

QUERY	1	10	20	30	40
UniRef90_P0C119	R	R	R	R	R
UniRef90_V4ABF1	R	R	R	R	R
UniRef90_M2R315	R	R	R	R	R
UniRef90_F4PSX7	R	R	R	R	R
UniRef90_G9PCE8	R	R	R	R	R
UniRef90_K1PLV8	R	R	R	R	R
UniRef90_W8BPZ2	R	R	R	R	R
UniRef90_I2JV21	R	R	R	R	R
UniRef90_UPI0002C333AB	R	R	R	R	R
UniRef90_A7RA44	R	R	R	R	R
UniRef90_M0U4B7	R	R	R	R	R
UniRef90_K3YU74	R	R	R	R	R
UniRef90_A8Q943	R	R	R	R	R
UniRef90_G8JWY6	R	R	R	R	R
UniRef90_K0KR60	R	R	R	R	R
UniRef90_Q6IQL7	R	R	R	R	R
UniRef90_L7M551	R	R	R	R	R
UniRef90_H2B293	R	R	R	R	R
UniRef90_S3C3Y6	R	R	R	R	R
UniRef90_E3K7Z7	R	R	R	R	R
UniRef90_A0A024JH17	R	R	R	R	R
UniRef90_B9Q019	R	R	R	R	R
UniRef90_F6QXH6	R	R	R	R	R
UniRef90_J9IN65	R	R	R	R	R
UniRef90_A0A024G381	R	R	R	R	R
UniRef90_V4LSQ7	R	R	R	R	R
UniRef90_U6PRU2	R	R	R	R	R
UniRef90_UPI0001CB9884	R	R	R	R	R
UniRef90_V5W5V2	R	R	R	R	R
UniRef90_W9X8C4	R	R	R	R	R
UniRef90_A0A022S3N1	R	R	R	R	R
UniRef90_B9EL76	R	R	R	R	R
UniRef90_I1IEY0	R	R	R	R	R
UniRef90_W9QW97	R	R	R	R	R
UniRef90_G6D5X5	R	R	R	R	R
UniRef90_H2VEH4	R	R	R	R	R
UniRef90_C1EA22	R	R	R	R	R
UniRef90_A2EC21	R	R	R	R	R
UniRef90_Q4E4L9	R	R	R	R	R
UniRef90_X8J9D8	R	R	R	R	R
UniRef90_UPI0001CB95F6	R	R	R	R	R
UniRef90_A4I042	R	R	R	R	R
UniRef90_UPI000440925E	R	R	R	R	R
UniRef90_S3D1B7	R	R	R	R	R
UniRef90_A5B709	R	R	R	R	R
UniRef90_U1NRW8	R	R	R	R	R
UniRef90_C1BUS9	R	R	R	R	R
UniRef90_B8CEA3	R	R	R	R	R
UniRef90_B8ADU8	R	R	R	R	R
UniRef90_A0A024TS57	R	R	R	R	R
UniRef90_B8CDT8	R	R	R	R	R
UniRef90_W5MWA8	R	R	R	R	R
UniRef90_Q9UA41	R	R	R	R	R
UniRef90_A4S5H2	R	R	R	R	R
UniRef90_K4FUE5	R	R	R	R	R
UniRef90_A0A024TQG5	R	R	R	R	R
UniRef90_C3YR41	R	R	R	R	R
UniRef90_A4H4H8	R	R	R	R	R
UniRef90_H3EUV9	R	R	R	R	R
UniRef90_S9TVV0	R	R	R	R	R
UniRef90_F1A1K2	R	R	R	R	R
UniRef90_B6K2E5	R	R	R	R	R
UniRef90_D8LLJ7	R	R	R	R	R
UniRef90_UPI000198458F	R	R	R	R	R
UniRef90_A4HNE1	R	R	R	R	R
UniRef90_I1G9B8	R	R	R	R	R
UniRef90_P0C118	R	R	R	R	R
UniRef90_A2F1H0	R	R	R	R	R
UniRef90_X6MAM2	R	R	R	R	R
UniRef90_Q4DNC9	R	R	R	R	R
UniRef90_T2MEG6	R	R	R	R	R
UniRef90_UPI00016C4D90	R	R	R	R	R
UniRef90_N1JLR0	R	R	R	R	R
UniRef90_R4G5G7	R	R	R	R	R
UniRef90_Q0D233	R	R	R	R	R
UniRef90_E3LT73	R	R	R	R	R
UniRef90_M5GFD3	R	R	R	R	R
UniRef90_H3EDZ7	R	R	R	R	R
UniRef90_G0UQB9	R	R	R	R	R
UniRef90_B8BW79	R	R	R	R	R
UniRef90_U6IJW5	R	R	R	R	R
UniRef90_M5CEB6	R	R	R	R	R
UniRef90_F1ASZ6	R	R	R	R	R
UniRef90_D7L458	R	R	R	R	R
UniRef90_T2M3C1	R	R	R	R	R
UniRef90_R1GH28	R	R	R	R	R
UniRef90_E6ZM76	R	R	R	R	R
UniRef90_K1QXK7	R	R	R	R	R
UniRef90_C1BJ01	R	R	R	R	R
UniRef90_S2JBX4	R	R	R	R	R
UniRef90_A5DZD6	R	R	R	R	R

QUERY	50	60	70	80
UniRef90_P0C119	G E K G T G K S T	Q K P L L H Y K S C L F H R V V	K D F M V Q G G D F T S E G N G	G K T
UniRef90_V4ABF1	G E K G L V S E K S N K P L L H Y K G S S P I F H R R I V		K D F M I Q Q G G D F F T K R T D D G	G T M
UniRef90_M2R315	G E K G L V S P L S Q R P L L H Y Y K D S S I V H R S I		K D F M I Q Q G G D F F T N F N G T	
UniRef90_F4PSX7	G E K G N T K S G V P L L H Y Y K G S S I F H R R V I		K Q F M I Q Q G G D F F T A G D D G T	
UniRef90_G9PCE8	G E K G L V S G K S G K P L L H Y Y K G S S F H R R V I		K D F M I Q Q S G D F F T A G D D G T	
UniRef90_K1PLV8	G E K G V S Q K S E L P L L H Y K G G A P F H R R V V		K D F M I Q Q A G D F F T A G N G T	
UniRef90_W8BPZ2	G E K G L G L V T G K Q L L H Y K N V I F H R V V		K D F V I Q A G D F F T A G N G T	
UniRef90_I2JV21	G E K G F	G Y K G C T F H R R V I	K S F M I Q Q G G D F F T S A H N G T	
UniRef90_UPI0002C333AB	G E K G I G P N T G V P L L H Y K G N R F H R R V I		K G F M I Q Q G G D F F T N A G D D G T	
UniRef90_A7RA44	G T S G K T S S N G K K L H F K N S I F H R R V I		P Q F M M Q Q G G D F F T K F N G T	
UniRef90_M0U4B7	G E M G F G P M T K K P L L H Y Y K G S S I F H R R V I		K G F M A Q Q G G D F F T R R D D G T	
UniRef90_K3YU74	G E K G V I G K K G K P L L H Y Y K G S T F H R R V I		P D F M C Q Q G G D F F T D G N G T	
UniRef90_A8Q943	G E E G Y G I L G K V L Y Y K G S S K F H R R V I		P N F M C Q Q G G D F F T R F N G T	
UniRef90_G8JWY6	G K S G M C K R P D V P L L G Y K G S S I F H R R V I		K G F M C Q Q F G D F F T N F D D G T	
UniRef90_K0KR60	G E K G T T E S G I E L S Y K N S T F H R R V I		K N F M L Q Q G G D F F T A G N G T	
UniRef90_Q6IQL7	G E K G V G K S T G K P L L H F K G C P F H R R I I		K S F M I Q Q G G D F F T N Q N G T	
