 UniRef90-UPI000234F425 UniRef90 A0A010RBQ5 UniRef90_S7PLY2 UniRef90-G7IL87 UniRef90_B6QQG9 UniRef90_K4FT13 UniRef90-M2NGT6 UniRef90_F4X8N7 UniRef90_D7SRB0 UniRef90_U31HC3
UniRef90-W5J465 UniRef90-L7MKY7 UniRef90-W5M946 UniRef90-B3RIF7 UniRef90-H3BDAO UniRef90_A7E4B6 UniRef90-K7J2L4 UniRef90_UPI000398FE70 UniRet90_A0A022R5A0 UniRef90-UPI0004436487 UniRef90-E9BZM1 UniRef90_G3PSK4 UniRef90-G7E6P5 UniRef90-A7S8G0 UniRef90-W4YBVO UniRef90-R7YY78 UniRef90_UPIO0021A79E4 UniRef90-J3SE81
UniRef90-D2A452 UniRef90-V4V6M9 UniRef90-UPIO002659BE3 UniRef90-M4EBK5 UniRef90_W8CBP8 UniRef90_F7W530 UniRef90-J4UIQ3
UniRef90 UniRef90-D2DSU4 UniRef90-B3M0X7 UniRef90-111U51 UniRef90_U1GGJ7 UniRef90_UPIO00359447E UniRef90_G3VHY9 UniRef90-B1PT28 UniRef90-R4WR89 UniRef90-W5U9C0 UniRef90-H2XVV1 UniRef90-G6CHU6 UniRef90_UPIO002A4AC67 UniRef90_E2C3Y6 UniRef90_R4XH00
UniRef90_W1QK17 UniRef90-Q6BS30 UniRef90_UPI000258D92E UniRef90_R7USS6 UniRef90-T1KWV3 UniRef90-N1JEP0 UniRef90_U4LRL7 UniRef90-Q81918
UniRef90_UPI0003C28E33
UniRef90-S7ZSV3
UniRef90-T1JJMO
UniRef90-K1 K 5 M 6
UniRef90-R7S3Y8
UniRef90-B5X8B1
UniRef90-UPI0001CBAF22
UniRef90_G8JTT8
UniRef90-B5X7W9
UniRef90-KORPH4
UniRef90_UPIO0044085A5
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UniRef90-A8J8N9
UniRef90_UPI000455F050
UniRef90-B7PEW1
UniRef90_W5PCC9
UniRef90-M7WYE0
UniRef90-UPIO003331665
UniRef90_T1GK42

UniRef90_UPI0002C30005

LVDPLT TVRE QCE QLE K CVK A RERLELCDERVSSRS QTEE L V D P L T TVVREHCE QTEKCVVKAREKLVELCNARVVARS HTQE $V \operatorname{V}$

 $D D G P A L E E D C A N S T V C A P F K H H F D E C V E R V V A Q E E G K E$

$\checkmark V$ D P KVKL E E DCMRSQ $\square V D P$ K K Y L
 LV $\operatorname{V}$ D P Q Q A V L L R E K C E A Q H G K C T P A A L W E R L

 $\square V D P K D K L E E E C K E S A A C A P S K H H Y D E C D E R V T S G K E P G E$


 LKDP LD TVREYCEQMEKCMKAREKLEDCADRVNSRSHTEE D P K T A I D E K C A E T A H CAA H A R K E L E E E C T Q R V E G N P D T K E D P L E T L RVD P A DEI KEKCKSSS | $\mathrm{L} V$ | D |
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| V | D |



## $\checkmark$

| $R$ | $D$ | $K$ | $R$ | $R$ |
| :--- | :--- | :--- | :--- | :--- |
| $K$ | $P$ | $R$ | $L$ |  |

LIDPAPRLEEECAHSK

$L \vee D P Q Q Q L R D K C N E T E$
I ADPKKYL E E A C K
P K CVK S L I E Y E A CVK RIVEA D DT G S K LV D P QT T L R EKCCREEPKCAAFKEKWDACETRVVRSRKKTAE


