

QUERY	1	10	20	30																																	
UniRef90_L5JP19	S	I	P	P	E	V	K	F	N	K	P	F	V	F	L	M	I	E	Q	N	T	K	S	P	L	F	M	G	K	V	V	N	P	T	Q		
UniRef90_UPI00032CA0E8	S	I	L	P	P	T	V	Q	F	N	R	P	F	L	F	L	I	Y	D	K	K	H	C	S	P	L	F	M	G	K	V	V	N	P	T	Q	
UniRef90_O54763	S	L	L	P	D	V	R	K	F	D	R	P	F	L	L	L	I	Y	E	H	Y	T	K	S	P	L	F	V	G	K	V	V	N	P	T	Q	
UniRef90_UPI00046B3079	S	I	L	P	P	E	V	K	F	D	R	P	F	L	M	M	L	I	F	D	Q	N	T	E	S	P	L	F	M	G	K	V	V	N	P	T	Q
UniRef90_UPI000388F654	S	L	L	P	P	I	I	Q	F	N	R	P	F	L	L	M	I	I	F	D	R	Q	N	T	D	A	L	F	L	G	K	V	V	N	P	T	Q
UniRef90_F1PCE5	S	M	P	P	S	E	V	D	F	N	K	P	F	L	L	I	I	Y	D	R	S	D	T	K	S	P	L	F	M	G	K	V	V	N	P	T	Q
UniRef90_UPI0004404287	S	I	L	P	P	S	E	V	E	Y	N	R	P	F	F	F	L	I	Y	D	K	T	T	K	A	S	L	F	V	G	K	V	V	N	P	T	Q
UniRef90_UPI0003992B0D	S	L	L	P	P	H	I	T	F	N	R	P	F	L	L	M	I	Y	D	K	T	T	N	S	L	I	F	V	G	K	V	V	N	P	T	Q	
UniRef90_UPI0003991E8D	S	V	L	P	P	T	V	K	F	N	R	P	F	L	L	L	I	Y	D	Q	K	E	T	Q	S	L	F	V	G	K	V	V	N	P	A	E	Q
UniRef90_UPI00045DBBC6	S	L	L	P	P	T	V	K	F	D	S	P	F	L	L	L	I	Y	D	K	Y	E	T	K	S	P	L	F	V	G	K	V	V	N	P	L	Q
UniRef90_UPI00042BF2D4	S	L	L	P	L	T	I	K	F	N	R	P	F	L	M	T	I	Y	D	K	N	T	Q	S	L	I	F	V	G	K	V	V	N	P	T	K	
UniRef90_UPI00046BA161	S	L	L	P	P	N	V	E	F	N	R	P	F	V	L	A	I	Y	D	K	D	T	K	A	S	P	L	F	V	G	K	V	V	N	P	T	T
UniRef90_Q91X22	S	M	P	P	I	L	I	R	F	D	H	P	F	L	F	I	I	Y	E	E	H	T	Q	S	P	L	F	V	G	K	V	V	N	P	T	H	
UniRef90_Q09055	S	M	P	P	I	L	M	K	F	D	R	P	F	L	V	V	I	Y	E	E	Q	H	T	K	S	P	L	F	V	G	K	V	V	N	P	T	Q
UniRef90_UPI0003332333	S	V	L	P	P	E	V	N	L	N	R	P	F	L	Y	M	L	Y	E	E	Q	H	T	K	S	P	L	F	M	G	K	V	V	N	P	T	Q
UniRef90_UPI0003315B07	S	M	P	P	V	I	R	V	N	R	P	F	H	F	M	I	Y	E	E	P	S	R	T	L	L	F	L	G	R	V	V	N	P	T	T		
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UniRef90_UPI00038E971D	S	M	P	P	E	V	N	F	N	R	P	F	V	V	V	I	V	S	H	S	T	D	S	L	L	F	L	G	K	V	V	N	P	T	Q		
UniRef90_UPI000395ABD5	S	L	L	P	P	R	V	R	F	N	R	P	F	L	V	L	I	V	D	K	F	T	H	T	V	L	F	V	G	K	V	V	N	P	T	K	
UniRef90_UPI0003D074F3	S	L	L	P	P	I	I	K	F	N	K	P	F	L																							

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UniRef90_Q4SGV7	S	M	P	L
UniRef90_UPI000334661E	P	L	S	V
UniRef90_G3PCV6	P	V	L	K
UniRef90_E7QW15	P	F	E	M
UniRef90_X1R7Z1	P	V	F	M
UniRef90_UPI0003BBB05E	S	V	K	F
UniRef90_UPI0002C570E2	T	V	K	F
