```
M D
M D
M D
                                                                                                                                                                                                                                                                                   QUERY
UniRef90_F6PZV7
UniRef90_UPI00046B4349
UniRef90_UPI00042C8432
UniRef90_UPI0003288923
UniRef90_UPI0003338236
UniRef90_UPI000333A236
UniRef90_UPI00033195D2
UniRef90_UPI00027FB3D1
UniRef90_UPI00045DB9D8
UniRef90_UPI000444559B
UniRef90_UPI0003F15E73
UniRef90_UPI0003F0F678
UniRef90_UPI0003F0F678
UniRef90_UPI0003EC263E
 QUERY
                                                                                                                     P P P P P P P
                                                                                                                             ZZZZZZZXXZZZZZZZ
                                                                                                                                      SSSPSSSSSSSSSSSSSSSS
                                                                                                                                                                                        \sigma
                                                                                                                                                                                                                                                                                                                    oldsymbol{1}
                                                                                                                                                                                                                                                                                                                                                                                        CCYCCC & CCCCC & SGRCCCCCCC X CCCCCCCCCCCCCCCC & H C K CCCCCCCCC
                                                                                                                                                                                                                                                                                                                                                                                                 oldsymbol{\mathsf{S}}
                                                                                                                                                                                                                                                                                                                                                                                                                 00000\000000000000\0000000\000\FF000
                                                                                                                                                                                                                                                                                                                                                                                                                          COCCCCCCCCCRCCCCCCYCC
                                                                                                                                                                                                                                                                                                                                                                                                          CCCCCRCCCYCCRCCCCCCCCCCCCSCCAACCCCC
                                                                                                                                                                                                                                                                                                                                                                                                                                 M D
M D
M D
M D
M D
                                                                                                    M D
M D
M D
M D
                                                                                                                    SPPPPPP
UniRef90_UPI0003EC263E
UniRef90_UPI0003F13738
                                                                                                             D
D
 UniRef90_UPI0002C476E0
UniRef90_UPI000273E85A
 UniRef90_UPI000265661C
UniRef90_UPI0003288E3C
                                                                                                    MDLNCS
MDPNXS
MDPSCS
DPNCS
UniRef90_UPI0003444D75
UniRef90_UPI000441E81E
UniRef90_UPI000441E81E
UniRef90_UPI0003F0A65D
UniRef90_UPI0003F0A65D
UniRef90_UPI00035F68E
UniRef90_UPI000332FF8E
UniRef90_UPI00038E03AF
UniRef90_UPI00038F0C3B
UniRef90_UPI00038F0C3B
UniRef90_UPI0004419D51
UniRef90_UPI000445E0183
UniRef90_UPI00045E0183
UniRef90_UPI00045E0183
UniRef90_UPI00045E0183
UniRef90_UPI000383AB0D
UniRef90_UPI000383AB0D
UniRef90_UPI0003F151B7
UniRef90_UPI0003F151B7
UniRef90_UPI0001C972E8
UniRef90_UPI0001C972E8
UniRef90_UPI00017S8F84
                                                                                                                                                                                                                                                                                                                                                                                 CCCHCCC DDCCCCY
