

| QUERY | AHCASKGSKPLCCVAPVADQALLCQKATGT |
| :---: | :---: |
| UniRef90_W7LII5 | A 1 CA A GGKRARCCVLPVLGQALVVCDKPVG |
| UniRef90 ${ }^{-}$M7SEM8 | AVCAKGGQRARCCVLPILGQGVLCETPVG |
| UniRef90-J4WMI6 | GI CAAVGKQPLCCVIPVAGQDLLCQD |
| UniRef90-J4WMI6 | GI CAAVGKQPLCCVIPVAGQDLLCQD |
| UniRef90-P52755 | SICANGGKRARCCVLPVLGLGVLCQNP |
| UniRef90-J4WDT5 | NI CAKGGQQAACCVVPVAGQSLFCMTPVG |
| UniRef90-J5JTB1 | E ICAKVGKQARCAVLPVAEQAVLCQRPAG |
| UniRef90-G2XCF6 | ATCATI GQRARCCVLPILDQGVLCNN |
| UniRef90-M7TCM1 | EVCSAIGQRARCCVLPI L GQDVLCQTP |
| UniRef90-G9N5V3 | AVCAAGGQRARCCAIPVAGQALLCES |
| UniRef90-L2G1J6 | KI CAVGGQRARCCVLPVLGQAVLCQ |
| UniRef90-G9PAN1 | DI CDTAGKKA Q C C AVPI A G Q AVLCQDVI G |
| UniRef90-P52753 | SICATSGRDAKCCTI PLLGQALLCQDPVG |
| UniRef90-M2URC1 | S GCAAVGQQAQCCVIPVAGQALLCQ |
| UniRef90-Q9UVI4 | K ICANGGQQAQCCSIPVAGQAVLCQPAl |
| UniRef90_Q9UVI4 | K I CANGGQQAQCCSI PVAGQAVLCQPA |
| UniRef90-Q9UVI4 | KI CANGGQQAQCCSIPVAGQAVLCQP |
| UniRef90-E3QYV8 | S $\\|$ C S E $\square$ GQRARCCILIPI LDQGIL C NTPAG |
| UniRef90-M1WEB3 | STCRSEGRKARCCVLPVAGQDVLCTNPL |
| UniRef90-M1WEB3 | STCRSEGRKARCCVLPVAGQDVLCT |
| UniRef90-M1WEB3 | STCRSEGRKARCCVLPVAGQDVLC |
| UniRef90-M1WEB3 | STCRSEGRKARCCVLPVAGQDVLCT |
| UniRef90-M1WEB3 | STCRSEGRKARCCVLPVAGQDVLC |
| UniRef90-G9P387 | NDCAKTGDQAVCCVVPVAGQDLLCQTAV |
| UniRef90_A7LNX3 | S TCAASGRRPRCCVLPVAGLGVLCTSP |
| UniRef90-J3NM79 | ATCAKGGQRARCCVLPI LGQAVLCQSPL G |
| UniRef90-T5AKV1 | T ICAEKGQRARCCVLPLAGQAI L C VNPVG |
| UniRef90-G4URF8 | STCAD $\mathrm{S}_{\text {GQRARCCVLPI }}$ |
| UniRef90-G9MS02 | Q ICAAQGSDAKCCVLPLLG |
| UniRef90-G4N8U1 | DICAADGQRARCCVLPLAGQAVLCQA |
| UniRef90_G3JBA7 | EI CAKNGQQARCCVLPI I DQAVL |
| UniRef90-A7LNW5 | SI CQASGAKPKCCVLPILGQGLLCEDAI GT |
| UniRef90-A7LNW0 | G I C A S $\square$ GKEPKCCAVPILGQALLCTDPVGS |
| UniRef90-R0KBF4 | A GCAT S GQQAKCCVLPI AGQD |
| UniRef90-E9EN44 | NTCAKTGQKAACCVIPVA GQALLCETAPG |
| UniRef90-P52754 | $N V C A K T G A Q P \square C C V A P V A G Q A L L C Q T A V G ~$ |
| UniRef90_G9MXU9 | SVCA A $\square$ GLLQPKCCVLPVA GlVAVLC |
| UniRef90-B2VRJ1 | S GCAAGGQQAKCCVIPVAGQDLLC |
| UniRef90-G9NHP9 | ANCAA $\mathrm{C}_{\text {GQEARCCVLPVLGQDVLCQTPPG}}$ |
| UniRef90_G0RBZ9 | AVCAA GGQRARCCAIPVAGQDLLCQTPAG |
| UniRef90-G9MRA0 | KECAKTGDKPLCCVAPVADQAILCQPALL |
| UniRef90-E3QVP2 | K I C A D I G Q A R C CVLP ALGLLGVLCQTPA G |
| UniRef90-C7ZKN2 | AICAEI GQRARCCVLPlADQGVLCNTPSG |
| UniRef90-M4GOL3 | STCANI GQQPACCTLPLLGQAVLCQRPVG |
| UniRef90-W2RQ33 | QSCSDI GQQARCCAI PIL GQALVCGEPIG |
| UniRef90-H1UVW0 | AVCSAI GQRARCCVLPLLDQGILCNTPSG |
| UniRef90-G2XCG9 | K ICADAGTAAKCCTLNLLNQGVLCQ |
| UniRef90-G9MR13 | T SCAKLGHAPFCCVAPVANQGILCQKPVGN |