UniRef90_S9WZP7	T	V	K	F
UniRef90_UPI0003F1B652	S	M	P	L
UniRef90_G1KCM3	P	L	T	I
UniRef90_UPI00037FC347	P	L	T	I
UniRef90_UPI0003C817F9	P	L	T	I
UniRef90_UPI00046B62E0	P	L	T	I
UniRef90_UPI0003332A9E	P	L	T	I
UniRef90_L5LHS4	L	R	P	I
UniRef90_UPI000440EF23	S	V	P	I
UniRef90_UPI0003945213	S	V	P	I
UniRef90_F6S634	P	F	I	V
UniRef90_UPI0003C26176	P	F	I	V
UniRef90_H0X6H7	L	P	P	R
UniRef90_F7BFU3	L	P	P	R
UniRef90_H2YT09	S	Y	P	L
UniRef90_F6SC37	T	V	P	L
UniRef90_UPI00032AF2AC	S	S	H	P
UniRef90_UPI0004067F95	S	L	P	S
UniRef90_UPI00038EA749	P	V	I	V
UniRef90_F7EY78	P	V	I	V
UniRef90_UPI00022F5CAB	S	K	L	P
UniRef90_UPI00022F4935	P	L	E	V
UniRef90_W5LFN2	P	V	L	I
UniRef90_G3VP31	T	V	P	L
UniRef90_G3VU07	S	R	A	P
UniRef90_W5MW74	P	V	T	M
UniRef90_G3V8X9	P	P	E	I
UniRef90_D8K1L1	I	M	N	F
UniRef90_UPI000462CC78	M	P	L	T
UniRef90_UPI0003316381	P	L	T	V
UniRef90_UPI000210618A	P	L	T	V
UniRef90_G1PI44	P	L	T	V
UniRef90_W5UBZ7	P	L	T	V
UniRef90_UPI0003347AEE	P	L	T	V
UniRef90_G3R098	L	H	P	V
UniRef90_UPI00032B1E26	S	P	Q	P
UniRef90_UPI00032AE638	S	L	P	E
UniRef90_D4GW5F	S	R	A	P
UniRef90_H3DE40	S	P	A	P
UniRef90_UPI00046BBE99	P	S	V	I
UniRef90_UPI0003318A21	P	V	I	L
UniRef90_H0WD53	P	V	I	L
UniRef90_UPI00032AE3C6	S	E	P	L
UniRef90_F7FGX5	P	Q	A	H
UniRef90_Q8CIE0	L	P	P	R
UniRef90_G3PKC2	M	P	L	S
UniRef90_G3NVJ2	S	G	P	P
UniRef90_A9EVU8	T	V	S	F
UniRef90_A2I7N3	H	I	P	L
UniRef90_A6QPQ2	S	L	P	R
UniRef90_M4AGQ4	P	M	I	L
UniRef90_UPI000333614	T	V	T	V
UniRef90_S5TK78	S	F	V	V
UniRef90_A8V961	P	L	Q	V
UniRef90_UPI00045D8F11	P	L	Q	V
UniRef90_X0S7G6	V	F	R	A
UniRef90_UPI0004573618	S	A	Q	A
UniRef90_Q005N4	P	I	V	F
UniRef90_G1KDZ2	P	H	I	K
UniRef90_Q5XVN5	S	L	P	V
UniRef90_F1M8F5	T	M	Y	F
UniRef90_UPI000359E5D8	L	N	F	N
UniRef90_UPI00047D9FF8	P	P	V	F
UniRef90_G3HBC3	L	P	M	T
UniRef90_UPI00032AF45F	P	L	I	V
UniRef90_UPI0002C4602E	P	R	I	V
UniRef90_Q66KX6	V	P	S	R
UniRef90_W4YS45	P	L	I	L
UniRef90_V9KM89	S	L	P	K
UniRef90_V9GN21	S	M	P	L
UniRef90_M7BS84	V	P	A	T
UniRef90_C7QHC0	S	P	P	A
UniRef90_F6SYQ0	P	S	I	R
UniRef90_B8GGI6	P	E	F	R
UniRef90_UPI000333DB23	P	L	V	L
UniRef90_UPI00042CCA99	S	A	F	R
UniRef90_UPI000326871	S	T	Q	I
UniRef90_H0X6H2	H	R	V	L
UniRef90_UPI00038C2835	P	A	V	H
