

A

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A.mexicanus_plk2a -----YIDNVIETDLGLDLEAP----- 17
D.erio_plk2a MDLIRTAIHHHHHPVNSGKMCETHSRASERRRLEDT 41
M.musculus_plk2 MELLRTITYQ-----FAAGTMCCEQALGKCGGDSKKRRFPQPPSEDDGQ-----QAQVTPAA 52
H.sapiens_FLK2 MELLRTITYQ-----FAAGTMCCEQALGKCGGADSKRRFPQPPSEDDGQ-----QAQVTPAA 55
X.tropicalis_plk2 MELLRNIAVQ-----FSSGGKMCCEQALGRVCDNRFRVKEV-----ADGEP----- 40
A.mexicanus_plk2b MDITTRFVSR-----LFASTVDGTSEQRNRTGEGRRKKEEFS----- 37
D.erio_plk2b METLRNTVPT-----TITTHSEKMCLEKLSIQGQKKESEN----- 36

A.mexicanus_plk2a -----PDPQPELK-----VG-CLCS-----GSGPAKCYELDLSGGKVYAVKIIPH 57
D.erio_plk2a -----SYATQPMRSIVTDSATGKCYCRGKVLGGGGFAKCYEFTDLSTGKRYAAKIIPH 94
M.musculus_plk2 FHHHHHSHSGPESRILITVDPTTKRYCRGKVLGGGGFAKCYEMDLDITNRYAAKIIPH 112
H.sapiens_FLK2 FHHHHHSHSGPESRILITVDPTTKRYCRGKVLGGGGFAKCYEMDLDITNRYAAKIIPH 115
X.tropicalis_plk2 -----IHTCSADEVSRITDDFGTRRYCRGKVLGGGGFAKCYEMDLDITNRYAAKIIPH 96
A.mexicanus_plk2b -----NRTEPSRITDDPAGKCYCRGKVLGGGGFAKCYELDLSAGKYAAKIIPH 88
D.erio_plk2b -----SRTEYSRITDFTGKCYCRGKVLGGGGFAKCYEMDLSAGKYAAKIIPH 87
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A.mexicanus_plk2a TQVSRKQSPFTIDRFTLRHRLSHKHVQVYHHPFDPENITVILYCGRRSLAHILKARK 117
D.erio_plk2a TVSRKPHQRKIDRELEHRLALSHKHVQVYHHPFDPENITVILYCGRRSLAHILKARK 154
M.musculus_plk2 SRVAKPHQRKIDKELEHRLHLHSHKHVQVYHHPFDPENITVILYCGRRSLAHILKARK 172
H.sapiens_FLK2 SRVAKPHQRKIDKELEHRLHLHSHKHVQVYHHPFDPENITVILYCGRRSLAHILKARK 175
X.tropicalis_plk2 SRVSRKPHQRKIDKELEHRLHLHSHKHVQVYHHPFDPENITVILYCGRRSLAHILKARK 156
A.mexicanus_plk2b SRVAKPHQRKIDRELEHRLALSHKHVYHHPFDPENITVILYCGRRSLAHILKARK 148
D.erio_plk2b TVSRKPHQRKIDRELEHRLALSHKHVYHHPFDPENITVILYCGRRSLAHILKARK 147
* * * * *

