

QUERY	1	10	20	30	40
UniRef90_K7J236	P	E	I	E	I
UniRef90_H2LJN4	P	E	I	E	I
UniRef90_E9HUQ2	P	E	I	E	I
UniRef90_B4PLN5	P	E	I	E	I
UniRef90_T1PF84	P	E	I	E	I
UniRef90_UPI0003F1301B	P	E	I	E	I
UniRef90_G6CJ88	P	E	I	E	I
UniRef90_R4WDM9	P	E	I	E	I
UniRef90_U1M4H8	P	E	I	E	I
UniRef90_I3J3H5	P	E	I	E	I
UniRef90_M7B739	P	E	I	E	I
UniRef90_Q86DX3	P	E	I	E	I
UniRef90_UPI00021A68CE	P	E	I	E	I
UniRef90_A0A016RX72	P	E	I	E	I
UniRef90_U5ESC2	P	E	I	E	I
UniRef90_T1KJJ1	P	E	I	E	I
UniRef90_B4JRC3	P	E	I	E	I
UniRef90_R6R7P3	P	E	I	E	I
UniRef90_UPI000265717B	P	E	I	E	I
UniRef90_U6IAT3	P	E	I	E	I
UniRef90_UPI0003770A5C	P	E	I	E	I
UniRef90_A0A024AHE1	P	E	I	E	I
UniRef90_D7B2B3	P	E	I	E	I
UniRef90_UPI00021A5E44	P	E	I	E	I
UniRef90_W5KVZ9	P	E	I	E	I
UniRef90_K7RES7	P	E	I	E	I
UniRef90_F5SLF2	P	E	I	E	I
UniRef90_R7QVB5	P	E	I	E	I
UniRef90_L7VM49	P	E	I	E	I
UniRef90_K4IR44	P	E	I	E	I
UniRef90_H3ATJ8	P	E	I	E	I
UniRef90_X1X356	P	E	I	E	I
UniRef90_D4LVN3	P	E	I	E	I
UniRef90_F5LRT1	P	E	I	E	I
UniRef90_V8C4A9	P	E	I	E	I
UniRef90_R5K1Z4	P	E	I	E	I
UniRef90_UPI0003B5ECA1	P	E	I	E	I
UniRef90_T1G3A5	P	E	I	E	I
UniRef90_U2UBC5	P	E	I	E	I
UniRef90_U7JVC2	P	E	I	E	I
UniRef90_F5HA67	P	E	I	E	I
UniRef90_L0K7R5	P	E	I	E	I
UniRef90_F3B9K4	P	E	I	E	I
UniRef90_U6HY49	P	E	I	E	I
UniRef90_W2E9M6	P	E	I	E	I
UniRef90_W6K3Y5	P	E	I	E	I
UniRef90_H3AAG4	P	E	I	E	I
UniRef90_R6GMM4	P	E	I	E	I
UniRef90_S2JVG6	P	E	I	E	I
UniRef90_F6B7J0	P	E	I	E	I
UniRef90_A0A044VGN7	P	E	I	E	I
UniRef90_M4BFZ5	P	E	I	E	I
UniRef90_R5UAN2	P	E	I	E	I
UniRef90_J9HDC9	P	E	I	E	I
UniRef90_UPI0004413160	P	E	I	E	I
UniRef90_A0A017RW40	P	E	I	E	I
UniRef90_R6P6V0	P	E	I	E	I
UniRef90_UPI0003B301C2	P	E	I	E	I
UniRef90_B9MRR2	P	E	I	E	I
UniRef90_X0U924	P	E	I	E	I
UniRef90_Q23539	P	E	I	E	I
UniRef90_F0Z4J9	P	E	I	E	I
UniRef90_D7GES6	P	E	I	E	I
UniRef90_W3ANK4	P	E	I	E	I
UniRef90_F0YWJ7	P	E	I	E	I
UniRef90_R6PVQ1	P	E	I	E	I
UniRef90_Q67R70	P	E	I	E	I
UniRef90_UPI000464E32D	P	E	I	E	I
UniRef90_N1V7A8	P	E	I	E	I
UniRef90_A8N162	P	E	I	E	I
UniRef90_R5HN92	P	E	I	E	I
UniRef90_D2B8B8	P	E	I	E	I
UniRef90_D4YQF5	P	E	I	E	I
UniRef90_R5XJB4	P	E	I	E	I
UniRef90_A4EU16	P	E	I	E	I
UniRef90_R6HUX7	P	E	I	E	I
UniRef90_R6XMU9	P	E	I	E	I
UniRef90_M2WUI5	P	E	I	E	I
UniRef90_R5KP32	P	E	I	E	I
UniRef90_L1JWE0	P	E	I	E	I
UniRef90_T3G1D8	P	E	I	E	I
UniRef90_X4RAD2	P	E	I	E	I
UniRef90_S2DPC4	P	E	I	E	I
UniRef90_UPI000289185B	P	E	I	E	I
UniRef90_F0W1S6	P	E	I	E	I
UniRef90_M7WUI5	P	E	I	E	I
UniRef90_M4SHN7	P	E	I	E	I
UniRef90_C7R420	P	E	I	E	I
UniRef90_R8W0R7	P	E	I	E	I
UniRef90_A5G4W2	P	E	I	E	I
UniRef90_UPI00036774E9	P	E	I	E	I

QUERY	V	E	N	G	G	F	L	G	S	K	K	G	V	N	L	P	G	A	A	V	D	L	L
UniRef90_K7J236	V	E	N	G	G	T	L	G	S	R	K	K	G	V	N	L	P	G	A	V	D	L	L
UniRef90_H2LJN4	I	E	N	G	G	L	L	G	S	R	K	K	G	V	N	L	P	G	A	A	V	D	L
