

	10	20	30	40	50	60				
<i>CAMKKMmu</i> ,/1-251			YDFRDV	LGTGAF	SEVILA	EDKR--TQKL--V-AIKCIAK				
<i>NrkCfa</i> ,/1-258			YVLTITLV	GRNPTTAA	FVATRGSDP	SEKV--VAKFVMLNDD				
<i>Nrk6Cre</i> ,/1-257			YDVQKPV	GKGGYAVV	YKGI RRD--DGRV--V-AVKKVEIFEM					
<i>Nek7simCel</i> ,/1-266			FIIIEKKI	GKGGQFSE	VFR AQCTW--VDLH--V-ALKKIQVFEMV					
<i>NEK6Hs</i> ,/1-266			FQIEKKI	GRGQFSE	VYKATCLL--DRKT--V-ALKKVQIFEMM					
<i>NEK7Hs</i> ,/1-265			FRIEKKI	GRGQFSE	VYRAACLL--DGVP--V-ALKKVQIFDLM					
<i>Nek82Cel</i> ,/1-264			YEKVRV	VGRGAF	GVCWLCRGN--DASHQKV--IIKLINTHGM					
<i>NEK9Nercc1</i> ,/1-257			YIPIRV	LGRGAF	GEATLYRRE--DDSL--V-VWKEVDLTRL					
<i>NRK16Tth</i> ,/1-256			YKVLKT	LGGQAG	SGSELVQKN--DGNL--Y-ALKTI SMKYM					
<i>NRK24Tth</i> ,/1-256			YKVIRM	IGQGAG	GSVELVQKRS--DGQL--F-ALKTI SMKFM					
<i>Nek81Cel</i> ,/1-254			YERIRT	VGKGA	FSAVLYRRRE--DSSL--V-IIKEINMYDL					
<i>Nek8simDme</i> ,/1-254			YEKVRV	VGGQSF	GIAILYRRKS--DGHQ--I-VFKQINLSEL					
<i>Fin1Spo</i> ,/1-278			YKILEC	IGHGS	FGR IYKVQR	LK--DGAL--L-AQKEIHFGNI				
<i>TvSTEPK</i> /1-307			MLDK	YEIERL	GQGSFGSVCKA	IRKS--DQKV--V-AIKEISYSQM				
<i>TvAGCPK</i> /1-307			MFSKPN	LEGEY	EIKDFIGKGS	FGQAYIAIRKS--DNKT--V-ALKQINYGNM				
<i>KIN3Sce</i> ,/1-323			YQVLEE	IGRGS	FGSVRKVIHI	P--TKKL--L-VRKDIKYGHM				
<i>Nek2simDme</i> ,/1-263			YEVLA	VMGN	GSFGTCYKVR	DKS--TGEL--F-AWKG MNYDEL				
<i>Ng29678</i> /1-363			METGL	ADFDVV	EQLGHGS	FGSVYKVK	SKK--DHR I--Y-VWKEIDYGRM			
<i>NIM1Ncr</i> ,/1-284			YELLE	EIGHGS	FGIIRK	VRRKA--DGM I--L-CRKEISYLKM				
<i>NIMAAnid</i> ,/1-285			YEVLE	EIGHGS	FGIIRK	VKRKS--DGFI--L-CRKEINYIKM				
<i>NRK5Tth</i> ,/1-259			FEILSK	LGE	GSFSTVYR	VRRGK--DGKE--Y-ALKRIKMMKL				
<i>NRK4Tth</i> ,/1-257			FDVIRK	LGE	GAYSSV	VFKVRKIS--NGQD--Y-AMKNIKMGS				
<i>NRK2Tth</i> ,/1-257			FVNLQK	IGEG	SYSSVHK	VRRIS--DNQE--Y-ALKKVKLSGL				
<i>NRK31Ttha</i> ,/1-263			FEVISK	LGE	GSFSQVFQV	KRKS--DGM I--Y-AMKKVKMGLL				
<i>NRK1Tth</i> ,/1-259			FEILK	RLEG	GSFGSVYQ	VKRKS--DEKI--Y-AMKKVKMMSL				
<i>NRK3Tth</i> ,/1-258			FNVQKT	LGN	GAFSWVYK	VQRKQ--DGQV--Y-ALKKVKLREL				
<i>NRK7Tth</i> ,/1-257			FDI	IKTLG	EGSFAKVYK	VVRKS--DGQS--Y-AMKRCKIGLM				
<i>NRK9Tth</i> ,/1-273			FKILCK	LGE	GSFSTVFKV	LRLV--DNKI--Y-AMKKVQMSRL				
<i>13981lc</i> /1-1109			MSAHHI	SSRYH	ILEPY	SVEPHIQV	S LAKNKE--TGEL--V-DYHNICYEKL			
<i>17231lc</i> /1-1006			MLR	IAFANRY	TVRHAIEE	GSESTWYS	VERKN--DGLP--F-SCREYSVRHL			
<i>24321disc</i> /1-288			MQTF	SFADKY	TEVGV	IEEA	EYQRLVEVQDKE--TGER--Y-LCRQISLEEY			
<i>17250</i> /1-854			MTLYL	PPAY	EAVRY	LNSDI	YGISY	LVRDRN--LDLSA--T-CRIVSEADV		
<i>15409</i> /1-515			MDG	QAFAMDY	QPVAD	IYSTGV	HEIASARSTRDP	SSNI--ALFTCSYGGF		
<i>11775</i> /1-1618			MADNE	YTLISQV	SATENCK	TMLVQ	HNG--TGN Y--AFKYFYT SWP			
<i>8445</i> /1-597			MG	IAEKLA	EYRELMA	IKRGHY	GIVHK	VEHIS--TKKI--Y-ARKTVKYGKL		
<i>11311_mp</i> /1-367	MYNAN	PKP	SQQGG	ARESR	DSRDVR	QQYIF	LNII	IGSGS	FGKVHK	VQSRT--NGRI--F-ACKEIDYAKM
<i>95593</i> /1-376			MSDP	TIH	DAYDF	VAIC	GAGS	FGKVHK	VRSKE--DGQI--Y-ACK	

