

1

6666666.164646.peg.2554	MHQAIWKLEN	TVKNYDWGSI	DDIPKLFPAIK	NPTQEPIAEI	WMGAHPMGCS	LALDNNHKKI
1196095.121.peg.857	MHQAIWKLEN	TVKNYDWGSI	DDIPKLFPAIK	NPTQEPIAEI	WMGAHPMGCS	LALDNNHKKI
1196095.125.peg.194	MHQTIWKLEN	SVKNYDWGSI	DDIPRLFAIK	NPTKKPIAEI	WMGAHPMGCS	LAIDNNHKKI
1196095.134.peg.143	MKQTVWKLEN	AIKNFDWGSL	DQITKVLGIS	NSTQKPIAEI	WMGAHPMGCS	QAIDSNDHKKV
1196095.130.peg.1250	MKQTVWKLEN	AIKNFDWGSL	DQITKVLGIS	NSTQKPIAEI	WMGAHPMGCS	QAISYSDNHKKV
1196095.128.peg.2626	MKQTMWKLEN	SIKSYDWGSI	DSLTLFLFGIP	NPMKQPMMAEM	WMGTHPLGCS	IATNTKNQKI
1196095.129.peg.1041	MQQTMWKLEN	TIKNYTWGSL	DSMALLFGIK	NPNQQPMAEM	WMGAHPLGCS	VAVTADNHKKV
1196095.131.peg.1920	MKQTMWKLEN	TIKNYAWGSL	DSMSLFLFGIK	NPDQQPMAEM	WMGAHPLGCS	VAVTADNHKKV
1196095.135.peg.1765	MKQTIWKLEN	CIKDYDWGSI	DSITTLFDIK	NPSQKPMMAEI	WMGIHPLGCS	KAIGVNGEKI
1196095.115.peg.719	MNQTIWKLDN	TIKHYDWGSI	DGITSLFAIP	NPTSEPMMAEI	WMGMHPLGCS	LAIDEKLGKI
1196095.108.peg.2057	MSKTIWKLEN	TFKNYDWGSV	DNIPKLFQFQ	NPTGKPIAEI	WMGSHPMGCS	LAVIDNYHKI
1196095.113.peg.12	MSKTIWKLEN	TFKNYDWGSV	DNIPKLFQFQ	NPTGKPIAEI	WMGSHPMGCS	LAVIDNYHKI
1196095.133.peg.3119	MLTLSSERKH	HAIKQLLTNI	ASFYNEPYAT	IKDLANDYPN	DIGIFMPLIL	NVIELQPGQA
AHN25538	MHQTIWKLEN	TVKNYDWGSI	DDIPKLFPAIK	NPTQKPIAEI	WMGAHPMGCS	LAIDNNHKKI

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6666666.164646.peg.2554	RLDDLIKKHP	LETLSAETYR	QYSALPYLFX	VLSANKALSI	QVHPTKFNAE	QGFAKENQLG
1196095.121.peg.857	RLDDLIKKHP	LETLSAETYR	QYSALPYLFX	VLSANKALSI	QVHPTKFNAE	QGFAKENQLG
1196095.125.peg.194	RLDDLIKKHP	LETLGARTYQ	QYAALPYLFX	VLSANKALSI	QVHPTKLNAAE	QGFAKENQLG
1196095.134.peg.143	KLDELINNNP	QAILGEDTYK	KFAGLPYLFX	ILSANKALSI	QVHPTKTAAE	CGFEKENELG
1196095.130.peg.1250	KLDKLINNNP	QAILGEDTYK	KFAGLPYLFX	ILSANKALSI	QVHPTKTAAE	CGFEKENELG
1196095.128.peg.2626	KLDELINQNP	LETLGKETFY	NFHELPYLFX	ILAADKALSI	QVHPTKEKAI	QGFERENQLG
1196095.129.peg.1041	KLDELITITNP	LAILGENTLE	HFHGLPYLFX	ILAANKALSI	QVHPTRTKAK	LGFDRENKLG
1196095.131.peg.1920	RLDELITITNP	LATLGKSTLE	HYHGLPFLFX	VLAANKALSI	QVHPTKAKAK	LGFDRENKLG
1196095.135.peg.1765	RLDELICQNP	LQVLGKNTYQ	LFGTLPYLFX	VLAANKPLSI	QVHPTKADAQ	KGFEEKENKL
1196095.115.peg.719	RLDKLIKDNP	QQILGNKTFQ	HFGSLPFLFX	ILSANKALSI	QVHPTLENAAE	IGFAKENQQG
1196095.108.peg.2057	RVDELIKNNP	VDILGEKTAS	QFASLPFLFX	ILSANKALSI	QVHPTKINAE	HGFERENQLG
1196095.113.peg.12	RVDELIKNNP	VDILGEKTAS	QFASLPFLFX	ILSVNKALSI	QVHPTKINAE	HGFERENQLG
1196095.133.peg.3119	MFLDAQTPHA	YIKGTGLEVM	ANSNDVLRAG	LTHKYIDIEQ	LIQNTNFDSL	TLNNLLIKPI
AHN25538	RLDDLIKKHP	LETLGAKTYR	QYSALPYLFX	VLSANKALSI	QVHPTKFNAE	QGFAKENQLG