UniRef90_E9HUQ2	I	E	N	G	G	K	L	G	S	R	K	K	G	V	N	L	P	G	T	N	V	D	L
UniRef90_B4PLN5	V	E	N	G	G	K	L	G	S	H	K	G	V	N	L	P	G	V	P	V	D	L	L
UniRef90_T1PF84	I	E	N	G	G	V	L	G	S	R	R	K	G	V	N	L	P	G	V	P	V	D	L
UniRef90_UPI0003F1301B	V	E	N	G	G	L	L	G	S	R	R	K	G	V	N	L	P	G	V	K	V	D	L
UniRef90_G6CJ88	I	E	N	G	G	M	L	G	S	R	K	K	G	V	N	L	P	G	L	P	V	D	L
UniRef90_R4WDM9	I	E	N	G	G	M	L	G	S	R	K	K	G	V	N	L	P	G	L	K	V	D	L
UniRef90_U1M4H8	V	E	N	G	G	M	L	G	S	R	R	K	G	V	N	L	P	G	S	S	V	D	L
UniRef90_I3J3H5	I	E	N	G	G	T	L	G	S	K	K	G	V	N	L	P	G	A	A	V	D	L	L
UniRef90_M7B739	V	E	N	G	G	M	L	C	S	R	R	K	G	V	N	L	P	G	A	E	V	D	L
UniRef90_Q86DX3	V	E	N	G	G	K	L	G	S	R	R	K	G	V	N	L	P	G	A	H	V	D	L
UniRef90_UPI00021A68CE	I	T	K	G	G	I	V	R	D	N	K	L	V	Q	L	L	D	S	V	V	S	L	L
UniRef90_A0A016RX72	I	E	N	G	G	M	L	G	S	R	R	K	G	V	N	L	P	G	A	L	V	D	L
UniRef90_U5ESC2	I	E	N	G	G	L	L	G	S	R	R	K	G	V	N	L	P	G	V	P	V	D	L
UniRef90_T1KJJ1	V	E	N	G	G	M	L	G	S	K	K	G	V	N	L	P	G	A	L	V	D	L	L
UniRef90_B4JRC3	V	V	N	G	G	K	L	G	S	R	R	K	G	V	N	L	P	G	T	P	V	D	L
UniRef90_R6R7P3	V	V	N	G	G	E	L	G	E	R	R	K	G	V	N	V	P	G	V	K	I	K	L
UniRef90_UPI000265717B	I	E	N	G	G	L	L	G	S	K	K	G	V	N	L	P	N	A	D	V	D	L	L
UniRef90_U6IAT3	I	E	N	G	G	K	L	G	S	R	R	K	G	V	N	L	P	G	A	P	V	D	L
UniRef90_UPI0003770A5C	V	V	N	G	G	K	L	G	S	R	R	K	G	V	N	L	P	G	V	A	V	D	L
UniRef90_A0A024AHE1	I	E	N	G	G	M	L	G	S	R	R	K	G	V	N	L	P	G	V	P	V	D	L
UniRef90_D7B2B3	V	I	V	A	G	T	V	S	N	H	K	G	V	N	L	P	G	V	A	V	D	L	L
UniRef90_UPI00021A5E44	V	Q	N	G	G	N	L	G	S	R	R	K	G	V	N	L	P	G	I	V	V	D	L
UniRef90_W5KVZ9	V	E	N	G	G	T	L	C	S	R	R	K	G	V	N	L	P	G	A	E	L	L	L
UniRef90_K7RES7	V	E	V	G	G	V	L	S	D	H	K	G	V	N	L	P	G	S	D	L	L	S	L
UniRef90_F5SLF2	I	E	N	G	G	P	L	K	D	R	K	G	V	N	L	P	G	V	S	L	L	S	L
UniRef90_R7QVB5	V	M	N	G	G	P	V	S	N	H	K	G	V	N	V	P	G	T	D	L	L	S	M
UniRef90_L7VM49	V	L	N	G	G	V	L	G	N	N	K	G	V	N	L	P	G	V	D	I	N	N	L
UniRef90_K4IR44	V	V	V	P	G	P	V	S	S	H	K	G	V	N	L	P	G	V	A	V	S	L	L
UniRef90_H3ATJ8	V	Q	N	G	G	L	L	S	S	R	R	K	G	V	N	L	P	C	A	E	V	D	L
UniRef90_X1X356	V	E	N	E	G	M	L	G	S	R	R	K	G	V	N	L	P	G	V	A	V	D	L
UniRef90_D4LVN3	V	I	N	G	G	V	L	G	N	K	K	G	V	N	L	P	G	V	E	V	N	M	L
UniRef90_F5LRT1	I	V	N	S	G	P	I	K	S	K	K	G	V	N	V	P	G	V	S	I	S	L	L
UniRef90_V8C4A9	I	I	N	G	G	E	L	G	E	R	R	K	G	V	N	V	P	N	V	P	I	R	L
UniRef90_R5K1Z4	V	V	N	G	G	P	V	S	N	R	K	G	V	N	V	P	R	V	N	L	S	S	M
UniRef90_UPI0003B5ECA1	I	L	N	G	G	T	L	K	S	R	R	K	G	V	N	V	P	G	V	K	I	N	L
UniRef90_T1G3A5	V	E	N	G	G	R	V	G	S	R	R	K	G	V	N	L	P	G	T	P	V	D	L
UniRef90_U2UBC5	V	N	N	G	G	E	L	G	E	R	R	K	G	V	N	L	P	N	V	E	V	G	L
UniRef90_U7JVC2	C	T	V	A	G	P	V	G	D	H	K	G	V	N	L	P	G	V	A	V	S	I	L
UniRef90_F5HA67	S	L	N	S	G	V	L	S	S	R	R	K	G	V	N	L	P	K	T	A	V	D	L
UniRef90_L0K7R5	V	V	N	G	G	E	L	G	S	T	K	G	V	N	L	P	G	V	S	V	V	R	L
UniRef90_F3B9K4	V	L	N	G	G	E	L	G	S	K	K	G	V	N	V	P	N	V	P	V	R	L	L
