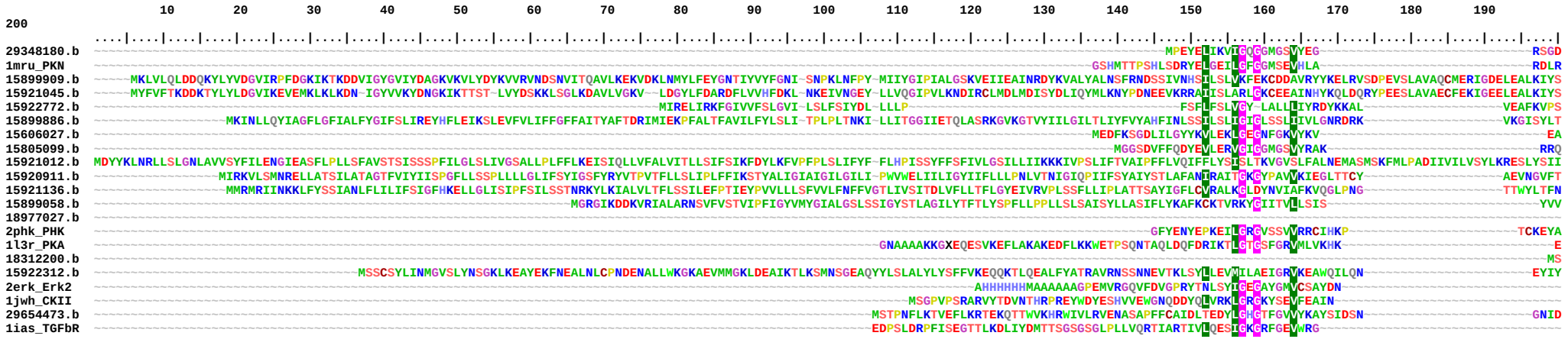
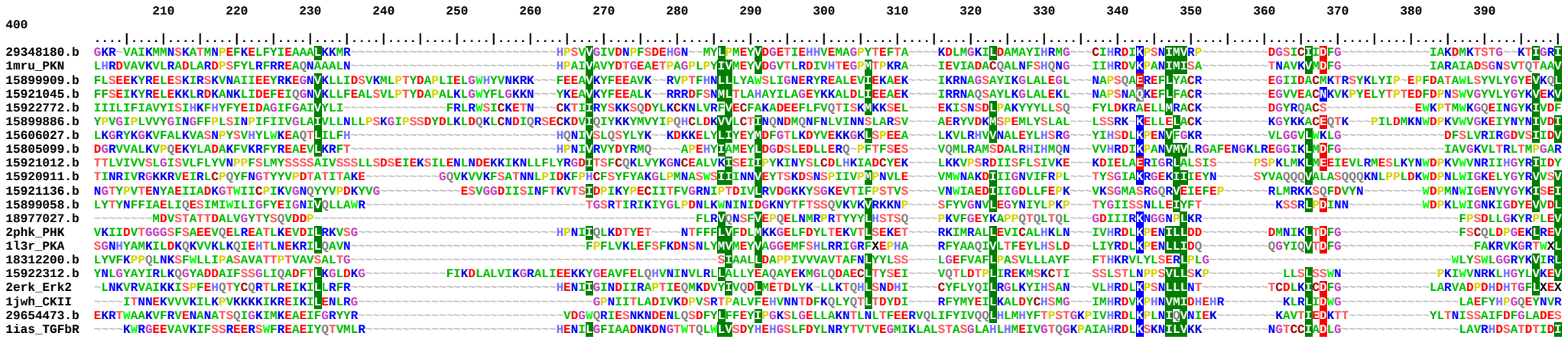
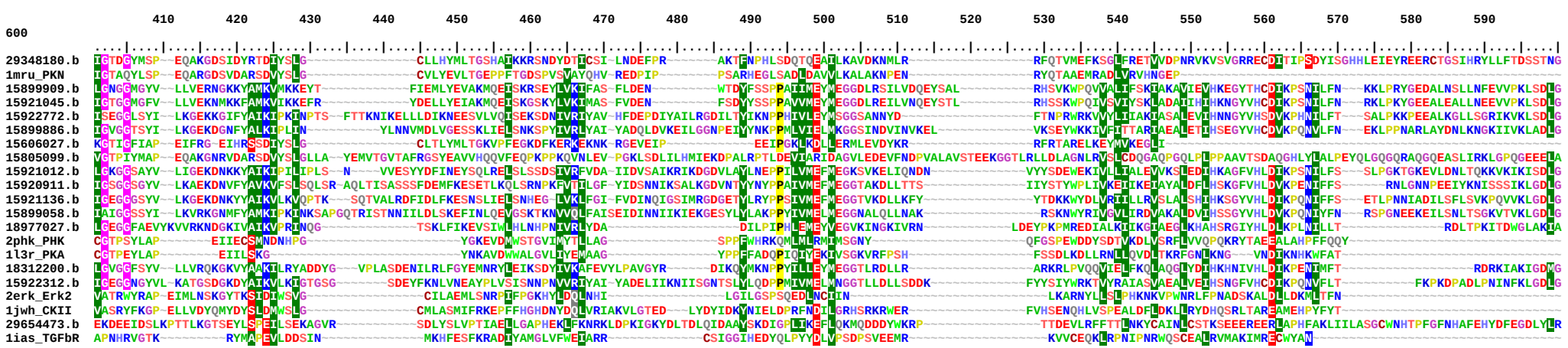

29348180.b
1mru_PKN
15899909.b
15921045.b
15922772.b
15899886.b
15606027.b
15805099.b
15921012.b
15920911.b
15921136.b
15899058.b
18977027.b
2phk_PHK
1l3r_PKA
18312200.b
15922312.b
2erk_Erk2
1jwh_CKII
29654473.b
1ias_TGFbR


29348180.b
1mru_PKN
15899909.b
15921045.b
15922772.b
15899886.b
15606027.b
15805099.b
15921012.b
15920911.b
15921136.b
15899058.b
18977027.b
2phk_PHK
1l3r_PKA
18312200.b
15922312.b
2erk_Erk2
1jwh_CKII
29654473.b
1ias_TGFbR


29348180.b
1mru_PKN
15899909.b
15921045.b
15922772.b
15899886.b
15606027.b
15805099.b
15921012.b
15920911.b
15921136.b
15899058.b
18977027.b
2phk_PHK
1l3r_PKA
18312200.b
15922312.b
2erk_Erk2
1jwh_CKII
29654473.b
1ias_TGFbR

```
                    610       620       630       640       650       660       670       680       690       700       710       720       730       740       750       760       770       780       790
800
           ....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|
29348180.b TSVDGKYLRHGSIKIPFSFENPSPLPNV---WLAGRSEYLLDWDEVIQKLRDKGGR----TVIMEEVVGDILPP-------------------------------TPPTPSVKEDKLGIGYGILSVVCPIVGWVLWAQWKKETPRRARAAAICGWIGFVVGFIINILSSI
1mru_PKN   ------------------------------------------------PEAPKVLTDAER----TSLLSSAAGNLSGP-------------------------------R
15899909.b SSVKIGTPVMHYTPYYA----HPLQRFGN---RAETMFDVYSFSVSLYVSLTNNFPF----PEWLENEIEEAVKN-------------------------------PEKRKQALDDFHNATPRLDYVPAEFKDLITMGLKGEISMLEINKRLEEILVEDYNIDINNLNSEAEKLINY
15921045.b SAVKVGVPVIHYTPYYA----HPLQRFGG---KAEYNFDVYSFTVSLYVTLTNNFPF----SEWLEREIEEAVTD-------------------------------PSKREIALKDFYLAEPRLDQIPDEFRDLVERGLRGEITLEEMSRELRMINKYNYNLPIS---DKEEIKI