PKETLEEECRNSKECAPAKHHYDECVARVTGGTGAEE V D P K D T L E E E CKK Q S K Q CA GP K H H F D D C V A R V E G E G E A K E


 V DP KPKMEAECAKSAQCAPYKHHYDECVERVVAMKGPKE LI D P QDTLKESCSEKRECVTLKEKLDECNARVEGRSKTSE
 L V D P L E S L K E N C G N S K E CIVE Y K E R L A Q C N D R V N S R S K T T E SQS T T$\square V D P D L E T V R$ V D P A V E I R E K C T Q T K E CAA L L E K F N A C N E R V S S K S A T T E LVD P Q Q AL R DECSQKQEAQS FWTKYQECNNRVNSKSNNTE $\square V D P D L A D V R Q K C E A S E H C V I H A Q A R L D E Q C E T R R V G S R S A T T D E$ LVDQQQVLRDKCSKEAKCHSLQEKLLTCNDRVNSRSNTEE QKPAIVEACESSKACAPLKHHFDECQERHGGDDEHHE Vid P LD T L LVDHQKRLREKCSQQAKCVKMQERLTTCNDRVNSASETEE

 PKEVLEEECKNSPSCSPAKHHFEDCVERVTGAQEGTE D P MPA L L E ECEEKTAACAPAKHHFDECCVERVVTAAK GPKE $M V D P Q N Q L R E V C S Q K S D A Q N L W S K Y Q E C N D R V N S R S Q T T E$


 $\begin{array}{ll}D & \text { DHP G L R R E C C Q Q S A K C A P L T Q H F L H C Q }\end{array}$ D PI DVVRREECSSSLSECCQKLRKTELLEVVCNERVVNSRSNTEE VTD QLA ALQ E ECK QADA GKPLVVHHYMECVERVVQKA QEEKE
 V D P KETLEAECREAKECAAPKHHFDECVERVTAKGGAKE MVT L R E E CKE S GA CVK F S Q H F E HCCRE KV E GQ GF K G E
PKETFEEECRNSKECSPAKHHFEECVERVVNGSQ VVNP Q DEVEESSCK PQCVKA WLE Y QA CAERVVEKDES GEA K EKL EKECAESKQCHGPKHHYDECVERVTGQGKASE VD P R P A I E E S CK
 P K T KL E E E CVVESKQCAGPKHHYDDCVARVTAEGGAKE VDHRPDLE EACK PKCQKFIEAYEACQTRIEKDATGEA


 | $L V$ | $D$ | $P$ | $D$ | $A$ | $R$ | $R$ | $K$ | $C$ | $R$ |
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| $L$ | $A$ | $D$ | $T$ | $L$ | $T$ | $T$ | $M$ | $R$ | $C$ |