UniRef90_U6HY49	I	E	N	G	G	R	L	G	S	R	R	K	G	V	N	L	P	G	A	P	V	D	L
UniRef90_W2E9M6	I	V	N	G	G	A	I	K	S	K	K	G	V	N	V	P	G	V	K	I	A	S	V
UniRef90_W6K3Y5	V	Q	G	G	T	V	S	N	N	K	G	V	N	L	P	G	V	A	V	S	V	L	L
UniRef90_H3AAG4	V	E	N	G	G	S	L	G	S	R	R	K	G	V	N	L	P	G	A	A	V	D	L
UniRef90_R6GMM4	V	E	N	D	G	V	M	K	D	K	K	G	V	N	V	P	G	V	S	L	S	M	L
UniRef90_S2JVG6	A	L	N	S	G	K	L	C	S	R	R	K	G	V	N	L	P	G	T	A	V	D	L
UniRef90_F6B7J0	V	I	N	G	G	K	L	S	N	Q	K	G	V	N	L	P	G	V	N	V	N	L	L
UniRef90_A0A044VGN7	I	E	N	G	G	L	L	G	S	Q	K	G	V	N	L	P	D	A	L	V	N	N	L
UniRef90_M4BFZ5	V	E	N	S	D	E	L	G	N	Q	K	G	V	N	L	P	G	L	K	I	D	L	L
UniRef90_R5UAN2	I	V	N	G	G	E	L	G	E	R	R	K	G	V	N	V	P	N	V	P	V	R	L
UniRef90_J9HDC9	V	T	N	G	G	T	L	K	D	N	K	G	V	N	V	P	G	V	T	L	R	I	L
UniRef90_UPI0004413160	A	V	N	N	G	T	L	S	S	R	R	K	G	V	N	L	P	K	T	P	V	D	L
UniRef90_A0A017RW40	V	Q	N	G	G	P	V	S	N	H	K	G	V	N	L	P	N	V	K	I	N	L	L
UniRef90_R6P6V0	V	I	N	G	G	T	I	S	S	H	K	G	V	N	V	P	G	V	T	L	S	M	L
UniRef90_UPI0003B301C2	V	V	I	G	G	E	V	S	N	N	K	G	V	N	L	P	G	V	A	V	S	T	L
UniRef90_B9MRR2	V	K	N	G	G	V	L	T	N	Q	K	G	V	N	V	P	G	I	P	L	R	S	V
UniRef90_X0U924	V	V	N	G	G	V	L	K	P	R	K	G	V	N	L	P	G	I	P	L	S	V	L
UniRef90_Q23539	I	E	N	G	G	A	L	G	T	R	K	G	V	N	L	P	G	T	I	V	D	L	L
UniRef90_F0Z4J9	V	I	N	G	G	E	L	G	E	R	R	K	G	V	N	L	P	N	V	P	V	R	L
UniRef90_D7GES6	V	T	V	A	G	P	V	S	N	H	K	G	V	N	L	P	G	V	A	V	N	V	L
UniRef90_W3ANK4	V	T	N	G	G	E	L	G	E	K	K	G	V	N	V	P	N	V	S	I	R	L	L
UniRef90_F0YWJ7	V	V	N	G	G	V	I	S	D	H	K	G	V	N	L	P	G	V	N	V	N	M	L
UniRef90_R6PVQ1	V	E	N	G	G	V	I	S	D	R	K	G	V	N	L	P	N	V	N	L	S	M	L
UniRef90_Q67R70	V	I	V	G	G	V	L	S	D	R	K	K	V	N	L	P	G	T	K	V	S	L	L
UniRef90_UPI000464E32D	V	V	N	G	G	P	I	S	D	K	K	G	V	N	V	P	G	A	E	L	T	M	L
UniRef90_N1V7A8	V	T	V	A	G	A	V	S	N	N	K	G	V	N	L	P	G	V	A	V	N	V	L
UniRef90_A8N162	A	L	N	S	G	N	I	S	S	R	R	K	G	V	N	L	P	K	T	D	V	D	L
UniRef90_R5HN92	V	E	N	G	G	L	V	K	D	R	K	G	V	N	V	P	G	V	H	L	S	M	L
UniRef90_D2B8B8	V	I	I	G	G	M	I	S	D	N	K	G	L	N	L	P	G	V	N	V	S	S	L
UniRef90_D4YQF5	V	E	V	P	G	N	V	S	N	H	K	G	V	N	L	P	G	V	P	V	S	V	L
UniRef90_R5XJB4	V	I	N	G	G	V	I	S	N	R	K	G	V	N	L	P	G	V	N	V	N	M	L
UniRef90_A4EUI6	V	E	N	G	G	T	I	S	N	R	K	G	V	N	L	P	D	V	F	L	P	L	L
UniRef90_R6HUX7	V	V	V	G	G	P	L	S	S	H	K	G	V	N	L	P	N	I	K	L	P	I	L
UniRef90_R6XMU9	V	V	N	G	G	E	L	G	E	K	K	G	V	N	V	P	N	V	P	V	R	L	L
UniRef90_M2WUI5	V	K	N	G	G	I	L	G	E	T	K	G	V	N	L	P	N	A	S	V	D	L	L
UniRef90_R5KP32	V	V	D	G	G	V	V	T	D	H	K	G	V	N	V	P	N	V	S	L	S	L	L
UniRef90_L1JWE0	V	M	N	G	L	L	L	G	S	K	K	G	V	N	L	P	G	C	K	I	T	L	L
UniRef90_T3G1D8	V	E	N	S	G	L	V	K	N	H	K	G	V	N	L	P	G	V	K	I	N	L	L
UniRef90_X4RAD2	V	I	I	G	G	T	V	S	N	N	K	G	V	N	L	P	G	V	A	V	S	V	L
UniRef90_S2DCP4	V	I	H	G	G	M	L	K	S	R	R	K	G	V	N	L	P	N	T	K	V	S	L
UniRef90_UPI000289185B	I	V	N	G	G	S	I	K	S	R	K	G	V	N	V	P	G	V	K	T	S	L	L
UniRef90_F0W1S6	I	K	N	T	E	E	L	G	N	T	K	G	V	N	L	P	G	L	K	V	D	L	L
