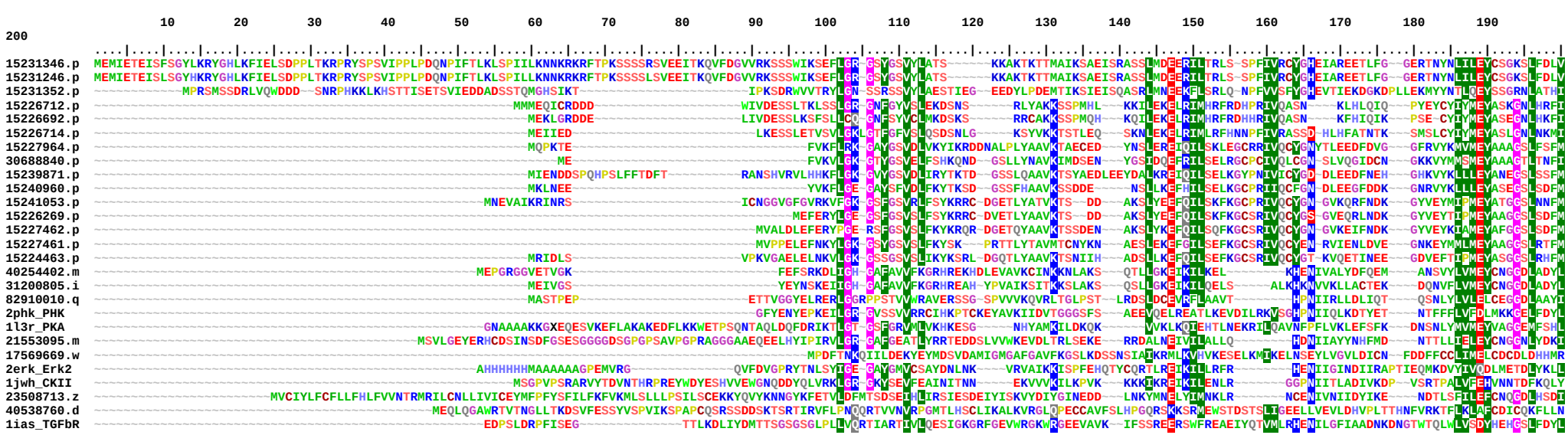
15231346.p
15231246.p
15231352.p
15226712.p
15226692.p
15226714.p
15227964.p
30688840.p
15239871.p
15240960.p
15241053.p
15226269.p
15227462.p
15227461.p
15224463.p
40254402.m
31200805.i
82910010.q
2phk_PHK
1l3r_PKA
21553095.m
17569669.w
2erk_Erk2
1jwh_CKII
23508713.z
40538760.d
1ias_TGFbR

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                    410       420       430       440       450       460       470       480       490       500       510       520       530       540       550       560       570       580       590
600
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15231346.p LNHPFLQCGSIIV-------------------------------------------------------------------------------------------------------------------------------------------------------------------------
15231246.p TLYLVCVSGSFGK-------------------------------------------------------------------------------------------------------------------------------------------------------------------------
15231352.p LEHEFLKWIDEDEEEEIY-------------------------EEEEDDFYDGIEDVDEEYEANLEAEAAVEEEEAIEIDEEYPKEESEDDL-------------------------------------------------------------------------------------------
15226712.p LKHPFITQGLP-------------------------SPTTEDNKEISRSLIPSFSKLLLT-------------------------------------------------------------------------------------------------------------
15226692.p LNHPFITQILP-------------------------SPTTEDNKEISRSLIPSFSKLLLA-------------------------------------------------------------------------------------------------------------
15226714.p LDHPFAAEKLPLLLSFLRV-----------PSFVRRNVNEKLNVRQEELIPKPQGLLW-------------------------------------------------------------------------------------------------------------
15227964.p LSHQFLRGEVVSGFSLPP-----------------LKLKIKLAPEKPTNVSKKPLKLKIIPPK-------------PPQFKKGGIKPLKLKIMPLKPP---ASSFVSVQ-------------------------------------------------------
30688840.p LLHPFLTGDEKKGSSVAGG-----------ERTGMVLRLRKPPPISKDIPTKPRKLKVISQK-------------PQQLKKVSNKPLKVKIVPPRPP---RSDFVPVL-------------------------------------------------------
15239871.p LLHPFLCQKQPLLV-----------------KLKLRIKQASKITMGIREKPLTLKMFLSK-------------PPQLKKLLSKLLRLKKMIHPKPLELDSSFVSYSSDLCLL-------------------------------------------------
15240960.p LSHRFLRQE-------------------------KSKLKMISPFNL-------------------------LKFKKFLNKLLRLKNFL-------------------------------------------------------------------------------
15241053.p LRQSFFRRDVNKLTK-------------------LLKVDNRNDFTLELKKLRQMLS-------------------EIRSMR-------------------------------------------------------------------------------------
15226269.p LRQSFFR-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
15227462.p LRQSFLHGDVNKFTNRQM-----------------NVKIDSADDFTLQLEKVSQMLS-------------------EIRTMC-------------------------------------------------------------------------------------
15227461.p LEHSFLRGVVNKITKP-------------------HVKNENPKEIALALGRVVRRPSKVLTSIFKRAGELMKIIKKQPRAPRSNLLPVHICHLAQPSQKICFFIYCSLCVVFIILTVVCMFR-------------------------------------------------
15224463.p LRHCFLRGDVNKIIEP-------------------LVKSKNSNDIALELENIEHRLS-------------------QLRCISGG-----------------------------------------------------------------------------------
40254402.m FHHPFLDASTPIKKSPPVPVPSYPSSGSGSSSSSSSASHLASPPSLGEMPQLQKTLTSPADAAGFLQGSRDSGGSSKDSCDTDDFVMVPAQFPGDLVAEAASAKPPPDSLLCSGSSLVASAGLESHGRTPSPSPTCSSSPSPSGRPGPFSSNRYGASVPIPVPTQVHNYQRIEQNLQSPTQQQTARSSAIRRSGSTSPLG
31200805.i FNHPFLQRAETPQG-----------------FNIAEVTVAIPLRESVSILLLFLLKCVLQ-------------------RRRCAVLVAVVVFNTF-------------------FLCVSFFPVPIAELDDSVATISANHTSNSSPEES-------------DDFVLVPNNIP-------------------------------VDPAH
82910010.q L-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