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6666666.164646.peg.2554	IALLDDPKRNY	KDPNHKPELI	YALTTPFKAMR	SFRPIIEILD	LFKKINVTAL	SNELEQLQIN
1196095.121.peg.857	IALLDDPKRNY	KDPNHKPELI	YALTTPFKAMR	SFRPIIEILD	LFKKINVTAL	SNELEQLQIN
1196095.125.peg.194	IALLDDPKRNY	KDPNHKPELI	YALTTPFKALR	SFRPIAEILQ	LFKEINVTAL	SKEFEQLQND
1196095.134.peg.143	IALLDDPKRNY	KDPNHKPELI	YALTTPFKAMR	SFRPISEILN	LFGQISVTTL	SKEIAQLQNN
1196095.130.peg.1250	IALLDDPKRNY	KDPNHKPELI	YALTTPFKAMR	SFRPISEILN	LFDQISVTTL	SKEIAQLQNN
1196095.128.peg.2626	IDINSPNRNY	KDPNHKPELI	YAITTPFKAMN	SFRPIDEILA	LFNQVNVVTS	NDEIQQLQHN
1196095.129.peg.1041	IDLNSPLRNY	KDPNHKPELI	YALTTPFKAMN	SFRPIDEIIT	LFDQVNITTI	SDELQQLQON
1196095.131.peg.1920	IDLNSPQRNY	KDPNHKPELI	YALTTPFKAMN	SFRPIDEIIA	LFDQVTTTTI	SNEIQQLQON
1196095.135.peg.1765	IDLHSPNRNF	KDPNHKPELI	YALTTPFKAMN	SFRPIEQILA	FFSQIKIPIF	NHELAQLHNN
1196095.115.peg.719	IASDAPNRNY	KDPNHKPELI	YALTTPFKAMR	SFRAIDEIIM	LFKIALSDL	TIPISQLKNH
1196095.108.peg.2057	IAINSPERNY	KDPNHKPELI	YALTQFKAMR	SFRPIDEILS	FFENLALPIF	NLQISLLRKN
1196095.113.peg.12	IAINSPERNY	KDPNHKPELI	YALTQFKAMR	SFRPIDEILS	FFENLALPIF	NLQISLLRKN
1196095.133.peg.3119	INANKISFPV	PVDDFNFEII	YSNDQQQKQK	VTSAQIVLCL	EGKICLTTEF	ESVVLKSGES
AHN25538	IALLDDPKRNY	KDPNHKPELI	YALTTPFKAMR	SFRPIIEILE	LFKKINVTAL	NNELDQLQIN