	80	90	100	110	120	130
<i>CAMKKMmu</i> ,/1-251	E <b>G</b> -- K	--- E <b>G</b> S M E N	---	E I A V L H K I K <b>HPN</b> I V A L D D I Y E S	-- <b>GGH</b> L Y L I M Q L V S G G E L F D	
<i>NrkCfa</i> ,/1-258	--- K	--- <b>Q</b> A T Y A R S	---	E L H C L A A C T H F <b>G</b> I V K H Y D D F K S	-- E D K L L L I M E Y <b>G</b> S G G D L N K	
<i>Nrk6Cre</i> ,/1-257	S A -- K	--- K R D R C L Q	---	E V T L L Q Q L D <b>HPN</b> I I Q M L D A F I D	-- E N M L I I F E W A <b>P</b> A G D L K R	
<i>Nek7simCel</i> ,/1-266	D Q -- K	--- A R Q D C L K	---	E I D L L K Q L N H V N V I R Y Y A S F I D	-- N N Q L N I V L E L A E A G D M S R	
<i>NEK6Hs</i> ,/1-266	D A -- K	--- A R Q D C V K	---	E I <b>G</b> L L K Q L N <b>HPN</b> I I K Y L D S F I E	-- D N E L N I V L E L A D A G D L S Q	
<i>NEK7Hs</i> ,/1-265	D A -- K	--- A R A D C I K	---	E I D L L K Q L N <b>HPN</b> V I K Y Y A S F I E	-- D N E L N I V L E L A D A G D L S R	
<i>Nek82Cel</i> ,/1-264	T E -- K	--- E E N S I Q S	---	E V N L L K K V Q <b>HP</b> L I I <b>G</b> Y I D S F I M	-- D N Q L <b>G</b> I V M <b>Q</b> Y A E G G T L E R	
<i>NEK9Nercc1</i> ,/1-257	S E -- K	--- E R R D A L N	---	E I V I L A L L Q <b>HDN</b> I I A Y Y N H F M D	-- N T T L L I E L E Y C N G G N L Y D	
<i>NRK16Tth</i> ,/1-256	N D -- T	--- E K R S A Q S	---	E V T L L K V L V A P T I R Y Y E A F V Q	-- N D S I Y I V M E Y A K E G A L S D	
<i>NRK24Tth</i> ,/1-256	D D -- <b>Q</b>	--- <b>Q</b> K K M A Q Q	---	E I T L L K V L V A P S I I R Y Y E S F V E	-- N D S I H I I M E Y A K E G A L S D	
<i>Nek81Cel</i> ,/1-254	D S -- S	--- <b>Q</b> R R L A L N	---	E V S L L S R I E <b>HPN</b> I I A Y Y D S F E E	-- E <b>G</b> V L M I E M E Y A D G G T L A Q	
<i>Nek8simDme</i> ,/1-254	S <b>P</b> -- <b>P</b>	--- <b>G</b> R D L A M N	---	E V D V F S K L H <b>HPN</b> I V S Y L <b>G</b> S F I K	-- D N T L L I E M E Y A D G G T L A Q	
<i>Fin1Spo</i> ,/1-278	T R -- <b>Q</b>	--- <b>E</b> K Q Y I A D	---	E V N I L R N L K <b>HPN</b> I V Q Y C <b>G</b> E E L N R S A Q V	I N L Y M E Y C <b>G</b> H G D L A N	
<i>TvSTEPK</i> /1-307	D N -- K	--- K K Q M L I N	---	E V N A L R N I Q N E H V V <b>G</b> Y Y D R I V V R E K K L M Y	I V M E Y C E K G D L Q Q	
<i>TvAGCPK</i> /1-307	S T -- H	--- <b>E</b> K E M L V N	---	E C N I L K K L R N D N I V T Y Y D R I V D T S Q R T	L F L I M E Y C S G G D L Q K	
<i>KIN3Sce</i> ,/1-323	N S -- K	--- <b>E</b> R Q Q L I A	---	E C S I L S Q L K H E N I V E F Y N W D F D E Q K E V L Y	L Y M E Y C S R G D L S Q	
<i>Nek2simDme</i> ,/1-263	D E -- A	--- K C D A L V S	---	E I S V L R Q L Q <b>HPN</b> I V Q Y Y H H L V N R E A K S V Y	I V M E C C A G G D L A Q	
<i>Ng29678</i> /1-363	S E -- K	--- <b>E</b> K Q L I V T	---	E V N I L K D L E N K N I V K Y F N R Y I D K N K R K L Y	I L M E C C E G G D L G K	
<i>NIM1Ncr</i> ,/1-284	S Q -- K	--- E R E Q L H A	---	E F S I L S T L R <b>HPN</b> I V <b>G</b> Y Y H R E H L K A T Q D L H	L Y M E Y C G N G D L G R	
<i>NIMAAnid</i> ,/1-285	S T -- K	--- E R E Q L T A	---	E F N I L S S L R <b>HPN</b> I V A Y Y H R E H L K A S Q D L Y	L Y M E Y C G G G D L S M	
<i>NRK5Tth</i> ,/1-259	N E -- K	--- E R E N A V N	---	E V R F L A S I N C R N I I S Y K Q A I Y D E <b>G</b> V N Q L C V	I M E Y A E G G D L A R	
<i>NRK4Tth</i> ,/1-257	S A -- K	--- <b>E</b> Q E N A I N	---	E V R F L A S L S <b>S</b> Q E I I <b>G</b> Y K E A F Y D E K T <b>G</b> L H I	I M E Y C A G G D L L N	
<i>NRK2Tth</i> ,/1-257	S E -- K	--- <b>E</b> K D N A L N	---	E I R I L A S I A <b>HPN</b> M I A Y K D A F F D E S S H S L C	I V M E L A V N G D L S K	
<i>NRK31Ttha</i> ,/1-263	K E -- K	--- <b>E</b> K E N A L N	---	E V R I L A S L N D E F I V <b>G</b> Y K E A F I D E Q S Q I L C V	M E Y A A G G D L Q G	
<i>NRK1Tth</i> ,/1-259	S T -- K	--- <b>E</b> K E N A L N	---	E V R I L A S I K <b>S</b> D N I I S Y K E A F Y D E K S S T L C	I M E F A T K G D V L Q	
<i>NRK3Tth</i> ,/1-258	S Y -- K	--- <b>E</b> K E N A L N	---	E I R I L A S I N <b>S</b> P H I I R Y K D A F Y D N A S <b>G</b> C L C	I V M E Y A E N G D L M A	
<i>NRK7Tth</i> ,/1-257	K Q -- R	--- <b>D</b> K D N A L N	---	E V R I L A S I K N Q Y V I A Y K E A I Y D E Q S E C L F V	I M E Y A A G G D L H Q	
<i>NRK9Tth</i> ,/1-273	N E -- K	--- <b>E</b> K <b>G</b> N <b>S</b> L N	---	E I R I L A S I K C D H I I E Y R D S F F D D Q S D T L C	I V M E Y A G S G D L L Q	
<i>13981c</i> /1-1109	L V -- H	--- <b>P</b> Q E P D F I	---	A L E R Y M Q L R <b>HP</b> C L L N I L D V Y H N K <b>P</b> A R K V V V I T E R	<b>S</b> P S H E L A D	
<i>17231c</i> /1-1006	D S -- <b>G</b>	--- Y N <b>G</b> F D H A	---	S I K E L L S I V H P Y M L R V M E I I Y D Q E V Q K V Y V V T E L	N S H N N L R Y	
<i>24321disc</i> /1-288	T T -- K	--- V C D L C K T	---	<b>D</b> I T L <b>S</b> T Q V A <b>S</b> P F F A T V H E A T Y E A K S K K V F V L M E D F P M G T L N D		
<i>17250</i> /1-854	<b>G</b> R -- <b>G</b>	--- R Y A L I R D	---	L A R Q A H R L D H E S I T P L L E A F V D D E Q E C I F - L I S R G A G Q S L Y E		
<i>15409</i> /1-515	D E -- S	--- <b>D</b> R A T L R R R T <b>G</b> E Y C E F N N S	S T A V Q <b>P</b> D L L <b>S</b> P Y L A R L S H Y F N D D A S A L L T M <b>G</b> L <b>P</b> Y G V N - T L Y D			
<i>11775</i> /1-1618	--- V	--- <b>P</b> N A R L R S	---	C M D A Y L Q L T C P H I I R L Q T Y S I D - - T A F T L V T D M T N G P S L R S		
<i>8445</i> /1-597	D Q -- R	--- <b>G</b> V E L I M R	---	E A N L L S R M K H I N V L <b>G</b> Y H D V V I D E V E K V I Y I F T E F C N K G D L F Q		
<i>11311_mp</i> /1-367	S E -- K	--- <b>E</b> K K L L V H	---	E V N T L K E L S H E N I V S Y I D R F V E R E N A K M F I V M E Y C E N G D L A K		
<i>95593</i> /1-376	S S -- K	--- <b>E</b> K E L L V S	---	E V N L L R K L N <b>HPN</b> I V K Y I R R Y Q D K A A T L I Y I V M D Y C S K G D L S D		