UniRef90_L7M551	K H Q T E K S K D G S L V G Y K G S S K F H R R V I		A D F M L Q Q G G D F F T K G D D G T	
UniRef90_H2B293	G D Y A M C K S N P I P L S Y K G S S I F H R R V I		K D F M L Q Q F G D F F T A G N G T	
UniRef90_S3C3Y6	G D K G K T A D G K P L L H F K G S T F H R R V I		K Q F M I Q Q G G D F F T A A N G T	
UniRef90_E3K7Z7	G E K G V S Q S S G K P L L S Y K G S T F H R R V I		K S F M C Q Q G G D F F T A G N G T	
UniRef90_A0A024JH17	G E K G V G A L G K P L L H Y Y K G C A F H R R I I		K D F M L Q Q G G D F F T A G N G T	
UniRef90_B9Q019	G E K G T G R S G K P L L Y Y K G C P F H R R I I		P Q F M C Q Q G G D F F T R M N G T	
UniRef90_F6QXH6	G E K G F	G Y K G S I F H R R I I	P D F M C Q Q G G D F F T R G D D G T	
UniRef90_J9IN65	G E Y G T G K L S K K K L H Y K G S C V H R I V		E D F V I Q A G D I V S M D G S	
UniRef90_A0A024G381	G E K G N A S T G Q P L L H F K G S G F H R R V I		K G F M I Q Q G G D F F T K G D D G T	
UniRef90_V4LSQ7	G E K G V G K L G K P L L H Y Y K G S T F H R R V I		P G F M C Q Q G G D F F T S G N G T	
UniRef90_U6PRU2	G A A G L G K Q S G I P L L H Y Y K G S T F H R R V I		K D F M L Q Q G G D F F T T G K G T	
UniRef90_UPI0001CB9884	H E R G F	G Y K G S S F H R R I I	P Q F M C Q Q G G D F F T N H N G T	
UniRef90_V5W5V2	G E K G V G K A E K P L L H F K G C T F H R R V I		K G C K G G D F F T A G N G T	
UniRef90_W9X8C4	G E K G M G K Q G K P L L H Y Y K G S I F H R R V I		K A F M L Q Q G G D F F T R F N G T	
UniRef90_A0A022S3N1	G E K G V G T S T G K P L L H Y Y K G C T F H R R I I		K G F M A Q Q G G D F F T K G N G T	
UniRef90_B9EL76	G E N G F	G Y K G S V F H R R V I	P Q F M C Q Q G G D F F T N H N G T	
UniRef90_I1IEY0	G E K G V S A A T G A R L H Y Y K G S C F H R R I I		K G F M V Q Q G G D F F T A G D D G T	
UniRef90_W9QW97	G E K G F	G Y K G S T F H R R V I	K D F M I Q Q G G D F F T D K G N G T	
UniRef90_G6D5X5	G E K G F	G Y K G S S F H R R I I	P D F M C Q Q G G D F F T N H N G T	
UniRef90_H2VEH4	G E K G F	G Y K G S T F H R R V I	P K F M C Q Q G G D F F T N H N G T	
UniRef90_C1EA22	G E K G V G N R G K P L L H Y Y K G S I F H R R I I		P Q F M L Q Q G G D F F T D G N G R	
UniRef90_A2EC21	G E K G T G K S G K P L L H Y Y K G C A F H R R I I		P Q F M L Q Q G G D F F T L N G C	
UniRef90_Q4E4L9	G E K	N F G Y A G S G F H R R I I	P Q F M C Q Q G G D F F T N H N G T	
UniRef90_X8J9D8	G E H	R V N S R P Q G Y K G A T F H R R V V	R D F M V Q Q G G D F F L N G D D G T	
UniRef90_UPI0001CB95F6	G E K G	K N T Y K G S T F H R R V I	P Q F M C Q Q G G D F F T R G D D G T	
UniRef90_A4I042	G E K G K G R S G K P L L H Y Y K N S V F H R R V I		P N F M I Q Q G G D F F T R G N G T	
UniRef90_UPI000440925E	G V K K D G S A L P E G M G Y K G S S K F H R R V I		K D F M I Q Q G G D F F T K G D D G T	
UniRef90_S3D1B7	G E A T D S Q G K P R G Y K G S K F H R R I I		P N F M C Q Q G G D F F V N G N G T	
UniRef90_A5B709	G E K G I G M S G K P L L H Y Y K G S A F H R R I I		P N F M C Q Q G G D F F T R G N G T	
UniRef90_U1NRW8	G E K G Y	G F K G S K F H R R V I	K D F M I Q Q G G D F F T R G D D G T	
UniRef90_C1BUS9	Q E K G F	G Y K G S S F H R R V I	P G F M I Q Q G G D F F T N N G T	
UniRef90_B8CEA3	G E K G M G R S G K I L L H F K G S S F H R R V I		P G F M C Q Q G G D F F T R G N G R	
UniRef90_B8ADU8	G E M G I G Q T S K K P L L Y Y K G S I F H R R V I		K G F M A Q Q G G D F F S N G D G S	
UniRef90_A0A024TS7	G E K S H P N Q T L L H Y Y K G S P F H R R I I		P N F M I Q Q G G D F F T N G N G T	
UniRef90_B8CDT8	G E K G F	G Y A G S S F H R R V I	P G F M I Q Q G G D F F T N H N G T	
UniRef90_W5MWA8	G E K G	F G Y R N S K F H R R V I	P D F V C Q A G D I T N Q D D G T	
UniRef90_Q9UA41	G E K G I G K S G K P L L H Y Y K G S S F H R R V I		K N F M V Q Q G G D F F T H G D G	
UniRef90_A4S5H2	G E K G F	G Y E N S I F H R R V I	P N F M L Q Q G G D F F Q R G D G R	
UniRef90_K4FUE5	G E K G F	G Y K D S K F H R R V I	P N F M L Q Q G G D F F T R G D D G T	
UniRef90_A0A024TQG5	G E A G I G K S G K P L L H Y Y K G S K F H R R I I		P N F M A Q Q G G D F F T A G N G T	
UniRef90_C3YR41	G E K G R G T W G E P L L H Y Y K G V I F H R R C		P G F M V Q Q G G D F F Q F N N G S	
UniRef90_A4H4H8	G E H G Y	G Y K G S I F H R R V I	P N F M I Q Q G G D F F T N F D G T	
