UniRef90_D7CM22
UniRef90_A5D0E6
UniRef90_E0P226
UniRef90_F4LTR1
UniRef90_I4BUJ1
UniRef90_E3PSI0
UniRef90_UPI000429AB69
UniRef90_I9C3Q3
UniRef90_D2Z3J6
UniRef90_M1Z5J8
UniRef90_U2D272
UniRef90_UPI0001E891C0
UniRef90_W4C977
UniRef90_F4EW28
UniRef90_B2A371
UniRef90_E3CVV0
UniRef90_W8TFQ0
UniRef90_UPI000373AAD4
UniRef90_R6G0D3
UniRef90_UPI0003153450
UniRef90_X0R569
UniRef90_H9UAS3
UniRef90_UPI0003B40689
UniRef90_R7RPF2
UniRef90_R6W1X8
UniRef90_B7IHS6
UniRef90_R5UJZ7
UniRef90_UPI00016C0EF4
UniRef90_S5Z3I8
UniRef90_A0A024PKQ8
UniRef90_M1E5L4
UniRef90_H2J6G4
UniRef90_Q8ENE1
UniRef90_C0GJE7
UniRef90_R6NRY4
UniRef90_W6RYK3
UniRef90_F0KA05

UniRef90_F5LS18	V	Q	I						
UniRef90_R5QYS3	A	Y	V	G	E	V			
UniRef90_F6B8B3	A	R	V	E	P	I			
UniRef90_UPI000382DB7D	V	Q	M	I	E	I			
UniRef90_E0RUT2	C	E	V	G	E				
UniRef90_F2F2U9	V	V	V	N	K	I			
UniRef90_R1CSP2	V	Q	I	S	E	V			
UniRef90_I0JMN3	V	A	V	A	E				
UniRef90_UPI00041911DA	V	T	I	E	E	V			
UniRef90_C6D2U8	V	S	V						
UniRef90_F2JGP9	V	V	V	N					
UniRef90_W4F0L7	V	I	V	Q					
UniRef90_A8FDA8	V	E	I	S	E	V			
UniRef90_K0B0I9	I	E	V	S	D	I			
UniRef90_A1HN15	V	N	V						
UniRef90_L5N1R0	V	D	V	S	P				
UniRef90_UPI00041AD425	V	E	V	E					
UniRef90_D9S3A5	V	N	V	R	E	I			
UniRef90_UPI0001E2C236	V	I	I	N	T	L			
UniRef90_B0THC8	K	A	I	T	P	L			
UniRef90_E0QH13	V	E	I	S	N				
UniRef90_B7GG97	V	N	V	R	S	V			
UniRef90_F7YXX8	V	M	I	A	D	I			
UniRef90_G9XAG1	V	S	V	D	N				
UniRef90_W4RGV9	T	D	L	R	S	L			
UniRef90_W4QZK6	V	V	V	Q	P	I			
UniRef90_A0A017RXU9	V	N	V	D					
UniRef90_D4KQI7	V	V	G	E	E	V			
UniRef90_D5XFE9									
UniRef90_UPI0002FA199D	V	D	V	E	P				
UniRef90_W4Q4N4	V	V	V	E					
UniRef90_U2SS31	V	E	C	E	E	V			
UniRef90_B1I5I0	V	T	V	T	P	V			
UniRef90_A5MZ45	V	S	I	E	K	I			
UniRef90_F6CL20	V	E	V	R	L	I			
UniRef90_UPI00035F5E0D	V	I	V	S					
UniRef90_W6NHZ1	V	S	V	N	G	I			
UniRef90_R6BUQ3	V	L	A	E	P	I			
UniRef90_R7R4D5	V	Y	C	E	E				
UniRef90_Q65JK5	I	E	V	T	E	L			
UniRef90_R9KIN4	V	V	G	E	K	V			
UniRef90_UPI0004187B07	V	D	V	H	P	I			
UniRef90_UPI000479F6B5	V	D	V	K	K	L			
UniRef90_C4L644	V	E	V	N					
UniRef90_R7N3V2	V	V	G	S	E	L			
UniRef90_A0A059NX18	V	R	V	Q	N				
UniRef90_Q893S8	V	M	L	H	K	L			
UniRef90_Q893S8	V	M	L	H	K	L			
UniRef90_Q849A5	V	E	I						
UniRef90_C4Z5I4	A	A	G	E	A	I			
UniRef90_L7VI61	V	E	V	T	E	I			
UniRef90_D3L373	F	C	V	E	L	I			
UniRef90_W1SJB4	V	T	V	S	E				
UniRef90_D4JND6	V	E	G	K	E	I			
UniRef90_V9W717	V	N	V	T					
UniRef90_D7CM22	A	D	I	Q	K	L			
UniRef90_A5D0E6	A	E	L	E	R	V			
UniRef90_E0P226	I	G	V	E	E	L			
UniRef90_F4LTR1	V	C	V	Q	P	V			
UniRef90_I4BUJ1	F	T	V	E	I	I			
UniRef90_E3PSI0	V	E	I	S					
UniRef90_UPI000429AB69	C	E	I						
UniRef90_I9C3Q3	A	V	V	L	P				
UniRef90_D2Z3J6	T	E	V	L	P				
UniRef90_M1Z5J8	I	H	I	S					
UniRef90_U2D272	V	E	I	K	Q	L			
UniRef90_UPI0001E891C0	V	N	V	I	K	L			
UniRef90_W4C977	A	K	L	I	Q	L			
UniRef90_F4EW28	V	K	I	E	E	V			
UniRef90_B2A371	V	Y	L	K					
UniRef90_E3CVV0	V	E	V	R	P	V			
UniRef90_W8TFQ0	A	T	V	C	E				
UniRef90_UPI000373AAD4	V	A	T	E	I	I			
UniRef90_R6G0D3	V	T	V	E	D	V			
UniRef90_UPI0003153450	V	E	V	S	S	L			
UniRef90_X0R569	V	H	I	E	S	L			
UniRef90_H9UAS3	V	I	V	K	P	L			
UniRef90_UPI0003B40689	V	D	I	G	E				
UniRef90_R7RPF2	V	N	I	D					
UniRef90_R6W1X8	V	T							
UniRef90_B7IHS6	V	I	V	K	K	V			
UniRef90_R5UJZ7	A	V	G	E	E	L			
UniRef90_UPI00016C0EF4	V	T	I	E	E				
UniRef90_S5Z3I8									
UniRef90_A0A024PKQ8	V	N	I	Q	D	L			
UniRef90_M1E5L4	V	E	V	M	P				
UniRef90_H2J6G4	V	A	V	N	E				
UniRef90_Q8ENE1	A	N	I	Q					
UniRef90_C0GJE7	V	T	L	R	E	V			
UniRef90_R6NRY4	A	V	G	E	E	V			
UniRef90_W6RYK3	V	Q	V	K					
UniRef90_F0KA05	I	N	V	E	Q	L			

UniRef90_V2Z4U4
UniRef90_U4WQB0
UniRef90_UPI00036DE46E
UniRef90_UPI00028939F3
UniRef90_UPI00028939F3
UniRef90_UPI0003B2FED8
UniRef90_10GND3
UniRef90_B1QXB3
UniRef90_J8TA71
UniRef90_C8W1C6
UniRef90_UPI00041D7C93
UniRef90_UPI0003B46C55
UniRef90_UPI000380CEF7
UniRef90_T0PET7
UniRef90_T0PET7
UniRef90_U6BEA3
UniRef90_UPI0003B72BC9
UniRef90_R4KPY7
UniRef90_UPI00028A0DBD
UniRef90_F6DN24
UniRef90_N9Y3A8
UniRef90_G2SRG8
UniRef90_R9MQW1
UniRef90_V6J8D6
UniRef90_R9BT10
UniRef90_A6TRN2
UniRef90_UPI00029A2808
UniRef90_UPI000288923A
UniRef90_K4LTG6
UniRef90_I3DZD2
UniRef90_C9RAY6
UniRef90_W9AC45
UniRef90_B2TLQ6
UniRef90_D4IVJ8
UniRef90_A0A023CQM3
UniRef90_UPI0004132B9D
UniRef90_UPI00047EAAAE
UniRef90_B5Y7B3
UniRef90_UPI0003B2EADAE
UniRef90_S0EU66
UniRef90_K1ZKG1
UniRef90_S1NSW6
UniRef90_Q9K8N5
UniRef90_I4DA89
UniRef90_S6EJ15
UniRef90_A8MHG2
UniRef90_W0EAA8
UniRef90_UPI000255BE35
UniRef90_UPI00047DB3B6
UniRef90_U1YEM9
UniRef90_G9QMT4
UniRef90_U2PZF4
UniRef90_D8GPV2
UniRef90_NOB5H1
UniRef90_I7J5I2
UniRef90_UPI0003666931
UniRef90_W8ZS81
UniRef90_K4MSU3
UniRef90_L0KZV9
UniRef90_G2IGV4
UniRef90_D9SKE1
UniRef90_A0A023CWR1
UniRef90_F7XQE3
UniRef90_Q0AYL2
UniRef90_F8AK23
UniRef90_F8AK23
UniRef90_D7E8U4
UniRef90_UPI0003726A1E
UniRef90_A7GNF6
UniRef90_F0SZE8
UniRef90_D5WPH1
UniRef90_I4ACX7
UniRef90_F4BNT4
UniRef90_K2E3S9
UniRef90_N2BQ68
UniRef90_T0UEU8
UniRef90_UPI00047C7E3D
UniRef90_N6VWV7
UniRef90_N6VWV7
UniRef90_UPI00036FC684
UniRef90_N4WQ09
UniRef90_W9DMZ7
UniRef90_UPI00037C90AF
UniRef90_UPI00037C90AF
UniRef90_D7V0E2
UniRef90_UPI00041559F4
UniRef90_Q0W7Z2
UniRef90_B8CW48
UniRef90_UPI00047A63A8
UniRef90_J1F677
UniRef90_K4L2P2
UniRef90_K6DQV2