2phk_PHK  LAHPFFQQY-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
1l3r_PKA  KNHKWFATTDWIAIYQRKVEAP-----------FIPKFKGPGDTSNFDDYEEEEIRVX-------------------INEKCGKEFTEF-----------------------------------------------------------------------------
21553095.m LDLPLLRTRRREMEEKVTLLN-------APTKRPRSSTVTEAPIAVVTSRTSEVYVWGGGKSTPQKLDVIKSGCSARQVCAGNTHFAVVTVEKELYTWVNMQGGTKLHGQLGHGDKASYRQPKHVEKLQGKAIHQVSCGDDFTVCVTDEGQLYAFGSDYYGCMG-------------------------------VDKVSG
17569669.w YDKAINWSQQIC-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
2erk_Erk2 LDKMLTFNPHKRIEVEQALAHP-----------YLEQYYDPSDEPIAEAPFKFDMELDDLP-------------KEKLKELIFEETARFQPGYRS-----------------------------------------------------------------------
1jwh_CKII ENQHLVSPEALDFLDKLLR-----------YDHQSRLTAREAMEHPYFYTVVKDQARMGSS-----------------------------------------------------------------------------------------------------
23508713.z TNYNLETTQHVHLEN-----------------------ANKIISCITVQ-----------------------------------------------------------------------------------------------------------------------
40538760.d RDSSYYWEIEANEVVLLSRIGS-------GSFGTVHKGKWHGDVAVKVLKVTNPTPEQFQAFRNEVAVLRKTRHVNILLFMGYMTKGNLAIVTQWCEGSSLYKHLHVLETNFQMFQLIDIARQTAQGMDYLYMRKHIHRDMKSNNIFLHEGLTVKIGDFGLATVKARWSGSQQVEQPSGSILWMAPEVIRMQDNNPYSFQ
1ias_TGFbR WRECWYANGAAR-----------------------LTALRIKKTLSQLSQQEGIKM-----------------------------------------------------------------------------------------------------------
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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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15241053.p ------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
15226269.p ------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
15227462.p ------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
15227461.p ------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
15224463.p ------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
40254402.m FGRASPSPPSHTDGAMLARKLSLGGGRPYTPSPQVGTIPERPSWSRVPSPQGADVRVGRSPRPGSSVPEHSPRTTGLGCRLHSAPNLSDFHVVRPKLPKPPTDPLGATFSPPQTSAPQPCPGLQSCRPLRGSPKLPDFLQRSPLPPILGSPTKAGPSFDFPKTPSSQNLLTLLARQGVVMTPPRNRTLPDLSEASPFHGQ
31200805.i GGSYDKSKPTRVP-----------------QPMSQAQASPPRPSTLPISEPK---PVPTAARKNNSIPRSEP-----INMKRSENRGSNCDIR-------------SISPPAVQFAIGTP--PSCGRRR-------------------STSGG--SLSETPP-------------------PPSCWTVSPGSHQSPLR--
82910010.q ------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2phk_PHK  ------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1l3r_PKA  ------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
21553095.m PEVLEPMQLNFFLSNPVEQVSCGDNHVVVLTRNKEVYSWGCGEYGRLGLDSEEDYYTPQRVDVPKALIIVAVQCGCDGTFLLTQSGKVLACGLNEFNKLGLNQCMSGIINHEAYHEVPYTTSFTLAKQLSFYKIRTIAPGKTHTAAIDERGRLLTFGCNKCGQLGVGNYKKRLGINLLGGPLGGKQVIRVSCG-------
17569669.w ------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2erk_Erk2  ------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1jwh_CKII  ------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
23508713.z ------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
40538760.d SDVYSYGIVLFELMTGELPYSQIGNRDQIIFMVGRGYLSPDLSKLYKRCPKAMKRLVADCIKKSKDERPLFPQILSSIELLQHSLPKINRSASEPSLHRASQSEDISSCTLTSMKLPVF-------
1ias_TGFbR ------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
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                 810       820       830       840       850       860       870       880       890       900       910       920       930       940       950       960       970       980       990
1000
         ....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|
15231346.p ~~~
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