	140	150	160	170	180	190	200
<i>CAMKKMmu</i> ,/1-251	R I V E K G			F Y T E R D A S R L I F Q V L D A V K Y L H D L			
<i>NrkCfa</i> ,/1-258	Q I K Q R L	K E H L		P F Q E Y E V G L L F Y Q I V L A L D E V H T R			
<i>Nrk6Cre</i> ,/1-257	L I K K T A	E Q G K		T L D E P S I W T L F Y Q V T D G L R Y M H Q H			
<i>Nek7simCel</i> ,/1-266	M I K H F K	K G G R		L I P E K T I W K Y F V Q L A R A L A H M H S K			
<i>NEK6Hs</i> ,/1-266	M I K Y F K	K Q K R		L I P E R T V W K Y F V Q L C S A V E H M H S R			
<i>NEK7Hs</i> ,/1-265	M I K H F K	K Q K R		L I P E R T V W K Y F V Q L C S A L E H M H S R			
<i>Nek82Cel</i> ,/1-264	L I N D Q R A I K D S N M R E			Y F P E K T V L D Y F T Q I L I A L N H M H Q K			
<i>NEK9Nercc1</i> ,/1-257	K I L R Q K	D K		L F E E E M V V W Y L F Q I V S A V S C I H K A			
<i>NRK16Tth</i> ,/1-256	K I Q E H K	T K G I		R I D E E T I L Y F T A Q I V I A L F F M H Q K			
<i>NRK24Tth</i> ,/1-256	K I T E H K	Q K G I		P I D E E T V L Y F T A Q I I I S V L F M H S K			
<i>Nek81Cel</i> ,/1-254	M L S R T Q	N		L L D E E Q I G D M M I Q M C S A V A Y L H E N			
<i>Nek8simDme</i> ,/1-254	I I A E R Q	G K L		H F P E R Y I I A V F E Q I S S A I N Y M H S E			
<i>Fin1Spo</i> ,/1-278	L I Q R Y K	E E K K		R F T E Q E V L K F F T Q L L L A L Y R C H Y G E N A P A C D S Q W P R E I			
<i>TvSTEPK</i> /1-307	L I R K T R	A D N D		R I P E S A I W Q V L T D M C I A L D S C H P			
<i>TvAGCPK</i> /1-307	F I Q N S T	S		P I G E N Q I W L S L S E L A L A L N E C H N G K E			
<i>KIN3Sce</i> ,/1-323	M I K H Y K	Q E H K		Y I P E K I V W G I L A Q L L T A L Y K C H Y G V E L P T L T T I Y D R M K			
<i>Nek2simDme</i> ,/1-263	I V Q R A R	S Q R Q		R F E E P Y I W R V L F Q L C R A L Q V C H N K I P N G			
<i>Ng29678</i> /1-363	F I Q S I K	K T S G		K I E E A T V L K I F S E V C C A L K E C H T R K S G			
<i>NIM1Ncr</i> ,/1-284	V I R N L I	K N N Q		Y A E E S F V W S I F S Q L V T A L Y R C H Y G V D P P E V G K T V L G L G			
<i>NIMAAnid</i> ,/1-285	V I K N L K	R T N K		Y A E E D F V W R I L S Q L V T A L Y R C H Y G T D P A E V G S N L L G P A			
<i>NRK5Tth</i> ,/1-259	I I R H A S	K A G K		Y I E E D M I W S Y A I Q M T I G I K A L H D L			
<i>NRK4Tth</i> ,/1-257	K I R N L K	K K N Q		Y L D E K V V W L Y I I Q M I K G L K C L H D L			
<i>NRK2Tth</i> ,/1-257	K I D S A K	K R N S		F V P E E E I W T V A L H M L R G L K A M H S K			
<i>NRK31Ttha</i> ,/1-263	K I T A N I	K S K T		M F P E S E V W K A L I H M S K G L Q I L H Q M			
<i>NRK1Tth</i> ,/1-259	Q I S E K K	K K H S		Y F E E N L I W K Y A A D M L L G L K S L H D M			
<i>NRK3Tth</i> ,/1-258	K L Q D Y K	K R N M		F M D E A K I W K Y A A Q I L L G L K S L H D L			
<i>NRK7Tth</i> ,/1-257	Q V K S C I	K S K T		Y L D E N Q I W I W T I Q M L Y G L K A L H D L			
<i>NRK9Tth</i> ,/1-273	K L K E Y K	L I N E K L L E D G Q N E T S E S Q M V		F M D E E L I W D Y F I Q C L K G L K C L H D L			
<i>13981lc</i> /1-1109	L I T N Y K	S S G T		L I P E E Q I W A I L Y S V C A G L S Y C H S N S K H N C P K V P			
<i>17231lc</i> /1-1006	M I D A Y W	K S R E		Q I G E G T I I R I I G E L A E A L K Y Y H T G V R P G M L P S T			
<i>24321disc</i> /1-288	Y L Y G L P	E D E		F L P E Q T C W C L L A C L V E A I C Q L H E P S R M K D I E H R F T R			
<i>17250</i> /1-854	Y S E E L C	F L Q V		N L E E E V I I T I L V E L I N A I L Y V Y S T N R K T D F T D A L A S			
<i>15409</i> /1-515	V M M A K A	Q S Y S		N F T E E E V W R V V A A L C D A A R F M H S E E K P D T E L E			
<i>11775</i> /1-1618	L I I K R R	I A Q Q		W F T S V E I W L L I T Q L L E G V K A Y Q S F Y A			
<i>8445</i> /1-597	L I D K H R	Y P R T		N I P E E R I W K L F G Q L L A L E Y C H C P T K E N F E L G E			
<i>11311_mp</i> /1-367	Y I K R H K	T D R R		Y I A E E K I W S V F V Q L L H A L N Y C H S I H S E D E S G V H			
<i>95593</i> /1-376	Y V K M H K	K T N Q		Y I S E D K I W S I F A Q L L I A L D Y C H S P N K P D S S G V G			

	210	220	230	240	250	260	270
<i>CAMKKMmu</i> ,/1-251		G I V H R D L K P E N L L Y Y S		L D E D - S K			
<i>NrkCfa</i> ,/1-258		R M M H R D L K S A N I F		L M P T - G I			
<i>Nrk6Cre</i> ,/1-257		R I M H R D I K P A N V L		V G A N - G A			
<i>Nek7simCel</i> ,/1-266		R I M H R D I K P A N V F		I T G N - G I			
<i>NEK6Hs</i> ,/1-266		R V M H R D I K P A N V F		I T A T - G V			
<i>NEK7Hs</i> ,/1-265		R V M H R D I K P A N V F		I T A T - G V			
<i>Nek82Cel</i> ,/1-264		N I V H R D L K P Q N I L		M N R R K T V			
<i>NEK9Nercc1</i> ,/1-257		G I L H R D I K T L N I F		L T K A - N L			
<i>NRK16Tth</i> ,/1-256		K I L H R D I K S Q N L F		L T K E - N V			
<i>NRK24Tth</i> ,/1-256		N I L H R D I K T Q N L F		L T K E - N I			
<i>Nek81Cel</i> ,/1-254		S V L H R D L K T A N V F		L T R D - S F			
<i>Nek8simDme</i> ,/1-254		N I L H R D L K T A N V F		L N R R - G I			
<i>Fin1Spo</i> ,/1-278	F H P K Q	S V L H R D I K P A N I F		L D E N - N S			
<i>TvSTEPK</i> /1-307		K M I H R D I K P G N I F		I S G N - G H			
<i>TvAGCPK</i> /1-307		R I I H R D I K P G N I F		I D S S - G H			
<i>KIN3Sce</i> ,/1-323	P P V K G	K N I V I H R D L K P G N I F		L S Y D - D S D Y N I N E Q V D G H E E V N S N Y Y R D H R V N S G K R G S P M			
<i>Nek2simDme</i> ,/1-263		T I L H R D I K P A N I F		L D A A - G N			
<i>Ng29678</i> /1-363		K V I H R D L K P G N I F		L D K D - L N			
<i>NIM1Ncr</i> ,/1-284	S T A R P - K P P S G G M T	I L H R D L K P E N V F		L G E D - N S			
<i>NIMAAnid</i> ,/1-285	P K P S G L K G K Q A Q M T	I L H R D L K P E N I F		L G S D - N T			
<i>NRK5Tth</i> ,/1-259		N I L H R D L K A A N V F		L D K Y Q T R			
<i>NRK4Tth</i> ,/1-257		N I L H R D F K C A N I M		L T R D H K N			
<i>NRK2Tth</i> ,/1-257		K I L H R D L K C A N V F		I S K Q - D E			
<i>NRK31Ttha</i> ,/1-263		Q I L H R D L K C A N V F		L S L E - G V			
<i>NRK1Tth</i> ,/1-259		K I L H R D L K G A N V F		I A E D - G S			
<i>NRK3Tth</i> ,/1-258		K I L H R D L K C A N I F		L G A N - N K			
<i>NRK7Tth</i> ,/1-257		K I L H R D L K C A N I F		L D S R - R N			
<i>NRK9Tth</i> ,/1-273		K I V H R D L K C A N I F		I G D N - N I			
<i>13981lc</i> /1-1109		K L V H R H V S S F S I L		I G E N - T S			
<i>17231lc</i> /1-1006		P N H Y R T L T P A S V L		V T K D - G V			
<i>24321disc</i> /1-288		A I I H R Y I M P R R I F		M V S E - T R			
<i>17250</i> /1-854		N L P S T G L D P L C I R		L S S K - G R			
<i>15409</i> /1-515		E F A H L G I H P A N I F		L Y A D G A R			
<i>11775</i> /1-1618		R V G A A A D T P P N L F		L S P F - F			
<i>8445</i> /1-597		I V I H R D I K P A N I L		I T N D - D V			
<i>11311_mp</i> /1-367		K V I H R D I K P G N V F		L T Q D - G S			
<i>95593</i> /1-376		R V I H R D L K T A N V F		L C E D - G S			