15922772.b SAVKIGEKAFQLTPEYASIEHVKSMILG---GISPLDDIYSLGATAFKLLTGKVLN----SPQMLQVYNDFFST-------------------------------LNVS----LLDSKLYMTRDFSPLRN-VEPDVANFIIYMTSP---GKRPNASEVFRFFYSKVF
15899886.b SAVKAGEKPFSYTPAYVSFDLVKSTAFG---GVSPMADIYALGATVYKLLTGVTLN----TNVMIEAMDKFEAN-------------------------------KDIR----YLDNSLYSTRNLDLLRKYVDKNTYLFISKMVDPDPNKRPTSKEIKEFFYFRV
15606027.b ------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
15805099.b FGSYGLHPGQLLRPVGVAVWQDQIYVLD---AETQFVSVFGPRGAFLFRFGGPGTG----QGKFGRPATLKFGPDGQLYVLDCGNHEVQRFTPRGEYVSRYAFRLDRNSEQLRGLDGLGVDPKGGVYIVDSVARKVRKIEPDGTPGSTFALETLVGEPNDAPWLLEIAADGRIYAVRQGGQVLRLFSPAGDLITQRDMYAP
15921012.b SARKIGEKFSQYTPEYCSVDQVEAIVEGK-GADPSMDIYSLGATIYKMLTRKDFN----PPELIRLFNEASIIYSN-------------------------------GGDPKPILQKAKEVYKEYYMKLEIPDVDQRFKDLVKELVNPEKRPTASEVYNKLKEILNNDERNSNPR
15920911.b SAVRIGERFYQATPSYSPPEQIEAIITGK-GADPKMDIFALGMTAYVLLTGKNDNP---ISDNLNKAIDAYMAGN-------------------------------VGEALKLIQNAKQILSSWRPILPQNTPSELTRVIVYSININPLSRPSAKQIVDLLK
15921136.b SATKIGGKITQITPEYSSPKQIENAILGL-GATTDMDIFSFGILAYHLLTGGKVSP---TAKLIDETIELYNNNK-------------------------------IRDALLKIDEAKKVLESWNIDLPSGVPLSLEEVVKGCIKGKINSMEEIVKKLS
15899058.b SARKIGEDVREFTEFYCPIDQIEAAMLKNKGALPSMDIFALGATAYKLLFDSYVYPKEYYEIVERAIEDFQMGRG-------------------------------SYLNYLKMARQYAVLPKINTIPSWLNNLLYDMLLQRTNARAIYTTIEYNLC
18977027.b VRTFSG-SISGYTPLYAAPEQLAPSKYG---GVDERTDVWQIGVIFYELLTGKLPFDGYTYEEIRGKIVDEGYNFKP-------------------------------PSTFSPKLAKYNKIFEKLLAKKKENRYQTIPEFLTDLKELEINKLKTTLSKRALRH
2phk_PHK   ------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1l3r_PKA   ------------------------------TDWIAIYQRKVEAPFIPKFKGPGD----TSNFDDYEEEEIRVX-----------------------------------INEKCGKEFTEF