UniRef90_M7WUI5	A	V	N	N	G	T	L	S	S	R	R	K	G	V	N	L	P	G	T	E	V	D	L
UniRef90_M4SHN7	V	E	V	G	G	P	L	S	N	R	K	G	L	N	L	P	D	V	V	V	P	M	L
UniRef90_C7R420	C	E	V	P	G	P	L	S	N	N	K	G	L	N	L	P	G	V	A	V	S	V	L
UniRef90_R8WOR7	A	L	N	G	G	P	L	S	N	R	K	G	L	N	L	P	G	I	K	L	N	M	L
UniRef90_A5G4W2	V	V	V	G	G	E	L	R	S	R	R	K	G	L	N	L	P	G	I	N	L	G	T
UniRef90_UPI00036774E9	V	T																					

UniRef90_UPI00037B10F2
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UniRef90_A3TLK8
UniRef90_R6BQX7
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UniRef90_G9XV5
UniRef90_R9LXC0
UniRef90_F6FU99
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UniRef90_R9L143
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UniRef90_B4NH79
UniRef90_A6P179
UniRef90_E6QMQ6
UniRef90_R5QI44
UniRef90_E3DPE0
UniRef90_A1SL37
UniRef90_Q890Z3
UniRef90_S3XUK5
UniRef90_A3SIG5
UniRef90_M1VK88
UniRef90_I5CKF0
UniRef90_K2M211
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UniRef90_L0IUP8
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UniRef90_C3PHA1
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V G L D Y Y K E G L P A R D A S A R G G S T S L L L L D D D G K V A L V W V E E E V V G R S G D N T E L C C
V G T T Y A K G L P A D A S A S A G G T S L L L L D D D G K V A L V T T V E E E V V S S E S S E A D K I E L C C
C S I T Y A Q G L V Y D V V R K A G G D S T L L L L D D D G K V A L G L E V V Q R E V V S S E S S E A D K I E L C C
C C I T Y A K G L L T V D D V V K N Q N D R I L L L L D D D G K V A L E L E V V K E S E K D A I H C C
C C T V S Y K E L V D D V V K V N D R I L L L L D D D G K V A L E L E V V K E S E K D A I H C C
S Y I N F P G L L V N D V K P G G S T I L L L L D D D G K V A L K L V V L E V V L E V V R D P P B E I V C C
V S T T H K G L L P K D D A S A G G P R I L L L L D D D G K V A L Q L R V E V T A N T D N D P P E I V C C
F S T T Y K K N L P K E D V S A G G C P R I L L L L D D D G K V A L R V E V E N T E V V E V V I V V C C
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C S T T F K G L P S D D V K P G G N P L L L L D D D G K V A L L K V L Q Q I V D D N D P P R V I K T E N
I Y V D Y K S L L D D V L K P G G N D V L L L L D D D G K V A L L K V L Q Q I V D D N D P P R V I K T E N
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UniRef90_UPI000466F984	V I N D G E I	S N H K G L N M P N G V K V R R L	
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UniRef90_F2STM3	C L N N G N I	S S K K G V N L P G T D V V D L L	
UniRef90_R6IR11	V L V G G P L	S G H K G V N L P N I K L L P L	
UniRef90_C5BMN1	V V V G G K L	S N N K G I N R Q G G G G L S	
UniRef90_X5ME10	V V A G G K L	T S R K G V N I P D A V L L F I L	
