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10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200
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24582767.f                               MIPCVSFAETSIVIG-                                NMKGRVKBKVFVG-
17136512.f                               MIPCVSFAETSIVIG-                                NMKGRVKBKVFVG-
24582764.f  --MMGTKHRNSHVNGSIKSSSLRSSSKSFQAKMDLMSERLYDVVKSGSMVKRAQNKRRFTPVNYKHRWFELTKRTFSYFDVENVERRRRGRRIHLKGVRLVEEATVSGEGGDPFAPDGYFPQVGYCEISASANSHQLENGNGGGSGVIGEGQQSGRAVPOYTLVYVIANSEKQRSEWIRAIRQVCEDSNTPKSYRYHP
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31222210.i                               MNFNTEEBEILIKR-                                SQQKKKTSPLNKKRLFLVITKSVLTYEGR-AE
34880171.m                               MNFNTEEBEILIKR-                                SQQKKKTSPLNKKRLFLVITKSVLTYEGR-AE
34877298.m                               MNFNTEEBEILIKR-                                SQQKKKTSPLNKKRLFLVITKSVLTYEGR-AE
7305569.m                               MNFNTEEBEILIKR-                                SQQKKKTSPLNKKRLFLVITKSVLTYEGR-AE
TEC.h                                     MNFNTEEBEILIKR-                                SQQKKKTSPLNKKRLFLVITKSVLTYEGR-AE
6754386.m                               MNFNTEEBEILIKR-                                SQQKKKTSPLNKKRLFLVITKSVLTYEGR-AE
34871240.m  --MNFNTEEBEILIKR-                                SQQKKRRTSPSNKRFVFFVITKASLAYFEDRHGK
ITK.h                                     MNFNTEEBEILIKR-                                SQQKKRRTSPSNKRFVFFVITKASLAYFEDRHGK
18858911.d  --MNFNTEEBEILIKR-                                SQQKKRRTSPSNKRFVFFVITKASLAYFEDRHGK
34880173.m  --MNFNTEEBEILIKR-                                SQQKKRRTSPSNKRFVFFVITKASLAYFEDRHGK
34877399.m  MFFICDFYSSPHWGSSEGGKTFSWPGTSPGALSPGELSPGALSPGALSPGALVPGALTPGALAPGALVPGALTPGALVPGALTPGALAPGALVPGALTPGALVPGALTPGALAPGALVPGALTPGALVPGALTPGALVPG-  AFAN--KFGKGFVDISCSNDNGFI-
7305601.m                               MRVPILTIER-                                ALAPGALTPGALVPGALVPGALTPGALVPGALT-
38079278.m                               MRVPILTIER-                                ALAPGALTPGALVPGALVPGALTPGALVPGALT-
TKX.h                                     MRVPILTIER-                                ALAPGALTPGALVPGALVPGALTPGALVPGALT-
6753196.m                               MNSKSIIEELLKK-                                SQQKKKSPNKKRLFLVITKSLSYEYDKM-
BMX.h                                     MKDDNMDTKSIIEELLKK-                           SQQKKKSPNKKRLFLVITKSLSYEYDKM-
34880098.m  --MNSKSIIEELLKK-                                SQQKKMSINKKRLFLVITKSLSYEYDKMLLTCFRI
34881511.m  --MNSKSIIEELLKK-                                SQQKKKTSPLNKKRLFLVITVHKLHYEYDFER
7709994.m  --MNSKSIIEELLKK-                                SQQKKKTSPLNKKRLFLVITVHKLHYEYDFER
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lqpc_A
2src_
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210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400
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24582767.f  --CRLNFWNH-            IGHSLTSSKTKBNGSSPAQN-            STRSISPNSTTNSQFSLCHNSSGSLGG-            GVGGGLGGGSLGLGGGGGGGSGSCTPTSLQPSSSLTFKQSPDLLN-            NGTLLDANMPGG-IPTPGTPNSKARDNS
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34880171.m  --MNSKSIIEELLKK-                                SQQKKKSPNKKRLFLVITKSLSYEYDKM-
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ITK.h                                     MNSKSIIEELLKK-                                SQQKKKSPNKKRLFLVITKSLSYEYDKM-
18858911.d  --MNSKSIIEELLKK-                                SQQKKKSPNKKRLFLVITKSLSYEYDKM-
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34877399.m  MFFICDFYSSPHWGSSEGGKTFSWPGTSPGALSPGELSPGALSPGALSPGALVPGALTPGALAPGALVPGALTPGALVPGALTPGALAPGALVPGALTPGALVPGALTPGALAPGALVPGALTPGALVPGALTPGALAPGALVPGALTPGALVPGALTPGALAPGALVPGALTPGALVPG-  AFAN--KFGKGFVDISCSNDNGFI-
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TKX.h                                     MNSKSIIEELLKK-                                SQQKKKSPNKKRLFLVITKSLSYEYDKM-
6753196.m  --MNSKSIIEELLKK-                                SQQKKKSPNKKRLFLVITKSLSYEYDKM-
BMX.h                                     MNSKSIIEELLKK-                                SQQKKKSPNKKRLFLVITKSLSYEYDKM-
34880098.m  --MNSKSIIEELLKK-                                SQQKKKSPNKKRLFLVITKSLSYEYDKM-
34881511.m  --MNSKSIIEELLKK-                                SQQKKKSPNKKRLFLVITKSLSYEYDKM-
7709994.m  --MNSKSIIEELLKK-                                SQQKKKSPNKKRLFLVITKSLSYEYDKM-
BTK.h                                     MNSKSIIEELLKK-                                SQQKKKSPNKKRLFLVITKSLSYEYDKM-
lk2p_BTK
lqpc_A
2src_
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24582767.f HFVKLVVALYERKALTEGGDLSLEKKN AEYEVITDSDQBEHWKVKRD ALGNVGYLPSNYVVP KALLGLERYE YVGDMSRORABSLLRQ GDKEGCFVVRKSSST KGLVTLSDLETKVP QS BVKHYEIKONAR CEVYLSKHCCEETPDLLN