	280	290	300	310	320	330	340	
<i>CAMKKMmu</i> ,/1-251	IMISD	FGLS	KMEDP	GSVLS	TACGTPGYVAP	EVLAKP	YSK--AVDCWSIGV	
<i>NrkCfa</i> ,/1-258	IKLGD	FGFS	KQYND SVSLDVG	SSFCGTPYYLAP	ELWERKR	YSK--	KADMWSLGV	
<i>Nrk6Cre</i> ,/1-257	LKLG	LGLG	RQLSEQ--TMEAF	SKVGTPTYV	SP EVVRGAG	YDW--	KSDVW SMGC	
<i>Nek7simCel</i> ,/1-266	VKLG	LGLG	RFFSSK--TTAAH	SLVGTPTYM	SPERIQESG	YNF--	KSDLWSTGC	
<i>NEK6Hs</i> ,/1-266	VKLG	LGLG	RFFSSE--TTAAH	SLVGTPTYM	SPERIHENG	YNF--	KSDIWSLGC	
<i>NEK7Hs</i> ,/1-265	VKLG	LGLG	RFFSSK--TTAAH	SLVGTPTYM	SPERIHENG	YNF--	KSDIWSLGC	
<i>Nek82Cel</i> ,/1-264	LKLS	FGIS	KELGT--KSAAS	TVIGTPNYL	SP EICESRP	YNQ--	KSDMWSLGC	
<i>NEK9Nercc1</i> ,/1-257	IKLGD	YGLA	KKLNSE--YSMAE	TLVGTPTYM	SP ELCQGVK	YNF--	KSDIWA VGC	
<i>NRK16Tth</i> ,/1-256	VKLG	FGIS	KALGTN--ADFTK	TLVGTPTYF	SP EVCAGQS	YGD--	KADIWA LGC	
<i>NRK24Tth</i> ,/1-256	VKLG	FGIS	KELGT--NANAK	TLVGTPTYF	SP EVCSGEN	YQG--	KADIWA IGC	
<i>Nek81Cel</i> ,/1-254	VKIG	FGIS	KIMGTETLAQ	GAKTVVGT	PTYYSPEMCSGVS	YNE--	KSDMWA LGC	
<i>Nek8simDme</i> ,/1-254	VKIG	FGIS	KIMNT--KIHAQ	TVLGTPTYF	SP EMC ECKE	YDN--	KSDIWA LGC	
<i>Fin1Spo</i> ,/1-278	VKLG	FGLS	KLLDNT--RVFTQ	SYVGTPTYM	SP EIRSSP	YSA--	KSDVWA LGC	
<i>TvSTEPK</i> /1-307	VKLG	FGLA	REIE--DGAAS	TYAGTPPYM	SP ELISHQP	YDE--	KSDIWA LGC	
<i>TvAGCPK</i> /1-307	VKLG	FGLA	KPIP--DGSTK	TYLGTPLYM	SP ELVSHHS	YDD--	KSDIWA LGC	
<i>KIN3Sce</i> ,/1-323	DY S Q V V	VKLG	FGLA	KSL ETS--IQFAT	TYVGTPTYM	SP E V L M D Q P	Y S P --	L S D I W S L G C
<i>Nek2simDme</i> ,/1-263	AKLG	FGLA	RMLRRD--QSFAA	SFVGTPHYM	SP ELVKGRK	YDR--	KSDVWA VGC	
<i>Ng29678</i> /1-363	VKLG	FGLA	RILSDQ--SKFAH	TRLGTPTYM	PP ELLSDQLSDQG	YDE--	SCDIWSLGC	
<i>NIM1Ncr</i> ,/1-284	VKLG	FGLS	KVMQS--HDFAS	TYVGTPFYM	SP EICAAEK	YTL--	KSDIWSLGC	
<i>NIMAAnid</i> ,/1-285	VKLG	FGLS	KLMHS--HDFAS	TYVGTPFYM	SP EICAAEK	YTL--	RSDIWA VGC	
<i>NRK5Tth</i> ,/1-259	AMLG	LNVS	KKLQV--NGLLY	TQTGTPTYA	SP EVWKDKP	YNN--	KSDIWSLGC	
<i>NRK4Tth</i> ,/1-257	LKLG	LNVS	KVAK--KGM	LYTQTGTPTYA	SP EVWRDKP	YNS--	KSDVWSLGC	
<i>NRK2Tth</i> ,/1-257	YKIG	LNVS	KVAK--RGLVY	TQTGTPTYA	SP EVWRDEP	YDS--	S S D I W S F G C	
<i>NRK31Tth</i> ,/1-263	YKLG	LNVS	KVAK--KGLVY	TQTGTPTYA	SP EVWRDEP	YDV--	KSDIWSLGC	
<i>NRK1Tth</i> ,/1-259	LRLG	LNVS	KVQK--RDFAY	TQTGTPTYT	SP EVWQNRP	YDS--	KCDVWSLGC	
<i>NRK3Tth</i> ,/1-258	VKLG	LNVS	KIMK--RDLAY	TQTGTPTYT	SP EVWQNP	YDS--	KCDVW SMGC	
<i>NRK7Tth</i> ,/1-257	AKIG	LNVS	KITQ--ANLAR	TQVGTPTYT	SP EVWKDQM	YNN--	KSDIWSLGC	
<i>NRK9Tth</i> ,/1-273	IKIG	LNVS	KVTRRP--EQMAK	TQTGTPTYTAP	EVWKGLS	YNY--	KSDVWSLGC	
<i>13981lc</i> /1-1109	MLTK	LRFP	DLFTLLDIR	SISESPASHLVYMAP	EILRREK	YTD--	KADVWSLGC	
<i>17231lc</i> /1-1006	YKID	SRIE	HILD--PGYMAKA	SAKSVYTAP	EVFEGAN	PSE--	RSDIWSLGC	
<i>24321disc</i> /1-288	CKLAD	IGWS	RDL L SM--EGKMGY	IQGT LQYYAP	ELIVNEG	YGR--	EVDIFALGC	
<i>17250</i> /1-854	ALVDYSA	FAVK	--LAAQRHSA	F T M A Y L C P	E V L H S R H	SGEDRA	R L N V S P L K M	
<i>15409</i> /1-515	IRLGY	PYICPTMS	FKNPGNYRA	FQQLGEAHFMAP	EFIEAGAK	GSC--	PCDIFSIGM	
<i>11775</i> /1-1618	ILISDEER	MK L Q I T E F Y Q T L L L	PSVQR	LYATSGVAP	EVSKHLP	ISA--	SADIWMIGA	
<i>8445</i> /1-597	VKLAD	FGFS	RSFNS--SDMLK	TQLGTPSYTAP	EVLNKT	YNE--	KADIWSLGC	
<i>11311_mp</i> /1-367	IKLGD	FGLC	RTLGE--DSVAQ	TNVGTPLYMA	IEVLQKQS	YTE--	KADIWSLGC	
<i>95593</i> /1-376	IKLGD	FGLC	RVLEQ--STMAK	TNVGTPLYMA	PELL ENKS	YTE--	KVDIWSLGC	



