

PRDM9_homSap DKGHNPNRSALSLPGLRIGPSSIPQAGLVWNEASDLPLGLHFGPYEGRITDEEAAANNYSWLLITKGRNCEYVDGDKDSWANWHRVNCARDEEONLVAFQYHRQIFVYRTRCVIRPQCELLVWYDDEYGGELGIWGSKWKKELMAGR
PRDM9_panTroR.....S.....O.....S.....E.....S.....
PRDM9_gorGorK.....E.....
PRDM9_ponAbeK.....
PRDM9_nomLeuM.....
PRDM9_macMulQ.....
PRDM9_papHamK.....S.....
PRDM7_homSapS.....
PRDM7_ponAbeK.....
PRDM7_calJacHA.....V.....SS.....
PRDM7_micMurK.R.....E.....OV.....S.....D.....E.....Q.....TIRQ
PRDM7_otoGarV.....S.G.RT.....F.....O.....OV.....S.....E.QG.....E.....Q.....T.Q
PRDM7_tupBelS.L.....V.....A.....E.....A.T.....O.....S.....E.C.....E.....E.....S.WQ.E
PRDM9_oryCunV.....E.....O.....S.....
PRDM7_oryCunE.....E.....O.....E.....S.....S.....R.....R.....N.....K.....O.....K.....E.....T.....
PRDM7_ochPriH.V.....S.....E.....TT.....OV.....E.....T.S.....R.....P.O.....N.....AV.Q.....E.....T.....
PRDM7_ratNorR.....H.V.....E.....V.....K.O.....E.....E.Q.....K.....R.....M.GFT.....
PRDM7_musMusR.....H.V.....S.....E.....V.....O.....S.....O.E.Q.....K.....R.....M.GFT.....
PRDM7_musMolR.....H.V.....S.....E.....V.....O.....S.....O.E.Q.....K.....R.....M.GFT.....
PRDM7_dipOrdYD.V.....RQ.S.E.....E.....O.....D.....S.....M.....V.....Q.....Y.....KA.....R.....T.....
PRDM7_speTriN.D.S.H.T.....L.....S.....E.....T.....R.....O.....S.....E.Q.....S.....
PRDM9_bosTauE.A.....V.T.....S.K.L.....E.....H.....O.D.K.I.S.....S.....T.L.....H.Y.....G.....Q.V.....E.K.....C.E.RG.SMPA.....
PRDM9_ovisAriE.A.....T.H.S.R.L.....D.....H.....A.....O.D.K.V.S.....T.L.....L.GG.....Q.V.....D.....RD.SG.S.A.....
PRDM9_musMusE.A.....T.H.S.R.L.....D.....H.....A.....O.D.K.V.S.....T.L.....L.GG.....Q.V.....D.....RD.SG.S.A.....
PRDM7_turTurR.....T.....S.R.....E.....O.....S.....T.....T.....E.....V.....S.....P.G.SQ.V.....
PRDM7_lamPacT.....R.....E.....H.....OV.....S.....K.....Y.....E.....S.....S.WQ.E
PRDM7_susScrT.....R.....E.....H.....OV.....S.....V.....T.I
PRDM7_felCatG.....T.....R.....S.E.....T.....O.....S.....N.....S.ST.K
PRDM7_ailMelQ.....R.....R.....E.....N.....E.....S.A.K
PRDM7_pteVamR.....T.....E.....L.....OV.....S.....G.....R.....R.....T.Q.D.....TS
PRDM7_myoLucA.....T.....E.....EC.V.....Y.....O.....A.I.....S.....T.Q.....V.K.....E.....T.PV.....
PRDM7_equCabT.L.....R.....E.....S.....S.....I.....R.....T.....
PRDM7_sorAraA.....S.....T.H.....E.....I.....O.N.....S.....V.E.L.....Y.....I.K.....S.T.DK
PRDM9_loxAfr1R.....H.....T.....S.K.....E.....K.....S.....R.....E.....T.Q.D.....R.....TS
PRDM7_choHofGQ.R.KH.....V.....E.....H.....E.....Q.....V.....T.S.....C.....A.....T.EK
PRDM9_homSap DKGHNPNRSALSLPGLRIGPSSIPQAGLVWNEASDLPLGLHFGPYEGRITDEEAAANNYSWLLITKGRNCEYVDGDKDSWANWHRVNCARDEEONLVAFQYHRQIFVYRTRCVIRPQCELLVWYDDEYGGELGIWGSKWKKELMAGR