                                                                                                     M D
M D
D
M D
M D
M D
                                                                                                                   PPPPP
                                                                                                                                    CCCCCCC SRCC
                                                                                                                             NNN RNK
                                                                                                                                              M D H
D P
D P
M G P
                                                                                                                             N
N
D
K
                                                                                                                                                                                                                                                                                                                                                                                                                CYCCCCCCCCCC
                                                                                                                                                                                                                                                                                                                                                                                                                                  NGGGGGEGGGGSGG
VVMLVPMAVMVAA
                                                                                                                                                                                                                                                                                                                                                                                                                          PPPPPPPPPA
                                                                                                    M D A
M D P
M K P
M E P
                                                                                                                                      SSRSZZZSZZDZZZZ
                                                                                                                                                                                                                                                                                                     UniRef90_G1SSN8
UniRef90_UPI0002738F84
UniRef90_UPI0001D551C2
UniRef90_UPI0003315F6A
UniRef90_UPI00036B64460
UniRef90_UPI0003F08D65
UniRef90_UPI00022B5C78
UniRef90_UPI0003315517
UniRef90_UPI0003F11990
UniRef90_UPI00042C16DE
                                                                                                                                                                                                                                                                                                                      STSKTPSTTTTTPPTTTKT PTTAKTSTXTTKKTTPTTTTKTTGT
                                                                                                                                                                                                                                                                                                                                      SSSSSSSSSSTSSSATS
                                                                                                                                                                                                                                                                                                                                                     KKKKKKKKKKKKKKKKK KKKKLKKRP
                                                                                                                                                                                                                                                                                                                                                                       \bigcirc
                                                                                                                                                                                                                                                                                                                                               00000000
                                                                                                    M D
M D
M D
M D
                                                                                                                    PPPPRPPPP
                                                                                                            CCECCCCCCCCCCCCCCCC
                                                                                                                                                                                                                                                                                                                                                                                         A V E A V A A A P A A V A A T A V A M V T A S