UniRef90_C5M1L6	V L N H A T I	G E R K K N M N L P G G V R V D L L	
UniRef90_UPI0003133190	I L N G G T L	K N K K G V N L P G G V S V N L L	
UniRef90_U7NPZ9	V T V G G R L	S N N K G I N K Q G G G G L S	
UniRef90_C5VQX1	V A N D G V V	S S K K G V N L P N G V S I K L L	
UniRef90_L8LLW0	V V V G G V L	S S K K G V N F P G V Y L S L L	
UniRef90_UPI00037AF8A2	V V V G G D L	S N N K G I N L M G G G G L S	
UniRef90_I0YQW6	C L N N A V L	G E R K K N V N L P G G V V V D L L	
UniRef90_A5GTU3	I T V G G K L	S N N K G V N F P D C L L S L L	
UniRef90_F4B250	V I Q G G P L	R S K K G V N L P N T D I S L L	
UniRef90_C5GW93	C L N N G V I	S S K K G V N L P G T D I D L L	
UniRef90_G4YQA2	V H N D H L L	E E K K N M N L P G G A A I O L I	
UniRef90_C7RCH9	V T I G G V L	S N N K G I N L L G G G L S	
UniRef90_E4T6N7	V L N N G N L	G S R K K G V N L P G S V R I R N L L	
UniRef90_UPI0002DBBB71	V V E G G R L	Q S R K G V N F P S L D L R R L L	
UniRef90_E9B5P0	V T N A H T I	S D R R G V N L P G G C D V D L L L	
UniRef90_R7GEY6	A L N T G R L	G S R K K T M N V P G G V K V D L L L	
UniRef90_UPI0002E740DC	V V Q G G L L	K S R K G V N L P E L N L L S I L	
UniRef90_A2C215	I T V G G V L	S N N K G V N F P D V Q L S I L	
UniRef90_B9IPM8	C E N S A V L	G E K K N A N L P G G V V V D L L	
UniRef90_UPI0003B5C323	V D V G G I L	S N N K G I N K Q G G G L S	
UniRef90_R7EY18	V E N G G E L	T D R K S M S F P G G K V L N	
UniRef90_S0FV70	V K N G G V V	G D H K G I N V P G G A D I R L V L	
UniRef90_Q83G18	V E V P G K V	S N N K G I N L P G G V G V K V L	
UniRef90_T0SUZ0	V Q N S G E I	G N R K R V A V P G G V A L S L L	
UniRef90_A5G9T4	V V E G G V L	K D L K G M N L P G G V D V S S	
UniRef90_F5RDJ9	V R H G G E L	S N N K G I N R Q G G G L S	
UniRef90_T0JBX6	A E V G G F I	S D R K G V N V P D A I V V V L	
UniRef90_A5DBR1	S V N A G S I	S S H K G V N L P G G T D V D L V L	
UniRef90_L8DNT7	V T E G G P V	S N N K G V S L P G G M D V V S V L	
UniRef90_W6LVK9	V D V G G L L	L S H K G V N I P G G K E L L F I L	
UniRef90_F3YB92	V K N E G V L	K N K K G V N V P G G V S V K L V	
UniRef90_S7U0U1	V I T G G V L	T S H K G V N L P T G S V K V L	
UniRef90_K4MAY4	V V V G G P L	S S N K G L N L P G A R I S L L	
UniRef90_E4RT16	V V Y G G L L	K Q K K G V N L P N T N L S L	
UniRef90_C6CVN3	I L N G G V I	K A R K G V N L P G T R T T L L	
UniRef90_K1X8Z3	V L D G G V L	K N K K G M N L P G G I K L L S L	
UniRef90_B1LSN4	V V T G G P I	S N R K G V N L P A R S L L V L	
UniRef90_Q1Q4I4	V I V G G V L	T S R K G I N L P A R S L L V L	
UniRef90_UPI000474941B	V L N T G V I	G N R K R V A A P G G V S V N L V L	
UniRef90_UPI00036477E2	V V A G T K I	S D K K G V S L P D T D L L P V L	
UniRef90_R7UWP8	V K N N G E L	G E N K G V N L P G G V K V N L L	