A.mexicanus_plk2a VLTEPEVRYLRQIVTQLKYLHEQELIHRDLKLGNTFFINEMELKVGDFGLAALEPLEVN 177
D.erio_plk2a VLTEPEVRYLRQIVTQLKYLHEQELIHRDLKLGNTFFINEMELKVGDFGLAALEPLEVN 214
M.musculus_plk2 VLTEPEVRYLRQIVTQLKYLHEQELIHRDLKLGNTFFINEMELKVGDFGLAALEPLEVN 232
H.sapiens_FLK2 VLTEPEVRYLRQIVTQLKYLHEQELIHRDLKLGNTFFINEMELKVGDFGLAALEPLEVN 235
X.tropicalis_plk2 VLTEPEVRYLRQIVTQLKYLHEQELIHRDLKLGNTFFINEMELKVGDFGLAALEPLEVN 216
A.mexicanus_plk2b VLTEPEVRYLRQIVTQLKYLHEQELIHRDLKLGNTFFINEMELKVGDFGLAALEPLEVN 208
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A.mexicanus_plk2a RRRTICGTFNYLSPEVLNKGHGCESDVWALGCVMTMLLGGPPFFETNLRKTYRCIREA 237
D.erio_plk2a RRRTICGTFNYLSPEVLNKGHGCESDVWALGCVMTMLLGGPPFFETNLRKTYRCIREA 274
M.musculus_plk2 RRRTICGTFNYLSPEVLNKGHGCESDVWALGCVMTMLLGGPPFFETNLRKTYRCIREA 292
H.sapiens_FLK2 RRRTICGTFNYLSPEVLNKGHGCESDVWALGCVMTMLLGGPPFFETNLRKTYRCIREA 295
X.tropicalis_plk2 RRRTICGTFNYLSPEVLNKGHGCESDVWALGCVMTMLLGGPPFFETNLRKTYRCIREA 276
A.mexicanus_plk2b RRRTICGTFNYLSPEVLNKGHGCESDVWALGCVMTMLLGGPPFFETNLRKTYRCIREA 268
D.erio_plk2b RRRTICGTFNYLSPEVLNKGHGCESDVWALGCVMTMLLGGPPFFETNLRKTYRCIREA 267
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A.mexicanus_plk2a RYMPSTLSQAKHLISMLAKNPFEDRLRDLVLRHDFPFG-----VRESGS----- 284
D.erio_plk2a RYTPSSLSQAKHLISMLAKNPFVDRFQLCDLILHDFFOGFTPDRLSANOCCHAAPDTH 334
M.musculus_plk2 RYTPSSLLAPAKHLIASMLAKNPFEDRFLDDIIRHDFLQFTPDRLSSOCHVTPDFH 352
H.sapiens_FLK2 RYTPSSLLAPAKHLIASMLAKNPFEDRFLDDIIRHDFLQFTPDRLSSOCHVTPDFH 355
X.tropicalis_plk2 RYTPSSLLAPAKHLIASMLAKNPFEDRFLDDIIRHDFLQFTPEHLPSCCHVTPDFH 336
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D.erio_plk2b RYTPSSLSQAKHLISMLAKNPFDRPHDDIIRHDFLQFTPEHLPSCCHVTPDFH 327
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D.erio_plk2a LSSFAKSFYKAAATLFGGKDKAKINLEPNRNVSEDEE-----IYKLRDLKRVSTQCPKA 410
M.musculus_plk2 LSSFAKSFYKAAATLFGGKDKAKINLEPNRNVSEDEE-----IYKLRDLKRVSTQCPKA 413
H.sapiens_FLK2 LSSFAKSFYKAAATLFGGKDKAKYLETNRNKAPEEEEE-----IYKLRDLKRVSTQCPKA 394
X.tropicalis_plk2 LSSFAKSFYKAAATLFGGKDKAKYLETNRNKAPEEEEE-----IYKLRDLKRVSTQCPKA 386
A.mexicanus_plk2b LSSFAKSFYKAAATLFGGKDKAKYLETNRNKAPEEEEE-----IYKLRDLKRVSTQCPKA 385
D.erio_plk2b LSSFAKSFYKAAATLFGGKDKAKYLETNRNKAPEEEEE-----IYKLRDLKRVSTQCPKA 385