UniRef90_C5A4E9	V	F	R	A
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UniRef90_S7TUU2	P	V	F	R	A	D	H	P	F	I	F	L	I	R	E	H	A	T	G	S	I	L	F	M	G	R	L	A	D	P				
UniRef90_Q7TMB9	P	R	T	L	N	F	N	R	P	F	F	V	V	I	T	D	M	S	T	Q	S	I	L	F	V	A	K	I	T	N	P	K	R	
UniRef90_UPI00022F4933																																		
UniRef90_UPI0003B2EBBA																																		
UniRef90_UPI0003B6CDC6	S	L	P	Q	F	I	A	N	R	P	F	F	F	A	I	R	D	E	N	T	G	T	V	L	F	I	G	K	V	V	D	P		
UniRef90_UPI00033AA5B																																		
UniRef90_UPI0003317AB0																																		
UniRef90_Q5FW33																																		
UniRef90_X1FBP6																																		
UniRef90_UPI00033BC552	S	L	H	P	I	V	T	I	D	R	P	F	I	F	L	I	R	D	V	E	T	G	S	I	L	F	M	G	R	V	N	P	S	
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UniRef90_UPI0002C68A4A																																		
UniRef90_UPI00042AEA19	S	E	P	L	T	I	T	F	N	R	P	F	L	M	Q	I	R	R	S	T	E	T	T	L	F	L	G	K	V	E	N	P	T	
UniRef90_B9XLN3																																		
UniRef90_I5AYK0																																		
UniRef90_UPI000155C071	S	L	P	R	F	H	C	D	H	P	F	I	F	F	I	R	H	N	A	T	G	S	I	L	F	L	G	K	V	V	S	P		
UniRef90_UPI00045D654F																																		
UniRef90_A7YQ79	S	T	Q	T	R	F	I	V	D	R	P	F	L	F	L	I	Y	E	H	R	T	G	C	V	V	F	M	G	R	V	V	D	P	S
UniRef90_G1KCM4	S	T	P	T	V	L	K	F	N	M	P	F	I	A	M	V	V	E	N	T	E	T	G	S	I	L	F	M	A	T	I	N	P	N
UniRef90_UPI00038BB2A0																																		
UniRef90_U3KNJ3																																		
UniRef90_UPI0003343826	S	L	P	R	N	F	I	A	N	H	P	F	L	F	I	I	K	N	K	S	T	E	S	I	L	F	M	G	R	V	T	N	P	T
UniRef90_S9WZQ0																																		

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UniRef90_G8M386	S	I	P	D	A
UniRef90_R5M9N2	S	T	P	I	S
UniRef90_Q16HB8		I	F	N	A
UniRef90_UPI000471960F	S	L	P	V	S
UniRef90_B5X2K0	S	S	P	W	V
UniRef90_X1SQQ9		I	M	R	V
UniRef90_UPI000454310B		P	F	I	V
UniRef90_S4XW60		P	Q	V	F
UniRef90_B0UYL8	S	R	S	A	V
UniRef90_UPI00046B5856		P	S	R	V
UniRef90_UPI00038C02F7		P	L	R	V
UniRef90_F6QMA1	S	S	P	I	Y
UniRef90_Q23MN8		P	E	V	H
UniRef90_U5EYE5		P	P	R	E
UniRef90_H0Z158			V	T	L
UniRef90_V8NDI7			I	T	F
UniRef90_Q23MN9		P	L	I	L