UniRef90_K2G962	V L N N G P I	K S K K G V N V P N V S V N L L	
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UniRef90_UPI00041D07D3	V L V G G M I	K N H K G V N V P N V K I S O L L	
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UniRef90_J1Q303	V V V G G K L	S N N K G I N R Q G G G G L S	
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UniRef90_H5WKU1	V K V G G I L	S N N K G I N K L I G	
UniRef90_UPI0003B4BF73	V V T G G E L	S D K K S M S F P G G K H I	
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UniRef90_G8PKV9	V E V G G K I	S N R K G V S V P D T E I P V L	
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UniRef90_UPI00025587B4	V T V G G P L	S N N K G I N R Q G G G G L S	
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UniRef90_W1N857	V V V G G K L	S N N K G I N K Q G G G G L S	
UniRef90_W6LFJ0	A T N T H T I	S D R K G V N L P G C D I D L L	
UniRef90_A9SLA6	C E N T A M L	G E K K N V N L P G V I V	
UniRef90_UPI000375D16C	V L L G G E L	S N N K G I N K Q G G G L S	
UniRef90_UPI00036931A2	V E V A G T V	S D R K G V S V P D T T L A L L	
UniRef90_A0A034VF96	V E V G G I L	G A A K G V W L G S V N L D L L	
UniRef90_W4GHX1	V L N S H V L	E E R K S M S L P G A K I R I L	
UniRef90_UPI0004224C36	V E V S G T I	K N H K G V N L P N I S I N L L	
UniRef90_B2FSF1	V L N D G V L	S D R K G L N K Q G G G G L S	
UniRef90_UPI0004719EE9	V T V A G P L	S N N K G I N K K G G G G L S	
UniRef90_UPI0002E48DB0	V T I G G Q L	S N N K G I N K K G G G G L S	
UniRef90_S3CVL4	A R N N G F I	S S K K G V N L P N T D V D L L	
UniRef90_W9A798	A L N S G T I	K N K K G V N V P N V S V N L L	
UniRef90_UPI00039E73B3	A K N S G D L	G E N K G V N L P G G V S V Q L L	
UniRef90_R4I131	V L N N G D L	G E N K G V N L P G I S I Q L L	
UniRef90_K9YWI2	V I T G G I L	K S R K G V N F P N L N L S L L	
UniRef90_F9VIA8	V L N S G E I	S S N K G V N L P K S S K I K L L	
UniRef90_UPI00034D8A92	V I H G G P L	K S H K G V N L S N S S I S	
UniRef90_N1ZAN1	V I N G G L V	S S N K G M N L P D V Y V H L	
UniRef90_E8RE76	V I V G G T V	K S S K G I N L P L T A L S L V	
UniRef90_B2GGV9	V V V P G T V	S D H K G I N L P G V A V S N V	
UniRef90_UPI000406203F	V V V G G T L	S N S K G V N F P G G V Y L S I	

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UniRef90_UPI00029A4482 P E V | R T T I | S D E D I E L K T G S E L L L V G D P D S K T D E R K
UniRef90_UPI00037610D4 P K L | R V G M F K D G S V E L E K P G Q I F T M D D N P A F E G D N T R K
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UniRef90_UPI000419710E P K I | R I A R F Q G E G K Y L R E N A R F D L D T A L P P D Q G D E R Q