 F VDP P T TVVQEQCK Q $\square K K$ SVVKDWERLVEVCDECVVSSRSTQTQK


| QUERY DCTEELLDFLHARDHCVAHKLFNSLK |  |
| :---: | :---: |
| O-K4C |  |
|  |  |
| UniRef90 UP1000234F425 | HCTGQYFDYLSCIDKCVAPKLFEKLK |
| UniRef90-A0A010RBQ5 DCVEEFFHLAHCATQCAAPKLWAKLK |  |
| UniRef90-G7L $87 \quad \mathrm{HCTGQYFDYWYCVDKCVAPKLFTKLK}$ |  |
|  |  |
| UniRef90- ${ }^{\text {B60 }}$ | DCVEEFFHLQHCATQCAAPKLWKSLR |
| , |  |
| UniRet90-M2NGT6 | - |
| UniRef90-F4X8N7UniRefo-D7SRB0 |  |
|  |  |
|  | QCTEELFDFLHARDHCVAHKLFT |
| UniRef90-W5J465 TCVEELFDYLHELDHCVSKTLFSKLK |  |
|  | EDFLHCVD |
| UniRef90-W5M946 ECM | ECTEELFDFLHARDHCVAHKAFKMIK |
| UniRet90-B3RIF |  |
|  |  |
|  |  |
|  | CVEEVIDYMSCПDHCAAKTLFH |
|  |  |
| UniRe90-A0A022R5A0 HCTGQYFDYWRCVDKCAASKLFSHLK |  |
| UniRef90-UP1000 |  |
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| UniRef90-A7S8G0 TCAQEL LD FMHCRDHCVSKSLFNKLK |  |
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| iRef90-UP10002659BE3 TCSEELID FIQ CVD H CVAPELFKHLK |  |
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| M4E |  |
| TCMEELFDYVTELDHCASHHLFSKLK |  |
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| iRef90-D2DSU4 ${ }^{\text {a }}$ T CSEELFDYLHRVDHCLTESLFKKLK |  |
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| Ref90-H2XVV1 |  |
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| UPC3Y64AC67 D CoE el |  |
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| UniRef90-W1QK17UniRef90 ${ }^{\text {O6BS30 }}$ |  |
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| UniRef90-UP1000258D92E NCLE ELID Y V E CVD C C S E K L F SLL K |  |
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| $\begin{aligned} & \text { UniRef90-T1KWV3 } \\ & \text { UniRef90 D5A8E2 } \end{aligned}$ |  |
|  |  |
| UniRef90-N1JEPOUniRet90 U4LRL7 |  |
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| UniRef90-S7ZSV3 ${ }^{\text {d C V }}$ ( ELFFHLTHCATACAAPKLWRQLK |  |
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| UniRef90-KJXK2 |  |
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| UniRef90-KORPH4 |  |
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| UniRef90-UPI0004 |  |
| UniRef90-FOXLL1 |  |
|  |  |
| UniRef90-E5A9L1 DCVEEFFHLAHCATQCAAPK |  |
|  |  |
| UniRef90_C9ST27 |  |
| UniRef90-C1E9B7 |  |
| UniRef90-T2MHQ4 |  |
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| UniRef90-B7PEW1 |  |
|  |  |
| UniRet90-W5PCC9 |  |
| UniRef90-MPWY0 |  |
| UniRef90_UPloo03331665 |  |
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UniRef90_W2s3w4 UniRef90-M0U4Q3 UniRef90_C1G461 UniRef90_B8LVZ5 UniRef90-V5FYC1 UniRef90-EOVJ93 UniRef90 H3CMC5 UniRef90_B8P6L3 UniRef90-A9RFB3 UniRef90-UPI00042B3805 UniRef90-M1WCA5 UniRef90-I2K440 UniRef90-G3AQM4 UniRef90_A9V0D7 UniRef90-J9JVV4
UniRef90 Q5KF04 UniRef90_M5G462 UniRef90-B6JY31 UniRef90_J3NFY3 UniRef90-GOVFJ1 UniRef90-M2Z5K2 UniRef90-U9T6Z0 UniRef90-M2Y2F8 UniRef90_UPI00034F288D UniRef90-UPIO00456139F UniRef90_M2QSZ2 UniRef90_S3D3G7 UniRef90_C5DWL1
UniRef90 S8AME4 UniRef90-A0A017S6D2 UniRef90_G1X505 UniRef90-G8Y8C8 UniRef90_10YXH7 UniRef90_Q6CQM0 UniRef90-K8EU60 UniRef90-R9XBR5 UniRef90-F2QNU0 UniRef90-B6U556 UniRef90_M1VBJ6 UniRef90-E6ZSY4
UniRef90 Q0MVT5 UniRef90-F2UD36 UniRef90_UPI00039454A1 UniRef90-A8XZM2 UniRef90_B3GUT1 UniRef90-Q27345 UniRef90-D8QBK9 UniRef90-A3GHE9 UniRef90-M7P3S7 UniRef90-T1EG56
UniRef90 F4RP29 UniRef90-F4RP29
UniRef90 K3WT29 UniRef90-U6K281 UniRef90-K4CV63 UniRef90-J7RCY3 UniRef90_S9PUV8 UniRef90-KOKWT4
UniRef90 H2AY79 UniRef90-H2AY79 UniRet90_UPIO00462181D UniRef90_M5C6Y3
UniRef90_U5H4H2 UniRef90-E5RYZ6 UniRef90-V2XUC9 UniRef90_G8ZZS2
UniRef90 S8E9J6 UniRef90_I2H9V0 UniRef90_L2FVD5 UniRef90-I1EHT9 UniRef90-FOVA53 UniRef90_B2AR99 UniRef90-Q8ILJ5 UniRef90_11C2H2 UniRef90_M4EDC0 UniRef90-KOKTV8 UniRef90-K1VIH9 UniRef90_UPI0003F4A024 UniRef90-A0A024UAI9 UniRef90_P00127 UniRef90-U6NQE4 UniRef90-A9U434
UniRef90 C5LOW9 UniRef90-L8H1V3 UniRef90-T0R4L1