                                                                                                                                                                                                                                                                                                                                                                                                                  COFOCOCOCOCOCOCOCOCOCO
 UniRef90_B0KWL4
UniRef90_F7IJ52
                                                                                                            D
UniRef90_ 57IJ52
UniRef90_Q6J1T3
UniRef90_UPI0003AFA7C7
UniRef90_UPI0003AFA7C7
UniRef90_L9KU08
UniRef90_L9KU08
UniRef90_Q708T3
UniRef90_UPI00035020C5
UniRef90_UPI0003E05C46
UniRef90_UPI00038403B4
UniRef90_UPI00038403B4
UniRef90_UPI00038403B4
UniRef90_B5XDS4
UniRef90_B6XDS4
UniRef90_B7G1U2
UniRef90_B7Q163
UniRef90_UPI0004573FB8
UniRef90_UPI0004573FB8
UniRef90_UPI0004573FB8
UniRef90_UPI0004573FB8
UniRef90_UPI0004573FB8
UniRef90_UPI0004573FB8
UniRef90_UPI0004573FB8
UniRef90_UPI0004573FB8
UniRef90_UPI00045533UniRef90_UPI000440A253
UniRef90_UPI0004440A253
UniRef90_UPI000445406E
                                                                                                    MDPNCSCS
                                                                                                                                                     C P T G
S L L G
C A T G
C S T S
                                                                                                    MDPECP
S
MDPDCA
DPNCS
                                                                                                                                                                                                                                                                                                                                      SSSTSSKSXSGSSSSSSSSSSSSSSSSS
                                                                                                                                                                                                                                                                                                                                               CCC
                                                                                                                                            SCAT
LSLS
DCSK
CPQ
                                                                                                    MDPNC
PHF
MDPC
                                                                                                                                                                                GGTGG
                                                                                                                                                                                                                                                                                                                                               CCCCXCCCCSCCCCCYYCCCCCC
                                                                                                     MDPSCS
                                                                                                    M D P D A M D P M D P M D P M D P
                                                                                                                             NNHQQ 1
                                                                                                                                                     SGGGGTGHGGG
                                                                                                                                              SSSTNES
                                                                                                                                                                                                                                                                                                                                                                                                 S
S
S
                                                                                                                                                                                                                                                                                                                                                                        55555555555
                                                                                                                                                                                                                                                                                                                                                                KKKKKKKKKKKKKKKKKKK
                                                                                                                                                                                                                                                                                                                                                                                 CCCECECCCC
                                                                                                                                                                                                                                                                                                                                                                                        SSS FASSSS