UniRef90_V2Z4U4 P S V Q E I E D E K F D F D F S L I F L T K E T E N E E V I R A A I I Q S V S
UniRef90_U4WQB0 P S V E E I E E N E K F D R S F F V L V L I T T K S L E E E I H K A A I S N S
UniRef90_UPI00036DE46E P S A E E N L E E Q E K F D D Y N I E L T I T V K A E E K A V T Q K D A V N S I S E I V K S
UniRef90_UPI00028939F3 P A S E E D L E E A E N F D D Y N I E L T Y I T K K T E K E T K D I L L F K N I S S E I V K S S
UniRef90_UPI00028939F3 P A S E E D L E E A E N F D D Y N I E L T Y I T K K T E K E T K D I L L F K N I S S E I V K S S
UniRef90_UPI0003B2FED8 P S S Q E I E D E Q E K F E L D F S V L I S V S D V A L E K K V I E E I K S T I V S S E I I E A K
UniRef90_I0GND3 P A E E D L E E N E E F D L E E L K F V L I T K A N T V D E I V L S I V N G I S S E I V K
UniRef90_B1QXB3 P S T Q D I E E N E E F D L E E L K F V L I T K A N T V D E I V L S I V N G I S S E I V K
UniRef90_J8TA71 P S T E E L L Q E E E G F D H N Y F Q V I F I T A K A T V I E Q V L K R N I L S N I S A E I V K D
UniRef90_C8W1C6 P T V Q D L E E E E L F E E Q S F T V V L V T T K E K A E S I E E K K V M K V S S E I E E S
UniRef90_UPI00041D7C93 P S S Q E I E D E N F E L D D F S F V L F A T S E D I A K I E S A A T S S V S S E I I E T
UniRef90_UPI0003B46C55 P T V D E L E E K E N F E R S F Q V L L S D V E A I K V I E Q A L L S I S S E I I E K
UniRef90_UPI000380CEF7 P V L E D L E E A E N F D F N I D L V V L L S S Q T I K E I E E K E I K S I T T E I S R R
UniRef90_TOPET7 P T S D D L E E A E N F D F T S F E I L V F V T S S Q S E K E T I R E A E V I K S I T T E I S R R
UniRef90_U6BEA3 P S T Q D I E D E Q E K F D L S F R L I I A S D G D L K P V V L Q A I K N V S S E I I A N
UniRef90_UPI0003B72BC9 P Q I E D I E Q S G Y F N S S I A L I I V S D Q S D L D A Q V K N L A L S I S A E I I K A
UniRef90_UPI00028A0DBD P S T E A D L E E K E A F E S S L I Y V V V T D Q S D L D A Q V K N R A V L L S I S A E I I K A
UniRef90_F6DN24 P V A E D L E E G K Y G A G F Q V I L I T K E D A D R V K N L I T L S S E I I S D S
UniRef90_N9Y3A8 P S T E K L E E N E E F D F T F L E F I L T T S T S K E E I K S L I E S N S E I V I E S
UniRef90_G2SRG8 P S A D L E E D G D F D T D F R M I Y L T K D S V D D V K H I I I S N T E I I E K
UniRef90_R9MQW1 P P A N D I E E D E R F D L D F S L I V V A D C E L E E E I L K S A R N S V S E I I E K
UniRef90_V6J8D6 P T S E E I E N E A F E H Q L T F L I A T E T S D Q E E I Q D T K V N G I S S E I E Q S
UniRef90_R9BT10 P S T E D I E N E Q E F D L L F F L I T S K S K E E I E R E D L V M N I S S E I I R S
UniRef90_A6TRN2 P S I E D I E D E K F D L S F E L V V L S K V P V E E E I E R E L N E I S S D I I E F
UniRef90_UPI00029A2808 P T A D L L E N E N F D T F K L I F V L T N S S K V K S I L N S S S S E I I D Q
UniRef90_UPI000288923A P G T E D L E E N E N F D F K I E L V Y L T E K S K E D E V K K L L K N I S S E I I D K
UniRef90_K4LTG6 P P V Q D L E E E E K F D N S F Q V V L V S R H E E R E I T E A L I E G I S E V R V
UniRef90_I3DZD2 P S V D L L E E E E Q F E H R S D F T V T L I T K E D R E I I E K K I M
UniRef90_C9RAY6 P P V E E L E E E G E Y E R H S F E L V T L T K E D P G R L R R L L L T V S E I V E
UniRef90_W9AC45 P P V E E L E A G E V D R F S L I V L T K S P A A E V K Q S V H N V S E I V E S
UniRef90_B2TLQ6 P T S E E I E N E E F D L D L S F I L V T H N E L L E P I T N V H G T V S E I V E K
UniRef90_D4IVJ8 P S S G D I E D E N F D F D F S F L V S S E S E L D P I E S I K T V S E I I E S
UniRef90_A0A023CQM3 P P A D M L E E E E Q F D Q E F W L T V V T K Q S S A E Q L Y E R L M K
UniRef90_UPI0004132B9D P S T E D I E N E D F E L D Q L D F V L I T T S S E D E V K K L V E N I S E I V R M
UniRef90_UPI00047EAAAE P S I E D L E D E K F D L D F E L L V T K A D A S L L R N K I L R I V A S E I E T
UniRef90_B5Y7B3 P D A E S L E K E E F D L E F R V L V V G S G D L D S L L R N K I L R I V A S E I E T
UniRef90_UPI0003B2EADAE P A S D I E A E Q F D N E F L V A V V T T A A K E D L L V A N R V A A S E I E T
UniRef90_UPI0003S0EU66 P D E A A L E E E E R F G T S F T V L V A T T Q P V E K L V R A E V A E R I V G
UniRef90_K1ZKG1 P D S L S I E E E R F G N Q S F G C V F I T R E S S Q E K V S Q L V N E V L E V K G
UniRef90_S1NSW6 P S T E A L E E D G D F D T D F Q L L F I T Q A S Q G E E V R Q R I L K V I T D I T N
UniRef90_Q9K8N5 P S V E E L E A G Q F A N S F S L L V S D E P A D E I K K E V L E I T D I T N
UniRef90_I4DA89 P S T E D I E S E Q F G D S K L T F T I T R N E E I K N V L S N I S S E V I E
UniRef90_S6EJ15 P S I E E I E D E K F G T S F E L V I T K H D A N F I K G E L S N T I S S E V A N
UniRef90_A8MHG2 P S V E E L E N G S Y E S F S I L V L S D E P Q E E I R S E I L E V S S E I I D D
UniRef90_W0EAA8 P A T E A I E K E E F D Q K L V Y L A A V E C E G S Q K L K Q A I E A I S S E I A A
UniRef90_UPI000255BE35 P G V E E I E K G N I G E K L L L D I I T K A D E I K K Q A I L D I S S E I I A O G
UniRef90_UPI00047DB3B6 P S V E E L E E E E K F E K S F E I V L I T S K E T E D K I E K T V M N V S E I L E A
UniRef90_U1YEM9 P A V E E L E E E H F H R E T V T I V T K D E A S E I K K V M
UniRef90_G9QMT4 P S T E D I E E S E N F D F L K F I L L T H S T S K E E V Y D L V M G I S E I V S
UniRef90_U2PZF4 P G T E D I E N E N F E F E I L C L V L L T K S T S E D V H K L L M N I S
UniRef90_D8GPV2 P P I D Q I E Q E N F D D S F S I L L L S E R S D A K D I K S H L L K
UniRef90_NOB5H1 P S I E D L E Q E N F D D S F S I L L L S E R S D A K D I K S H L L K
UniRef90_I7J5I2 P S L S D L E S E R F G Q S F E V L V R T A L P P E T V K N I V E S V A E I E K
UniRef90_UPI0003666931 P S V T D L E Q E K F D K S F T V I L V T A S D Q A I A E
UniRef90_W8ZS81 P S E A D L E D E K F G F E F S V V F A T K E D D A R I T E V I K K I S E I K A
UniRef90_K4MSU3 P P E K E L E D E K F D F S F L V V A A T S Q S M G S I Q H R I E N I S E I V T K
UniRef90_L0KZV9 P S T Q D I E T E N F D F E V D M L Y I T M M P K E N I Q N S I V K H I S E I K K
UniRef90_G2IGV4 P T T E D L E Q E N F D L E N F S L I V V T H K S E E F M N S L V K A V S E I E K
UniRef90_D9SKE1 P S V D I L E D G D F D T D F R L V Y L T K D N L D M V K H N I E S N S E I I D A
UniRef90_UPI000366931 P S V E E L E D E K F D T D F K V I E A T S E N K D R I S E N V T K I S E V K K
UniRef90_UPI000366931 P P A S D I E E G K F S E E I E L V I T A S S I K E L I S E G R L N A I S E I K V
UniRef90_F7XQE3 P S E E E I K E K S H D E L E I F L S N K Q L D E I T K V F D T M C E M E Y
UniRef90_F8AK23 P S E E E I K E K S H D E L E I F L S N K Q L D E I T K V F D T M C E M E Y
UniRef90_F8AK23 P S M D D L E E E N F S E T E F N V I F S T E N N Q D I K E E V Q K I S E I Q N
UniRef90_D7E8U4 P T V E E I E L D V F D F E F T V H I K T K S S E D E I Q Q A V R S V S E I E H
UniRef90_UPI0003726A1E P S I E E I E A D A F G F E F T V Y M N T E R S E E E L T Q A A L H V S E I E K
UniRef90_A7GNF6 P S L D E L E N G Q A E S F S A L F S N E P A D E V I A E I M Q V S E I I D S
UniRef90_F0SZE8 P P V E E L E Q G N L D L D I R L L L L K E T P E A V I E K A L L G I S E I I R E
UniRef90_D5WPH1 P S T E E L E V G G Q D G F A M L L L S D D P P E E I R S E L L L V S E I I A E
UniRef90_I4ACX7 P G T E V L E N D D F G N F K L I Y V T S Q L D E E T V H N L A L D N S S E I I E
UniRef90_F4BNT4 P E V D A L E A G D F K E F F K L F Q L T Q A N E E L I A S I K T V S E I I K D
UniRef90_K2E3S9 P S A Q D I E D E K F D L D F S F I A S S D E G L E F L T A A K A V S E I I D D
UniRef90_N2BQ68 P D A Q T L E E G T F E S D F S L L Y L T Q Q T L A D V E Q N A S N S S E I I E A
UniRef90_T0UEU8 P S V D D I E N Q H F D G K M R F L L L T M Q T K Q E V M Q I I N Q I S D I E K S
UniRef90_UPI00047C7E3D P T E A E L K E K T F E E L E A M F L S E K D V D E I K K S L E M P I E I E Y
UniRef90_N6VWV7 P T E A E L K E K T F E E L E A M F L S E K D V D E I K K S L E M P I E I E Y
UniRef90_UPI00036FC684 P P V T D I E D E K F L G E F L V V V T K E S Q Q L L E E R L S E I I S Q I E V
UniRef90_UPI00036FC684 P E V Q E L E E E N F D E E T F Q V L V V T K D E A E A V Q Q K I Y K V S E V E N
UniRef90_N4WQ09 P T E A E L E D E K F D L D F T V I F A T K S S D D D I V G T I K K I S E I I K D
UniRef90_W9DMZ7 P S E E L K E K S Y E E L D A I F L S S K E L D D V K K V L D T V Y E M D Y
UniRef90_UPI00037C90AF P S E E L K E K S Y E E L D A I F L S S K E L D D V K K V L D T V Y E M D Y
UniRef90_UPI00037C90AF P E A E A I Q E Q Y E Q S F Q V L D T T E K E A L K Q T I L N I S E V K A
UniRef90_D7V0E2 P P V E K L E D E Q F D N S F S L T I L S T K T S D E L N E R L
UniRef90_UPI00041559F4 P S I L K D I E D E R F G Q S F T V L Q S D R T A G E I E K K A R N I V A E I G A
UniRef90_QOW7Z2 P T K D N I E D E D F G D S I S L L V S K L N S A G E I K K E R N G N I V D G A
UniRef90_B8CW48 P P T E E L E E E K F E N E F L V T V L S Q L D A E E I K Q R I N K V S E I I V A D
UniRef90_UPI00047A63A8 P T A D L L E N G E F N T D F K L I Y L T K N T K E Q V E A N I D I N S E I I D T
UniRef90_J1F677 P S I D E L E V C A L E F N I L L F V T N E S Q E D I R A D I L E V S E I I Y D
UniRef90_K4L2P2 P P P E I I E D D K F K G S L V Y L I T N A T E H E A I Q I V N N I S D I Y S
UniRef90_K6DQV2 P P P E I I E D D K F K G S L V Y L I T N A T E H E A I Q I V N N I S D I Y S