PVDAVREGCAS
A A RECEKNA
A REECEKNA CAEHVHHFAHCQEKVEGEGFPGE DPMPA REECANTKHCLPAKREFEHCEKKVNEGSRPHE LVDPLEHFTEVCMNSPQCVHEKEVFDECVARVTKEGDTSE

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VDPK

D\|LP QLQE
$\qquad$
LP QLL Q E E
E P E C DK QLDK YQQCVVKR EGK P


D QL DVL REECRNSVEAKP LVMHYMECVERVQADLDYQE
VD Q K N V
VD P K V A I R E E C E N S S H I A A H L K H H F F E H C N E KV E G E G F Q G E
 P Q C $\square R$ QL I E Y
$\checkmark V D C Q L T Q F R E R C A$
Q $\square E$ VVDPLVALREE AKGSS GHCP QLLKA ELDE K CAA A RVVSSRSNTME


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VDVMPC I R R D E C T E T
$L \vee D P K K K L A P$




## E V

PKCAD SF QK Y E A CVVQRVVAAK GVVGA

L VDP R Q KL E P

D P L E K M T Q E CMDA P
D P R DE LEKKCAV
T K C S R WV H E Y S A
EGEELKHHYLDECTRRII E GDES GS K



ECAPAKHHFDA

E ECCSA P V N N E Y Q N

D P K A L L E D R S K A K CVVY Q WY E Y Q K CVVK R I E D D E T G Q K
 D QLEDLREHFKNTEEGKA LVHHYEECAERVKDQQEHKE
 VID P R T D ML P K C A A A E C S E WL T E Y N A C V V Q R I K M R T D GR G


