## QUERY

UniRef90_UPI00047BEF56 UniRef90_R9CB26 UniRef90-13E3R6 UniRef90_UPIO004009C80 UniRef90_UPIO004272D05
UniRef90_UPI00018506B7 UniRef90-18ANL9 UniRef90-UPIO00408178A UniRef90-K2FJG2 UniRef90-W4QYD2 UniRef90-UPI0002D8BE3E UniRef90-F7Z0E5
UniRef90-UPI0003B4971F UniRef90 H7F752 UniRef90_UPI0003818305 UniRef90_UPIO002FEAB00 UniRef90_UPIO0034A1625
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UniRef90-D3FRY4
UniRef90-D7V0P6
UniRef90_UPIO0030C5616 UniRef90-W3ABI0
UniRef90-UPIO00415D7E1 UniRef90_W7CPA7 UniRef90_UPIO002EB284E UniRef90-N4WTA4 UniRef90-UPIO00366D669 UniRef90-W7D802 UniRef90-A6CTI6 UniRef90-UPI00036F9E91 UniRef90-UPI00047EFB33 UniRef90_UPI0001E8983F UniRef90-W4Q3E3 UniRef90-UPI00041A3DDA UniRef90_W9BCU6
UniRef90- F5SIM0 UniRef90_UPI0002627FEF UniRef90_R7ZAT8 UniRef90-D6XXZ9 UniRef90_UPI00047C33CF UniRef90_W4QA38
UniRef90-J8QCC9
UniRef90_UPI000404ADF7 UniRef90_UPI00047EE6F1 UniRef90_Q5WJV3 UniRef9-F9DTQ6 UniRef90-UPIOOO4722F62 UniRef90-UPIO004691165 UniRef90_F2F6F0 UniRef90_UPI000304EEA9 UniRef90_Q8CXL8 UniRef90_UPI0004744B34 UniRef90_UPI00031C3CD5 UniRef90_UPIO0031013E6 UniRef90_W7CP11
UniRef90-U1WSE2
UniRef90-M8DWE6
UniRef90_V6M926
UniRef90_UPIO003B77054 UniRef90_COZK28
UniRef90-A0A033ULN5 UniRef90-Q2RIF8 UniRef90-X7YAR1 UniRef90_L5MV33
UniRef90_D7WXT4 UniRef90-R4KET9 UniRef90-X8C4Z6 UniRef90_J5EA87 UniRef90_I4X3V1
UniRef90_B2HK94 UniRef90-G4E8A4 UniRef90-A0A024JPG2 UniRef90_UPIO00289372D UniRef90-I2A7T1 UniRef90-UPI00047847F2 UniRef90_B9E8C1 UniRef90-W6LWA9 UniRef90_Q4L7V2 UniRef90-D5P8X5 UniRef90-UPIO0047B4F0F UniRef90_L7WY80 UniRef90_UPIO00478BA00 UniRef90-W8ZE95 UniRef90-IOC665 UniRef90-D3QIM3 UniRef90_Q5HME8 UniRef90-W9DPQ1
UniRef90_W4LKV2

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 MDYRDVLEPKYRELLIRNYLNEQTETALYQGQKFSRKTIEH
 MDFREVMESEYRDLLQKYIKKDKSEQALYAGQMFSRTEMEH MEARENLEEKYREALSNYLKDQSEQALYQGQKYSRKTIEH D S Y R L M Q E Q Y VK IL L K T Y L E D K N E I GL Y Q A Q Q F S K K V L E N
M D MS DR MSTLDLIIDRYKDLL K M N T L L M M D L MRMSQDIIKE MDFQNEMKA M
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$M P Q E V G K Q Y S E L L$
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MEKERNVGEELYRE AL
MNFRDTMLD N
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NQTERNLY A ANFTRQLI QK
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Q NLYVGQNFSRQLI LE
$D A F Q T Q Y A D A L R A Y L D T R D E N S L A V G H E F G R R A L Q E$ $M N Q Q \square I N Q Y T T E L V Q Y I H T Q D E A I L A B V S E L A R R L I V E$ MTDTDDFHAQYLAAL RTYLEARDDNILAVGHELGRRALQE LL S Q Y L K Y Q T E R NL Y L G Q NF S R H LVV Q K MS GNEDFHDRYAAALRNYLDSPDDANLS GNELGRTALQN DELVNKYRDIL QLYY Y GNDEQAFEQCHTFSEEVI EM