UniRef90_H1XQZ0	P	P	I	L	S
UniRef90_F1SCC7		I	L	V	R
UniRef90_H2MB90			K	F	N
UniRef90_B0XAK8		P	E	R	F
UniRef90_G7J5Q8	S	I	P	R	L
UniRef90_UPI0003D0EB3C			V	Q	F
UniRef90_R7ZXZ0	S	M	P	P	T
UniRef90_X0RVS8	S	P	P	P	I
UniRef90_F7EL68			P	Q	V
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UniRef90_X5DY52		P	Q	N	M
UniRef90_M0LEG3	S	G	P	V	M
UniRef90_S9R8E0	S	M	P	A	P
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UniRef90_G3HBC4			I	V	R
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UniRef90_Q9DFK4	I	P	L	K	L
UniRef90_A0A023EZF2			T	V	E
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UniRef90_A1ZEC0		P	K	I	F
UniRef90_B8LDN7			R	L	T
UniRef90_UPI0004716980		P	P	E	V
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UniRef90_U5QSG9		P	F	Q	M
UniRef90_E1RK56			P	V	F
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UniRef90_UPI000333EA44			P	L	I
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UniRef90_UPI0001E2D8EF	M	P	N	S	F
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UniRef90_H2ZYD8	H	L	N	F	T
UniRef90_W8AUJ1				E	F
UniRef90_K7F6G3		P	V	T	F
UniRef90_Q8IW75		P	L	V	V
UniRef90_G7KVX4				D	H
UniRef90_UPI0002DAA99A			P	F	E
UniRef90_C3PT37			P	I	F
UniRef90_B8HS87	I	P	V	E	M
UniRef90_L5JQF0		P	L	T	F
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UniRef90_UPI00034CF52E		P	F	T	M
UniRef90_X1HT99				E	F
UniRef90_W9SEX9		P	P	R	T
UniRef90_Q22KT6		P	P	Q	V
UniRef90_K9TLS7			S	M	I
UniRef90_U5ETD6			T	F	R
UniRef90_UPI0003462033			P	F	S
UniRef90_K7INJ6				T	F
UniRef90_UPI000479EEDB	S	A	G	M	E
UniRef90_UPI0002C35F7E		L	P	Q	T
UniRef90_F6QE85	S	I	P	R	Q
UniRef90_L8PUK7				T	L
UniRef90_H0V8V9	S	A	P	L	S
UniRef90_Q67JZ0			P	P	E
UniRef90_UPI0002740234	S	R	P	P	M
UniRef90_UPI0003F13A93				I	L

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UniRef90_A9FUE0			P	F	L	F	L	I
UniRef90_UPI000441B85B			K	P	F	L	V	E
UniRef90_F1SCE3			R	L	V	F	A	N
UniRef90_U3K1B4	S	R	T	P	L	F	K	A
UniRef90_W5Q0S7			F	N	Q	L	F	L
UniRef90_M7BA81	S	L	P	L	E	V	T	L
UniRef90_UPI000332F80A			P	T	L	K	F	N
UniRef90_Q8TNN7			E	F	K	A	D	H
UniRef90_M7BIW6	T	F	P	L	D	Y	H	L
UniRef90_G7J5S5			P	P	P	I	N	F
UniRef90_A0A017THI1			F	H	L	N	K	P