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31222210.i FRVKLVVALYERKALTEGGDLSLEKKN AEYEVITDSDQBEHWKVKRD ALGNVGYLPSNYVVP KALLGLERYE YVGDMSRORABSLLRQ GDKEGCFVVRKSSST KGLVTLSDLETKVP QS BVKHYEIKONAR CEVYLSKHCCEETPDLLN

34880171.m NTEETVWAMYDFQATEAHDRLRERGS QEYVILKNDTHFWRRARD QHCEGYLPSNYVVG KYGCEGYLPSNYVVG KKNENLDQYE YCRNINRSKAEQLLRT EDKEGCFMVRDSSQ PGLYTVSLYTKFGGEGSS GRHYEIKETAATSPKK VYLAEKHAFESTPELLE

34877298.m NTEETVWAMYDFQATEAHDRLRERGS QEYVILKNDTHFWRRARD QHCEGYLPSNYVVG KYGCEGYLPSNYVVG KKNENLDQYE YCRNINRSKAEQLLRT EDKEGCFMVRDSSQ PGLYTVSLYTKFGGEGSS GRHYEIKETAATSPKK VYLAEKHAFESTPELLE

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TEC.h NSEETVWAMYDFQAEAGHDLRERERGS QEYVILKNDTHFWRRARD QHCEGYLPSNYVVG KYGCEGYLPSNYVVG KKNENLDQYE YCRNINRSKAEQLLRT EDKEGCFMVRDSSQ PGLYTVSLYTKFGGEGSS GRHYEIKETAATSPKK VYLAEKHAFESTPELLE

6754386.m ---LVIALYDYQTNDPCEALRCD BEYVLLDSSSEHFWRRVD KNCEGYLPSNYVVE KSNENLEIYE YNKSISRDKAEKLLD TKCEGAFMVRDSSQ PGLYTVSVFKKALISENN PCKHYEIKETINDSPKR VYVAEKYVFPSTPELLE

34871240.m ---LVIALYDYQTNDPCEALRCD BEYVLLDSSSEHFWRRVD KNCEGYLPSNYVVE KSNENLEIYE YNKSISRDKAEKLLD TKCEGAFMVRDSSQ PGLYTVSVFKKALISENN PCKHYEIKETINDSPKR VYVAEKYVFPSTPELLE

ITK.h ---VVIALYDYQTNDPCEALRCD BEYVLLDSSSEHFWRRVD KNCEGYLPSNYVVE KSNENLEIYE YNKSISRDKAEKLLD TKCEGAFMVRDSSQ PGLYTVSVFKKALISENN PCKHYEIKETINDSPKR VYVAEKYVFPSTPELLE