| UniRef90 W2S3W4 | DCVEEFFHLQHCAAQCAAPKLFKQLK |
| :---: | :---: |
| UniRef90-M0U4Q3 | HCTGQYFDYWMCDDNCVVPKVFDK |
| UniRef90-C1G461 | DCVEEFFHLQHCSTQCAAPKLFRVLK |
| UniRef90-W6MPX1 | DCVEEFFHLQHC $\square$ NDCS $\mathrm{V}^{\text {P K K L F Y KL K }}$ |
| UniRef90-B8LVZ5 | DCVEEFFHLQHCATQCAAPQLWKSLR |
| UniRef90-V5FYC1 | DCVEEFFHLQHCATQCAAPKLWR |
| UniRef90-E0VJ93 | S CHEEMDDFVNCLDHCVSKDLFSKLK |
| UniRef90-B9T2G8 | HCTGQYFDYLSCVD |
| UniRef90-H3CMC5 | DCTEELFDFLHARDHCVAHKLFHSVK |
| UniRef90-B8P6L3 | DCTEEYTDLLHERGSCVAPKLFAKLK |
| UniRef90-A9RFB3 | HCTGQYFDYWGCID K CTAPKLFRKLK |
| UniRef90_UPI00042B3805 | HCTGQYFDYWTCVDKCVAPKLFAKLK |
| UniRef90-M1WCA5 | DCVEEFFHLTHCASTCAASKLWSKLR |
| UniRef90-12K440 | DCVEEFFHLQQCVNKCAAPKLFS |
| UniRef90-G3AQM | DCVEEFFHLQHCVNDC |
| UniRef90-A9V0D7 | TCVQELFDFLHCVDHCVSQKLFKQLK |
| UniRef90- 99 JVV 4 | TCVEEFWDFLEVVDKCVAKDLFDHLK |
| UniRef90-Q5KF04 | DCVEEFFHTLHCVDAC |
| UniRef90-M5G462 | DCVEEFYSLMHCVDNCSAPKLFSKLR |
| UniRef90-B6JY31 | NCIEEFFHLYKCARNCAMPKAFAELK |
| UniRef90-J3NFY3 | ECVEEFFHLAHCATQCAAPKLWSVLK |
| UniRef90-G0VFJ1 | DCVEEFFHLQHYLDSCASPRLFDKLK |
| UniRef90-R1GVR7 | DCVEEFFHLAHCATQCAAPKLFASLK |
| UniRef90-M2Z5K2 | DCVEEFFHMMHCATQCAAPKLFKQLR |
| UniRef90-U9T6Z0 |  |
| UniRef90-M2Y2F8 | HCTGQYLDFWRCVDHCAAKKI |
| UniRef90-UPI00034F288D | ECTE ELFDFLHARDHCVSNR |
| UniRef90-UPI000456139F | NCDEEFFHFSHCAQDCAAPKLFAK |
| UniRef90-M2QSZ2 | DCI E ELYVMMHCVDDCVAP |
| UniRef90-S3D3G7 | DCVEEFFHLAHCANECAAPKVWAALK |
| UniRef90-C5DWL1 | DCVEEFFHLTHYVDNCAAPRLFSK |
| UniRef90_S8AME4 | S CVEEYFHLMHCAGDCVAPKLWA |
| UniRef90-A0A017S6D2 | D CVEEFFHLTHCATQCAAPKLFKALK |
| UniRef90-G1×505 | S CVEEEYFHLMHCTGDCVAPKLWAKLK |
| UniRef90_G8Y8C8 | DCVEEFFHLQHC $\square$ NDCAAPRLFYKLK |
| UniRef90-R7RVQ9 | T CVEEMFLLMHCADNCLAPKL |
| UniRef90_IOYXH7 | HCTGQYFDYWHCVDHCTAPRLFSVLK |
| UniRef90_Q6CQM0 | D CVEEFFHLLAHFVDECA |
| UniRef90-K8EU60 | HCTGQYF DFWSCVDHCA |
| UniRef90-R9XBR5 | DCVEEFFHLQHYLDS CAAPKLFHKLK |
| UniRef90_F2QNU0 | DCVEEFFHLEHCINDCA |