UniRef90_V2Z4U4
 UniRef90_U4WQB0
 UniRef90_UPI00036DE46E
 UniRef90_UPI00028939F3
 UniRef90_UPI00028939F3
 UniRef90_UPI0003B2FED8
 UniRef90_I0GND3
 UniRef90_B1QXB3
 UniRef90_J8TA71
 UniRef90_C8W1C6
 UniRef90_UPI00041D7C93
 UniRef90_UPI0003B46C55
 UniRef90_UPI000380CEF7
 UniRef90_T0PET7
 UniRef90_T0PET7
 UniRef90_U6BEA3
 UniRef90_UPI0003B72BC9
 UniRef90_R4KPX7
 UniRef90_UPI00028A0DBD
 UniRef90_F6DN24
 UniRef90_N9Y3A8
 UniRef90_G2SRG8
 UniRef90_R9MQW1
 UniRef90_V6J8D6
 UniRef90_R9BT10
 UniRef90_A6TRN2
 UniRef90_UPI00029A2808
 UniRef90_UPI000288923A
 UniRef90_K4LTG6
 UniRef90_I3DZD2
 UniRef90_C9RAY6
 UniRef90_W9AC45
 UniRef90_B2TLQ6
 UniRef90_D4IVJ8
 UniRef90_A0A023CQM3
 UniRef90_UPI0004132B9D
 UniRef90_UPI00047EAAAE
 UniRef90_B5Y7B3
 UniRef90_UPI0003B2EDAE
 UniRef90_S0EU66
 UniRef90_K1ZKG1
 UniRef90_S1NSW6
 UniRef90_Q9K8N5
 UniRef90_I4DA89
 UniRef90_S6EJ15
 UniRef90_A8MHG2
 UniRef90_W0EAA8
 UniRef90_UPI000255BE35
 UniRef90_UPI00047DB3B6
 UniRef90_U1YEM9
 UniRef90_G9QMT4
 UniRef90_U2PZF4
 UniRef90_D8GPV2
 UniRef90_NOB5H1
 UniRef90_I7J5I2
 UniRef90_UPI0003666931
 UniRef90_W8ZS81
 UniRef90_K4MSU3
 UniRef90_L0KZV9
 UniRef90_G2IGV4
 UniRef90_D9SKE1
 UniRef90_A0A023CWR1
 UniRef90_F7XQE3
 UniRef90_Q0AYL2
 UniRef90_F8AK23
 UniRef90_F8AK23
 UniRef90_D7E8U4
 UniRef90_UPI0003726A1E
 UniRef90_A7GNF6
 UniRef90_F0SZE8
 UniRef90_D5WPH1
 UniRef90_I4ACX7
 UniRef90_F4BNT4
 UniRef90_K2E3S9
 UniRef90_N2BQ68
 UniRef90_T0UEU8
 UniRef90_UPI00047C7E3D
 UniRef90_N6VWV7
 UniRef90_N6VWV7
 UniRef90_UPI00036FC684
 UniRef90_N4WQ09
 UniRef90_W9DMZ7
 UniRef90_UPI00037C90AF
 UniRef90_UPI00037C90AF
 UniRef90_D7V0E2
 UniRef90_UPI00041559F4
 UniRef90_Q0W7Z2
 UniRef90_B8CW48
 UniRef90_UPI00047A63A8
 UniRef90_J1F677
 UniRef90_K4L2P2
 UniRef90_K6DQV2

V E T N V I
 V E I S N I
 V E I S N I
 A V G G P
 I V V E T V
 V E
 V D
 V K V K P L
 V K V Q K
 I
 V I V L P I
 F Q L V S L
 F Q L V S L
 V S I V P
 A E G G P
 V H I Q K I
 I R L T P
 A E I Q P L
 V E V K N V
 Y I V E E
 V V G A P
 V A V T P I
 V E T S Y V
 F S V I D L
 V I I E D
 I E I
 G T I E R L
 V E V T P I
 A E I S P
 V E V S M V
 V E A E K V
 V E T K L I
 F D I
 V D V I E I
 V V A E E I
 V N I V P
 V Q I V L I
 I I V K P
 V D I
 V T V F P
 V I T S S I
 I E I N P I
 V S V N
 V D V S S I
 V E V A P L
 V E V R E I
 V K A N Y V
 V A V T
 I D I S
 V E I T P L
 V A I K E I
 V M T K D L
 T I V E P
 V T L
 R E I K E I
 I A V A P I
 I A V A P I
 V T L S E I
 V E I N K L
 V E V K Q
 V K I N
 V V V K P
 V E I H P
 V L I Q T I
 V L V N D
 V I G E Q I
 F V V A P
 V N I N Q I
 I A I S P V
 I A I S P V
 I H I E S I
 V I V E P
 V V P T T I
 I I V V P I
 I I V V P I
 I E I K E V
 A K V T E I
 V E I E V I
 V Q V
 F L V E E
 A Q V T N
 V N L T K I

UniRef90_L0K8U3
UniRef90_G7WHZ9
UniRef90_UPI0002DBD617
UniRef90_A9BHX9
UniRef90_Q5WEU3
UniRef90_UPI0002F88D25
UniRef90_C9REX3
UniRef90_C9REX3
UniRef90_UPI00047B1F8E
UniRef90_UPI000249297F
UniRef90_I3RD29
UniRef90_I3RD29
UniRef90_A6VFL8
UniRef90_A6VFL8
UniRef90_E3ZDX7
UniRef90_Q8RA13
UniRef90_E6SIG1
UniRef90_A4FXW0
UniRef90_A4FXW0
UniRef90_UPI00035FDEFC
UniRef90_UPI0003661706
UniRef90_UPI000471EFA3
UniRef90_UPI00037107B0
UniRef90_A0A011RKM9
UniRef90_F4HN46
UniRef90_F4HN46
UniRef90_H3ZR47
UniRef90_H3ZR47
UniRef90_K6D480
UniRef90_W4Q2P6
UniRef90_H5XYR5
UniRef90_I8J033
UniRef90_D5VS87
UniRef90_D5VS87
UniRef90_UPI0002E17926
UniRef90_G7V5K3
UniRef90_R5I041
UniRef90_F8AGS5
UniRef90_F8AGS5
UniRef90_J0S029
UniRef90_G0H055
UniRef90_G0H055
UniRef90_R9CAZ0
UniRef90_UPI0003768781
UniRef90_W8PL65
UniRef90_W8PL65
UniRef90_W7ZR04
UniRef90_E1RJTO
UniRef90_E1RJTO
UniRef90_Q3ADH0
UniRef90_I3VRM1
UniRef90_A6UNQ8
UniRef90_UPI00046E76A8
UniRef90_Q5JF94
UniRef90_Q5JF94
UniRef90_D3RXM1
UniRef90_L0HCU1
UniRef90_T0D962
UniRef90_UPI0004794858
UniRef90_A7I7Z3
UniRef90_O58222
UniRef90_O58222
UniRef90_Q9UYF4
UniRef90_Q9UYF4
UniRef90_R6VH23
UniRef90_UPI00037A3325
UniRef90_C1A888
UniRef90_O29222
UniRef90_B8GK90
UniRef90_UPI0003718DD8
UniRef90_I7LN52
UniRef90_F6CK23
UniRef90_N1WLJ9
UniRef90_A3CU26
UniRef90_UPI00047DA001
UniRef90_UPI00029AF500
UniRef90_UPI00029AF500
UniRef90_UPI00046FD1F3
UniRef90_D3F412
UniRef90_D5X904
UniRef90_W4CNP4
UniRef90_F5LM82
UniRef90_X1B8T1
UniRef90_A3DHQ7
UniRef90_D7DTZ6
UniRef90_D7DTZ6
UniRef90_UPI000405F496
UniRef90_W4BUR3
UniRef90_B6YX73
UniRef90_B6YX73
UniRef90_A0A037Z447
UniRef90_W4EE07