UniRef90_U5QKH3			V	F	N	V	D	R
UniRef90_M3XVL4			R	L	I	F	N	R
UniRef90_Q8PTN8	S	K	Q	R	E	F	K	A
UniRef90_B8AM77	S	R	P	R	R	L	N	F
UniRef90_G3VVG2			P	I	I	M	N	F
UniRef90_L9L433			E	V	T	L	N	S
UniRef90_W5W2L1	S	D	P	V	V	V	D	V
UniRef90_J3KYL9			P	M	D	F	V	A
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UniRef90_K1QZP2			P	M	V	F	K	A
UniRef90_Q9JK88				N	P	F	L	F
UniRef90_G3VJ14			P	Y	F	V	A	D
UniRef90_UPI0003314D39			P	F	S	M	K	M
UniRef90_F6VEH8	S	S	P	P	W	F	L	A
UniRef90_UPI0003F096FC	S	L	E	P	R	F	A	D
UniRef90_R7ENW1				F	Y	V	D	R
UniRef90_Q63556			P	M	I	V	W	F
UniRef90_B8E367			P	K	V	F	K	A
UniRef90_I4CDY5				I	F	R	A	D
UniRef90_H9LD39			P	P	I	R	F	D
UniRef90_W4V2T9			P	E	F	V	A	N
UniRef90_F4L5I9	S	V	P	P	Q	F	I	V
UniRef90_X0RPZ6			P	V	D	V	T	V
UniRef90_M0X8P9				D	R	P	F	L
UniRef90_UPI0004405C4C			T	I	C	F	N	R
UniRef90_M7CAZ4			T	F	S	L	N	Q
UniRef90_UPI0004404EB9			I	P	D	S	F	R
UniRef90_UPI00037D1C81				I	T	F	D	R
UniRef90_I0UYA1			P	V	T	V	T	L
UniRef90_F6QFN9				T	F	K	A	N
UniRef90_W5N9L0				E	V	T	L	D
UniRef90_UPI0004714307				I	V	R	L	D
UniRef90_W6MEV4	S	L	P	M	T	F	I	A
UniRef90_Q3M416			P	F	K	M	I	V
UniRef90_UPI0002BCE278			P	R	F	V	A	D
UniRef90_UPI0003756561	S	E	T	F	D	I	E	F
UniRef90_G3WP43	S	R	T	P	F	F	K	A
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UniRef90_UPI0003336422			M	S	L	S	F	R
UniRef90_G1SRN4				F	N	W	P	F
UniRef90_H9GHL5	S	M	P	M	R	E	K	F
UniRef90_Q5U539	S	L	M	E	T	F	N	V
UniRef90_A0RWY5				D	R	P	F	L
UniRef90_E3IWZ9				L	T	V	D	R
UniRef90_P93692			P	P	S	V	I	V
UniRef90_B3DM34			H	S	V	Y	R	I
UniRef90_UPI000443F7FD			P	R	F	C	V	D
UniRef90_UPI0003603BD8	S	E	P	V	R	F	F	A
UniRef90_B9N6P6			P	P	S	F	V	A
UniRef90_G3HD41	S	L	P	S	W	V	E	F
UniRef90_Q9ST57	S	P	P	S	D	M	F	D
UniRef90_UPI0002A4BC8A				S	F	I	L	N
UniRef90_G3SU45				T	F	K	A	N
UniRef90_U2SUD6	S	D	P	E	T	V	H	V
UniRef90_UPI0004749EF5	S	R	P	V	V	V	R	L
UniRef90_V4BAN5			L	P	R	L	R	I
UniRef90_UPI0003290978			P	V	L	L	K	V
UniRef90_D3Z451	S	N	P	T	V	V	I	N
UniRef90_R6FHZ0				I	L	L	D	R
UniRef90_UPI000371325B	S	E	P	L	E	V	R	V
UniRef90_D2HEM8				R	V	M	F	N
UniRef90_P01019				E	V	T	L	N
UniRef90_L0HIR6			P	V	F	R	A	D
UniRef90_H0UT58			P	K	F	C	A	D