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6666666.164646.peg.2554	ANEQQLKLFF	QALLTLSPER	KEQAINQLLT	NIEPFSNEPY	LTIKTLAKDY	PNDIGVFMPL
1196095.121.peg.857	ANEQQLKLFF	QALLTLSPER	KEQAINQLLT	NIEPFSNEPY	LTIKTLAKDY	PNDIGVFMPL
1196095.125.peg.194	ANEQQLKLFF	QALLTLSPER	KEQAINQLLT	NIEPFLNEPY	STIKTLAKDY	PNDIGVFMPL
1196095.134.peg.143	PNEQQLKLFF	QTLTLSSER	KHQAQKQLLT	NIASFYNEPY	ATIKDLANDY	PNDIGIFMPL
1196095.130.peg.1250	PNEQQLKLFF	QTLTLTLSSER	KHHAQKQLLT	NIASFYNEPY	ATIKDLANDY	PNDIGIFMPL
1196095.128.peg.2626	QNPEQLKIFF	QSLLSLSTEQ	KQQAINELLN	NIDSFVDEPY	LTVKSLTKDY	PNDIGLFMPL
1196095.129.peg.1041	RNPDQLKSFF	QALLSLSSSQ	KQQAISQLLA	SIKSRTEDEPY	LTVQTLAQEY	PNDIGIFMPL
1196095.131.peg.1920	RNPDQLKSFF	QTLTLSSSQ	KQQAINEQLLT	SIQSRTEDEPY	LTVQTLAQEY	PDDIGIFMPL
1196095.135.peg.1765	PNPKQLKHFF	QFLNLSPDQ	KLQAIHQLLA	CIRSFNQAPF	LTVQTLVKDY	PNDIGLFMPL
1196095.115.peg.719	RHPDQLKHFF	EYLLTLPTQT	KTALIKQLLM	KISTFNDEPY	LTIKTLAKDY	PDDIGLFMPL
1196095.108.peg.2057	RTPNQLKKFI	CFLLDISQKD	KEIAIKQLLT	NITASEQEPF	TTIKSLVNDY	PNDIGLFMPL
1196095.113.peg.12	RTPNQLKKFI	CFLLDISQKD	KEIAIKQLLT	NITASEQEPF	TTIKSLVNDY	PNDIGLFMPL
1196095.133.peg.3119	AFIAYQAKFY	CYTGEGILAK	VSN			
AHN25538	ANEQQLKLFF	QALLTLAPER	KEQAINQLLT	NIEPFSNEPY	LTIKTLAKDY	PNDIGVFMPL

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6666666.164646.peg.2554
 1196095.121.peg.857
 1196095.125.peg.194
 1196095.134.peg.143
 1196095.130.peg.1250
 1196095.128.peg.2626
 1196095.129.peg.1041
 1196095.131.peg.1920
 1196095.135.peg.1765
 1196095.115.peg.719
 1196095.108.peg.2057
 1196095.113.peg.12
 1196095.133.peg.3119
 AHN25538

ILNVIELQPT	QAMFLSAQTP	HAYLSGTGLE	VMASSDNVLR	AGLTNKHLDV	DELLKNTKFN
ILNVIELQPT	QAMFLSAQTP	HAYLSGTGLE	VMASSDNVLR	AGLTNKHLDV	DELLKNTKFN
ILNVIELQPT	QAMFLSAQTP	HAYLSGTGLE	VMASSDNVLR	AGLTNKHLDV	DELLKNTQFN
ILNVIELQPG	QAMFLDAQTP	HAYIKGTGLE	VMANSNDVLR	AGLTHKYIDI	EQLIQNTNFD
ILNVIELQPG	QAMFLDAQTP	HAYIKGTGLE	VMANSNDVLR	AGLTHKYIDI	EQLIQNTNFD
ILNVIELQPG	QAMFLYAETP	HAYLQGTGLE	VMACSDNVLR	AGLTSKHIDI	SEVIKNTNHN
ILNVIELQPG	QAMFLYAETP	HAYLQGTGLE	VMASSDNVLR	AGLTPKHIDI	PELIKNTNHN
ILNVIELHGP	EAMFLYAETP	HAYIQGTGLE	VMANSNDVLR	AGLTSKHIDI	PEVIKNTNHN
ILNVIELKPT	QAMFLHAQTP	HCYLSGTGFE	VMANSNDVLR	AGLTHKFIDI	DALIENTNFS
LLNVIELKPG	QAMFLSAKTP	HAYLSGTGLE	IMANSNDVLR	AGLTHKYIDS	LELINNTNFE
ILNIIELQPG	QAMFIEAETP	HAYLCGTGLE	VMANSNDVLR	AGLTNKIINI	QEFVQNTNFE
ILNIIELQPG	QAMFIEAETP	HAYLCGTGLE	VMANSNDVLR	AGLTNKIINI	QEFVQNTNFE
ILNVIELQPT	QAMFLSAQTP	HAYLSGTGLE	VMASSDNVLR	AGLTNKHLDV	DELLKNTKFN