UniRef90_L0K8U3 P S I I D K I R N E E N L E N Q F S V L F L L T D K E K S D L L N S L L T T I I S E L V K R
UniRef90_G7WHZ9 P S I I E E L E A G N A N N F S M L I L L S D E E S G S D E I L K R D L L E I S E L V D
UniRef90_UPI0002DBD617 P S F E E E I K E K E N F T D H F I I H I R S V S P F L I Q K E V L M H M T D V V K N S
UniRef90_A9BHX9 P S V E E E I K E K E N F D K E F I I F G I V T S K S I G E I V E L V N K V S E V V K N S
UniRef90_Q5WEU3 P S R E E E L E E E G K F A S G E F T L T A A T T L P D S D I I A K E R L V N G I A E V V K Q
UniRef90_UPI0002F88D25 P E N E V I E E D E N F Y E D G Q L T Y I L V I T N S A N E E E I K S I V N N I A D E I Q S
UniRef90_C9REX3 P T E G E L K E E Q S Y E E L D V M F L S D K N I E E E I K K E V E N V V P E I I D Y
UniRef90_C9REX3 P T E G E L K E E Q S Y E E L D V M F L S D K N I E E E I K K E V E N V V P E I I D Y
UniRef90_UPI00047B1F8E P T I E E E I E E D E F D T D F S W I I A S E K S N A E E E I K K A G E S S S E I V A Q
UniRef90_UPI000249297F P A P D Q L E E E D G N K F D K Y F E V K L R T S A N E N E I R E I L L K K H P D V V N
UniRef90_I3RD29 P S R Q D I E E N G K F D K Y F E V K L R T S A N E N E I R E I L L K K H P D V V N
UniRef90_I3RD29 P S R Q D I E E N G K F D K Y F E V K L R T S A N E N E I R E I L L K K H P D V V N
UniRef90_A6VFL8 P S E A E L L S S G S G E L D V L V S T D L D E I D I S N S V
UniRef90_A6VFL8 P S E A E L L S S G S G E L D V L V S T D L D E I D I S N S V
UniRef90_E3ZDX7 P D R E A I E I E E F F E D Y S F T L H F L T
UniRef90_Q8RA13 P P V E L I E A E K V G R S L Q V W L R T G A D R D A V L A A L R H V P E L V R
UniRef90_E6SIG1 P S R E S D L L S S G S D E I D I L I S A D S D G M D I S D S V C C E M E Y V V S
UniRef90_A4FXW0 P S E S D L L S S G S D E I D I L I S A D S D G M D I S D S V C C E M E Y V V S
UniRef90_A4FXW0 P S E S D L L S S G S D E I D I L I S A D S D G M D I S D S V C C E M E Y V V S
UniRef90_UPI00035FDEFC P E I E K I K N E E L N D I F H V L F L S R D E E E I L Y N S I N T I S E V E E
UniRef90_UPI0003661706 P S V Q D L E N E N F E H S F A V L F V T T K S L
UniRef90_UPI000471EFA3 P P T E T L E D E H F G L L L L T I T E E D K Q S L V D T L N H I I S H I D S
UniRef90_UPI00037107B0 P D F D H Q E N Q E E D Y K L Q F L I A T Q Q N K T E I L D I V E S M T S D I D S Q
UniRef90_A0A011RKM9 P P A D Q L E I E Q G R L D D G P V F T L Y F L S K E S P A E N L L A E T E G S S D V I A N
UniRef90_F4HN46 P S R G E I E D G R L D K Y F E V V L R T S E S P E R I K E L I R K H P D D V A N K
UniRef90_F4HN46 P S R G E I E D G R L D K Y F E V V L R T S E S P E R I K E L I R K H P D D V A N K
UniRef90_H3ZR47 P E P N K L L E K E E L G K Y F G V L L Y T N E K K D N I T Q L I L K H P D D V E K
UniRef90_H3ZR47 P E P N K L L E K E E L G K Y F G V L L Y T N E K K D N I T Q L I L K H P D D V E K
UniRef90_K6D480 P A P E V I E E E K F E G S L A F I I V T N A K N K E V F N V V N S I I S S D I Q A S
UniRef90_W4Q2P6 P S I E E M E N G S A E I N G R L S F V L L T H A K E E E V I Q R E V I H Q I S E I A S
UniRef90_H5XYR5 P S I E E L E V G S D E E F F L L V L C D E P A R E E I Y Q R E L L E I S E I V E
UniRef90_I8J033 P P L E A M G G R F E K D L S F L Y R T K Q K E S E I K N R L N S I S E I K A
UniRef90_D5VS87 P T E G E L K E K S F D V L D V L F L S E K D A E E I E K E L R L P E I
UniRef90_D5VS87 P T E G E L K E K S F D V L D V L F L S E K D A E E I E K E L R L P E I
UniRef90_UPI0002E17926 P P T D I I E D D K F D G N L V Y I V V T T A T K Q Q V I N I V N S S D I R T E S
UniRef90_G7V5K3 P D M E K L V E D E G F D G S F V F H L E T H E E S P E R I E A V L R V S E I E S
UniRef90_R5I041 P S S Q D I E D E K F F E F S F F L A S E E S E D K I V A V A K A V S E I E K
UniRef90_F8AGS5 P D R K I I E D G N A N Q D V E F K V V T E A S K E E I E K L V R R R H P
UniRef90_F8AGS5 P D R K I I E D G N A N Q D V E F K V V T E A S K E E I E K L V R R R H P
UniRef90_J0S029 P D K D G I E N G K F D R T F E V V L E S A A G A D A V R M A A S R T D I Q E
UniRef90_G0H055 P T E E N L L S S G S G E L D V L I S T D L D N I D I L D S V C E M E Y
UniRef90_G0H055 P T E E N L L S S G S G E L D V L I S T D L D N I D I L D S V C E M E Y
UniRef90_R9CAZ0 P P V E E L E S E K F E Y D F M T L I S K E T A D K I E A A I M S
UniRef90_UPI0003768781 P D A E S L E K E E F E N E F K V L I V G N G D V N V L R D K I L R I A E V S A
UniRef90_W8PL65 P N A I D I Q N G E L G Y Y F R V I L R T N L N K E D I V K I I T K H P D D V E N
UniRef90_W8PL65 P N A I D I Q N G E L G Y Y F R V I L R T N L N K E D I V K I I T K H P D D V E N
UniRef90_W7ZR04 P Y T E A L E E G L F E K T F Q V V A A T G V E T N E I V Q S V G S L T E I T H
UniRef90_E1RJTO P S I D E I D S G E I D D A F E V I S S E S P E S Q I L T S S R G T E I K E
UniRef90_E1RJTO P S I D E I D S G E I D D A F E V I S S E S P E S Q I L T S S R G T E I K E
UniRef90_Q3ADH0 P A E E I L V K T E D F N D F I V Y L A T N E D E D R L Q N I L L T I P E
UniRef90_I3VRM1 P D M T D M N D I D V E S I S Y L L T E F D K E Q L K V K V L D R M E I I E S
UniRef90_A6UNQ8 P S E E Q I Q T G N L E G E S A I I Y N S D S S E D E I R E L I L K T P E I I D
UniRef90_UPI00046E76A8 P G T D E D E R Y G Q F T V V A A T T K E L Q A I Q D Q L G D D S D I I Q R A G
UniRef90_Q5JF94 P S R L D I Q N G D L G H Y F E V T L A P D A N L D E I K E A V L K H P D D V A G
UniRef90_Q5JF94 P S R L D I Q N G D L G H Y F E V T L A P D A N L D E I K E A V L K H P D D V A G
UniRef90_D3RXM1 P S E E E M E K E N F D G K F I I Y M N T D N I E K V E T V L S K D S E I E K
UniRef90_L0HCU1 P S K D D I D E G K F D G T V N L R I S S E A G E A L R T A A Q G S E I A T
UniRef90_T0D962 P D V P V L E E G S F T G A E L V V L H N G T F D A L R A A V A D I A E V S A Q R
UniRef90_UPI0004794858 P E Q S R W Q E D G F D G V F R V T L V S D A A E D T L V Q A A M A G D V S R
UniRef90_A7I7Z3 P S K E A I D E G N C E G T V H L T I A S D A G E E A L R T A A Q G S E I A T
UniRef90_O58222 P G R E I I E N G N L E G D V E F R I V S E T P K E E L L E T V I K R H P
UniRef90_O58222 P G R E I I E N G N L E G D V E F R I V S E T P K E E L L E T V I K R H P
UniRef90_Q9UYF4 P G R D V I E S G N L D K D I E F K V S S D L P K E E L L E K V I T R H P
UniRef90_Q9UYF4 P G R D V I E S G N L D K D I E F K V S S D L P K E E L L E K V I T R H P
UniRef90_R6VH23 P D V Q D L E D E K F D M N F S L I Y F T Q E S A E K V K A A I E N V S E I K E
UniRef90_UPI00037A3325 L S P A A A E D E R Y G R F A V I T A T A K A P Q L V Q E L L R S D S D V I Q S R
UniRef90_C1A888 P P Q E R W Q D D A F D G V F S V L L T S D A G D A L V D A A R S A G D V I A R
UniRef90_O29222 P D E S D M E K E T F D G H F V V Y L N A P D A S V V E D T I S K I A E I D R S
UniRef90_B8GK90 P S R A A I D D G C G V D L M V V V Q S D A G S D S L K V A A E G P D V I Q S E
UniRef90_UPI0003718DD8 P S W D R A T E E T N L R E F S Y I V E T N A D S D A L R Q A L S Q L M D I E E
UniRef90_I7LN52 P T R D L T E D G K F D G P I E I R I A S E A G E A L R T V A S G T E I
UniRef90_F6CK23 P S F D E I K E H G F E G E I K A R F F A R E S S L D T V K E A L Q A I P D M V K A
UniRef90_N1WLJ9 P D I D E L E K G V D A T S I A L L F V S S E S F E Q I R T A A N V D M V E S
UniRef90_A3CU26 P S R E L L E D G K F D G A F E I L I E S E A G V D A L R T I A S G T E I
UniRef90_UPI00047DA001 P S M D D V D A F D G R I E A W I A T H E H D D D A V I A A A E S V S D V Q H
UniRef90_UPI00029AF500 P S P D A I Q N G E L G Q Y F E V V M V P S K P M G E I K A A I L K H P D V E S
UniRef90_UPI00029AF500 P S P D A I Q N G E L G Q Y F E V V M V P S K P M G E I K A A I L K H P D V E S
UniRef90_UPI00046FD1F3 P D L D S I T E E A A F N E I A C L I T T S L D P E T I Q H K L G E L D V E H
UniRef90_D3F412 P A Q D G V E F F Q G T R L E A W L A S D R E D H V I E A A A A G V S D V E H
UniRef90_D5X904 P S A E D L E K E Q V G S E L T V V L L I T K E T P E N I E K L L K D L P N L T E S
UniRef90_W4CNP4 L A P P A A E D A R Y S Q F A V V A A S P R E E R Q V S E Q L A G E T D V E S
UniRef90_F5LM82 P E P E G L D E E G Y P G D L L F L Y A G N Q S R E E I Q V F A D G L M E V E R
UniRef90_X1B8T1 P R P D V L E S G N I D Q D F E I Y F I S Q K K S G A I N K V L D E I L E I E N
UniRef90_A3DHQ7 P N V M E I P I D S D V G K V A F L V V T Q M S A D E L R Q K V Q N L M D L K
UniRef90_D7DTZ6 P T I E D I K N V S Y D N I D V L Y A Y S G T E G E L E D I L N S A C C E
UniRef90_D7DTZ6 P T I E D I K N V S Y D N I D V L Y A Y S G T E G E L E D I L N S A C C E
UniRef90_UPI000405F496 P P A D V M Q T G E F E F E L L W L V A F E G D A E Q C L G T V R G V S D I V A G
UniRef90_W4BUR3 P G A Q N E D D H Y G Q F L I I V A T S K D P Q Q I K A E L S S D S S D I V H M
UniRef90_B6YX73 P D T V A I Q N G D I G H Y F K V L M V S N V L P N D I K A E I V R K H P D V E D
UniRef90_B6YX73 P D T V A I Q N G D I G H Y F K V L M V S N V L P N D I K A E I V R K H P D V E D
UniRef90_A0A0372447 P D F E K V C E E T Y D G I L D A L I A T K N Y D D I Y K N I K S I S E I D K
UniRef90_W4EE07 P E L E E I E D H D S R I D E A S W L L S P K D I E E L R Q E V L S I M D V D R