	420	430	440	450	460	470	480
<i>CAMKKMmu</i> ,/1-251	D F I R H L M E K D P E	--- K R F T C E Q A	---	---	---	---	---
<i>NrkCfa</i> ,/1-258	A L L D P L L S K D P E	--- D R P T T Q Q L L Q	---	---	---	---	---
<i>Nrk6Cre</i> ,/1-257	S L V G R M L Q I D P A	--- K R P E L E E V W T	---	---	---	---	---
<i>Nek7simCel</i> ,/1-266	D L V S R C I L P E A S	--- K R P E T S E V L Q	---	---	---	---	---
<i>NEK6Hs</i> ,/1-266	E L V S M C I C P D P H	--- Q R P D I G Y V H Q	---	---	---	---	---
<i>NEK7Hs</i> ,/1-265	Q L V N M C I N P D P E	--- K R P D V T Y V Y D	---	---	---	---	---
<i>Nek82Cel</i> ,/1-264	M L V E N L L K T H T D	--- K R P D V S Q L L S	---	---	---	---	---
<i>NEK9Nercc1</i> ,/1-257	Q M V H S C L D Q D P E	--- Q R P T A D E L L D	---	---	---	---	---
<i>NRK16Tth</i> ,/1-256	M L I T L M L N K D P L	--- K R P F I W D L V N	---	---	---	---	---
<i>NRK24Tth</i> ,/1-256	M L I T F M L Q K D P V	--- K R P S V W D L A K	---	---	---	---	---
<i>Nek81Cel</i> ,/1-254	M V I R E L L Q L D P Q	--- K R P S A P Q A L K	---	---	---	---	---
<i>Nek8simDme</i> ,/1-254	S L M S N L L Q V E A P	--- R R P T A S E V L	---	---	---	---	---
<i>Fin1Spo</i> ,/1-278	L L I R H C L E V N S D	--- L R P T T Y Q L L R	---	---	---	---	---
<i>TvSTEPK</i> /1-307	E V I Q S M M M K K P Q	--- E R P T V K Q L L E	---	---	---	---	---
<i>TvAGCPK</i> /1-307	K V I S S M L D K D P S	--- K R P S A S D I L Q	---	---	---	---	---
<i>KIN3Sce</i> ,/1-323	A I I H S M I D V N L R	--- T R P S T F E L L Q	---	---	---	---	---
<i>Nek2simDme</i> ,/1-263	E I I A F M L A V D H E	--- Q R P G I E V I I R	---	---	---	---	---
<i>Ng29678</i> /1-363	E L I N R M I C V D P K	--- K R I S I V E I C E	---	---	---	---	---
<i>NIM1Ncr</i> ,/1-284	A T I K D C L R V N P D	--- R R P D T A T L L N	---	---	---	---	---
<i>NIMAAnid</i> ,/1-285	N V I A S C L R V N P D	--- H R P D T A T L I N	---	---	---	---	---
<i>NRK5Tth</i> ,/1-259	L F I A Q L L R V N P E	--- Q R P N C D E I L K	---	---	---	---	---
<i>NRK4Tth</i> ,/1-257	D F L S L C L Q V N P K	--- M R L T T S E L L E	---	---	---	---	---
<i>NRK2Tth</i> ,/1-257	K F I A L C L Q V S V	--- Q R P S V T Q L L N	---	---	---	---	---
<i>NRK31Ttha</i> ,/1-263	R M L T M L L K V N P K	--- D R P S C E Q I L S	---	---	---	---	---
<i>NRK1Tth</i> ,/1-259	K F I E S C L K V E P K	--- M R S S V E S L L N	---	---	---	---	---
<i>NRK3Tth</i> ,/1-258	D F I N L C L R K N P K	--- Q R P S V N S L L E	---	---	---	---	---
<i>NRK7Tth</i> ,/1-257	N L I S Q C L N I N Q I	--- T R P D C D Q L L N	---	---	---	---	---
<i>NRK9Tth</i> ,/1-273	F V I S Q C L L Q N P K	--- L R P G C D Q L L K	---	---	---	---	---
<i>13981lc</i> /1-1109	A L V N K M L T F N E K	--- E R I S S H E I L L W P	E M Q T V A T L V S G I P	A R T N S Q L M A T I R G N V E S G	D D L R Q S T T D L L	---	---
<i>17231lc</i> /1-1006	D L I R R M L C I D P R	--- S R A S V T Y I C G L E P	V V N I M T E F G Y K Q M A P	E N R D R Y Q E D S G	S F A Q K W R E S F R A S Q V	---	---
<i>24321disc</i> /1-288	N L V S S M L N P D P K	--- K R P T A F E M R T	---	---	---	---	---
<i>17250</i> /1-854	R V L T W L T N P C N N	--- S R P Y L D E V L A H P	F I F G F M V K S G	S R E N E R V F R N A L G	S T Q L I L S A N M N N V E Y V R A L	---	---
<i>15409</i> /1-515	D L I N S M L S F D S	--- A R P K A E Q L C A S G	K I A Q C I A E N G D A P	T M A P P K M T R D I V Q	P P S G L T D L M I A A R D G	---	---
<i>11775</i> /1-1618	S L L S C M L I I N P D	--- K R P P V E L L D Y A L L H T	P A L V Q P G S P G S S L S R P	E D G H V P R E K G G	N D A A I Q S S I I V	---	---
<i>8445</i> /1-597	E L V D S M M I V D Y T	--- Q R P S A A Q L I R H R K F I E H G	V I T A D Y L N T N P	T E E I D D K A K M I A E L K M C L K M K Q Q E V	---	---	---
<i>11311_mp</i> /1-367	A A I D L M L N P N P S	--- A R P S A T D I L Q	---	---	---	---	---
<i>95593</i> /1-376	R I I D M M L I K E P E	--- K R P S T T E L I Q	---	---	---	---	---



560 570 580 590 600 610

CAMKKMmu,/1-251	-----
NrkCfa,/1-258	-----
Nrk6Cre,/1-257	-----
Nek7simCel,/1-266	-----
NEK6Hs,/1-266	-----
NEK7Hs,/1-265	-----
Nek82Cel,/1-264	-----
NEK9Nercc1,/1-257	-----
NRK16Tth,/1-256	-----
NRK24Tth,/1-256	-----
Nek81Cel,/1-254	-----
Nek8simDme,/1-254	-----
Fin1Spo,/1-278	-----
TvSTEPK/1-307	-----
TvAGCPK/1-307	-----
KIN3Sce,/1-323	-----
Nek2simDme,/1-263	-----
Ng29678/1-363	-----
NIM1Ncr,/1-284	-----
NIMAAnid,/1-285	-----
NRK5Tth,/1-259	-----
NRK4Tth,/1-257	-----
NRK2Tth,/1-257	-----
NRK31Ttha,/1-263	-----
NRK1Tth,/1-259	-----
NRK3Tth,/1-258	-----
NRK7Tth,/1-257	-----
NRK9Tth,/1-273	-----
13981lc/1-1109	-----
17231lc/1-1006	-----
24321disc/1-288	-----
17250/1-854	-----
15409/1-515	-----
11775/1-1618	E I G V L T G E G Y S P L H L A L L L N H I Q L A K Y L D A S Y D L Q F L H G V E L W V D E H G V S N L M R C V C E R N L V G V Y Y Y S D
8445/1-597	-----
11311_mp/1-367	-----
95593/1-376	-----