| UniRef90-F9XJU2 | NLCAAKGQRARCCAIPVLGQALLCQEPEGT |
| UniRef90-G9P3M0 | AVCAAGGKQPLCCVVPVAGQDLLCEEAQGT |
| UniRef90-R7YYU5 | D I C A SVGQ |
| UniRef90-W3WN70 | ASCATVGKTARCCVIPVLGQDVLCTDPQG |
| UniRef90_J3NP79 | A $\square \mathrm{CAE}$ ¢ GQRARCCAI PILEQGI L C T |
| UniRef90-17B278 | S QCAKRGKSATCCVLPVLGQAVGCQAPAGS |
| UniRef90-F7VY75 |  |
| UniRef90-G9PAS1 | N A C A AVGLDDPLCCVAPVADQGILCQ |
| UniRef90-G2WSJ0 | QSCASTGKSAFCCTLPVAGQAVLCNKPVG |
| UniRef90-A7LNW3 | NACAAVGLQPPLCCAAPTADQGI I CQMPAGT |
| UniRef90-V9DAB5 | N 1 C A A I GQQA R C CLLP L L E Q |
| UniRef90-E9EI09 | DICAKSGQKAACCVLPV |
| UniRef90-G2Y4N2 | DVCADVGK $\mathrm{V}^{\text {V M C C D }}$ LPVLGQGLICSSP |
| UniRef90-M2UUF3 | NTCASAGQQAKCCLIPILGQALICSD |
| UniRef90-G0RVE5 | SVCASTGRKPRCCAVPVAGVALLCT |
| UniRef90-W3XNP2 | DVCASVGQRARCCVLPVGGILDVLCETPTG |
| UniRef90-S3DKA4 |  |
| UniRef90-W8NQ71 | SVCSAI GQRARCCVLP |
| UniRef90-M3BV53 | QACASIGRSPQCCSISLLGNELLCNN |
| UniRef90-G2XFX7 | R\\|CAESGAAAMCCSIPLAGQGVLCTPVIG |
| UniRef90-A7E7D6 |  |
| UniRef90-Q06153 | ASCADGGRSARCCTLSLLGLALVCTDPVG |
| UniRef90-G0RFI5 | D IC QEVGAKAQCCVLPV A L L CED |
| UniRef90-F9XJS4 | AI CAA Q GQEARCCLTVVLGQGVKCQTPPG |
| UniRef90-C9SK28 | AI CAEAGKSALCCSVPVAGQSLLCTAVIG |
| UniRef90-F8R8G0 | QI CAKTGDQALCCVVAPV |
| UniRef90_Q0UYP2 |  |
| UniRef90-M1W3E0 | STCNAMGKTPACCTA SGHGLVCQ |
| UniRef90-U7PJI5 | A A CASVGGVPECCTVPLATLGVLCEVPPGT |
| UniRef90-F9FRS3 | A ICAESGQKARCCGLSILELGAFCQKPVG |
| UniRef90-Q0CNK4 |  |
| UniRef90-A9XIS9 | S TCADGGRRPRCCVLPALGLALVCETPVG |
| UniRef90-R0K9D8 | T GCADAGQQAKCCLIPILLGQALICND |
| UniRef90-M1VU54 | STCAS GGKQT LCCSI HLE E L GVLCTEFV |
| UniRef90-L714A2 | S $\square$ CAAKGQRARCCLLPVLGQALLCQAP |
| UniRef90-G9MQW8 | SHCAGKGKQPVCCSIPAAGLGLLCEKPVGT |
| UniRef90-S3C6S3 | A $\square$ C GA G GREAKCCAVPLLGQALVCTNPQG |
| UniRef90-N1PH52 | EDCAQSGKSAQCCVLPLIGDSVACNN |
| UniRef90-W9C5P3 | A $\square_{\text {CA }}$ GGGQQASCCVLPLAGEALLCTAP |
| UniRef90-K1WAZ3 | DL CAGVGK】DRCC】L |
| UniRef90-A7EV90 | E I CAA HGQQASCCAVPVAGQAVLCTAA |
| UniRef90-N1Q0T7 | EQCSATGQQA LCCLLCPILEQGLICQN |
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UniRef90_C9SRG9 UniRef90-M1VX49 UniRef90_A7LNX0 UniRef90 W8NXX4 UniRef90-F9XMQ8 UniRef90-ROKSAO UniRef90_O94203 UniRef90_Q9C2X0 UniRef90-N1PGE8 UniRef90-G0RHNO UniRef90-K2RLH5 UniRef90-R1EX95 UniRef90-M3AAW9 UniRef90_C9S811 UniRef90 F9X4G1 UniRef90-H1VN84 UniRef90_Q0UP55 UniRef90 E3S728 UniRef90_-G2Y9K9 UniRef90-W8P1J0 UniRef90_M3CDV7 UniRef90_N1QJR4 UniRef90-A5ABR1 UniRef90_F9XA03 UniRef90 B2VWA7 UniRef90_L7HSY3 UniRef90-A7LNV7 UniRef90 A0A010RGA1 UniRef90 M7TL38 UniRef90_N4VOT2 UniRef90-E3R014 UniRef90_U1GRE0