| UniRef90-B6U556 | HCTGQYFDYWS CVDKCVS |
| UniRef90-14Y9E1 | TCAEE】HSFLHAVDDCS |
| UniRef90-M1VBJ6 | HCTGQYLDFWRCIDLCVASK |
| UniRef90-E6ZSY4 | NCDEEFFHLAHCAQECTAPKLFSKL |
| UniRef90-Q0MVT5 | S CEEELIDLIQCVDKCVGPKLFAVLK |
| UniRef90-F2UD36 | TCTQELFDFLHCVDHCVSE |
| UniRef90_UPI00039454A1 | QCTEELFDFLHARDHCVAHKLFSKLK |
| UniRef90-A8XZM2 | T CHQEMADYVHHLDHCAMPKAFASLK |
| UniRef90-B3GUT1 | S CEEELDDLLGCVDHEVA |
| UniRef90-D8LEI8 | T CEPWFFDYI S CVDKCAAPKIMKATK |
| UniRef90_Q27345 | SCHYEMVDYI Q ALD HCAMPKVFATLKK |
| UniRef90-D8QBK9 | DCVEELFHMMHCI DDCAA |
| UniRef90_A3GHE9 | DCIEEFFHLQHCI NDCVAPRLFHKLK |
| UniRef90-M7P3S7 | NCVEEMFHMMHCI GNCSAGRI F S K L K |
| UniRef90-T1EG56 | TCTQEDFDFDHCVDHCVC |
| UniRef90-F4RP29 | DCVEEMFHLMHCVDGCA |
| UniRef90-K3WT29 | CDGQYFDFLHCID K C S |
| UniRef90-U6K281 | NCAGQFEELQTCVDRCVAK |
| UniRef90-K4CV63 | HCTGQYFDYWQCI DKCVAPKLFEKLK |
| UniRef90-J7RCY3 | DCIEEFFHLQHYLDS CASPRLFSNLK |
| UniRef90-S9PUV8 | DCLEEFFHLYHCARDCADP |
| UniRef90_K0KWT4 | D CVEEFFHLQHCVNDCTAPRLFYKLK |
| UniRef90-H2AY79 | DCVEEFFHLQHYLDGC |
| UniRef90-UPI000462181D | DCVEEF LMHCVNGCT |
| UniRef90-M5C6Y3 | D CVEEF L M H CVV N CVAP K L F S K R |
| UniRef90-U5H4H2 | NCVEELFHLMHCVEDCAAPKLFAKLK |
| UniRef90-E5RYZ6 | NCHDEV $\mathrm{C}^{\text {CMMRCVD }}$ M C |
| UniRef90-V2XUC9 | DCVEELCTMMHCADECAAPKLFAKLR |
| UniRef90-G8ZZS2 | D CVEEFFHLQHYLDSCAAPRLF |
| UniRef90-S8E9J6 | DCVEEF MMHCVDGCVAPKLF |
| UniRef90-12H9V0 | DCIQEFFHLQHYLDSCAAPKLFSKLK |
| UniRef90_L2FVD5 | DCVEEFFHLAHCATQCAAPKL W |
| UniRef90-11EHT9 |  |
| UniRef90-FOVA53 | NCSGQYEELHVCld R CVA K Di F K Y K K |
| UniRef90-B2AR99 | DCVEEFFHLAHCATACAAPKLWSVLK |
| UniRef90-O42932 | DCIEEFFHLYHCARDCADPKVFKVL |
| UniRef90_Q8ILJ5 |  |
| UniRef90-11C2H2 | NCVEEFFHFMHCADECAAPKI FAATK |
| UniRef90-M4EDC0 | HCTGQYFDYWHClD K CVAPKLFAKLK |
| UniRef90-K0KTV8 | DCVEEFFHLQHHINDCVAPRLFHHLK |
| UniRef90-K1VIH9 | DCVEEMFHMMHCVDAC |
| UniRef90-I1P134 | HCTGQYFDYWKCVDKCVAEKLFDSLK |