UniRef90_L0K8U3 V E I N Q V
UniRef90_G7WHZ9 V Q V R
UniRef90_UPI0002DBD617 V E L
UniRef90_A9BHX9 V Y V D E
UniRef90_Q5WEU3 V T V T
UniRef90_UPI0002F88D25 V Q L T N
UniRef90_C9REX3 V A V
UniRef90_C9REX3 V A V
UniRef90_UPI00047B1F8E V R V G E
UniRef90_UPI000249297F V
UniRef90_I3RD29 F T I S S V
UniRef90_I3RD29 F T I S S V
UniRef90_A6VFL8
UniRef90_A6VFL8
UniRef90_E3ZDX7 V T I K E
UniRef90_Q8RA13
UniRef90_E6SIG1 V T I Q Q
UniRef90_A4FXW0 A Q V N
UniRef90_A4FXW0 A Q V N
UniRef90_UPI00035FDEFC I E I K V V
UniRef90_UPI0003661706
UniRef90_UPI000471EFA3 Y H I T P I
UniRef90_UPI00037107B0 V A V N
UniRef90_A0A011RKM9 L K I R Q
UniRef90_F4HN46 F E V I P
UniRef90_F4HN46 F E V I P
UniRef90_H3ZR47 V E I
UniRef90_H3ZR47 V E I
UniRef90_K6D480 I H L T
UniRef90_W4Q2P6 I E L K
UniRef90_H5XYR5 V V A H P
UniRef90_I8J033 M V V H P
UniRef90_D5VS87
UniRef90_D5VS87
UniRef90_UPI0002E17926 V A L T L I
UniRef90_G7V5K3 C S I E G V
UniRef90_R5I041 V D A E E I
UniRef90_F8AGS5
UniRef90_F8AGS5
UniRef90_J0S029 V A V R P
UniRef90_G0H055 V V S K E V
UniRef90_G0H055 V V S K E V
UniRef90_R9CAZ0
UniRef90_UPI0003768781 V E V T E I
UniRef90_W8PL65 A D V R E I
UniRef90_W8PL65 A D V R E I
UniRef90_W7ZR04 V D V K D
UniRef90_E1RJTO V R I E P
UniRef90_E1RJTO V R I E P
UniRef90_Q3ADH0
UniRef90_I3VRM1 F N
UniRef90_A6UNQ8 T S V E T L
UniRef90_UPI00046E76A8 L H I A P
UniRef90_Q5JF94 V E V V E
UniRef90_Q5JF94 V E V V E
UniRef90_D3RXM1 Y N I Q K I
UniRef90_L0HCU1 V E I T Q V
UniRef90_T0D962 V D I V Q L
UniRef90_UPI0004794858 V Q V R
UniRef90_A7I7Z3 V E I K E
UniRef90_O58222
UniRef90_O58222
UniRef90_Q9UYF4
UniRef90_Q9UYF4
UniRef90_R6VH23 A V V G E
UniRef90_UPI00037A3325 V D V T
UniRef90_C1A888 V Q V R
UniRef90_O29222 F E V S P V
UniRef90_B8GK90 V Q V V E
UniRef90_UPI0003718DD8 A E V L P
UniRef90_I7LN52
UniRef90_F6CK23 V E L S
UniRef90_N1WLJ9 L D V D E
UniRef90_A3CU26
UniRef90_UPI00047DA001 V H L R P
UniRef90_UPI00029AF500 V A V G E
UniRef90_UPI00029AF500 V A V G E
UniRef90_UPI00046FD1F3 V K V T P V
UniRef90_D3F412 V A V Q E
UniRef90_D5X904 P S V R K L
UniRef90_W4CNP4 I V I T P
UniRef90_F5LM82 A V V E P L
UniRef90_X1B8T1 K T I K
UniRef90_A3DHQ7 V R V F P
UniRef90_D7DTZ6
UniRef90_D7DTZ6
UniRef90_UPI000405F496 A E L
UniRef90_W4BUR3 L E I D P
UniRef90_B6YX73 V K V E E
UniRef90_B6YX73 V K V E E
UniRef90_A0A037Z447 V Y I K K V
UniRef90_W4EE07 I Y I E E V

UniRef90_J9HDL4
UniRef90_W4CZ43
UniRef90_D2RE79
UniRef90_U5CSD6
UniRef90_R9L8I2
UniRef90_Q67P71
UniRef90_H1Z4C3
UniRef90_H1Z4C3
UniRef90_B8JCR8
UniRef90_F2KP62
UniRef90_A7HIU3
UniRef90_W4AI26
UniRef90_UPI0003B34658
UniRef90_M1QFJ8
UniRef90_UPI00029AF3FB
UniRef90_F8IIIG5
UniRef90_F1ZVB5
UniRef90_X0Z6A4
UniRef90_UPI00041AE3E7
UniRef90_W7YXP2
UniRef90_Q09BG8
UniRef90_I0XPW3
UniRef90_UPI000368996F
UniRef90_W1UAA0
UniRef90_UPI000422D7DB
UniRef90_L7UPU2
UniRef90_D9QPQ0
UniRef90_C8WWG9
UniRef90_U5MQD2
UniRef90_K6TA66
UniRef90_K2CNX0
UniRef90_B0TC94
UniRef90_V6HFQ3
UniRef90_A6M113
UniRef90_L7VKV8
UniRef90_UPI000381E9D6
UniRef90_B7R1J5
UniRef90_E1R3Q4
UniRef90_F5YG10
UniRef90_Q8TLH0
UniRef90_U5MV10
UniRef90_B0SCG7
UniRef90_H8MJZ9
UniRef90_W0RJ4
UniRef90_UPI00029A998E
UniRef90_Q2FMT1
UniRef90_Q2FMT1
UniRef90_H2CF94
UniRef90_K2BIX1
UniRef90_F5YNL1
UniRef90_C7NUW2
UniRef90_E3DPL4
UniRef90_H9UJN5
UniRef90_UPI00035F3784
UniRef90_UPI0003F6EA16
UniRef90_E6SJU6
UniRef90_UPI0002DD428A
UniRef90_F4LIF8
UniRef90_E7QQ31
UniRef90_UPI000466D45B
UniRef90_M6ZK77
UniRef90_H7ELL4
UniRef90_F8F2J3
UniRef90_R4VW8A8
UniRef90_M5E3D8
UniRef90_J3EYB8
UniRef90_S3K2F2
UniRef90_D8IB20
UniRef90_I0FDA1
UniRef90_E7NRQ9
UniRef90_Q12YX0
UniRef90_Q12YX0
UniRef90_K6QE53
UniRef90_M1XRG1
UniRef90_C9R9B7
UniRef90_D5U842
UniRef90_V4J2C9
UniRef90_X0Z8K7
UniRef90_U2KJE1
UniRef90_R5LA19
UniRef90_M2AAE3
UniRef90_U1QK32
UniRef90_E1R5V4
UniRef90_UPI000361591A
UniRef90_P96123
UniRef90_V5WI31
UniRef90_U1F8K5
UniRef90_I8R604
UniRef90_T4VRV1
UniRef90_V2ZKN3
UniRef90_I4B2D7
UniRef90_R9L8K6