UniRef90_H3BUC6
UniRef90_UPI0004541C9F
                                                                                                                                                                                                                                                                                                                                                                                                         R C
A F
C C
C C
C C
                                                                                                   M D P N C
M D P N S
M D P K D
                                                                                                                                                                                                                                          G
                                                                                                                                               S
S
C
UniRef90_L8IAY7
UniRef90_UPI0001D36087
                                                                                                                                                                                                                                                                                                                                                                                                                                  V G
A G
A G
V G
                                                                                                                                                                                                                                                                                                                                                                                                                          P
P
P
S
                                                                                                                                                                                                                                   AAATSKATA
                                                                                                                                                                                                                 STMTTNSGT
                                                                                                                                                                                                GGSSSGGGG
 UniRef90_N0DWZ6
UniRef90_UPI0002738F86
                                                                                                                                                                                         999999999
                                                                                                                                                                                                                         000000000
                                                                                                                                                     A
C A T
C V S
C S E
C P T
UniRef90_H9KXN7
UniRef90_H9KWX1
                                                                                                                                                                                9999999
                                                                                                    MDPNCS
DAPCT
MDPECP
                                                                                                                                                                                                                                                                                                                                                                       SSSSSGFS
 UniRef90_UPI0004625F67
                                                                                                                                                                                                                                                                                                                                                                                 CCCCCRCC
                                                                                                                                                                                                                                                                                                                                                                                         000000
                                                                                                                                                                                                                                                                                                                                                                                                 SSSSFS
                                                                                                                                                                                                                                                                                                                                                                                                                                           GDEGGSD