UniRef90_H3EUV9	G E K G K G K S G K P L L H Y Y K G S P F H R R I I		P N F M I Q Q G G D F F T R E N G T	
UniRef90_S9TVV0	G E K G V G R S G K P L L S Y Y K G S K F H R R V I		P Q F M C Q Q G G D F F T R G N G M	
UniRef90_F1A1K2	G E K G K S E I S G T E L L S Y K G S K F H R R I I		P N F M I Q Q G G D F F T R G D D G T	
UniRef90_B6K2E5	G E Q G F	G Y E N I F H R R V I	K K F M I Q Q G G D F F T N F D G T	
UniRef90_D8LLJ7	G E H R H Q G I P T G Y K G A P F H R R V I		K D F M L Q Q G G D F F V K G D D G T	
UniRef90_UPI000198458F	G E K G R G K S G K P L L H Y Y K G S A F H R R I I		P S F M I Q Q G G D F F T L G D D G R	
UniRef90_A4HNE1	G N D G K R V E G T E P M T Y H G C T F H R R V I		P G F M I Q Q G G D F F T K H N G T	
UniRef90_I1G9B8	G E K G Y	G F K G C P F H R R I I	P K F M C Q Q G G D F F T N R N G T	
UniRef90_P0C118	G E K G K G I S G K P L L H Y Y K N S Y F H R R I I		P G F M A Q Q G G D F F T M G D D G R	
UniRef90_A2F1H0	G E K G V G R S G A K L H Y Y K G C K F H R R I I		P H F L I Q S G D F F T S N D D G T	
UniRef90_X6MAM2	G E K G I S K K S E K P L L C Y K G N K F H R R I I		K N F M I Q A G D I T R S N G N M	
UniRef90_Q4DNC9	G E N G F	G Y K G S I F H R R V I	R N F M I Q Q G G D F F T N F D G T	
UniRef90_T2MEG6	G D K G I G R K G K P L L H F K G S I F H R R I I		K D F M I Q Q G G D F F T D S N G T	
UniRef90_UPI00016C4D90	G A T S K T G T P L L A Y K G S S F H R R V I		P G F M C Q Q G G D F F T R G D D G R	
UniRef90_N1JLR0	G E S K N H V I G R P Q G Y K G S K F H R R I I		K D F M C Q Q G G D F F L N G D D G T	
UniRef90_R4G5G7	H E R G F	G F Y G S T F H R R I I	P D F M C Q Q G G D F F T N H N G T	
UniRef90_Q0D233	G E S K N A Q G K P Q G Y K G S K F H R R V I		K D F M I Q Q G G D F F T Q G D D G T	
UniRef90_E3LT73	G E V G M A P N N K A R L L H Y Y K G S E I F H R I V		K K F M I Q Q G G D I T D G D D G R	
UniRef90_M5GFD3	G L D A D G N P L G F G Y K G S S F H R R V I		K D F M I Q Q G G D F F T R G D D G T	
UniRef90_H3EDZ7	G E K G V G K S G K P L L H Y Y K G S S F H R R V I		P N F M L Q Q G G D F F T R G N G T	
UniRef90_G0UQB9	G A N G F	G F K D S T F H R R V I	R K F M I Q Q G G D M T N H D D G T	
UniRef90_B8BW79	G E N G F	G Y E G S I F H R R V I	K D F M C Q Q G G D F F T N F N G T	
UniRef90_U6JW5	G	H E K D G K T Y G F A N S I F H R R V I	K D F M I Q Q G G D F F T R M D D G T	
UniRef90_M5CEB6	G L D E R G N P H N I G K Y E G S G F H R R I I		K Q F M C Q Q G G D F F T N H N G T	
UniRef90_F1ASZ6	G E M G F	G Y K G S K F R R I I	P Q F M C Q Q G G D F F T A G N G T	
UniRef90_D7L458	G E K G M G K L G K P L L H Y Y K G S I F H R L V		P D Q M L C Q G G D I T A G D G S	
UniRef90_T2M3C1	H E K G F	G F R K S T F H R R I I	P G F M C Q Q G G D F F T K N D D G T	
UniRef90_R1GH28	G E K G F	G Y E G S T F H R R V I	K D F M I Q Q G G D F F T N G D D G T	
UniRef90_E6ZM76	G A P G F	G Y E G S S F H R R V I	P Q F M L Q Q G G D F F T A G N G T	
UniRef90_K1QXK7	G E K G I G K S T G C P L L H F K K C P F H R R I I		K D F M V Q Q G G D F F S N K N G T	
UniRef90_C1BJ01	G E Y G	F G F K G S V F H R R V I	P E F M C Q Q G G D F F T N H N G T	
UniRef90_S2JBX4	G E K G Y	G Y K G S S F H R R V I	K N F M I Q Q G G D F F T N G D D G T	
UniRef90_A5DZD6	S T D P	K Q Q Y T N S V F H R R V I	K N F M I Q Q G G D Y E Y G Q G Y	

QUERY	G	G	G	E	S	I	Y	G	G	F	F	E	D	E	S	F	A	V	K	H	N	K	E	F	L	L	S	M	A	N	R	R	G	K	D	T	N	Q	T	S	S	Q	Q	F	F	F	F								
UniRef90_P0C119	G	G	G	E	S	I	Y	G	G	F	F	E	D	E	S	F	A	V	K <td>H</td> <td>N</td> <td>K</td> <td>E</td> <td>F</td> <td>L</td> <td>L</td> <td>S</td> <td>M</td> <td>A</td> <td>N</td> <td>R</td> <td>R</td> <td>G</td> <td>K</td> <td>D</td> <td>T</td> <td>N</td> <td>Q</td> <td>T</td> <td>S</td> <td>S</td> <td>Q</td> <td>Q</td> <td>F</td> <td>F</td> <td>F</td> <td>F</td>	H	N	K	E	F	L	L	S	M	A	N	R	R	G	K	D	T	N	Q	T	S	S	Q	Q	F	F	F	F								
UniRef90_V4ABF1	G	G	G	E	S	I	Y	G	G	G	T	F	F	D	E	N	F	L	R	K	H	D	K	E	F	L	L	S	M	A	N	R	R	G	K	D	T	N	Q	T	S	S	Q	Q	F	F	F	F							
UniRef90_M2R315	G	G	G	E	S	I	Y	G	G	G	T	F	F	D	E	N	F	L	R	K	H	D	K	E	F	L	L	S	M	A	N	R	R	G	K	D	T	N	Q	T	S	S	Q	Q	F	F	F	F							