18858911.d ---LVVALRNFILPKRHTDPLRCD BEYVIVDCESEHFWRRVD KNCEGYLPSNYVVE KSNENLEIYE YNKSISRDKAEKLLD TKCEGAFMVRDSSQ PGLYTVSVFKKALISENN PCKHYEIKETINDSPKR VYVAEKYVFPSTPELLE

34880173.m ---IRVKALYDFLFRPFCNLAARRA BEYVILRCDHFWRRARD RLCEGLIPSNVVE NRTLNLEIYE YKKNINRDRDQERLLRQ EAKEGAFIVRDSRH LGSYTIISVFTARRHTQS SKHYOIKKNDSS GQVYVERHFFSVPELLE

34877399.m ---IRVKALYDFLFRPFCNLAARRA BEYVILRCDHFWRRARD RLCEGLIPSNVVE NRTLNLEIYE YKKNINRDRDQERLLRQ EAKEGAFIVRDSRH LGSYTIISVFTARRHTQS SKHYOIKKNDSS GQVYVERHFFSVPELLE

7305601.m ---IQVKALYDFLFRPFCNLAARRA BEYVILRCDHFWRRARD RLCEGLIPSNVVE NRTLNLEIYE YKKNINRDRDQERLLRQ EAKEGAFIVRDSRH LGSYTIISVFTARRHTQS SKHYOIKKNDSS GQVYVERHFFSVPELLE

38079278.m ---IQVKALYDFLFRPFCNLAARRA BEYVILRCDHFWRRARD RLCEGLIPSNVVE NRTLNLEIYE YKKNINRDRDQERLLRQ EAKEGAFIVRDSRH LGSYTIISVFTARRHTQS SKHYOIKKNDSS GQVYVERHFFSVPELLE

TXK.h ---IQVKALYDFLFRPFCNLAARRA BEYVILRCDHFWRRARD RLCEGLIPSNVVE NRTLNLEIYE YKKNINRDRDQERLLRQ EAKEGAFIVRDSRH LGSYTIISVFTARRHTQS SKHYOIKKNDSS GQVYVERHFFSVPELLE

6753196.m ---ALPQYDYSYKSKSCGQSPITS NRYIYREDCEPDMQVRKPKSE EDIACSNOLERNYHSTSKMSWGFPESSSS EBENLHAYD FAGNLSRQSESLLRQ KKEGAFMVRDSSQ MGYTVSLSFKAVNDKKG VYKHYEIKHNAE NKLYLAENYCFDPSPKLH

BMX.h ---TTLAQYDSESKNYGSPSSSSTSLAQYDYSNKKIYGSQPFNMQYIYREDCEPDMQVRKPKSE EDIACSNOLERNYHSTSKMSWGFPESSSS EBENLHAYD FAGNLSRQSESLLRQ KKEGAFMVRDSSQ MGYTVSLSFKAVNDKKG VYKHYEIKHNAE NKLYLAENYCFDPSPKLH

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34881511.m SELKRVVALYDYMPMNANDLQRKGS BEYVILRCDHFWRRARD KNCEGYLPSNYVVE EADSIEIEME YSKHMTRSQAELLRQ EKKEGCFIVRDSK ACRYTVSVFAKSTGDPQQ VIRHYVVCSTPQ SCYLAEKHFFSTPELLE

7709994.m TELKRVVALYDYMPMNANDLQRKGS BEYVILRCDHFWRRARD KNCEGYLPSNYVVE EADSIEIEME YSKHMTRSQAELLRQ EKKEGCFIVRDSK ACRYTVSVFAKSTGDPQQ VIRHYVVCSTPQ SCYLAEKHFFSTPELLE

BTK.h SELKRVVALYDYMPMNANDLQRKGS DEYVILRCDHFWRRARD KNCEGYLPSNYVVE EADSIEIEME YSKHMTRSQAELLRQ EKKEGCFIVRDSK ACRYTVSVFAKSTGDPQQ VIRHYVVCSTPQ SCYLAEKHFFSTPELLE

1k2p\_BTK

1qpc\_A

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610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790 800