 UniRef90_K4FSB9
 UniRef90_I3LQ45
UniRef90_K7G1T0
                                                                                                     MDPNYSCT
 UniRef90 Q86YX6
UniRef90_UPI00045DFCAD
UniRef90_U4LDM5
UniRef90_H9KVJ5
                                                                                                    CRHSGPCANDSTCKCVRMDPNCSCAAGVSCTCASSCK
                                                                                                                                                                                                                                                                                                    QHVT
CTHT
```

s

									_									00
QUERY	С					Q			l C		Έ						C	60 <mark>C</mark> A
UniRef90_F6PZV7	C	A A	K			Q			V	K	G	Ā	Ļ	E	K (S		C C A
UniRef90_UPI00046B4349 UniRef90_UPI00042C8432	CC	A		C	A	Q	G	C V	V C		Ğ		ŀ	ח	K (CA
UniRef90_UPI0003288923	C	Α	Κ	С	Α	Q	Ğ١	C	l C	K	G	D	S	D	K (C S	C	C
UniRef90_F6PZW8 UniRef90_UPI00027FBC12	CC		K N	C	Ā	Q	G	Y \	V <mark>C</mark>	K	G	A	S	Ē	T		CC	C C A
UniRef90_UPI00027FBC12	C					Q					G							S A
UniRef90_UPI00033195D2	C	Α	Κ	C	Α	K	G١	C۱	V C	CK	G	Α	S	D	K (C S	C	C A
UniRef90_UPI00027FB3D1		V				Q			V		G		S	K	K	S		C A
UniRef90_UPI00045DB9D8 UniRef90_UPI000444559B	C					Q			V C	r n	G	A	S	N	K	C N		C A C A
UniRef90_G1QP37	Č	Α	Κ	С	Α	Q	G١	C۱	V C	CK	G	Τ	S	Ε	K (C S	C	C A
UniRef90_UPI0003F15E73	C	A V				gg				K	G	Ď	S	D	K I		G	C A
UniRef90_UPI0003F0F678 UniRef90_UPI0003EC263E		A		C	A	Q	G	C			G	T	S	D	Q		С	С
UniRef90_UPI0003F13738	C	Α	Κ	C	Α	Q	G١	C	ΙY	/ K	Έ	Α	S	D	Τ,	Y S	C	C A
UniRef90_UPI0002C476E0 UniRef90_UPI000273E85A	CC	Ā	K	C	A	R	G	Č.		K	Ē	Ģ	Ş	Ď	K (CS SS		C S C A
UniRef90_UPI000273E65A						Q												CA
UniRef90_UPI0003288E3C	W	Α	Κ	С	Α	Q	G`	Υ۱	V C	CK	ίG	Α	S					
UniRef90_UPI0003444D75 UniRef90_UPI000441E81E		A				Q				K	Ē	A	W	D	K (C R G S	C	C A C A
UniRef90_UPI0003F0A65D	Ċ					Q i		Ϋ́	\tilde{V}	CK	G	Α	S	Е	K (CN	C	C S
UniRef90_UPI00026561C2	C	Α	Κ	С	Α	Q	G١	C	l C	CK	ίG	Α	S	Е	K (C S	R	
UniRef90_UPI000332FF8E UniRef90_UPI00046B629C	C	Α	K	R	Α	Q	G	C	A F	₹ K	ζĒ	JA A	S	N	K	ک و	С	C
UniRef90_UPI0003EE03AF	Ÿ	Т	Κ	С	Α	Q (G١	C	L C	CK	X	Α	L	D	K (CN	D	
UniRef90_UPI00038F0C3B	C	A	K	С	Α	Q	G١	C۱	V) G	Ą	Š	D	K	S		C A
UniRef90_P02802 UniRef90 UPI0004419D51	CC	S T	K	C	A	Q	ا نی	ر د	V <mark>C</mark> V Y	K ارلا	. G	A	A	F	K (CS		C A C A
UniRef90_UPI00045E0183	L	Α	S	G	٠,	× '	<u>ا</u> پ		'	٠ '	. J	٠,	J	_		_ 0	<u> </u>	<u>,</u> , \
UniRef90_UPI00045E0183	L	A	S	G			<u> </u>	<u> </u>		.	, _	^		_		2 0	_	_
UniRef90_UPI00046B41E0 UniRef90_UPI000383AB0D	C					Q			V C		ιG R						C	C A
UniRef90_UPI0002C62442	C	Â	Ř	C	Α	Q.	T (CI		CK	ίG	Α	S	D	K (C S	C	CA
UniRef90_L5M4N0	_			G	L	Q	G١	C	l C	CK	ίG	Α	S	D	ΚI	ЯS	C	_
UniRef90_G5C6A6 UniRef90 UPI0003F151B7	C	Α Δ	K	C	A	Q	G	C		ا k	Ę	A	S	ח	KI	N [C G		C A
UniRef90_UPI00042C4E25	č	A	ĸ	Ř	Ť	Ĥ	Ğ	č	v <mark>č</mark>	T	À	À	Ľ	Ď	ĸ	S N	R	Č (
UniRef90_UPI0001C972E8	C															S		<u> </u>
UniRef90_G1SSN8 UniRef90 UPI0002738F84	CC	V		C		Q (F			۲ ۲	G	А	S N	D	K	S G G		C C
UniRef90_UPI0001D551C2	C	Α	Κ	C	Α	Q	G١	С	VF	R K	G	Т	S	D	R			_
UniRef90_UPI0003315F6A	C	Ā		C	Ā	Q	G	Č/	V	K	Ğ	Ā	Ş	D	K			C A
UniRef90_UPI00046B4460 UniRef90_UPI0003F08D65	_	A				Q			V <mark>(</mark>		Œ						_	C C S
UniRef90_UPI00022B5C78	C	Α	Κ	C	Α	Q	G١	C۱	V C	CK	Έ	Р	S	D	K (C S	C	C A
UniRef90_UPI0003315517 UniRef90_UPI0003F11990		A				Q			V <mark>(</mark>		G					S		Ç ,
UniRef90_0P10003F11990 UniRef90_S9WMZ9	С	А	n	U	А	Q	G	U [I		n ر	· A	А	3	U	n ı	S	ĭ	C A
UniRef90_UPI00042C16DE									V C									C S
UniRef90_B0KWL4	C L	A	K	C	Α	Q (G (C /	A C	T	G	Α	S	Е	K (S	C	C
UniRef90_F7IJ52 UniRef90_Q6J1T3	C	Ť	N	C	Α	N (G (С	V C	K	G	Α	s	D	K (c s	C	C S
UniRef90_UPI0003AFA7C7	C	Α	Κ	C	Α	0	G	CI	ıc	CK	G	Α	S	D	K (c s	C	C A
UniRef90_L9KU08 UniRef90 L9KU08	C	Α	K	C	Α	Q	G	C		K	G	Α	S	D	K	S	CC	C
UniRef90_E3R600	C	Q	Κ	C	Α	ΚI	D١	C۱	V IC	CK	G	Ε	Α	Е	K (c s	C	С
UniRef90_UPI00035020C5	C	Α	K	C	Α	R (G١	CII	l C	C K	G	G	S	D	K (C S	C	C
UniRef90_Q708T3 UniRef90_UPI0002C57C46	C	Α	K	0	Α	K :	S		V	K	, E	Ρ	5	ח	K	5	Č	C A
UniRef90_UPI00038403B4	C	Α	Κ	C	Α	Q (G١	CI	l C	CK	ίG	Α	S	D	K (CR	С	ΗА
UniRef90_U3EQ03	C	K	K	C	A	K	D	C /	V C	CK	ίG	G	Α	Е	K (C S	C	С
UniRef90_G1MQI4 UniRef90_B5XDS4	C	N S	N	C	Α	S	G		V C	۲ K	G	K	5	C	K (, S T S	CC	č
UniRef90_K7G1U2	C	Ν	Ν	C	Т	Κ	G١	č	v c	K	Ď	Ä	s	Š	κ	S	č	č
UniRef90_G7Q163	C	Α	Κ	R	Α	Q (G											
UniRef90_UPI0004573FB8 UniRef90_UPI00026565A9	C	V A	K	C	A	0	G	C \	V C	, K	G	K M	t	ח	K) S	C	C A C A
UniRef90_UPI00029DB31C	C	Α	Κ	C	Α	0	G	C	GC	C K	G	Α	S	F	K (C S	C	C A
UniRef90_UPI00046BC433	G	Α	Ţ	G	Ā	Q	C	Y		K	(_	_	_	L (S	CC	<u>Č</u> S
UniRef90_H2ZRN7 UniRef90_F7FQQ6	C	S T	K	C	A	0	G	C \	V C	, n , k	G	÷	S T	ח	K	S N	C	U
UniRef90_UPI000440A253	č	s	ĸ	Č	Ä	ŝ	Ğ	Č۱	v C	K	Ğ	N	Ť	C	D :	SS	C	C
UniRef90_H3BUC6																		
UniRef90_UPI0004541C9F UniRef90_L8IAY7	C	5	ĸ	U	5	Q	A	U I	N	<u>ر</u>	. =	А	5	D	K (<u>,</u> 5	Y	C A
UniRef90_UPI0001D36087	C	Α	S	C	Α	Q	G (CI	C	K	G	Α	L	Ε	K (S	S	C A
UniRef90_N0DWZ6	C	Ď	K	C	Ģ	Q	G	C/	V	K	Ģ	G	Ş	Ē	K	S	CC	C
UniRef90_UPI0002738F86 UniRef90 H9KXN7	C	Α	Ŋ	C	A	Q	G	č	V	K	G	V	s	E	S (R	y S Y S	C	C A
UniRef90_H9KWX1																		
UniRef90_UPI0004625F67	C	S	K	C	A	Q	G	Cli	\ <u>\</u>	K	Ğ	P	Ļ	A	K	S	F C	C
UniRef90_K4FSB9 UniRef90_I3LQ45	C	S F	ĸ	C	A	ų ι K	D	č	V C	K	(A	F	S F	E	Κ	2 5	C	č
UniRef90_K7G1T0	č	s	Ń	č	Α	K	s (č١	v C	K	Έ	Ā	s	D	Κ̈́	S	C	Č
UniRef90_Q86YX6																		
UniRef90_UPI00045DFCAD UniRef90_U4LDM5	C	P	R	R	W	R	G	C S	S	K	ίA	S	S	D	K		č	U
UniRef90_H9KVJ5	Č	Α	N	C	A	Q	Ğ	Č [V)		_	_	_		- (-		

1 10 20 30 40

lupas_21 lupas_14 lupas_28 jnet conf sol25 sol5 sol0 jhmm jpssm

50 60

lupas_21 lupas_14 lupas_28 jnet conf sol25 sol5 sol0 jhmm jpssm