UniRef90_F4PSX7	G	G	G	E	S	I	Y	G	G	E	K	F	F	D	E	N	F	K	D	K	H	T	S	A	G	F	L	L	S	M	A	N	A	G	P	G	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_G9PCE8	G	G	G	E	S	I	Y	G	G	A	K	F	F	D	E	N	F	V	T	K	H	H	E	K	P	F	L	L	S	M	A	N	A	G	P	G	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_K1PLV8	G	G	G	E	S	I	Y	G	G	A	K	F	F	D	E	N	F	V	T	K	H	H	E	K	P	F	L	L	S	M	A	N	A	G	P	G	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_W8BPZ2	G	G	G	E	S	I	Y	G	G	G	T	F	F	D	E	N	F	D	F	K	H	H	D	R	P	F	L	L	S	M	A	N	A	G	K	N	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_I2JV21	G	G	G	K	S	I	Y	G	G	E	K	F	F	D	E	N	F	Q	L	K	H	H	D	K	P	F	L	L	S	M	A	N	A	G	K	N	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_UPI0002C333AB	G	G	G	E	S	I	Y	G	G	L	K	F	F	D	E	N	F	E	L	K	H	H	E	R	K	G	M	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_A7RA44	G	G	G	E	S	I	Y	G	G	T	K	F	F	D	E	N	F	K	L	K	H	H	T	Q	R	G	L	L	S	M	A	N	A	G	R	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_M0U4B7	G	G	G	E	S	I	Y	G	G	G	K	F	F	D	E	N	F	V	L	N	H	D	D	G	P	G	L	L	S	M	A	N	A	G	R	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_K3YU74	G	G	G	E	S	I	Y	G	G	A	K	F	F	D	E	N	F	V	R	K	H	H	T	G	P	G	V	L	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F						
UniRef90_A8Q943	G	G	G	E	S	I	Y	G	G	L	T	F	F	D	E	N	F	K	E	K	H	H	T	G	P	G	V	L	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F						
UniRef90_G8JWY6	G	G	G	E	S	I	Y	G	G	E	K	F	F	D	E	N	F	Q	L	K	H	H	E	K	P	F	L	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_K0KR60	G	G	G	V	S	I	Y	G	G	E	K	F	F	D	E	N	F	K	L	V	H	H	E	K	P	F	L	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_Q6IQL7	G	G	G	E	S	I	Y	G	G	D	K	F	F	D	E	N	F	H	Y	K	H	H	D	R	E	G	L	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_L7M551	G	G	G	R	S	I	Y	G	G	E	K	F	F	D	E	N	F	K	L	K	H	H	E	Y	G	A	G	W	V	L	L	S	M	A	N	A	G	K	D	T	N	T	N	G	S	Q	Q	F	F	F	F				
UniRef90_H2B293	G	G	G	E	S	I	Y	G	G	E	K	F	F	D	E	N	F	D	V	K	H	H	E	R	P	Y	L	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_S3C3Y6	G	G	G	A	S	I	Y	G	G	E	K	F	F	D	E	N	F	T	L	K	H	H	D	R	P	F	L	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_E3K7Z7	G	G	G	E	S	I	Y	G	G	D	K	F	F	D	E	N	F	E	L	K	H	H	S	K	P	F	L	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_A0A024JH17	G	G	G	E	S	I	Y	G	G	E	K	F	F	D	E	N	F	P	V	K	H	H	D	Q	P	F	L	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_B9Q019	G	G	G	E	S	I	Y	G	G	E	K	F	F	D	E	N	F	S	Y	K	H	H	S	E	P	F	L	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_F6QXH6	G	G	G	K	S	I	Y	G	G	G	K	F	F	D	E	N	F	Q	H	K	H	H	A	K	P	G	L	L	S	M	A	N	S	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_J9IN65	G	G	G	E	S	I	Y	G	G	K	F	F	D	E	N	F	T	R	R	H	H	A	H	G	G	L	L	S	M	A	N	H	G	R	N	T	N	T	N	G	S	Q	Q	F	F	F	F								
UniRef90_A0A024G381	G	G	G	E	S	I	Y	G	G	E	K	F	F	D	E	N	L	K	L	K	H	H	T	R	P	G	L	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_V4LSQ7	G	G	G	E	S	I	Y	G	G	T	K	F	F	D	E	N	F	I	K	K	H	H	T	G	P	G	L	L	S	M	A	N	S	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_U6PRU2	G	G	G	E	S	I	Y	G	G	L	F	D	D	E	N	F	P	I	L	K	H	H	D	Q	P	F	L	L	S	M	A	N	K	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_UPI0001CB9884	G	G	G	K	S	I	Y	G	G	K	K	F	F	D	E	N	F	V	L	K	H	H	T	E	P	G	I	L	S	M	A	N	S	G	V	N	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_V5W5V2	G	G	G	E	S	I	Y	G	G	E	K	F	F	D	E	N	F	E	V	K	H	H	T	K	R	F	L	L	S	M	A	N	A	G	A	N	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_W9X8C4	G	G	G	E	S	I	Y	G	G	E	K	F	F	D	E	N	F	D	L	K	H	H	D	R	P	F	L	L	S	M	A	N	S	G	P	G	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_A0A022S3N1	G	G	G	E	S	I	Y	G	G	K	F	F	D	E	N	F	K	L	D	H	H	S	E	P	G	L	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F								
UniRef90_B9EL76	G	G	G	K	S	I	Y	G	G	T	K	F	F	D	E	N	F	V	L	K	H	H	E	R	G	A	G	L	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F						
UniRef90_I1IEY0	G	G	G	E	S	I	Y	G	G	L	N	F	F	D	E	N	F	V	L	K	H	H	E	R	K	G	M	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_W9QW97	G	G	G	K	S	I	Y	G	G	R	T	F	F	D	E	N	F	K	L	V	H	H	T	G	P	G	A	L	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F						
UniRef90_G6D5X5	G	G	G	K	S	I	Y	G	G	R	T	F	F	D	E	N	F	K	L	K	H	H	T	G	P	G	L	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_H2VEH4	G	G	G	K	S	I	Y	G	G	E	K	F	F	D	E	N	F	Q	L	K	H	H	T	G	M	G	T	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_C1EA22	G	G	G	E	S	I	Y	G	G	E	K	F	F	D	E	N	F	A	L	K	H	H	S	G	A	G	D	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_A2EC21	G	G	G	E	S	I	Y	G	G	A	K	F	F	D	E	N	F	K	A	K	H	H	T	R	P	G	L	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_Q4E4L9	G	G	G	R	S	I	Y	G	G	E	K	F	F	D	E	N	F	A	G	K	H	H	T	R	P	G	L	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_X8J9D8	G	G	S	F	S	I	Y	G	G	D	K	F	F	D	E	N	F	Q	M	K	H	H	T	G	P	G	L	L	S	M	A	N	S	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_UPI0001CB95F6	G	G	G	V	S	I	Y	G	G	A	K	F	F	D	E	N	F	K	L	Q	A	H	H	T	G	P	G	L	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F						