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TXK.h YHQYNSGGLVTRRLRYPVCSWRQKAPVTTAGLRVYKVIQPSSELFFVQETGGGQFGLVLELQYMLNKKVAIKITIQEAMSEEDFTEAAEVMKLSHKLQVGLVYGVCSKRRPIYIVTEYMKHGSLLNLRHEKTLIIGNMGLLDMCQVSKGMVYLRHNYIHRDLAARNCLVGSSENVKRVADFGLARVYLDQYVTSSSGQK

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BTK.h YHQYNSGGLVTRRLRYPVCSWRQKAPVTTAGLRVYKVIQPSSELFFVQETGGGQFGLVLELQYMLNKKVAIKITIQEAMSEEDFTEAAEVMKLSHKLQVGLVYGVCSKRRPIYIVTEYMKHGSLLNLRHEKTLIIGNMGLLDMCQVSKGMVYLRHNYIHRDLAARNCLVGSSENVKRVADFGLARVYLDQYVTSSSGQK

1k2p\_BTK

1qpc\_A

2src\_ YVSKHADLCHRLTT--VCPTSKPQCCGLAKDA EIPERSRLEVLKCGCGGSMVCGTNGTTRVAIKRLKPGTMSBEAFLQEAQVMKLSHKLQVGLVYGVCSKRRPIYIVTEYMKHGSLLNLRHEKTLIIGNMGLLDMCQVSKGMVYLRHNYIHRDLAARNCLVGSSENVKRVADFGLARVYLDQYVTSSSGQK