301

6666666.164646.peg.2554
 1196095.121.peg.857
 1196095.125.peg.194
 1196095.134.peg.143
 1196095.130.peg.1250
 1196095.128.peg.2626
 1196095.129.peg.1041
 1196095.131.peg.1920
 1196095.135.peg.1765
 1196095.115.peg.719
 1196095.108.peg.2057
 1196095.113.peg.12
 1196095.133.peg.3119
 AHN25538

SLNLNELLTS	PIIHQNKIDF	PVPVDDFKFE	IIESDNQARD	EKVTSPQILF	CIEGNITLTS
SLNLNELLTS	PIIHQNKIDF	PVPVDDFKFE	IIESDNQARD	EKVTSPQILF	CIEGNITLTS
SLSLDKLLTR	PVIHQNKIDF	PVPVDDFKFE	IIESDNQSRD	EKITSPQILF	CIEGNITLTS
SLTLNLLIK	PIINANKISF	PVPVDDFNFE	IIYSNDQQQE	QKVTSAQIVL	CLEGKICLTT
SLTLNLLIK	PIINANKISF	PVPVDDFNFE	IIYSNDQQQE	QKVTSAQIVL	CLEGKICLTT
SVPLKQLTTK	PTINQNKIDF	PIPVDDFKFE	IIQSDNHLRE	EKVTSPQILL	CLTGNITLET
SVPLKQLTTK	PIINQNKIDF	PIPVDDFKFE	IIQSDNQSRD	EPVTSPQILF	CIKGDITIKT
SVPLKQLTTK	PIINQNKIDF	PIPVADFTFE	IIQSDNQTRS	ESVTSPQILF	CIKGITIKT
STDASELLSN	PNINHNKIDF	PVPVDDFKFE	IIQSDQLLRK	EKVSSPQILF	CMDGSVTLTT
SMALDQLLTK	PVIKDNKIDF	PVPVDDFKFE	IIKSDQNLHC	EKVDSAQIVL	CLDGKISLST
SLELDQLLIK	PVKRONKNVF	LVPIIDFQFE	VIQSDNQSHE	EQVNSPQIVL	CITGKIIITT
SLELDQLLIK	PVKRONKNVF	LVPIIDFQFE	VIQSDNQSHE	EQVNSPQIVL	CITGKIIITT
SLNLNELLTS	PIIHQNKIDF	PVPVDDFKFE	IIESDNQARD	EKVTSPQILF	CIEGNITLTS

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6666666.164646.peg.2554
 1196095.121.peg.857
 1196095.125.peg.194
 1196095.134.peg.143
 1196095.130.peg.1250
 1196095.128.peg.2626
 1196095.129.peg.1041
 1196095.131.peg.1920
 1196095.135.peg.1765
 1196095.115.peg.719
 1196095.108.peg.2057
 1196095.113.peg.12
 1196095.133.peg.3119
 AHN25538

KSATLTLLIKG	ESAFVAYNAK	SYCYQGQGV	AKVSN
KSATLTLLIKG	ESAFVAYNAK	SYCYQGQGV	AKVSN
KSLTLTLIKG	ESAFVAYDAK	SYCYQGQGV	AKVSN
EFESVVLSSKG	ESAFIAYQAK	EYCYTGEGIL	AKVSN
EFESVVLSSKG	ESAFIAYQAK	EYCYTEGIL	AKVSN
GSESLTITKG	ESVFIAYKAQ	YYRYKGQGV	AKAFN
PTQSLTLTTG	ESAFIAYDTK	NYSYSGTGIL	AKVAN
QTQSLTLTTG	ESAFIAYDTE	NYSYSGTGV	AKAAN
KNEVLTLLNK	ESVFIAYQAK	YYSYSGKGCF	AKVSN
ESQSLTLHKG	ESALIAYQTD	VYHYQGLGV	AKA
KSESESLTLT	KGESALIAYK	TKNYQYKGHG	VLAKVFN
KSESESLTLT	KGESALIAYK	TKNYQYKGHG	VLAKVFN
KSATLTLLIKG	ESAFVAYNAK	SYCYQGQGV	AKVSN