630 640 650 660 670 680

CAMKKMmu,/1-251	-----
NrkCfa,/1-258	-----
Nrk6Cre,/1-257	-----
Nek7simCel,/1-266	-----
NEK6Hs,/1-266	-----
NEK7Hs,/1-265	-----
Nek82Cel,/1-264	-----
NEK9Nercc1,/1-257	-----
NRK16Tth,/1-256	-----
NRK24Tth,/1-256	-----
Nek81Cel,/1-254	-----
Nek8simDme,/1-254	-----
Fin1Spo,/1-278	-----
TvSTEPK/1-307	-----
TvAGCPK/1-307	-----
KIN3Sce,/1-323	-----
Nek2simDme,/1-263	-----
Ng29678/1-363	-----
NIM1Ncr,/1-284	-----
NIMAAnid,/1-285	-----
NRK5Tth,/1-259	-----
NRK4Tth,/1-257	-----
NRK2Tth,/1-257	-----
NRK31Ttha,/1-263	-----
NRK1Tth,/1-259	-----
NRK3Tth,/1-258	-----
NRK7Tth,/1-257	-----
NRK9Tth,/1-273	-----
13981lc/1-1109	-----
17231lc/1-1006	-----
24321disc/1-288	-----
17250/1-854	-----
15409/1-515	-----
11775/1-1618	KQQK LQDYD <b>G</b> KTAL I KAVLN YNE <b>G</b> <b>L</b> <b>P</b> <b>A</b> <b>G</b> QEDVNLA I I RLLRLHEAR IQDKR <b>G</b> RTALMYAAEC <b>G</b> YLAAID
8445/1-597	-----
11311_mp/1-367	-----
95593/1-376	-----