	810	820	830	840	850	860	870	880	890	900	910
24582767.f	FPIK	APPEVLNYDRFSSKSDV	AYGVLM	EIFTGCKMPYGRLLKNEVVERVVRGCIIL	DRPKSCAKBIYDVMKLC	SHGPEBRPAFRVLMDOALVA	TLTD	-----			
17136512.f	FPIK	APPEVLNYDRFSSKSDV	AYGVLM	EIFTGCKMPYGRLLKNEVVERVVRGCIIL	DRPKSCAKBIYDVMKLC	SHGPEBRPAFRVLMDOALVA	TLTD	-----			
24582764.f	FPIK	APPEVLNYDRFSSKSDV	AYGVLM	EIFTGCKMPYGRLLKNEVVERVVRGCIIL	DRPKSCAKBIYDVMKLC	SHGPEBRPAFRVLMDOALVA	TLTD	-----			
17136510.f	FPIK	APPEVLNYDRFSSKSDV	AYGVLM	EIFTGCKMPYGRLLKNEVVERVVRGCIIL	DRPKSCAKBIYDVMKLC	SHGPEBRPAFRVLMDOALVA	TLTD	-----			
31222210.i	FPIK	APPEVLNYDRFSSKSDV	AYGVLM	EIFTGCKMPYGRLLKNEVVERVVRGCIIL	DRPKSCAKBIYDVMKLC	SHGPEBRPAFRVLMDOALVA	TLTD	-----			
34880171.m	FVVK	CPPEVLNYDRFSSKSDV	SFGVLM	EIFTGCRMPFEKNTNYEVVIMVVRGHRLL	DRPKLASKVLYDVMKLC	QERPEGRPSFEDLLRTHDELVE	CEETFGR	-----			
34877298.m	FVVK	CPPEVLNYDRFSSKSDV	SFGVLM	EIFTGCRMPFEKNTNYEVVIMVVRGHRLL	DRPKLASKVLYDVMKLC	QERPEGRPSFEDLLRTHDELVE	CEETFGR	-----			
7305569.m	FVVK	CPPEVLNYDRFSSKSDV	SFGVLM	EIFTGCRMPFEKNTNYEVVIMVVRGHRLL	DRPKLASKVLYDVMKLC	QERPEGRPSFEDLLRTHDELVE	CEETFGR	-----			
TEC.h	FVVK	CPPEVLNYDRFSSKSDV	SFGVLM	EIFTGCRMPFEKNTNYEVVIMVVRGHRLL	DRPKLASKVLYDVMKLC	QERPEGRPSFEDLLRTHDELVE	CEETFGR	-----			
6754386.m	FVVK	ASPEVFSRYSKSDV	SFGVLM	EVFSGKIPYENRNSSEVVEDISTGFRLLKPRLASCHVYVIMNHC	WCKSPEDRPFESQLLSQDAEIASGL	-----					
34871240.m	FVVK	ASPEVFSRYSKSDV	SFGVLM	EVFSGKIPYENRNSSEVVEDISTGFRLLKPRLASCHVYVIMNHC	WCKSPEDRPFESQLLSQDAEIASGL	-----					
ITK.h	FVVK	ASPEVFSRYSKSDV	SFGVLM	EVFSGKIPYENRNSSEVVEDISTGFRLLKPRLASCHVYVIMNHC	WCKSPEDRPFESQLLSQDAEIASGL	-----					
18858911.d	FVVR	SPPEVHKYKSSKSDV	SFGVLM	EVFSGKIPYENRNSSEVVEDISTGFRLLKPRLASCHVYVIMNHC	WCKSPEDRPFESQLLSQDAEIASGL	-----					
34880173.m	FVVK	SPPEVHKYKSSKSDV	SFGVLM	EVFSGKIPYENRNSSEVVEDISTGFRLLKPRLASCHVYVIMNHC	WCKSPEDRPFESQLLSQDAEIASGL	-----					
34877399.m	FVVK	SPPEVHKYKSSKSDV	SFGVLM	EVFSGKIPYENRNSSEVVEDISTGFRLLKPRLASCHVYVIMNHC	WCKSPEDRPFESQLLSQDAEIASGL	-----					
7305601.m	FVVK	CPPEVHKYKSSKSDV	SFGVLM	EVFSGKIPYENRNSSEVVEDISTGFRLLKPRLASCHVYVIMNHC	WCKSPEDRPFESQLLSQDAEIASGL	-----					
38079278.m	FVVK	CPPEVHKYKSSKSDV	SFGVLM	EVFSGKIPYENRNSSEVVEDISTGFRLLKPRLASCHVYVIMNHC	WCKSPEDRPFESQLLSQDAEIASGL	-----					
TXK.h	FVVK	SPPEVHKYKSSKSDV	SFGVLM	EVFSGKIPYENRNSSEVVEDISTGFRLLKPRLASCHVYVIMNHC	WCKSPEDRPFESQLLSQDAEIASGL	-----					
6753196.m	FVVK	SAPEVHYKSSKSDV	AFGILM	EVFSGKIPYDLYDSEVVKVSGQHRLLRPHLASDTHYVIMYS	CHBELPKRPTFQQLLSAHELRE	QDKP	-----				
BMX.h	FVVK	SAPEVHYKSSKSDV	AFGILM	EVFSGKIPYDLYDSEVVKVSGQHRLLRPHLASDTHYVIMYS	CHBELPKRPTFQQLLSAHELRE	QDKH	-----				
34880098.m	FVVK	SAPEVHYKSSKSDV	AFGILM	EVFSGKIPYDLYDSEVVKVSGQHRLLRPHLASDTHYVIMYS	CHBELPKRPTFQQLLSAHELRE	QDKP	-----				
34881511.m	FVVR	SPPEVLMYKSSKSDI	AFGVLM	EIYSLGKIPYERETNSEAETHAQGLRLRPHLASDRVYVIMYS	CHBKADDRPSFKILLSNLDVMD	EES	-----				
7709994.m	FVVR	SPPEVLMYKSSKSDI	AFGVLM	EIYSLGKIPYERETNSEAETHAQGLRLRPHLASDRVYVIMYS	CHBKADDRPSFKILLSNLDVMD	EES	-----				
BTK.h	FVVR	SPPEVLMYKSSKSDI	AFGVLM	EIYSLGKIPYERETNSEAETHAQGLRLRPHLASDRVYVIMYS	CHBKADDRPSFKILLSNLDVMD	EES	-----				
1k2p_BTK	FVVR	SPPEVLMYKSSKSDI	AFGVLM	EIYSLGKIPYERETNSEAETHAQGLRLRPHLASDRVYVIMYS	CHBKADDRPSFKILLSNLDVMD	EES	-----				
lqpc_A	FPIK	TAPBAIYGRFTTKSDV	SFGILL	SEIYVHGRIPYPGMTPNEVIONLRCYRMRPDCPEBLYLMLRC	WKRPEBRPTFDYRSVLEDFFTATEGQYQPQP	-----					
2src_	FPIK	TAPBAIYGRFTTKSDV	SFGILL	SEIYVHGRIPYPGMTPNEVIONLRCYRMRPDCPEBLYLMLRC	WKRPEBRPTFDYRSVLEDFFTATEGQYQPQP	ENL	-----				