UniRef90_UPI0003ABC5ED				I	V	E	N	R
UniRef90_M3WCX5			P	K	V	I	L	N
UniRef90_UPI0004400E3E			P	F	K	V	K	L
UniRef90_B0X107			P	R	F	F	A	N
UniRef90_W5EIQ1			P	V	R	V	D	F
UniRef90_UPI0003C3622E			P	R	I	R	F	D
UniRef90_L5K3L1				E	V	T	L	N
UniRef90_V3ZMU0	L	P	R	Q	F	N	A	D
UniRef90_M4AV46	V	A	L	R	L	S	I	N
UniRef90_UPI0003F0AF9C				Q	F	L	V	M
UniRef90_UPI00034540E2			M	E	I	N	R	P
UniRef90_C5YXZ5			P	D	D	F	I	T
UniRef90_B3S279			P	L	I	K	V	D
UniRef90_N1ZU94			P	I	V	K	F	D
UniRef90_E4TH65			P	V	V	F	R	A
UniRef90_UPI000443F0AA			P	R	V	I	A	D
UniRef90_F6PN14			P	L	T	I	N	I

	1		10		20		30																													
UniRef90_A9U199		P	D	T	F	V	A	D	R	P	F	M	F	L	I	M	E	E	V	S	N	A	I	V	F	S	G	R	V	T	N	P	S	K		
UniRef90_X1DPL1				I	I	E	F	N	R	P	F	F	F	V	I	A	D	D	R	S	G	S	I	I	F	M	G	K	V	V	E		P			
UniRef90_UPI0003788B08		P	V	V	T	F	D	R	P	F	A	F	V	I	V	D	T	A	T	G	A	P	V	F	V	G	Q	V	L	D		P				
UniRef90_UPI00045DE984	S	R	P	S	Y	V	T	F	N	H	P	F	L	F	F	I	R	H	K	K	T	Q	T	L	L	F	Y	G	K	V						
UniRef90_F1PIV3			P	R	F	C	A	D	H	P	F	L	F	F	I	I	H	R	H	T	N	S	I	L	F	C	G	R	F	C	S	P				
UniRef90_UPI000328E5B1	S	F	S	L	D	Y	H	L	N	Q	P	F	I	F	V	L	R	D	T	D	T	G	A	L	L	F	M	G	K	I	L	D	P			
UniRef90_P09006		P	L	I	I	A	F	N	D	R	P	F	L	M	I	L	S	D	T	E	T	A	I	A	P	F	L	A	K	I	F	N	P	K		
UniRef90_F6PW14				L	V	F	N	H	P	F	I	V	I	I	R	E	K	Y	T	Q	M	P	M	F	M	G	R	V	A	R	P	M				
UniRef90_Q25B53								D	H	P	F	L	F	L	I	R	D	N	D	S	N	S	I	L	F	L	G	R	L	V	R	P				
UniRef90_G5AXC4		P	E	E	I	I	L	D	R	P	F	L	F	V	V	R	H	N	P	T	G	T	V	I	F	M	G	Q	V	M	E	P				
UniRef90_UPI0000F5FD2A	S	M	P	R	C	I	E	F	N	H	P	F	L	F	F	V	K	H	N	K	T	Q	T	I	L	F	Y	G	R	V	C	C	P			
UniRef90_G3VBX5		P	I	V	I	N	F	D	R	P	F	M	V	I	L	Y	N	E	N		N	I	L	F	L	A	K	V	N	N	P					
UniRef90_C5YH64	L	P	V	N	F	V	A	D	H	P	F	V	F	F	V	V	E	E	V	S	R	V	I	V	F	M	G	H	V	L	D	P	T	K		
UniRef90_Q7T309				R	F	C	A	D	H	P	F	L	M	L	I	R	H	N	P	T	G	S	L	L	F	Y	G	R	V	C	N	P				
UniRef90_UPI000388E9DB								N	R	P	F	L	F	L	L	K	H	N	P	T	G	S	I	V	F	M	G	R	L	A	N	P				
UniRef90_UPI00022CA1B4				I	F	H	A	D	R	P	F	L	F	Y	I	E	D	E	S	T	G	T	I	I	Y	I	G	R	M	M	N	P				
UniRef90_UPI000359DF8A		P	L	V	R	V	N	R	P	F	I	I	F	I	Q	D	P	T	N	N	V	P	I	F	L	G	R	V	A	N	P	R	K			
UniRef90_A6GDF3				T	F	V	A	D	K	P	F	V	V	V	Y	D	R	P	S	R	T	P	L	F	V	G	R	V	V	D	P					