UniRef90_A4I042	G	G	G	E	S	I	Y	G	G	T	F	F	D	E	N	F	S	G	K	A	G	R	H	T	C	L	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F								
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UniRef90_S3D1B7	G	G	S	T	C	I	Y	S	R	D	F	F	D	E	N	F	T	L	K	H	H	T	D	Q	P	G	L	L	S	M	A	N	A	G	P	D	T	N	T	N	G	S	Q	Q	F	F	F	F							
UniRef90_A5B709	G	G	G	E	S	I	H	G	M	K	F	F	D	E	N	F	T	M	K	H	H	T																																	

QUERY	F	A	E	V	R	I	L	S	C	G	E	L
UniRef90_P0C119	L	H	N	V	M	I	A	N	C	G	E	L
UniRef90_V4ABF1	T	Q	D	I	K	I	S	N	C	G	E	L
UniRef90_M2R315	R	V	P	V	A	I	A	N	C	G	E	L
UniRef90_F4PSX7	L	V	D	V	V	I	A	D	C	G	E	L
UniRef90_G9PCE8	S	K	E	A	L	I	A	D	C	G	E	L
UniRef90_K1PLV8	K	I	D	A	K	I	A	N	C	G	E	L
UniRef90_W8BPZ2	L	Q	D	V	S	I	S	N	C	G	E	L
UniRef90_I2JV21	L	Q	D	C	V	I	A	D	C	G	E	L
UniRef90_UPI0002C333AB	I	V	D	V	V	I	A	D	C	G	E	L
UniRef90_A7RA44	S	E	R	V	V	I	V	D	C	G	E	L
UniRef90_M0U4B7	V	V	P	V	K	I	V	N	C	G	E	L
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UniRef90_A8Q943	S	K	D	V	V	I	A	D	C	G	Q	L
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UniRef90_Q6IQL7	V	K	P	C	V	I	A	E	C	G	E	L
UniRef90_L7M551	T	K	D	V	V	I	V	D	S	G	V	L
UniRef90_H2B293	M	R	D	V	K	I	E	D	C	G	I	L
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UniRef90_UPI0001CB9884	T	Q	K	V	V	I	A	D	C	G	E	L
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UniRef90_U1NRW8	Q	K	D	V	V	I	V	E	C	G	E	L
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UniRef90_B8ADU8	V	V	P	V	R	I	V	D	C	G	E	L
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UniRef90_Q9UA41	K	A	A	C	V	I	E	D	C	G	Q	L
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UniRef90_A0A024TQG5	R	V	P	V	V	I	E	D	C	G	E	L
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UniRef90_F1A1K2	S	K	T	V	V	I	S	N	S	G	E	L
UniRef90_B6K2E5	I	K	D	V	K	I	V	K	S	G	V	L
UniRef90_D8LLJ7	R	L	T	V	V	I	Q	E	C	G	E	L
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UniRef90_H3EDZ7	S	A	T	I	V	I	A	D	S	G	Q	L
UniRef90_G0UQB9	V	S	T	V	R	I	S	A	C	G	V	L
UniRef90_B8BW79	A	G	R	V	E	I	A	S	S	G	A	L
UniRef90_U6IJJW5	I	E	E	V	K	I	A	A	S	G	A	L
UniRef90_M5CEB6	S	Q	P	V	I	I	A	K	S	G	V	V
UniRef90_F1ASZ6	S	K	T	V	V	I	A	D	C	G	Q	L
UniRef90_D7L458	S	K	P	V	I	I	A	D	C	G	Q	I
UniRef90_T2M3C1	K	K	K	V	V	I	E	D	C	G	E	L
UniRef90_R1GH28	V	Q	E	V	K	I	V	K	S	G	E	L
UniRef90_E6ZM76	K	S	K	L	T	I	A	K	S	G	E	L
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90 100 110 120
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C G K S I Y Y R E K F F E D E N F L L K H H A C A G G V L L S M A N V I G L N T N N G S S Q Q F F F
G G A S I Y Y S Q T F V D E N F S R R H H A C A G G L L S M A N R R G R D T N T N G S S Q Q F F F
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G G K S I Y Y G N K F F E D E N F A L K H T T G E F T L L S M A N A G K D T N T N G S S Q Q F F F
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G G E S I Y Y G E K F A D E N W E V A H H D R P F L L S M A N A G R N T N T N G S S Q Q F F F
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G G E S I Y G H P F E D E N F N R D V D A E G Y V P C W S P L L H H C S T M S

			130		140		150		160																																					
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UniRef90_B7PQK0	I	T	C	A	R	C	F	F	L	D	D	G	K	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V		
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UniRef90_G7MNP9	I	C	T	A	Q	T	F	W	L	D	D	G	K	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V		
UniRef90_A0BD35	I	T	L	K	P	C	E	H	L	D	D	G	K	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V		
UniRef90_I3S543	F	T	T	V	K	A	S	W	L	D	D	G	D	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V		
UniRef90_A8IK54	I	C	T	V	K	T	P	H	L	D	D	N	K	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V		
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UniRef90_UPI000440A22C	I	T	L	K	K	A	E	H	L	D	D	F	K	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V		