1 GRE P L V I Q I A F A P E E C T M K A V R L L M V E R A L V E S F G E C A A V T F
GS A A M A V H I Q L A A D E E P M K Y V R A K L V E A K L R E K D M T G E V I A T F
UniRef90_D2RE79 N I L R E I S D V K L A S K D C C I M K S N A R A T L I L E K Y I K E E M V C G N V I S G V D E
UniRef90_U5CSD6 G L N V Y Q A R L E I A S P E C C A M K P A V R A F Q A L L A V G D K A G D I V L S V
UniRef90_R9L8I2 N I L R E I S D V K L A S K D C C I M K S N A R A T L I L E K Y I K E E M V C G N V I S G V D E
UniRef90_Q67P71 G L N V Y Q A R L E I A S P E C C A M K P A V R A F Q A L L A V G D K A G D I V L S V
UniRef90_H1Z4C3 N I L R E I S D V K L A S K D C C I M K S N A R A T L I L E K Y I K E E M V C G N V I S G V D E
UniRef90_H1Z4C3 N I L R E I S D V K L A S K D C C I M K S N A R A T L I L E K Y I K E E M V C G N V I S G V D E
UniRef90_B8JCR8 H R R V Q V E V E I S I A D P A S Q M K G I D A M I L L Q N L E K A G D I I S S R R A
UniRef90_F2KP62 G T R R V Q V E V E I S I A D P A S Q M K G I D A M I L L Q N L E K A G D I I S S R R A
UniRef90_A7HIU3 G T R R V Q V E V E I S I A D P A S Q M K G I D A M I L L Q N L E K A G D I I S S R R A
UniRef90_W4AI26 G S E V M A I H V E Q L A E E E S M K Y V R A K L A E I N L K E Q G G E I A V C F S
UniRef90_UPI0003B34658 G T R V V S V E V E L D D E A V M P A V R A Y Q V I A A L K G D H Q G Q V L A V C F S
UniRef90_M1QFJ8 L V L D V E L V K E D C A M K G L R A S L I I E S L K G D I S K V L A K T S T E
UniRef90_UPI00029AF3FB G K V A Y R L H I Q L T S D C M M P A V R L A M V Y Q N Y F N E I S G T V I G T A E R
UniRef90_F8IIIG5 G L N C W L C E V Q L S N D S C M K L A R V Y L I Y N Y F N E I S G T V I G T A E R
UniRef90_F1ZVB5 Q L R I V L D N P D C A M K A A R A W L L Q R Q L H E A Y G G T L L A Y A R
UniRef90_X0Z6A4 G R H V W I C E V D I N P A C E M K F A R A H L V L R K N L H D M G T V I A T L
UniRef90_UPI00041AE3E7 G I P V L V I A V T V E Q T A M L K G V R A Y M V V A E V D D Q F L G T L L H A S
UniRef90_W7YXP2 W D L K V R I V P T S Q V P G V R A F L A H K R L S G L L G T L L D L K
UniRef90_Q09BG8 K S W L L K V G L V K P A S Q M K G L R Y T L I V Q N L K S L T T V L Q M K
UniRef90_I0XPW3 L L W F H V R L S P S C E M R L P R L H L I D A R L R S L T T V L Q M K
UniRef90_UPI000368996F G F N A V E I K V T L S E N T L M K S A R A F L V N K D L E D N G E I L R S T
UniRef90_W1UAA0 G R T V L E I H A V L A E E D A Q M P A V R A F Q A L N A A A E L L N G D V L K S T
UniRef90_UPI000422D7DB Q R W A V R L R I S P T C Q V P G V R A F L V H K R L A T N L G T L V D L R
UniRef90_L7UPU2 G K E L Y T V H I R L A P D C C V M K S L R T W L V F E T A S A Y S A I L M A A H
UniRef90_D9QPQ0 G F M P Y W I D V T I N E R C C V M K S L R T W L V F E T A S A Y S A I L M A A H
UniRef90_C8WWG9 G Y N V V N I C E V D I S S E C A M K S L R A W L I F R S I K E H V R I R L K S I
UniRef90_U5MQD2 K A T E I L V T F R P E C A M R S V R F F L I L M N L K E F A G E V I G S V
UniRef90_A6M113 G G S F W I L K V G L K S D A P M K S L R Y S L I L N N L K S G T I Y R T N S
UniRef90_L7VKV8 G Q N V L V C E I S I S E D S Q M K S T R A C L I M N F L N E W G T V V S M V
UniRef90_UPI000381E9D6 G L Q V Y L V S V L A P D E T L M K H P R L H L I E H E L K D V A G R I I S G N T
UniRef90_B7R1J5 N V Y E I V V H F N P D H P M N T V G G V Q I F A A L K G L T G T V L K T I
UniRef90_E1R3Q4 G L P I Y K V S V R F D E N S L M N T V G G I Q V Y A A L K G T G T V L K T T D
UniRef90_F5YG10 L V L D L T L T K D C V M K D L R A A L V M E S L R D V L C G N V I A S L
UniRef90_Q8TLH0 G Y F S M V C E I L L E D S L M K S I R A L L I L N W L N E V I S G V I K C
UniRef90_U5MV10 G L S A F S V D L R K N D T P M Q N L R L L I L Q R S V T S Q S G T V I K C
UniRef90_B0SCG7 G V P R W S V H V R L R I S P T C Q V P G A R A V A V R K L S E A L G T L D A C V
UniRef90_H8MJZ9 L E I L V V R F R P G L Q L A D L K R A R L I V A R L S S G L G E I I S C E
UniRef90_W0RJ4 Y E I H V E I S S S V D S R N L R S M L L L Q N L E G L G T I L H L S
UniRef90_UPI00029A998E I Y H G Y I S I D E S D A P M K A M R Y L L L V L N K F A R N G D V I K V F
UniRef90_Q2FMT1 G K K I L R I D V S I E S D S P M K A M R Y L L L V L N K F A R N G D V I K V F
UniRef90_Q2FMT1 G M P I F R I S V V F D E S S L M N T V G G I Q V Y A A L K G D G T V L R T I
UniRef90_H2CF94 R I Y H L K I H L D E Q D F M Q S V D A M L A L D A I E E D A L D V V A T D
UniRef90_K2BIX1 G Q Q A Y R I T V S F D E D N P M N T V G G I Q V F A A L K G F G Q V L K T E
UniRef90_F5YNL1 G F R G W T V R L L T S E S C E M K M A R A F L L R N R M E E C V K V S A M H
UniRef90_C7NUW2 N V Y C I H T R F N E S D S Q M E N I R A F M L V N K L E E I R G L L M A S E T
UniRef90_E3DPL4 A W R V E A E L D P A C C L M P A V R A L Q V L L A L E D R G L L M A S E T
UniRef90_H9UJN5 G Q K L W G V T V L F D E A N P M N S V G G I Q V F A A L K E V A K G M I V K S T
UniRef90_UPI00035F3784 V F H A D V E M R D S Q M K G V D A M F V L G E V T E Q L E L L G A V
UniRef90_UPI0003F6EA16 G E N L Y A V T V K F D E S N L M N S V G G I Q V F A A L K Q Q G S V L K T V
UniRef90_E6SJU6 G Q K L W A V N V V F D E N N P M N S V G G I Q I Y A A L K N R G T I L K T E
UniRef90_UPI0002DD428A G T T L Y R I A V T F N E D N V M N T V G G I Q V F A A L K G V S T V L R T V
UniRef90_F4LIF8 K V Y H L K A E V V D E T E F K S V R A F M L L K K L D E G I G Q L F K S E
UniRef90_E7QQ31 E T E M K S V D G L F I M Q A V E G A F G D P A T V
UniRef90_UPI000466D45B G Q K L W G V T V V F D E A N P M N S V G G I Q V F T A L K E K G D V L K T I
UniRef90_M6ZK77 G L K I K L V Y V K F N A E S P M R T V G G V Q V F V A L K D K G D V L K T S V
UniRef90_H7ELL4 K L F E V K L Y F N K N N P M S T I S G F Q M L Q A L K S Q G E I Y K S I
UniRef90_F8F2J3 G Q K L Y A I T V H F D E S N L M N T V G G I Q V F A T L K Q V G T V L K T V
UniRef90_R4VW8A8 L I L N V I I A H D S D I K E L K A I L V I E S L K E V V G Q V I K T E
UniRef90_M5E3D8 L I L N V I I A H D S D I K E L K A I L V I E S L K E V V G Q V I K T E
UniRef90_J3EYB8 W L V E A E L D P A C L M P A V R A L Q V L L A L E E Q A T L V A S E
UniRef90_S3K2F2 V G V D P D G M L G V D A M L V L E P L A D A F E D L R T A
UniRef90_D8IB20 G P R R F W I K V H L D P K S P M V G A R A F V I L K R L K E D L G S L E V P L
UniRef90_I0FDA1 G V K T K L V H V S F D P E S P M R T V G G V Q V F V A L K E L G E I M G S I
UniRef90_E7NRQ9 V Y R A T V S T L A E T E M P G V D A I F V L D A A D D F A G V A T D
UniRef90_Q12YX0 K F Y K I H I K L P E T C K F K K V R L Y F I F R A L N K I G Q I C W S N
UniRef90_Q12YX0 K L W G V T V V F D E S N P M N S V G G I Q V F A L K E K T D I L K T I
UniRef90_K6QE53 G L K T K L V F V K F N A E S P M K T V G G V Q V V Y E L K D S G D I I A S T V
UniRef90_M1XRG1 G E D L Y A V L V K F D E S N L M N S V G G I Q V F A A L K D Y G S V L K T V
UniRef90_C9R9B7 V Y R A E V G L G D E T E M P G V E A I F I M Q E L K E G A Y D R L G T D
UniRef90_D5U842 G E G L Y R L F L N I S R D A A M P F A K A Y L L S N L E Q V S N V I R T I
UniRef90_V4J2C9 G I R V L Q I Q V G L A S R C M M K M A C A M V I L D Q I G S L V G E V L Y M E
UniRef90_X0Z8K7 H S V Y A L T V R F D E S N L M N T V G G I Q V F T A L K S C A S V L K T V
UniRef90_U2KJE1 G E T V Y Q V I N F N P D N P M N T V G G I Q V F A A L K A E G K V L S T R
UniRef90_R5LA19 V A V K F D E S N P M N S V R A L I I E A K Y I E E M G N V I C F E
UniRef90_M2AAE3 G E K Q F Y A K V S F E N G C G M E G I R A L G V L A M I E S K C S F I K T I
UniRef90_U1QK32 L F G V H V Y F D E S G J M E N L R A F M L N G V A K D Y C G D F L E T D
UniRef90_E1R5V4 V T L H I F S R S E L A P S V R A F L A E T R L A E F G T I L R K E
UniRef90_UPI000361591A R I R V H F E D G C Q M E N L R A F M L M S Q L K D L C E E I T S A N
UniRef90_P96123
UniRef90_V5WI31
UniRef90_U1F8K5
UniRef90_I8R604
UniRef90_T4VRV1
UniRef90_V2ZKN3
UniRef90_I4B2D7
UniRef90_R9L8K6