| UniRef90-UPI0003F4A024 | DCVEELF HLMMCVDACAAPKV |
| UniRef90-A0A024UAIS | CDGQYFDYLKCI DKCSVPQI F K H L K |
| UniRef90-P00127 | DCVEEFFHLQHYLDTATAPRLFDKLK |
| UniRef90-U6NQE4 | T CNQEMFDFVKHVDRCADRKAFASLK |
| UniRef90-A9U434 | HCTGQYFDYWGCIDQC |
| UniRef90-C5LOW9 | NCQGQYEEFAMCQDHCIAHELFHYLK |
| UniRef90-L8H1V3 | QCS GQYFEYWHCVDALVANDLFKR |
| UniRef90-T0R4L1 | CDGQYFDLLKCVDKCAAPQIFKHLK |
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| UniRef90_A3E315 <br> UniRef90- A0A022TXA |
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| UniRef90 C6HIX8 |
| UniRef90- 44 TT |
| UniRef90-R1EE |
| UniRef90 ${ }^{-}$W2SQE6 |
| UniRef90-W3WKQ0 |
| UniRef90-B0DXR3 |
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| UniRef90'F4NZW2 |
| UniRef90-C1BSF9 |
| UniRef90-R7T0A8 |
| UniRef90-R1G799 |
| UniRef90-M1AT50 |
| UniRef90-C3YT20 |
| UniRef90-G71L88 |
| UniRef90-J91K |
| UniRef90 ${ }^{\text {F9FL61 }}$ |
| UniRef90-178661 |
| UniRef90-LOB071 |
| UniRef90-F0XZK5 |
| UniRef90-G8BQT6 |
| UniRef90-V8P6Y8 |
| UniRef90-J4GNY0 |
| UniRef90-K1QKV1 |
| UniRef90-A4HJP6 |
| UniRet90-D8REE7 |
| UniRef90 J3Q |
| UniRef90-A0A024JB27 |
| UniRef90-R1EIC8 |
| UniRef90'K2RSW0 |
| UniRef90-J4DQB6 |
| UniRet90-Q6COH4 |
| UniRet90-K2RT77 |
| UniRef90-A7ATA9 |
| UniRef90-A8NHW4 |
| UniRef90-E4XPU7 |
| UniRef90-L8WL95 |
| UniRef90- S709M6 |
| UniRef90-C5DH19 |
| UniRef90-L7ILD2 |
| UniRef90-K9HXQ5 |
| UniRef90-V4KL97 |
| UniRef90-A7TQR0 |
| UniRef90-Gow |
| UniRef90-V5GW57 |
| UniRef90 V9DJC9 |
| UniRet90-A4S103 |
| UniRef90-Q4U9W4 |
| UniRef90- F7HU11 |
| UniRef90- ${ }^{\text {S9TIS4 }}$ |
| UniRef90_R9P705 |
| UniRef90-A0AO |
| UniRef90-G6DNH0 |
| UniRef90-FOZKM7 |
| UniRef90-JoCVY4 |
| UniRef90 Q1ZXP3 |
| UniRee90 ${ }^{\text {M }}$ M 4 B7W7 |
| UniRef90 F4 |
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| UniRef90- A0CBT7 |
| UniRef90 G3JH |
| UniRef90 ${ }^{\text {O22 }}$ |
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| UniRef90-E4V190 | UniRef90-Q22AX2