UniRef90_A9SIJ8	I	C	T	A	E	T	S	W	L	D	D	G	R	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V		
UniRef90_UPI00029DA802	N	C	T	A	K	T	A	W	L	D	D	G	R	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V		
UniRef90_O74729	I	T	T	V	P	C	D	F	L	D	D	G	K	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V		
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UniRef90_E6ZWC4	I	T	T	V	P	T	H	L	D	D	G	K	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V			
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UniRef90_L9L7K9	C	T	G	K	K	T	E	W	L	D	D	G	K	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V		
UniRef90_P52010	L	C	T	V	K	T	T	W	L	D	D	G	K	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V		
UniRef90_S4RGP7	I	C	T	E	L	T	N	W	L	D	D	G	K	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V		
UniRef90_UPI000258E36E	I	T	L	S	A	S	T	H	L	D	D	G	T	N	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V		
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UniRef90_F0Y1F1	I	V	T	C	G	K	C	D	W	L	D	D	G	K	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V	
UniRef90_C1DYF2	I	T	T	K	A	T	P	H	L	D	D	G	K	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V		
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UniRef90_F4WQW8	I	T	T	V	K	T	P	W	L	D	D	N	K	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V		
UniRef90_V3ZXP1	I	T	L	Q	P	A	P	W	M	N	T	N	Y	V	A	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V			
UniRef90_B4J2N2	I	C	F	G	K	T	T	W	L	D	D	N	K	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V		
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UniRef90_K3WTJ4	V	C	T	G	E	T	P	W	L	D	D	G	K	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V		
UniRef90_C3YPY7	I	T	T	V	K	T	S	W	L	D	D	G	K	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V		
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UniRef90_I1G5J3	I	T	F	V	Q	T	P	W	L	D	D	G	T	H	T	C	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V		
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UniRef90_C3VX48	I	T	T	V	V	T	N	S	W	L	D	D	G	A	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V	
UniRef90_M8C588	I	T	F	K	P	N	S	H	L	D	D	R	A	K	N	T	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V	
UniRef90_I4YE22	I	T	T	K	P	T	P	W	L	D	D	N	K	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V		
UniRef90_A5E649	I	T	T	V	P	C	P	W	L	D	D	G	K	H	V	V	F	G	K	V	V	L	S	G	M	K	L	V	Y	K	L	E	A	E	L	Q	E	T	R	A	S	F	D	V		
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UniRef90_B7PQK0	K P V I I S Q C G E M
UniRef90_L8H2P2	S A T L T I A D S G E L
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UniRef90_A0BD35	R P V I I I N C G E V
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UniRef90_C3YN62	Y A D V R I A N C G E L
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UniRef90_F4WQW8	Y Q K I M I A D C G Q
UniRef90_V3ZXP1	V K D V K I T D C G V
UniRef90_B4J2N2	S K R V I I E D C G
UniRef90_M7NJ81	E V D I V I I K S G E L
UniRef90_K3WTJ4	S A K V K I L D S G V L
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UniRef90_S8AHD9	T S D L V I T Q C G E M
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UniRef90_R1F065	R R P V R I S A C G E L
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UniRef90_Q6IQF8	V E T V L I K K S S V
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UniRef90_M5X1F5	K S R V V I T D S G E L
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UniRef90_I0YMU0	SG Y Y N E T I F H R N I R G F M I Q G G D	P T G T G K G K S I Y S T P N G K		
UniRef90_UPI0001D5E347	GE K G	F G Y K G S C F H R T I	P G F M C Q G G D	F T R H N G T
UniRef90_D2HUL8		K Q Y Y D G T I F H R S I	R N F V V S D E T	V L L P L A G
UniRef90_R7YQ47	K G	Y Y R N L P F H R N I	R N F M L Q G G D	P S G T G R G
UniRef90_A7ELT7	GE K G	F G Y E G S A F H R I I	P Q F M L Q G G D	F T R G N G T
UniRef90_A0A058ZDR5	GE K G	A P L H Y A G V P L H R I I	P H F M I Q G G D	V T S R N T D G R
UniRef90_D2VL58	G	P V G Y K G S K V F R V I	K K M M I Q A G D	Y E F N T G E
UniRef90_M0AKV6	G G K T W A D P E T D E P L Y D D V A F H R V I	E D F M I Q G G D	P T E T G R G	
UniRef90_T1K017	GE M G L G K T T D K P L H Y K D V V F H R V V	K N F M I Q G G D	F S N G N G R	
UniRef90_R7UGC3	SD	Y Y N Q T L F H R N I	K G F M V Q T G D	P T G T G K G