18312200.b IAKVVTGGYVHSSYMSPAYAAPEVKKG----LATFSSDIYSLGCVIYEALTGINPN-----------------------------------------------VFVENGYQIPPPSAYVADVPRWIDEIILKMLDLNPNARPNSAELVNYLTRV
15922312.b GAVKVGSSVVQLTTEYAPLEAFTDKAKP-------SFDVFSLGITLYVLLTGVIYRP---DSREMEDAFNCYKVN-------------------------------DMNCVTRNVTIAKQKLALWDPNVPAEVKPLLKRMIDPDPLKRPTAKEVLDQITRLK
2erk_Erk2  ------------------------------PHKRIEVEQALAHPYLEQYYDPSDE-----------------------------------------------PIAEAPFKFDMELDDLPKEKLKELIFEETARFQPGYRS
1jwh_CKII  ------------------------------------------------VVKDQARMGSS-----------------------------------------------
29654473.b ETVIEPYKIKNKTGSLINPDNVFLPKLLSKETSEIDDFLKTLPFQKLKWINDAFLS----PEMEGLVGKFFVDK-------------------------------ITFVTDKCNELLSLLENFNKTYKHLAHTSSGNGFVSQRTWKKNFWRFAAFV
1ias_TGFbR ------------------------------GAARLTALRIKKTLSQLSQQEGIKM------------------------------------------------------------------------------------------------------------------------------

                    810       820
           ....|....|....|....|....
29348180.b ~~~~~~~~~~~~~~~~~~~~~~~~
1mru_PKN   ~~~~~~~~~~~~~~~~~~~~~~~~
15899909.b ~~~~~~~~~~~~~~~~~~~~~~~~
15921045.b ~~~~~~~~~~~~~~~~~~~~~~~~
15922772.b ~~~~~~~~~~~~~~~~~~~~~~~~
15899886.b ~~~~~~~~~~~~~~~~~~~~~~~~
15606027.b ~~~~~~~~~~~~~~~~~~~~~~~~
15805099.b LHAMALVQRPAAALPAGAVLPAGD
15921012.b ~~~~~~~~~~~~~~~~~~~~~~~~
15920911.b ~~~~~~~~~~~~~~~~~~~~~~~~
15921136.b ~~~~~~~~~~~~~~~~~~~~~~~~
15899058.b ~~~~~~~~~~~~~~~~~~~~~~~~
18977027.b ~~~~~~~~~~~~~~~~~~~~~~~~
2phk_PHK   ~~~~~~~~~~~~~~~~~~~~~~~~
1l3r_PKA   ~~~~~~~~~~~~~~~~~~~~~~~~
18312200.b ~~~~~~~~~~~~~~~~~~~~~~~~
15922312.b ~~~~~~~~~~~~~~~~~~~~~~~~
2erk_Erk2  ~~~~~~~~~~~~~~~~~~~~~~~~
1jwh_CKII  ~~~~~~~~~~~~~~~~~~~~~~~~
29654473.b ~~~~~~~~~~~~~~~~~~~~~~~~
1ias_TGFbR ~~~~~~~~~~~~~~~~~~~~~~~~
```