UniRef90_E4V190

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DPLLDELKPRC
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30
40
 D DK P K L E E ECANSSSKCAPAKHHEDECVVERVTRNSEPHE VDPADEI REECSETPECK GAKKHFEHCQEKVQGQGFKHE

$V D Q L Q Q W R D R C A$ E QFP DLLKARLDECNARVNSRKMTE E NSKQCAPAKHHYDECVERVTKAEESGE

 D ILPA L LQE ECTESAKCAP LAAQHFA HCEEKHA GE GYK GE CATMLLVEYE A CQARDIEAKGS G Q E S C S LS E EVVDP K A T L E A C A K RI E G DES G H K PMDT $\square K E E C Q N S H H C S Q Y K S R F M E C E D R V S G N G E P D E$
ID P K P M L L E F C K P P Q C $\square$ Y W WK E K L E R C E L L K $V D P K E T L E E E C K N S P Q C A P A K H H F D E C V E R V E S E G G A K E$
 $V C P L P A M R K A C E \quad P K C T D A Y K A Y L S C V D R I E A K G G G$ D QMEALRKAALETPEGQELHKHYLDCVARVEKAKEYKE $D \square M P A D R E E C E$ Q S A K C V A A T K HF Q H C E E K V N A G K G Y K E

 $\square V D \square K$ L D D E R E C L A N E CAT K M A A Y N A C L D R I K S LQ D P K | $L$ | $E$ | $L$ | $E$ | $E$ | $M$ | $C$ | $R$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllllll}P R & C & V & Q & F & L & A & Y & Q & A & C \\ K & C & S & Y & K & R & H & D & H & C\end{array}$ CVK P WK E Y E C V E $\begin{array}{llllll} & G & G & K & G & D \\ V & G \\ V & T & A & E & R & E \\ Y & K \\ I & E & K & A & G & E\end{array}$

K P K L E E ECCAESK ECAPA AKH HYDECCVERRVTK QGKA DE VDPRTKK R P P CE Q K CAAKYNKLYY DECVVERVTKRNEEDG DPA $\square A L H E A A A E G P$ CHD FK H H F D E C V V E RVVTKHA E Y K E $\square D P R E K L K P A C E E K C K N F T K L Y N E C A E R V K H R N E G P G$ DVHPA I R E E CKE Q K C A QLA K HF EACCQEKVVNGE GF K GE VDPDDVVREQCSRDAESLDALLAELQTCSDRVESRNMTE E
 K PLVHHYMECVERVHADSEHKE
DPKDKFEEDCKNSKQCAPAKHHYDECCVERVTSDSDEKE
 K E TEK GQRLLKA Y S DCSSERVVR IEQQQ K E DPKPRLEEECARSAQCQGYKHHFDECVERVTKQEEPKE
 LT D P REK L K P A C K EKCAKYTKLYDECVERVRARNEEPG LVDPLT TV REQCEQLEKCVKARERLELCDERVSSR


[^0]

UniRef90 A3E315 UniRef90_A0A022TXA6 UniRef90-C6HIX8 UniRef90_G4TTL6 UniRef90-R1EE81 UniRef90-W2SQE6 UniRef90- W3WKQ0 UniRef90-B0DXR3 UniRef90-FOWHD6 UniRef90-F4NZW2 UniRef90-C1BSF9 UniRef90-R7TOA8 UniRef90-R1G799 UniRef90-M1AT50 UniRef90-C3YT20 UniRef90-G7IL88 UniRef90_J9IK40 UniRef90-F9FL61 UniRef90-171861 UniRef90-LOB071 UniRef90 G8BQT6 UniRef90_-V8P6Y8 UniRef90-J4GNY0 UniRef90 K1QKV1 UniRef90-A4HJP6 UniRef90-D8REE7 Uniref90-J3QB80 UniRef90-A0A024JB27 UniRef90-R1EIC8 UniRef90_K2RSW0 UniRef90_J4DQB6 UniRef90-Q6C0H4 UniRef90-K2RT77 UniRef90_A7ATA9 UniRef90 A8NHW4 UniRef90-E4XPU7 UniRef90_L8WL95 UniRef90_S7Q9M6 UniRef90_C5DH19 UniRef90-L7ILD2 UniRef90-K9HXQ5 UniRet90_V4KL97 UniRef90_A7TQRO UniRef90_GOWDW7 UniRef90-V5GW57 UniRef90 V9DJC9 UniRef90-A4S103 UniRef90_Q4U9W4 UniRef90 F7HU11 UniRef90-S9TIS4 UniRef90_R9P7Q5 UniRef90-A0A016WT95 UniRef90_G6DNH0 UniRef90-F0ZKM7 UniRef90-JOCVY4 UniRef90_Q1ZXP3 UniRef90-M4B7W7 UniRef90-F4PPR8 UniRef90_Q23K66 UniRef90_A0CBT7 UniRef90_G3JHU1 UniRef90_Q22AX2 UniRef90_E4V190



[^1]


[^0]:    lupas 21
    lupas_14
    lupas_28
    jnet
    conf
    sol25
    sol5
    sol0
    jhmm
    jpssm

[^1]:    lupas_21
    lupas_14
    lupas_28
    jnet
    conf
    sol25
    sol5
    sol0
    jhmm
    jpssm