UniRef90_W0K165	WE D P E S G E V R G D A L Y N D V K F H R V I	E G F M I Q G G D	P T E S G R G	
UniRef90_D7GEW4	G T R E F L D M T D N E P Y Y D G T I F H R I I	D G F M I Q G G D	R T G T G R G	
UniRef90_W8BZE3	NG	Y Y N G H I F H R V I	K G F M I Q T G D	P T G T G T G
UniRef90_D0BJC7	NG	Y Y D G V I F H R V I	E D F M I Q G G D	P T G T G M
UniRef90_Q8I5Q4	G	Y Q I K D K Y I G Y R N T S I H K I Y P G I G L V I G N V I L N D K		
UniRef90_S2XEC9	NG	Y Y D G I I F H R I I	S D F M I Q G G D	P T G T G M
UniRef90_W4G6U3	GD	N Q P G W S Y K N S T C H R I L	K G F I V Q C G S Y D	T R G G G
UniRef90_M2WKF7	NG	Y Y N G V I F H R I I	R K F M I Q T G D	P L G D G T G
UniRef90_G3PN30	KG	Y Y D G T V F H R S I	K N F M I Q G G D	P T G T G T G
UniRef90_B6K244	KG	Y Y D G T K F H R N I	P G F M I Q G G D	P T A T G R G
UniRef90_E1FGW6		Y Y D G T G S K F H R I I	K D F M V Q G G D	F T N G D G T
UniRef90_Q00UV8	SG	K K A E E G E Y Y D G C V F H R C K	R Q F M I Q T G D	P T G T G R G
UniRef90_U1GFT0	KG	Y Y N G V I C H R N I	R N F M L Q T G D	P T G T G R G
UniRef90_Q7M8J1	NG	Y Y D G L I F H R V I	K R F M L Q G G D	P T G T G T G
UniRef90_B0D5U3	SN	Y Y D G G C I F H R N I	R G F M I Q T G D	P A G S G K G
UniRef90_K0DEK4		K N G Y Y D N G I F H R V I	I R D F M I Q G G D	P N G N G M
UniRef90_H8M215	GE K T W F Q P Q H G R P L Y D G T I F F R C I	K D F M I Q G G D	P T S R G N N	
UniRef90_U4TE14	GR Q E S V I K D G P	F Y N G L I F H R I I	S G F M I Q G G	C P E G S
UniRef90_L1LCC2	SD	Y Y N E T K F H R N I	E G F L V Q G G D	P S G T G K G
UniRef90_L5LVP3	GE K G	F G F K N S I F H R V I	P D F V C Q G G D	I T K H D G T
UniRef90_M2UBY7	NG	Y Y N N V I F H R V I	R K F M I Q T G D	P L G T D G T
UniRef90_M5G3I0	SGA	Y T G T I F H R N I	K G F M I Q G G D	P T G T G K G
UniRef90_UPI000381E1B7	G T R E W L D P K T T R R F Y D G L T F H R V I	D G F M I Q G G	C P L G S	
UniRef90_S8D2F4	RG	F Y N G V G F H R N I	R N F M I Q G G D	P T G T G R G
UniRef90_UPI00036BC1D1	G T N T L V I K D P Y K K K A Y F G T I F H R I I	E N S I I Q G G D	P T G K	
UniRef90_A0A022R5M6	KG	Y Y N N V K F H R I I	K D F L V Q G G D	P T G T G R G
UniRef90_UPI00047B8516	KG	Y Y D G L I F H R V I	K N F M I Q G G D	P N G N G T
UniRef90_R6I968	KG	F Y N G V T F H R V I	D N F M I Q G G D	P T G T G T G
UniRef90_D5GIS8	Y P E G S	G Y K G S K F H R V I	S R F M A Q G G D	F T R G N G T
UniRef90_V4ZS82	GER P W D D P Q T GER R Y D D V A F H R V I	A E F M L Q G G D	P T E T G R G	
UniRef90_E0VEH9	GET G	V S Y K N C T I F Q C W D	G E S I I T G D	Y E T N N G R
UniRef90_U1PJZ7	GE Q E W E D P K R T D P L Y D D I E F H R I I	S G F M L Q T G D	P T G T G R G	
UniRef90_UPI00041A1B79	GE L E W T D K K E N T P F Y D G V V F H R I I	T D F M L Q G G D	P T G T S G G	
UniRef90_W7IC40	G T K D Y S T E N K S G P F Y D G A V F H R V I	D G F M L Q G G D	P T G T G R G	
UniRef90_I0W7M7	G T N T L V A D S K G K P Y Y D G V I F H R V I	Q D F M I Q G G D	P T G T	
UniRef90_UPI00037279A3	G T R E Y R D R T N P A K F Y D G L G F H R V I	D G F M I Q G G C P L G T G T G		
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UniRef90_W6KHW2	GS A G T D P A T G I K K D Y L H C P L S	F I E R E H K L L V F G D E R N V		
UniRef90_UPI0003AFDB42		R V I K K F M I Q G G D	F E R S N H N G T	
UniRef90_UPI00040B03E9	G T K E Y A D P E T T G K F Y D G L T F H R I I	P G F M I Q G G C P L G T G T G		
UniRef90_A0A022L219	G T R E F S D P K V I T R P F Y D G V I F H R V I	P G F M I Q G G D	P L G T G T G	
UniRef90_W5WV83	G T K E W T D P K T K K P F Y D G L V F H R V I	K D F M I Q G G	C P L G	
UniRef90_M4C213	RG	Y Y N N T I F H R V I	R D F M I Q G G D	P T G T G R G
UniRef90_I3Z113	GS K S W E S R S K K G D K Y D G T V F H R V I	P E F M I Q G G D	P E G T G	
UniRef90_G2SQQ3	EG K	Y D N V I F H R V I	N G F M I Q G G D	P T G T G M
UniRef90_R7K4D7	KG	F Y D G L I F H R V I	K G F M I Q G G D	P D G V T G G
UniRef90_R6HBY2	KG	F Y D G L I F H R V I	P G F M I Q G G C P D D G T M G G	
UniRef90_K2EKS0		E D F Y A N T K F H R V I	K G F M I Q G G D	P S S K K D Q
UniRef90_R6YWM3	KG	F Y D G L K F H R V I	K N F M I Q G G D	P G N G T G G
UniRef90_U3LNU9	G E N T F G D Q F L P Q L T Y R D S V F H R I S K G Y L V	Q G G D V V S S N G T		