UniRef90_B4LRF8				E	F	N	V	N	R	P	F	V	F	F	I	E	E	E	A	T	G	N	I	L	F	A	G	R	V	H	Q	P				
UniRef90_M1AUE3								D	H	P	F	L	F	L	V	R	E	E	S	T	G	A	M	L	F	L	G	S	V	M	N	P				
UniRef90_UPI000379FC79	S	L	T	I	D	M	E	V	N	R	P	F	F	F	A	L	H	D	A	R	T	S	S	I	L	F	M	G	A	V	R	D				
UniRef90_Q06770				T	L	K	Y	N	R	P	F	I	F	L	A	F	D	K	Y	T	W	S	S	L	F	M	M	S	Q	V	M	N	P			
UniRef90_A7SKW8				V	F	Y	A	D	H	P	F	L	F	S	I	H	H	K	P	S	S	A	T	L	F	L	G	K	V	M	Q	P	T	R		
UniRef90_T1JQ80				P	R	L	I	T	D	R	P	F	I	F	L	I	R	D	L	K	T	D	A	I	L	F	L	G	R	V						
UniRef90_Q1TJ4		P	F	H	M	V	V	N	R	P	F	L	F	F	V	H	D	D	A	N	I	L	L	F	A	G	V	V	M	D	P	T	Q			
UniRef90_T1G677	S	I	P	V	D	F	R	A	D	H	P	F	I	F	S	I	K	D	I	E	S	G	S	I	L	F	L	G	K	F	L	K	P			
UniRef90_C9KS19		P	Y	P	F	H	V	N	R	P	F	L	L	V	I	H	E	N	K	T	G	L	I	L	F	M	G	K	M	M	D					
UniRef90_UPI0002C2F018		P	V	E	I	D	F	D	H	P	F	V	F	F	I	R	E	D	R	T	G	T	V	L	F	M	G	T	V	L	N	P				
UniRef90_UPI00032B09B7		P	E	E	I	I	M	D	R	P	F	L	F	V	V	R	H	N	P	T	G	T	I	L	F	L	G	Q	V	M						
UniRef90_A7LR73				I	I	H	F	D	R	P	F	I	F	M	I	K	E	K	S	T	G	L	I	L	F	M	G	Q	V	T						
UniRef90_UPI0003C8E2F8				P	S	F	R	A	D	R	P	F	L	F	F	I	R	E	Q	Q	T	N	G	I	L	F	V	G	R	F	S	S	P			
UniRef90_F8F9V4				P	F	H	M	T	V	N	R	P	F	L	L	A	I	Q	S	S	E	T	G	S	L	L	F	L	G	S	I	Y	K	P	E	E
UniRef90_L8IIA1				P	T	I	S	F	N	R	P	F	I	L	L	A	V	I	K	A	T	K	T	L	V	F	I	R	K	V	E	N	P	T	Q	
UniRef90_F1MN78	S	L	P	I	R	F	R	C	D	H	P	F	L	F	L	I	K	H	I	K	T	N	S	I	L	F	C	G	R	V	S	S	P			
UniRef90_V9KHW2								L	N	R	P	F	L	Y	F	I	R	H	N	P	T	G	A	I	L	F	A	G	R	V	A	N	P			
UniRef90_V5L0E2				E	V	I	A	N	K	P	F	F	F	L	I	Q	D	E	T	T	R	Q	L	L	F	T	G	R	V	A	D	P	T			
UniRef90_W2CNM8	S	P	I	Q	V	F	T	V	D	R	P	F	L	F	V	I	R	E	K	S	T	G	V	I	L	F	I	G	E	L						
UniRef90_UPI00045748D4	S	L	T	P	E	I	V	A	D	H	P	F	L	F	F	L	R	H	N	K	T	K	N	I	L	F	F	G	R							
UniRef90_UPI0003C4D39E				P	N	Q	F	I	A	N	H	P	F	L	I	F	M	K	N	I	P	T	G	S	F	L	F	M	G	R	V	T	N	P		
UniRef90_H1Z2V9				P	V	F	M	A	D	H	P	F	I	F	M	I	E	D	T	D	D	G	N	I	L	F	M	G	K	L	S	S	P			
UniRef90_B4MLK8				P	P	K	F	V	L	N	K	P	F	Q	Y	L	I	V	D	K	S	T	N	L	L	F	A	G	Q	V	R	N	P	K	E	
UniRef90_UPI000379FEF2	S	A	G	P	S	V	A	F	D	R	P	H	L	L	L	V	R	E	Q	R	T	G	E	P	L	F	L	A	R	V	A	D	P			
UniRef90_H3B8H4								N	R	P	F	L	V	L	I	R	E	T	T	I	N	T	I	L	F	M	G	R	I	S	S	P				