KQQK LQDYD **G**KTAL I KAVLN YNE **G** **L** **P** **A** **G**QEDVNLA I I RLLRLHEAR IQDKR **G**RTALMYAAEC **G**YLAAID

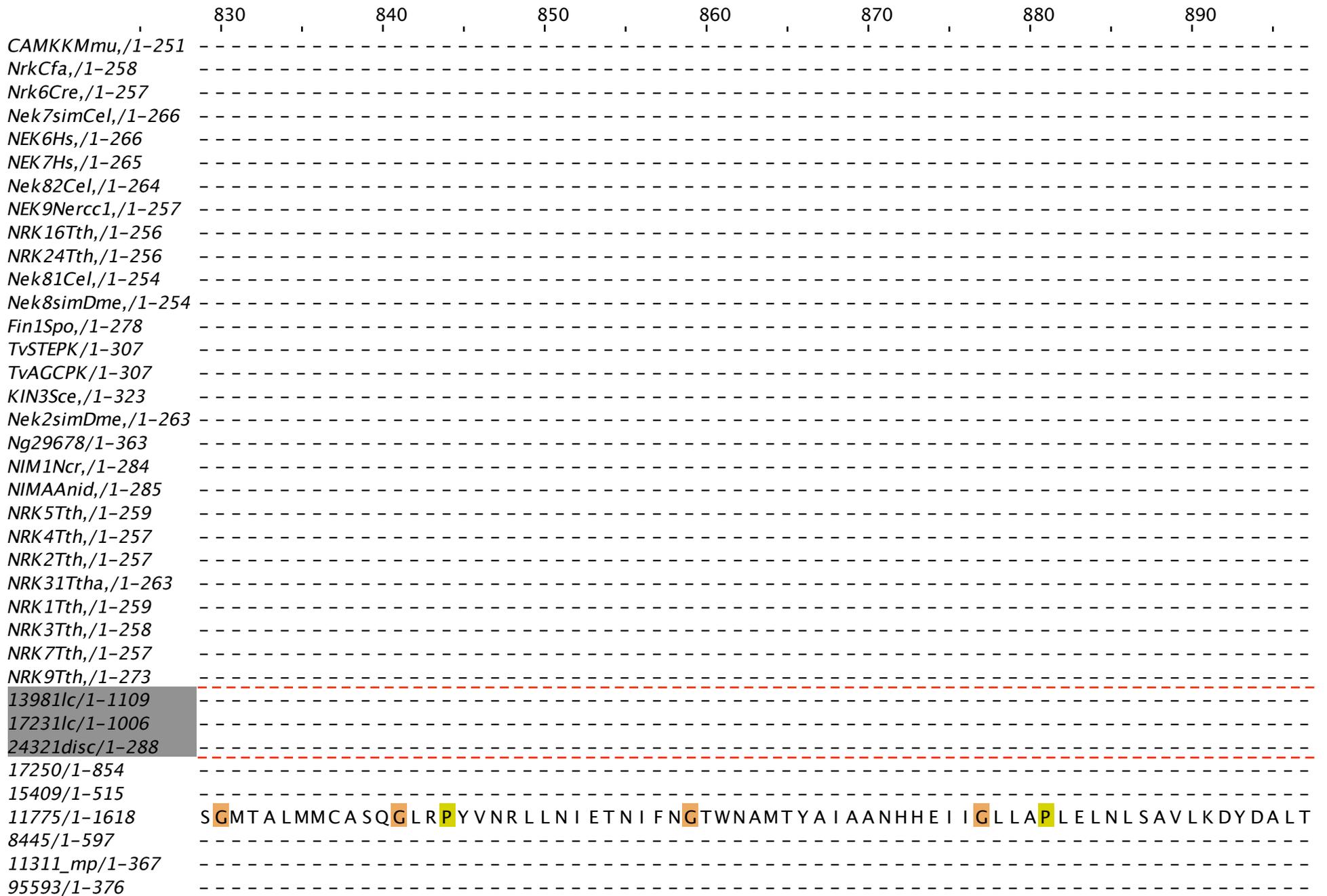
700 710 720 730 740 750

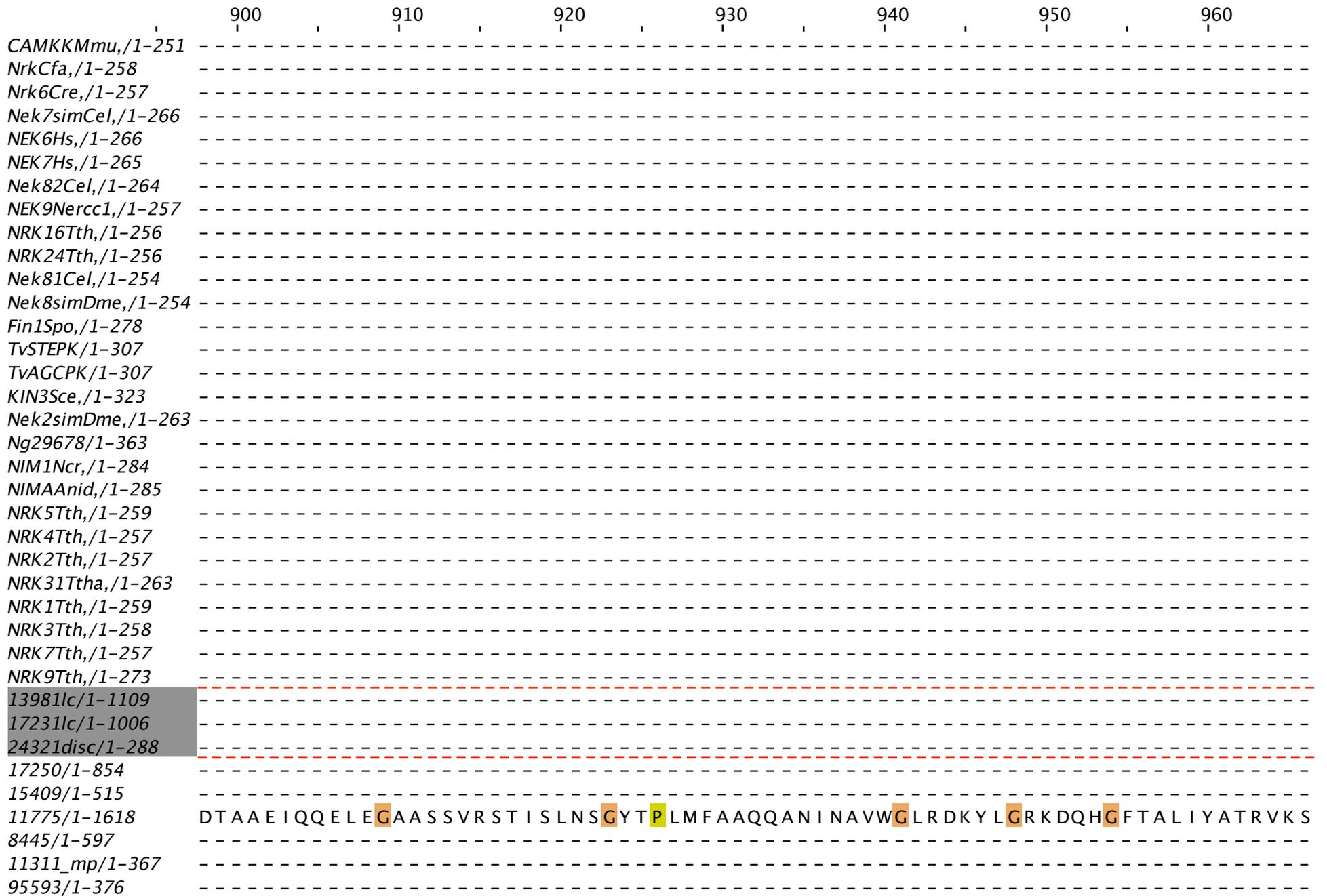
CAMKKMmu,/1-251  
 Nrkcfa,/1-258  
 Nrkc6Cre,/1-257  
 Nek7simCel,/1-266  
 NEK6Hs,/1-266  
 NEK7Hs,/1-265  
 Nek82Cel,/1-264  
 NEK9Nercc1,/1-257  
 NRK16Tth,/1-256  
 NRK24Tth,/1-256  
 Nek81Cel,/1-254  
 Nek8simDme,/1-254  
 Fin1Spo,/1-278  
 TvSTEPK/1-307  
 TvAGCPK/1-307  
 KIN3Sce,/1-323  
 Nek2simDme,/1-263  
 Ng29678/1-363  
 NIM1Ncr,/1-284  
 NIMAAnid,/1-285  
 NRK5Tth,/1-259  
 NRK4Tth,/1-257  
 NRK2Tth,/1-257  
 NRK31Ttha,/1-263  
 NRK1Tth,/1-259  
 NRK3Tth,/1-258  
 NRK7Tth,/1-257  
 NRK9Tth,/1-273  
 13981lc/1-1109  
 17231lc/1-1006  
 24321disc/1-288  
 17250/1-854  
 15409/1-515  
 11775/1-1618  
 8445/1-597  
 11311\_mp/1-367  
 95593/1-376

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

770 780 790 800 810 820

CAMKKMmu,/1-251	-----
NrkCfa,/1-258	-----
Nrk6Cre,/1-257	-----
Nek7simCel,/1-266	-----
NEK6Hs,/1-266	-----
NEK7Hs,/1-265	-----
Nek82Cel,/1-264	-----
NEK9Nercc1,/1-257	-----
NRK16Tth,/1-256	-----
NRK24Tth,/1-256	-----
Nek81Cel,/1-254	-----
Nek8simDme,/1-254	-----
Fin1Spo,/1-278	-----
TvSTEPK/1-307	-----
TvAGCPK/1-307	-----
KIN3Sce,/1-323	-----
Nek2simDme,/1-263	-----
Ng29678/1-363	-----
NIM1Ncr,/1-284	-----
NIMAAnid,/1-285	-----
NRK5Tth,/1-259	-----
NRK4Tth,/1-257	-----
NRK2Tth,/1-257	-----
NRK31Ttha,/1-263	-----
NRK1Tth,/1-259	-----
NRK3Tth,/1-258	-----
NRK7Tth,/1-257	-----
NRK9Tth,/1-273	-----
13981lc/1-1109	-----
17231lc/1-1006	-----
24321disc/1-288	-----
17250/1-854	-----
15409/1-515	-----
11775/1-1618	QTRATDINGNTALMHCVIHDRPEFIPELSEEYRMINRITGHSAMMLAVQLERRACFEALIKHESGLKSS
8445/1-597	-----
11311_mp/1-367	-----
95593/1-376	-----















	1320	1330	1340	1350	1360	1370	
CAMKKMmu,/1-251							
NrkCfa,/1-258							T E F M
Nrk6Cre,/1-257							I
Nek7simCel,/1-266						V A E H M N N Y F	
NEK6Hs,/1-266						V A K Q M H I W M	
NEK7Hs,/1-265							V A K R M
Nek82Cel,/1-264							D P L V
NEK9Nercc1,/1-257							R P L L
NRK16Tth,/1-256							I P I I
NRK24Tth,/1-256							I P I I
Nek81Cel,/1-254							M L
Nek8simDme,/1-254							V Y W I
Fin1Spo,/1-278							S P I L
TvSTEPK/1-307			N K Y V K L Y L Q M E M I L N E R A R V Q A D T A R L I K K Q E Q L K E E Y N				R L N Q K A G
TvAGCPK/1-307			V R N V A L T V K I E K T K K L Y R A L K H E N E K L L T K R K E L E E E N N				Q L K K Q L A
KIN3Sce,/1-323							D I Q I R
Nek2simDme,/1-263							H P L V
Ng29678/1-363	T S I V R F N I F D T Y I K Q R Y K I L K E K E K A L E K R E Q F I K K K E E K L E E K E K Q L E K E R						L A F L K
NIM1Ncr,/1-284							L P I V
NIMAAnid,/1-285							T P V I
NRK5Tth,/1-259							F S V I
NRK4Tth,/1-257							T P Y
NRK2Tth,/1-257							N V L L
NRK31Ttha,/1-263							N P I V Q
NRK1Tth,/1-259							H K C I M
NRK3Tth,/1-258							F Q G L L
NRK7Tth,/1-257							L P I I
NRK9Tth,/1-273							L P
13981lc/1-1109	N G T V S A L G N T I I T R P N A E G D K L E E I R I L D D E Q M R A E E E L R N Q E R I E S D I E M T I K T H N D M V A N D S T						P L M V
17231lc/1-1006	M I N I G Q G I Q S T L Y P G Q A E G I T S S K I L N S T Y F P N F P G Q I A Q F R A A Y D S R I T P E D E N M H I T D P D G T T						P L M K
24321disc/1-288							I P E I A
17250/1-854					T A L M L A C E F H Q L H I A N S L I Q Y E A G M R D S S G Y T A L		H R A A
15409/1-515					M Y A A Q N G H A D C V S L L H E E F G M Q R R D G A T A L F T A V F W N R		
11775/1-1618	L S D T R A Y D L L A A F H S S N Y R Q L K E A L Q S N D I Q S M K A F K E L A D S F Q A V A L N I E Y L V L P D A V F D D N G N						S Q L H
8445/1-597	E S N N D A V E K L R A E L S L Q S M R V K Q L E A E N S E L R S Q N T I L T N K I L K L E E A A R R V A Q A Q S A I A S D G M T A L M R						
11311_mp/1-367					H S R I I E M N E R I K A M P A Y A A Q A		P P E I P K S A
95593/1-376					L P V I A K L L Q G L A Y D P A R N C R G L Q R V E Q M T P V D R A M G G N L R A P S R G M A P		