UniRef90_J9HDL4
UniRef90_W4CZ43
UniRef90_D2RE79
UniRef90_U5CSD6
UniRef90_R9L8I2
UniRef90_Q67P71
UniRef90_H1Z4C3
UniRef90_H1Z4C3
UniRef90_B8JCR8
UniRef90_F2KP62
UniRef90_A7HIU3
UniRef90_W4AI26
UniRef90_UPI0003B34658
UniRef90_M1QFJ8
UniRef90_UPI00029AF3FB
UniRef90_F8IIIG5
UniRef90_F1ZVB5
UniRef90_X0Z6A4
UniRef90_UPI00041AE3E7
UniRef90_W7YXP2
UniRef90_Q09BG8
UniRef90_I0XPW3
UniRef90_UPI000368996F
UniRef90_W1UAA0
UniRef90_UPI000422D7DB
UniRef90_L7UPU2
UniRef90_D9QPQ0
UniRef90_C8WVWG9
UniRef90_U5MQD2
UniRef90_K6TA66
UniRef90_K2CNX0
UniRef90_B0TC94
UniRef90_V6HFQ3
UniRef90_A6M113
UniRef90_L7VKV8
UniRef90_UPI000381E9D6
UniRef90_B7R1J5
UniRef90_E1R3Q4
UniRef90_F5YG10
UniRef90_Q8TLH0
UniRef90_U5MV10
UniRef90_B0SCG7
UniRef90_H8MJZ9
UniRef90_W0RJ4
UniRef90_UPI00029A998E
UniRef90_Q2FMT1
UniRef90_Q2FMT1
UniRef90_H2CF94
UniRef90_K2BIX1
UniRef90_F5YNL1
UniRef90_C7NUW2
UniRef90_E3DPL4
UniRef90_H9UJN5
UniRef90_UPI00035F3784
UniRef90_UPI0003F6EA16
UniRef90_E6SJU6
UniRef90_UPI0002DD428A
UniRef90_F4LIF8
UniRef90_E7QQ31
UniRef90_UPI000466D45B
UniRef90_M6ZK77
UniRef90_H7ELL4
UniRef90_F8F2J3
UniRef90_R4VW8A8
UniRef90_M5E3D8
UniRef90_J3EYB8
UniRef90_S3K2F2
UniRef90_D8IB20
UniRef90_I0FDA1
UniRef90_E7NRQ9
UniRef90_Q12YX0
UniRef90_Q12YX0
UniRef90_K6QE53
UniRef90_M1XRG1
UniRef90_C9R9B7
UniRef90_D5U842
UniRef90_V4J2C9
UniRef90_X0Z8K7
UniRef90_U2KJE1
UniRef90_R5LA19
UniRef90_M2AAE3
UniRef90_U1QK32
UniRef90_E1R5V4
UniRef90_UPI000361591A
UniRef90_P96123
UniRef90_V5WI31
UniRef90_U1F8K5
UniRef90_I8R604
UniRef90_T4VRV1
UniRef90_V2ZKN3
UniRef90_I4B2D7
UniRef90_R9L8K6