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UniRef90_F8GIC2 P K I | R V G R F E H G K I R L E V G D Q F I L L D A T C E L G N Q S R
UniRef90_C4L478 P E I | R T H T F E D G K A L L E K G K E V T I V S T E E V | G T K D R
UniRef90_N6ZHK8 P K I | R V G K F E E G R V T L T R D A A F I L D A S C E L G N T Q R N
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UniRef90_R6UF59 P E V | R L G E F E N G V E T Y E K G D M V T I V R E K I L | G T H E K
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UniRef90_C6VSU3 P K I | R I G L V A E K D G V L I E A G K K L I L S N T E V L | G T A E K
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UniRef90_H5Y4B8 P E V | R T G I V P E A G V V L E N G S E F V L D T D L K T I G N Q R R
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UniRef90_UPI00029A6316 P K I | R T T V Q K D G N I K F H I G D E V R I S M D A S I | E G T H E K
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UniRef90_G4QH33	V T V G G K L	S N N K G I N R Q G G G L S	
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UniRef90_Q222U0	V K L G G E L	S N N K G I N K Q G G G L S	
UniRef90_Q8U1L8	V L S G G K L	F S R K G V N I P K A Y L P V L	
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V S L T D Y K P E L L I E D D L L N V V N G D D T L M V D D D G G R V Q L F R V E E Q I L V T E T E R N A R K T R
V S G L D Y P K E L L I E D D L L N V V N G D D T V L M V D D D G G R V Q L F R V E E Q I L V T E T E R N A R K T R
I S L S Y K E L L S Q H H V R E P G M K I L L L A D D G G E I Q E L T V L E V V H P G T W R I V C E V
F S L S Y K E L L P A E A V V K P G G S K I L L I L D D D G G K L E G L E V D H H C C V
V Y F P H Y K D V L L A S S V N E S G S K I S V D D D G G L I N F K V T T K E E E S T L V E C C R
I K I N Y K D L L A S S V N E S G S K I S V D D D G G L I N F K V T T K E E E S T L V E C C R
V G L D Y P Y L A E E A E S G T Q V L L D D D G G L I S L C V E G G G D G A V L R C C
V S V N Y D K L L M E N L N V G D I L L V N D D G G L V T F E V E K I E S G S N A Y C K E
I P T P I K S L L T K D V N K A R N D D A I L L L D D D G G R V R L R V L A K D Y S Q D K V S C E
F S V T Y D K L I V N D V H K G G K I L L L D D D G G L V E L E V E E K D Q N E I K T T
I G V L D Y P S L L I V N D V N T V G S T L L L V D D D G G E T A M K V L D K T E G A D A K Y L L C
V G L D Y K A L P D D V N T V G S T L L L V D D D G G R V Q L R V L G V L G V T E A G A K I K T T
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I G C T Y Q Y L Q N D A Q V G H K I L L I D D D G G K L A F V V K S K S D R K E K A L L E
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I P V D Y Q G I A D D V K P G D K I L I D D D G K I Q L T V E K S E N N I V Y A K