E E F K Q
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DFKQHYKQLI DESLVTQNKQQLKKCNDFTDEVIKK
DD FHA QYAAALRTYLRARDEDSLAVAYELGRRALQE
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EEFTKSYKALVKESLATNNKTLLDDCEAFTNEVIMK
$\square N E R Y Y G I L Q G Y V S S H D E K Y L L R S R D L G S E F V R Y$

## QUERY <br> UniRef90_UPI00047BEF56 UniRef90-R9CB26 UniRef90_R9CB26 UniRef90_I3E3R6 UniRef90-UPI0004009C8C UniRef90_UPI00018506B7 UniRef90 I8ANL9 <br> UniRef90_UPI000408178A UniRef90_K2FJG2 UniRef90-W4QYD2 UniRef90_UPI0002D8BE3E UniRef90_F7Z0E5 <br> UniRef90_UPI0003B4971F UniRef90 H7F752 UniRef90_UPI0003818305 UniRef90_UPI0002FEAB00 UniRef90_UPI00034A1625 UniRef90_UPI0002DF2561 UniRef90_Q9KFF3 UniRef90-M7NCD2 <br> UniRef90_D3FRY4 UniRef90_D7VOP6 UniRef90 UPI0003 UniRef90_UPI00030C5616 UniRef90-W3ABI0 UniRef90_UPI000415D7E1 UniRef90_W7CPA7 UniRef90_UPI0002EB284E UniRef90-N4WTA4 UniRef90_UPI000366D669 UniRef90_W7D802 UniRef90-A6CTI6 UniRef90_UPI00036F9E91 UniRef90_UPI00047FFB33 UniRef90_UPIO0047EFB33 UniRef90_UPI0001E8983F UniRef90_W4Q3E3 UniRef90_UPI00041A3DDA UniRef90_W9BCU6 UniRef90 F5SIM0 UniRef90_UPI0002627FEF UniRef90_R7ZAT8 UniRef90_D6XXZ9 UniRef90-UPI00047C33CF

 UniRef90_J8QCC9UniRef90_UPI000404ADF7 UniRef90_UPI00047EE6F1 UniRef90_F9DTQ6 UniRef90_UPIO004722F62 UniRef90_F2F6F0 UniRef90_UPI000304EEA9 UniRef90_UPI000375FFBF UniRef90_Q8CXL8 UniRef90_UPI0004744B34 UniRef90_UPI00031C3CD5
UniRef90_UPI00031013E6
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$\begin{array}{lllll}Y & F & Q & L & Q \\ Y & R & D & L & L \\ 1\end{array}$ K S V
 Q A I RKRYIPALAEYIRSGSEASLFQATBEGK FHASYTAALSA
FKKQYKSLI EEFKKQYKSLIN AAYSEALRRY A K Q Y A H L L T R F L S D GE E E GLLA E A F E L G R A M M D Q
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 $A F L D D Y S A A D R R H V A A P G Q A G L T E G Y D L G R R A D V E$ $F A E R Y R R A F L T Y$ L Q S G DEA H VAAPA Y E L S R E A V G G
TMLLAAFRGDYANALRLHLDSPSQTTLAEGYELGRRALVE
$M N K Q F N Q Q Y$ VA A L R RYLVENDESALSEAYELGRKTI SD MSTLAAFRDAYANALRDHLYS PTGTTMAEGYELGRRALVE RYTD GMA RYVATADEAPLLDDEELGRLDAI T D S YRAAFLRYLGRREEAALHAGYEI GRAGLEA
 EDSSERRLAVAHDLGRQALLG F LD D Y T E A LRRRHLD SPTHDTLTEGYDLGRRALVE
 ME P A WV E Q Y Q A A L K D F L A G A E D Q A L K R A Y Q I GREAAAS MT T R D A L V D E Y V S G L E A Y L G Q R D E A A R T R A Y E L G R R A MV E

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