UniRef90_UPI0003C9029F				I	F	S	L	N	R	P	F	L	F	F	L	F	D	D	A	T	G	L	P	L	F	L	G	S	V	K	N	P				
UniRef90_L8YCN9				R	V	V	F	N	R	P	F	L	M	S	I	L	D	S	N	L	N		I	L	F	L	G	K	V	T	K	P				
UniRef90_UPI00038C2D69	M	P	P	V	F	Y	C	D	H	P	F	L	F	F	I	K	Q	N	K	T	H	S	L	F	F	G	R	V	S	S	P					
UniRef90_A9KID0				T	V	K	L	D	R	P	F	L	F	A	I	V	D	N	K	T	N	L	P	I	F	I	G	T	V	M	N					
UniRef90_I3IVP4	V	P	L	K	L	S	I	N	R	P	F	F	F	S	V	I	E	G	N	F	N	S	I	L	M	L	G	K	I	I	N	P				
UniRef90_UPI000258F879				E	V	K	L	D	R	P	F	L	F	L	I	I	D	S	V	T	N	T	T	L	F	F	G	R	F	I	E	P				
UniRef90_UPI00032B1522				F	T	A	D	H	P	F	L	F	L	I	R	H	N	P	T	S	N	I	L	F	L	G	R	V	C	S	P					
UniRef90_UPI000379FF0A				P	V	T	V	R	V	D	R	P	F	L	L	L	V	R	H	A	A	T	G	V	V	Y	F	L	S	R	V	V	E	P		
UniRef90_R6XNV9				P	R	K	V	E	F	N	R	P	F	I	Y	M	I	T	E	S	T	G	A	I	L	F	M	G								
UniRef90_B2A7B4	S	M	H	F	Q	I	E	F	N	R	P	F	F	Y	A	I	E	N	T	E	V	D	T	I	L	F	M	G	V	V	H	D	P	T		
UniRef90_UPI0003346C71				T	F	N	A	N	H	P	F	V	F	F	I	R	H	N	P	T	Q	T	V	L	F	Y	G	R	V	S	S	P				
UniRef90_UPI000388FBEA	S	V	R	P	Q	V	E	F	D	H	P	F	L	F	F	I	R	H	Q	E	T	E	C	I	L	F	Y	G	R	F	S	S	P			
UniRef90_E2BHC2				T	V	F	L	A	N	H	P	F	M	F	Y	I	E	D	E	S	T	G	T	I	L	F	M	G	K	V	E	D	P			
UniRef90_F6W754	S	L	A	E	E	F	N	C	Q	P	F	L	F	F	I	R	D	N	K	S	K	N	L	L	F	C	G	R	V	V	A	P				
UniRef90_R0FHU7				P	T	F	V	A	D	H	P	F	F	F	M	I	R	E	D	K	T	G	T	V	L	F	A	G	Q	I	F	D	P	S	E	
UniRef90_UPI00037AE7B2				P	I	Q	F	N	A	N	H	P	F	L	F	I	L	Y	D	T	K	S	G	I	L	F	I	G	Q	V	F	N	P	Q	K	
UniRef90_F8A573	S	M	P	L	E	V	R	V	D	R	P	F	L	L	T	V	R	D	G	T	S	G	W	P	L	F	L	G	A	V	E	D	P			
UniRef90_I3LZ26				I	V	N	F	N	K	P	F	L	M	A	I	H	E	D		V	I	L			F	M	S	K	V	T	N	P	K			
UniRef90_M9ZTX0				P	V	V	R	A	D	K	P	F	L	F	F	I	H	H	V	K	T	D	S	F	L	F	W	G	T	V	M	K	P	T		
UniRef90_G3N6K5				E	I	T	L	D	R	P	F	L	F	L	I	Q	H	K	Q	T	G	T	V	L	F	M	G	Q	F	N	Q	P				
UniRef90_UPI00047D3B8C	S	L	A	P	P	M	I	V	D	R	P	F	L	V	A	V	V	D	R	R	S	R	L	P	L	F	L	G	R	V	T	D	P			
UniRef90_R7ICK8				I	T	F	N	K	P	F	M	F	L	I	R	D	K	N	T	K	E	V	W	F	A	G	T	V	Y	E	P	T	E			
UniRef90_R7CLN6				V	E	L	T	R	P	F	A	F	L	I	Y	D	R	S	N	D	E	L	F	F	M	G	K	V	M							
UniRef90_P38028	S	L	P	P	E	L	E	I	N	K	P	F	I	L	I	Y	D	D	N	T	K	S	P	L	F	V										
UniRef90_Q9SIR9				P	D	F	V	A	D	R	P	F																								

lupas_21
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