V G V D Y P L A N D V G I G D T L L L D D D G R I V L E V Q H V T A G S Q V K C V
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UniRef90_D4H6W7	V	L	N	G	G	T	A	F	S	K	K	G	V	N	M	P	C	S	S	L	S	V
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UniRef90_E7QT12	V	V	S	G	G	E	L	S	S	R	K	G	V	N	V	L	P	G	V	E	L	G
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UniRef90_S7N7H7	V	E	
UniRef90_UPI000371C129	V	V I E G G C L	K S R K G V N I P S L D L R L
UniRef90_R9IYQ6	V	I R G G V L	Q S R K S V N A L P G V V A I N L
UniRef90_J9F2H4	I	D N D A L L	K P R K S V N V P S V S I K L L
UniRef90_C7NP64	V	E N G G K L	G A R K G V N V P S G V E L G L L
UniRef90_H3G361	V	I T G G H L	G S H K G V N L P S G V R V R L
UniRef90_A8JDX8	V	L N S K K L	G Q R K N C N L P S G V K V D I
UniRef90_B9L8K7	V	K N E G V L	S S R K G V N F P H S K L K I
UniRef90_M1IWE7	V	I E G G T I	T S R K G I N L P D A D T P V
UniRef90_UPI00035E7781	V	T R G G C V	A R R G V N V
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UniRef90_UPI0003792CDD	V	Q S S G V V	S S Y K G V N L P G V P I D
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UniRef90_B5Y8W1	V	V A G G T V	T S H K G I S F A G A R L R L
UniRef90_K2GB55	V	V D G G V I	K N H K G V N I P D A K L Q I
UniRef90_M2WVY6	C	L E S G I L	T S R R H L N V R G K T A S L
UniRef90_H9K3D1	I	I K G G I V	K D G K L I Q L L D S L V P L
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UniRef90_K2EGD2	V		
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UniRef90_A0A023VK50	V	E N D G L I	A K Q K G V N I P N T K I P
UniRef90_M7YB80	I	T R I S T I	K N G K G I N F P D T P L Q I
UniRef90_R1EEU6	I	T I G G P L	K S R K G I N V P D L Q I D
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UniRef90_UPI000465D0FF	V	E Q G E K L	R H K K G L N F P D T A L D L
UniRef90_UPI0003A2FF54	V	L I G G T V	A E R H T V H
UniRef90_COATH3	V	T V G G K L	S N R K G I N L L G G G L S
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UniRef90_F7IV55	V	E N D G I I	A K Q K G V N I P N T K I P
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UniRef90_E2ZMH8	V	V R G G T L	Q S R K S I A P G L A V P
UniRef90_E0SQJ2	A	L T D S V I	T S R K A I A I Q G K E L D L

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UniRef90_W5BD38
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UniRef90_M0S2T6	I V I Q G S K L G T K K S I N L P K S D T K L	
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UniRef90_F6HJ15	C T D P E L L L P R A N L T F	
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UniRef90_F9T4F3	V T Y P G E V E L R K G I S L S R K H I	
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