A.mexicanus_plk2a QLENNKPSIISAGKPAVLFRDASSVCHIRDSIRMIVRGTLRSCSSSSSELENCEVTVGSV 454
D.erio_plk2a HRADEEPQPPFTTVASGTS-AVENKQIGDAIRMIVRGTLRSCSSSS-ECLDSTMGSV 468
M.musculus_plk2 HRTDEEPQPPFTTVASGTF-AVENKQIGDAIRMIVRGTLRSCSSSS-ECLDSTMGSV 471
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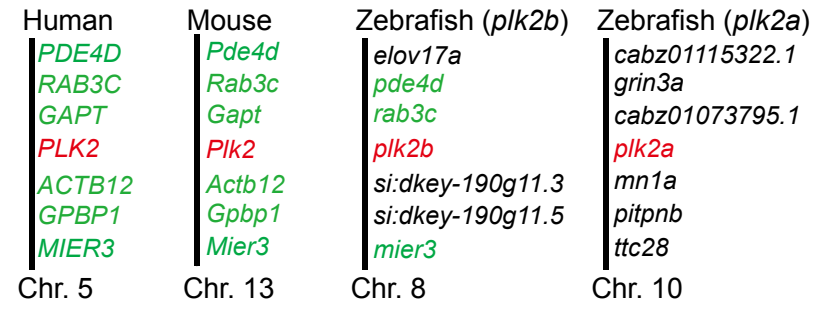
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D.erio_plk2a ADTVARVLGQCLEMSEADICPEQLSTFCWVTEWVDYSNRYGFGYQLSDHTVGLVFN 528
M.musculus_plk2 ADTVARVLGQCLEMSEADICPEQLSTFCWVTEWVDYSNRYGFGYQLSDHTVGLVFN 531
H.sapiens_FLK2 ADTVARVLGQCLEMSEADICPEQLSTFCWVTEWVDYSNRYGFGYQLSDHTVGLVFN 509
X.tropicalis_plk2 AEAVSVLGGCLEMSEADICPEQLSTFCWVTEWVDYSNRYGFGYQLSDHTVGLVFN 503
A.mexicanus_plk2b AEAVSVLGGCLEMSEADICPEQLSTFCWVTEWVDYSNRYGFGYQLSDHTVGLVFN 503
D.erio_plk2b AEAVSVLGGCLEMSEADICPEQLSTFCWVTEWVDYSNRYGFGYQLSDHTVGLVFN 503

A.mexicanus_plk2a GTHMSLLSDK-RTVHYVYALGQCSVFPATDAPEQPIQVTVLKYFASHYMEENLMDGSDL 573
D.erio_plk2a GTHMSLLSDK-RTVHYVYALGQCSVFPATDAPEQPIQVTVLKYFASHYMEENLMDGSDL 587
M.musculus_plk2 GTHMSLLSDK-RTVHYVYALGQCSVFPATDAPEQPIQVTVLKYFASHYMEENLMDGSDL 590
H.sapiens_FLK2 GTHMSLLSDK-RTVHYVYALGQCSVFPATDAPEQPIQVTVLKYFASHYMEENLMDGSDL 568
X.tropicalis_plk2 GTHMSLLSDK-RTVHYVYALGQCSVFPATDAPEQPIQVTVLKYFASHYMEENLMDGSDL 563
A.mexicanus_plk2b GTHMSLLSDK-RTVHYVYALGQCSVFPATDAPEQPIQVTVLKYFASHYMEENLMDGSDL 562
D.erio_plk2b GTHMSLLSDK-RTVHYVYALGQCSVFPATDAPEQPIQVTVLKYFASHYMEENLMDGSDL 562

A.mexicanus_plk2a NITDANKRPLVLLQWLKSDQALMGLFNDGTFQVNFYHDHTRKILCNHREYLLTYINEER 633
D.erio_plk2a SVTDIRRPLVLLQWLKSDKALMGLFNDGTFQVNFYHDHTRKILCNHREYLLTYINEER 647
M.musculus_plk2 SVTDIRRPLVLLQWLKSDKALMGLFNDGTFQVNFYHDHTRKILCNHREYLLTYINEER 650
H.sapiens_FLK2 SVTDIRRPLVLLQWLKSDKALMGLFNDGTFQVNFYHDHTRKILCNHREYLLTYINEER 628
X.tropicalis_plk2 SVTDIRRPLVLLQWLKSDKALMGLFNDGTFQVNFYHDHTRKILCNHREYLLTYINEER 623
A.mexicanus_plk2b SVTDIRRPLVLLQWLKSDKALMGLFNDGTFQVNFYHDHTRKILCNHREYLLTYINEER 623
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M.musculus_plk2 ISTFTRTLISAGCSADLQSRMDYALNMLLQRCQDVTGDSRMD 685
H.sapiens_FLK2 MSTFTRTLISAGCSADLQSRMDYALNMLLQRCQDVTGDSRMD 663
X.tropicalis_plk2 VSTFTRTLISAGCSADLQSRMDYALNMLLQRCQDVTGDSRMD 661
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D.erio_plk2b VSTFTRTLISAGCSADLQSRMDYALNMLLQRCQDVTGDSRMD 657
    
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