	1390	1400	1410	1420	1430	1440
CAMKKMmu,/1-251	-	-	-	-	-	-
NrkCfa,/1-258	-	-	-	-	-	-
Nrk6Cre,/1-257	-	-	-	-	-	-
Nek7simCel,/1-266	-	-	-	-	-	-
NEK6Hs,/1-266	-	-	-	-	-	-
NEK7Hs,/1-265	HAC	-	-	-	-	-
Nek82Cel,/1-264	-	-	-	-	-	-
NEK9Nercc1,/1-257	-	-	-	-	-	-
NRK16Tth,/1-256	-	-	-	-	-	-
NRK24Tth,/1-256	-	-	-	-	-	-
Nek81Cel,/1-254	-	-	-	-	-	-
Nek8simDme,/1-254	-	-	-	-	-	-
Fin1Spo,/1-278	-	-	-	-	-	-
TvSTEPK/1-307	R V F F N E	-	-	-	-	-
TvAGCPK/1-307	-	-	-	-	-	-
KIN3Sce,/1-323	T A R	-	-	-	-	-
Nek2simDme,/1-263	-	-	-	-	-	-
Ng29678/1-363	E K T E F E K Q K Q T K S V D M T S G L S P L T E L N K E N I Y Q T F K I	-	-	-	-	-
NIM1Ncr,/1-284	-	-	-	-	-	-
NIMAAnid,/1-285	-	-	-	-	-	-
NRK5Tth,/1-259	-	-	-	-	-	-
NRK4Tth,/1-257	-	-	-	-	-	-
NRK2Tth,/1-257	-	-	-	-	-	-
NRK31Ttha,/1-263	R N G G E	-	-	-	-	-
NRK1Tth,/1-259	-	-	-	-	-	-
NRK3Tth,/1-258	-	-	-	-	-	-
NRK7Tth,/1-257	-	-	-	-	-	-
NRK9Tth,/1-273	-	-	-	-	-	-
13981lc/1-1109	A A S A D N V D Q V R F L L P M H G G E T T T K G I T A L M M A A S A G H V R S V K L L I P K E G R M Q D K D G M T A L M Y A A H F G K L	-	-	-	-	-
17231lc/1-1006	A V I R D D M R L V Q K Y L P T Q C R I A N D R G V T A L M L A A Y F D N F D A I Q L L L D K E S K T Q D S A G M T A L M Y A A H K G N T	-	-	-	-	-
24321disc/1-288	N I L R G E L S A	-	-	-	-	-
17250/1-854	A L G L V S A V K L L I T T K E C G L R D P K G Q T A L M F A A Q Y G H S K C V E L L R K E K E A G L V T D K G W S A L M S A I T N G H T	-	-	-	-	-
15409/1-515	C E C V K V L A P T E A I I S T N D R Y W Q G E R Y T A A M E A A R W G R P E C L Q E L L G Y I D K Y T T D N N G N D V A Y Y A M H P W E	-	-	-	-	-
11775/1-1618	I A A L A A D T R L A A A F V H L H S L R N K K G E T A L M L A A R S G S E A V V D I L L N Y E A E M Q D N N K M T A T E H S I V S G T F	-	-	-	-	-
8445/1-597	A V Q M N D I A G I K A H I A T D A G K K N R K G K T A L M M C S D T G K T E A A A L L I P Y E A G T K M S D G T T A L I L A A I A G H V	-	-	-	-	-
11311_mp/1-367	P P G G G H A Q - - - - R E R E L R E W E E R L N T K E Q S L R A R E E H V D R T L A A L N A G T Y K G Y - - - - -	-	-	-	-	-
95593/1-376	P P S A G Y K P V N G R Y S D G D L D A W E D R L K E R E A A L A N W E D A I S E K E T N L K E R L A K A G L R - - - - -	-	-	-	-	-

	1460	1470	1480	1490	1500	1510	
CAMKKMmu,/1-251	-----	-----	-----	-----	-----	-----	
NrkCfa,/1-258	-----	-----	-----	-----	-----	-----	
Nrk6Cre,/1-257	-----	-----	-----	-----	-----	-----	
Nek7simCel,/1-266	-----	-----	-----	-----	-----	-----	
NEK6Hs,/1-266	-----	-----	-----	-----	-----	-----	
NEK7Hs,/1-265	-----	-----	-----	-----	-----	-----	
Nek82Cel,/1-264	-----	-----	-----	-----	-----	-----	
NEK9Nercc1,/1-257	-----	-----	-----	-----	-----	-----	
NRK16Tth,/1-256	-----	-----	-----	-----	-----	-----	
NRK24Tth,/1-256	-----	-----	-----	-----	-----	-----	
Nek81Cel,/1-254	-----	-----	-----	-----	-----	-----	
Nek8simDme,/1-254	-----	-----	-----	-----	-----	-----	
Fin1Spo,/1-278	-----	-----	-----	-----	-----	-----	
TvSTEPK/1-307	-----	-----	-----	-----	-----	-----	
TvAGCPK/1-307	-----	-----	-----	-----	-----	-----	
KIN3Sce,/1-323	-----	-----	-----	-----	-----	-----	
Nek2simDme,/1-263	-----	-----	-----	-----	-----	-----	
Ng29678/1-363	-----	-----	-----	-----	-----	-----	
NIM1Ncr,/1-284	-----	-----	-----	-----	-----	-----	
NIMAAnid,/1-285	-----	-----	-----	-----	-----	-----	
NRK5Tth,/1-259	-----	-----	-----	-----	-----	-----	
NRK4Tth,/1-257	-----	-----	-----	-----	-----	-----	
NRK2Tth,/1-257	-----	-----	-----	-----	-----	-----	
NRK31Ttha,/1-263	-----	-----	-----	-----	-----	-----	
NRK1Tth,/1-259	-----	-----	-----	-----	-----	-----	
NRK3Tth,/1-258	-----	-----	-----	-----	-----	-----	
NRK7Tth,/1-257	-----	-----	-----	-----	-----	-----	
NRK9Tth,/1-273	-----	-----	-----	-----	-----	-----	
13981lc/1-1109	EAVKELVEAEHNKVN	SAG	LTALMIAAEF	GNVDIVNFLKTY	ESKKFSASRETAMMRAAKL	GHVDIVKELL	
17231lc/1-1006	NSVVQLYTHEARMVT	GK	GVTALMIAAEC	GWVDIVRTLMP	PREARLRDDFG	NNTALIYACKAGRASVVQELL	
24321disc/1-288	-----	-----	-----	-----	-----	-----	
17250/1-854	EAAKLLIDYEG	HLTLNM	GYTP	LMCAVEHKQYEV	IDLLKHSQARKTIAAESEEDSWHN	GATALMLAAYSN	
15409/1-515	HVSADKSSRVREVLNL	-----	-----	-----	-----	-----	
11775/1-1618	HKVNLNLYTREKAF	LVNECELS	P	LMLAVLE	GDIKTVSAG	LKYAKLRTSSGMTALHMAIYLRQQAHANLLK	
8445/1-597	DIVNILKKKE	GKMQARQ	G	DTALINA AVT	GHA EVVRALVEIEA	GLRMDDGRAAIHNAAYK	GHLECVKILL
11311_mp/1-367	-----	-----	-----	-----	-----	-----	
95593/1-376	-----	-----	-----	-----	-----	-----	