50 60 70 80
P D V Q A L E D A D A S T A Y L A M L V A H Q Q D A D A L L T A I R E I V S E I T T
P E L E A L L E D A D Q F S G A T A Y I L L T Q Q S R Q D M M A S L Q E V S S Q I E I
P D E D A M D S R E E D F V G E T F S I Y I V L K K G D R K A D V E D V L M S Q N I G B E V V E R
P S V D M L Q R E E V V V I T A I L E S R R L K I E D V V W K L S Q N I G B E V V E R N
P E L L D S V I E E E S N L H E V S Y I V E T N G D S E Y L E H S L S Q L M D V E A
P T Q E Q V I E N D Q V I G S D M K L F V T R E K S G Q K V Q D V L R E V P E
P T Y E E I D A G S I E D F F S V I M T S E K S G D D L I H
P T V E E D L K A G R I F G S R L E V E L H T P E P V A A L K E R A L L A Q K L S D Q L K A
P A R E E I L E D G K F I N S R F Q L L L T A E T K G V T K I K E R A L L A Q K L S D Q L K A
P S V E E L R A G R I G K R L E V Q L E T A E T L Q A L E R A L L A Q K L S S D L A G S
P A L E E I E K D S F S G T I V Y L L T T R Q M Q D E D I V A S L N Q I S S Q I V E S
P T N D E L D T F T G Q V I V W L A T E H E D A L V S K A E R V S S Q I V E S R R
P D E N D M E N G F D G C F K V F L E T S G D S S K V E E L M D R I S E I E Q
P P E K D L K N G L L G R A F E V L I E T S G E D L Q R V K Q D A I S A H T G V A D
P T E D A V W A G D V Q T T E A Y V V I Y S E E I L E Q I K Q K V L D I T D V A R
P N I L L E I Q D D A E I S K V S Y L V I T Q L D A K T I E T K A H N L M D V V A S Q
P S M D Q L N A G E I E F G E I D V S L S C Y E L D S A E E L L D P I V G A M P D V A Q
P D L H H L E D D S Q V I G V T Y L L D T H L D Q T I R E F V D V I Q A
P S T E K L E E G E F E E T F T L V L A T G L S E E T V V E R L S L I S E I S S
P L E E D L K A G R V D F F I Q C E L E T A V S E G A E I Q T K A A N V S E V E V
P S A E E L E N G T E A P Y L S I L L V S S E S Q E E L T K A A N V S E V E V
P E L E E D K D I D D S G L E A A S W M L A P R D V E E L R Q T I A S I M D V E S
P S T Q D I
P A E G E V D G F D G R I E I L L A T D H E V E A V A A A I R Q V P D V G D
P A L E E L K A G R I D G Y I Q A E L E T N V G D A G I N A S L K N V A E V D V
P E L K N I E E K E V E E K F H I I F I S E T D K E G I L N S L N R
P A E E N V M A G Q V E E A F A A V M V A P G E I D R V R Q G V L D V T D V S S
P E C P T E E E L G S N K E F I F I V I D K D R V D L L V S E L F N T S E I T N
P E E E D L Q N E A P V A F E I R I L G E T E K A R D S I L E L L Q G Q V E V T N R
P T Q E S I E S A A P V G H L S A R I I P G K S E E E I K K E L L N I P E I D R
P A W S E M E N A Y E E A S I L L D W R Q G S R N D L E R A L L N V A D V R C
P N L E E L E K G T E A I V L T K L L I S E Q K A Q E D L E T R K A A N V D M V E T
P N V L E V P V D S D I C N V A F L V I T Q M S A A A L E H K A R N L M D V S D
P E W R S L K E E E L R K V T W I L A T D G E K D E L H K L T S S M L D V V E S
P P E K E I R E E G T L E G F F E V L L E S N M P F E K I R E L L I R H P D W V K D
P E F E E L Y E D E F Y P E V R Y Y L A T E E S R D A V L R K H T E V A D
P E F E E M D N F F P G V D Y Y Y A T K K T A E E I R K
P D E S E L Y D K T F D G H L T V Y L S G D S Y T V E G L M D R I S E I E Q
P N V L E L S P D D N V D T I K Y L L T T E L D N E V M L Q K I K N L M D I D D
P T E E A L D N G Q G S Y A L S F I L V T K Y S K D E L T Q C N I D M V E T
P P L E E L K A G R I D G Y I Q V D M E T G V G D A G I Q A A L R N
P P R D A L F D A T F D G R L S V R L R T A A S G E A L Q A A R A A G D V A E
P P I D D A H S F D E L F S L T L V T D R K I Q E V I R K I A N V D G V E A
P K R E I I E D D T Y N G V M D I L L S T V E P Q E K I H A L L K G S D I K N
P K R E I I E D D T Y N G V M D I L L S T V E P Q E K I H A L L K G S D I K N
P S A K A L E E E G A S V N H L L F I F F G D E K K E N L F K T C Q V D M V E E
P E T E D E F E K L N A E F A F L F I T S E T
P D F E Q L Y E D N F Y P T V E Y Y V A S N K T P E D L K K H V L I P D V S S
P S T D E I E N G V F D E T F A V F A A A D E S T V F R A A V D D V G G P V E S
P D K D T I E N E E D V A E V D I Y A L S W L P A D E F K A E L A E I S G A E V
P E F E Q L Y E D V F F P Q V Y Y A L S G S T P D E I A S A V R
P G L E E L D E E A M G L E V T Y L A C L K E R V D I E H L L A L V M K D E P
P E Q L N N N P E A A G N G E Y Y C H V E T K A D K Q T I E N I A L S I L S V K S
P S R E G L D A S W N G R L V R A W V A G R V P A A D L K A A V A A I P D V V A
P S L E N A E L E Q F D T T V E V M K I K E L F H S V P E V E S
P D F D A L Y E D E F Y P Q V I Y F I A T A A S G E D L E D A F I S E V T D
P S V E A I N D G D Y D D G F D L F V T G G D E E K A N E V V N G V G K V E A
P D F D A L Y E D V F H E T V V Y F I S S S A N K N A V I K A G F I S D V T S
P D L E E L E K G S V S V V F L L S S E S F E Q I K T A N V D M V E F
P D F E E L Y E D E F H R E V V Y Y I A S S N D A N Q I E D T A
P D F E Q L Y E D E Y F H P V V E Y V A S T H S L D D L Y K I V S I P D V T S
P P R Q A L E D G E Y F D G G F L A T V R G A D F E A L R E A V A A E G S V T N
P P R N T I E N S E A D I D L N I A L S W L E K E E F K T E I E A Q S S I K L
P P V D A I E D G E Y D D G F D L F V D A E S A D V V I E A G L D A V S Q V D T
P P F E E L Y E D T F H P Q V V Y Y I S T A L T G D E I E D A A
P P L Q N L E G D E F Y Q D V I Y L L A T P E E D D D I I N D T
P D S E D L L S D K F F D L I V Y Y L S K T S I E S I S K K V F D L S D V V V S
P D F D A L Y E D I F K G S V V Y F I A S G N N K A S I E E T A F I P D V T T
P I E E E I D S T F K G S L K A F I R G D A E K V E G V M N K I S E I A N
P I E E E I D S T F K G S L K A F I R G D A E K V E G V M N K I S E I A N
P P R D G L E A T W A G N R R A W V E D T G P A E R L Q Q
P A R D R I E E G E Y D G T F D V F V P A E S A D R L A G E L E G I G A V E S
P R M E D L L G G G V S V H V L A V V S T E A D E G E L A E C L G S Y E E V V S
P P L E S L G D E F Y E H V T Y L A T I N E D K T I I D A I G E I S I E D
P D R E A V E D G A F D G S F D C Y V V A E S G E A V A A G L D A V R Q T D S
P E P L K L E S L D F E F E F E I Y F I S H E A Q E E I A Q V L D E I L E I E K
P D F E E L Y E D E F H P Q V V Y Y V A S A V S G D E I A D I A F L D D V V T A
P S L Q N L E G D E F Y Q N V I Y Y I E T A E E D E S I I K N I
P D F D A L Y E D E F H E T V I Y F L S S A S D S K I L E K A A F I G D V E F
P A Q D T I E D G D F E E T F D V F I D I S A T E K G L S E L G K V E F
P P D Q D L S N G D D F R S L T I F L T S K G A V K Q L Y Q A V S H I D Q V D S
P S S D E A G E D S Y
P D F D A L Y Q D M F H E Y V V Y F V S T V Q D S V C V S Q V A S I P D V T S
P Q F E A L Y E D N F Y P Q V V Y Y V A S K A D A S R L E K I L Q I P D V T T
P D F D A L Y E D T F Y E N I Y Y A I A T S E T Q E K I E D T A
P S L D V L Q R E E V V G E I T A L E S R M R I E D V V W K L Q N V P D V I N
P E N L E V E N E I N D G F R I Y L S T Q E E K E S L E C I K E T M F L E S
P A T S D I A D Q G F L V W F R T A E D R D A A I P A V K N
P G D D A L E S P Q F D R Q L L F V L K T S S D A A E I R E N L N I D L I E N
P E S D A L C S E I K N G F L V I C K P S V P L E E L Y Q V I E N A V N V S S

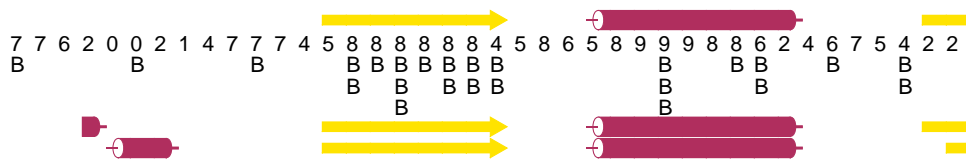
UniRef90_J9HDL4	A V V V E L
UniRef90_W4CZ43	I H T D P I
UniRef90_D2RE79	F D I V E I
UniRef90_U5CSD6	V E V K Q
UniRef90_R9L8I2	A E V A P
UniRef90_Q67P71	
UniRef90_H1Z4C3	
UniRef90_H1Z4C3	
UniRef90_B8JCR8	V A V R
UniRef90_F2KP62	F K V D E
UniRef90_A7HIU3	V V L R E V
UniRef90_W4AI26	V R M E Y I
UniRef90_UPI0003B34658	A T V R Q
UniRef90_M1QFJ8	F N I S E I
UniRef90_UPI00029AF3FB	V E I T K
UniRef90_F8IIG5	C D A E R L
UniRef90_F1ZVB5	I K V Y P
UniRef90_X0Z6A4	V
UniRef90_UPI00041AE3E7	V R I K P
UniRef90_W7YXP2	V N V S P
UniRef90_Q09BG8	V S I L P
UniRef90_I0XPW3	L M I Q E
UniRef90_UPI000368996F	I T I E Q L
UniRef90_W1UAA0	
UniRef90_UPI000422D7DB	A R V A E
UniRef90_L7UPU2	V S V K
UniRef90_D9QPQ0	
UniRef90_C8VWVG9	C E V S K V
UniRef90_U5MQD2	
UniRef90_K6TA66	A N V D Y I
UniRef90_K2CNX0	L V F K N
UniRef90_B0TC94	I E I R
UniRef90_V6HFQ3	L T I E E
UniRef90_A6M113	A N V
UniRef90_L7VKV8	V K V F P
UniRef90_UPI000381E9D6	A E V T P
UniRef90_B7R1J5	V I
UniRef90_E1R3Q4	V V V D
UniRef90_F5YG10	
UniRef90_Q8TLH0	F D I S E I
UniRef90_U5MV10	V K V
UniRef90_B0SCG7	L S V Q E I
UniRef90_H8MJZ9	
UniRef90_W0RJI4	V R V E
UniRef90_UPI00029A998E	I E I Q
UniRef90_Q2FMT1	Y S V R
UniRef90_Q2FMT1	Y S V R
UniRef90_H2CF94	V H L T E L
UniRef90_K2BIX1	
UniRef90_F5YNL1	A I V T D V
UniRef90_C7NUW2	A T V Q D V
UniRef90_E3DPL4	I N F E E I
UniRef90_H9UJN5	
UniRef90_UPI00035F3784	V E
UniRef90_UPI0003F6EA16	I E
UniRef90_E6SJU6	V R V E P
UniRef90_UPI0002DD428A	
UniRef90_F4LIF8	C T
UniRef90_E7QQ31	A T I S D V
UniRef90_UPI000466D45B	V N A E Q I
UniRef90_M6ZK77	L D V Q E
UniRef90_H7ELL4	
UniRef90_F8F2J3	A E I D E L
UniRef90_R4W8A8	V
UniRef90_M5E3D8	I S L D E L
UniRef90_J3EYB8	V T A T D V
UniRef90_S3K2F2	
UniRef90_D8IB20	
UniRef90_I0FDA1	F D I S E V
UniRef90_E7NRQ9	V E V I E V
UniRef90_Q12YX0	F E I
UniRef90_Q12YX0	F E I
UniRef90_K6QE53	
UniRef90_M1XRG1	F D V T E V
UniRef90_C9R9B7	L E V R
UniRef90_D5U842	I I L E E
UniRef90_V4J2C9	V E V R A V
UniRef90_X0Z8K7	
UniRef90_U2KJE1	V D A Q D I
UniRef90_R5LA19	
UniRef90_M2AAE3	
UniRef90_U1QK32	A S V E P V
UniRef90_E1R5V4	I S L T P V
UniRef90_UPI000361591A	
UniRef90_P96123	V S V A E V
UniRef90_V5WI31	M E I R P L
UniRef90_U1F8K5	
UniRef90_I8R604	V E V K Q
UniRef90_T4VRV1	L E I Q E V
UniRef90_V2ZKN3	
UniRef90_I4B2D7	V A I A E
UniRef90_R9L8K6	Y E

UniRef90_T0N9X7

P D L F E V K E E E A I K E V S Y L I A F K M D K T P L E A Q L L D

80

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm



UniRef90_T0N9X7

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

→
5 7 6 1 7 9
B B