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[^0]UniRef90_C9SRG9 UniRef90-M1VX49 UniRef90-A7LNX0 UniRef90 W8NXX4 UniRef90-F9XMQ8 UniRef90-ROKSA0 UniRef90_O94203 UniRef90_Q9C2X0 UniRef90-N1PGE8 UniRef90-G0RHNO UniRef90_K2RLH5 UniRef90-R1EX95 UniRef90-M3AAW9 UniRef90-C9S811 UniRef90_F9X4G1 UniRef90-H1VN84 UniRef90_Q0UP55 UniRef90 E3S728 UniRef90_G2Y9K9 UniRef90-W8P1J0 UniRef90-M3CDV7 UniRef90 N1QJR4 UniRef90-A5ABR1 UniRef90_F9XA03 UniRef90 B2VWA7 UniRef90_L7HSY3
UniRef90_A7LNV7 UniRef90-A0A010RGA1
UniRef90 M7TL38 UniRef90-N4VOT2 UniRef90-E3R014 UniRef90_U1GRE0
$R N C \quad N G K Q P Q C C T|L| G|I| S E \bigsqcup|A| L L|C Q R P| I \mid G$
 ATCARTGSYPKCCTI K I SQGLDCEDPAG KYCGQS GATAQCCVLPALGAGVACEE AVCAETGLTAQCCILPAGADGLDCTAA AA A ATTGGTARCCTLPLLAGEALLCTTP



 | $T$ | C A D SGRTAECC |
| :--- | :--- |
| EQCSAEGQQALDC CLL |  | ATCAD

K DCAASGLSAFCCTLPLAGDALLCSPA ASCKVNGDRPRCCVLDI LGSAVSCQEPV ASCAEDGTTAQCCIVPLGADGLLCTAA DRCEMDNSTPECCAIPVAGQALLCNSPV AYCAAQGQDSSCCKTPLVGDGVICTPP DCCHASSRRPKCCAVTTLEASVLCDDPAG SSCASSGTTAKCCTLPLAGDALLCSSP KECKHTGLSAQCCVGGIA D LDALLCTMPL T $\square \mathrm{C} G D \square G Q E A S C C Y P P A Y G Q Q G I C S$ RHCGQSGATAQCCVLP ${ }_{A} Q C A B T G T T A Q C C L I A L G S D G L V C T E A$ A V C S
 AYCAAQGQDSSCCKTP LVGDGVICTPP TACIIHGRQPKCCTLTVGGDSYLCEDPFAT ASCLVTGKKPRCCVLDLSGLVVSC
E I CGEQGDYAQCCA

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lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm
```


[^0]:    lupas_21
    lupas_14
    lupas_28
    jnet
    conf
    sol25
    sol5
    sol0 jhmm
    jpssm
    