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UniRef90_O65191		F I E R E H K L L V F G D E R N V		
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UniRef90_B3S110		M E G Y Y D S T V F H R V V	K N F I I Q G G D	P T G T G G G
UniRef90_L9LD35	K G Y Y D G T V F H R S I R N F V L R G I L R R H R V P Q V H Q E L R G G E S F			
UniRef90_L0P865		M E G Y Y N N T I F H R L V	P G F I I Q G G D	P T G T G M G
UniRef90_E4U0Q1	NG	Y Y N G L T F H R I I	K N F M V Q G G D	P T G T G A G
UniRef90_Q2Y4Q5	RG	F Y N D L T F H R V I	D D F M I Q G G D	P K G D T
UniRef90_A9T1U9	NG	Y Y D G V L F H R I I	K D F I Q S G D	P K G D T
UniRef90_E6K153	GS K E W T D P K R T D P L Y N G T T F H R V I	K N F M I Q G G D	P L G	
UniRef90_W7D447	NG	Y Y D G I I F H R V I	P D F M I Q G G D	P Q G A G F
UniRef90_UPI0002BCBE51	GE M G K T A D G I S L H Y K G K P F H R I I	P G F M I Q G G D	V S A D G R	
UniRef90_C6VRE2	KG	Y Y D G I I F H R V I	P G F M I Q G G D	P T G T G M
UniRef90_Q7PYL0	GE L G	F G Y K G C S I F Q C W E N E S I	I T G D F E L N N G R	
UniRef90_UPI00035C3CA0	GER E W V N P E T G V R S Y D G T V F H R V I	S G F M I Q G G D	P L G N	
UniRef90_UPI000348FC7E	GE I A E N P E T G E R A F Y D G T V F H R V I	P G F M V Q G G D	P T G T G G G	
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UniRef90_UPI00046B78D1 H P C V S V F H H L L V I Q P P F T L L H H R G L L L S M A N A G P N T N G S S Q F F F
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UniRef90_F4P1R3 G T S I W G G K F A D E L K S T L R H N T R G I V S M A S K G A D A N G S S Q F F F
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UniRef90_M4C213 G E S I Y G A K F D D E I S K E L K H T G A G V L L S M A N S G P N T N G S S Q F F F
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UniRef90_G2SQQ3 G G E S I Y G K S F E D E F S N E L F N I R G A L S M A N A G P N T N G S S Q F F F
UniRef90_R7K4D7 P G Y S I K G E F A Q N G F A N D L K H S A G V L S M A R M M P D S A G S Q F F F
UniRef90_R6HBY2 P G Y C I K G E F L F N G V D N P L K H K R G V L S M A R Q S P N S A G S Q F F F
UniRef90_K2EKS0 W G T G G P G Y S F K D E V L K D T E K Y P Q G T L A M A N S G P D S T N G S S Q F F F
UniRef90_R6YWM3 P G Y S I Y G E F A A N F N N P I K H T R G V I S M A R A M D P N S A G S Q F F F
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UniRef90_W2TE68 G N S I W G G P F F E D E L S V L R H E R G R G I V S M A N N G P N T N K S Q F F F
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UniRef90_C3X7B8	S G	H Y D N T I F H R V I N G F M I Q G G G F E P G M T Q			
UniRef90_R9WET7		K N Y Y D N V I F H R I I P D F M I Q G G D P T G T G R			
UniRef90_E9IKY2		V I F H R V I S H F K I Q G G D V N F N G T			
UniRef90_D4J682	K G	F Y D G L I F H R V I S G F M I Q G G D Q G T G M G G			
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UniRef90_G9ZTH9 G G K S S F G S N F E D E F S P E L F N I N G A L S M A N A G P N T N G S Q F F
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F T F G P T P W L D Q G K H T I F F G K V G D T I Y N M M K L E E G D V D E D D R P
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I T Y A P Q P N L D N N H T V F F G K V I S G L E T L E D L E R V P V D E K Q R P
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L T F K P T P H L D D G K H T V F F G K L V G G E D V L D A M E S V P V P G T D K P
I M H E D S P H L D D G A Y A A F F G K V T E G L D V V D K I Q A M R T D W N D R P
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I T C A P T P L D D G K H T I F F G R V Y S G M K T V Q R L E A V R T S F E N V P
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I V Q A P T P W L D K A H T V F F G Q V Y E G M D I V D D K I A A V E V D A K S K P
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I T T M P T P W L D D G K H T I F F G K V L D G H G V H K V E Q T K T D T D D Y P
C V A E A P S L D D G Q Y T V F F G E V A E G M A V V D A I V S E E R D S R D N P
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T S M G N I T I E L F A E Q A P E T V K N F I L R Y V D
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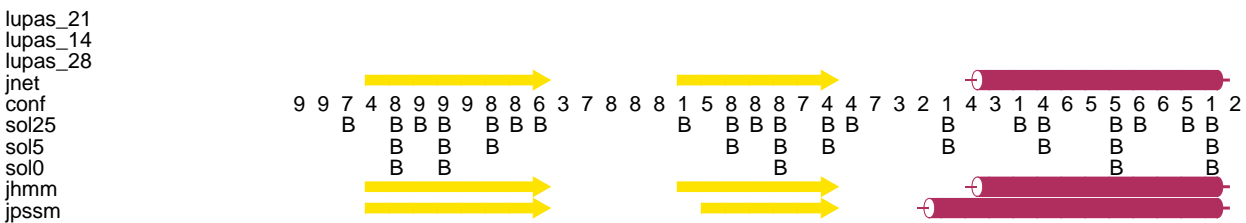
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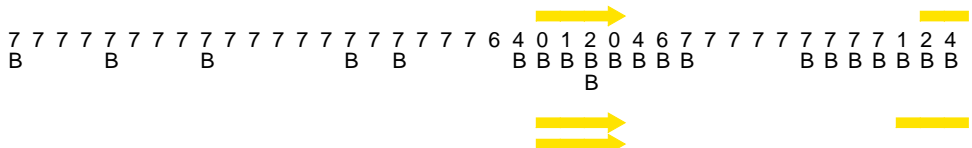
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