PRDM11_homSap VGIPTDRAALTIPQGEVVKVTSGESDVRVCNVEVPIKGIHFGPYEQISTQDKSAGFPMSLVDNNRKYKSIDGSETPKANWHRVVISREERQNLAFQHSERIYFRACRDIRPGEWLWVWYSEDYMKRLHSMGSOETHRNLAR
PRDM11_panTroI.....V.....
PRDM11_rheMac2I.....
PRDM11_papHamI.....
PRDM11_calJac1EA.....N.....I.....A.....C.....R.....
PRDM11_otoGar1M.....
PRDM11_musMusAG.....I.....I.....R.....
PRDM11_ratNorI.....W.....I.....R.....
PRDM11_dipOrd1S.....S.....I.....R.....D.....G.....
PRDM11_cavPor3I.EAG.....I.....G.....R.....O.R.....
PRDM11_speTri1EA.....IS.....R.....AA.....S.....O.....N.H.....A.....R.....G.....
PRDM11_oryCun2L.....QEA.....I.D.....R.....
PRDM11_ochPri2M.A.....EA.....LSD.....E.X.C.DEL.L.H.G.....H.....V.....R.....
PRDM11_vicPac1N.A.....EA.....LSD.....E.X.C.DEL.L.H.G.....S.....I.....R.....
PRDM11_bosTau4EA.....N.....I.....R.....T.....R.....
PRDM11_equCab2EA.....N.....I.....T.....R.....
PRDM11_canFam2EA.....N.....I.....R.....H.....
PRDM11_myoLuc1L.....E.V.G.....I.....W.....Y.....Y.....
PRDM11_pteVam1A.....N.....S.I.....S.....H.....R.....
PRDM11_eriEur1V.....EA.....I.....H.....V.....S.....H.....R.....
PRDM11_loxAfr3EA.....N.....IS.....V.....V.....R.....O.....
PRDM11_echTcl1M.....EG.....N.....IS.....T.....LR.....Y.RN.....V.....C.....H.....S.....GO.....T.....
PRDM11_dasNov2EA.....N.....I.....T.....V.....
PRDM11_homSap VGIPTDRAALTIPQGEVVKVTSGESDVRVCNVEVPIKGIHFGPYEQISTQDKSAGFPMSLVDNNRKYKSIDGSETPKANWHRVVISREERQNLAFQHSERIYFRACRDIRPGEWLWVWYSEDYMKRLHSMGSOETHRNLAR

PRDM4_homSap ESARLRLSLPGLRIGPSSIPQAGLVWNEASDLPLGLHFGPYEGRITDEEAAANNYSWLLITKGRNCEYVDGDKDSWANWHRVNCARDEEONLVAFQYHRQIFVYRTRCVIRPQCELLVWYDDEYGGELGIWGSKWKKELMAGR
PRDM4_panTroA.....
PRDM4_ponAbe2A.....
PRDM4_choMac2A.....
PRDM4_papHamA.....
PRDM4_calJac1R.....
PRDM4_tarSyr1I.....A.....H.....P.....YN.F.....N.....A.....
PRDM4_micMur1H.....A.....V.....V.....
PRDM4_otoGar1TD.....A.....L.....V.....T.....Y.....S.....N.....
PRDM4_musMusTD.....A.....S.V.....Y.....
PRDM4_ratNorTD.....A.....S.V.....Y.....
PRDM4_dipOrd1V.....D.....S.....G.....A.....R.....Y.....T.....M
PRDM4_cavPor3V.....D.....S.....G.....A.....R.....Y.....T.....M
PRDM4_oryCun2V.....D.....S.....G.....A.....R.....Y.....T.....M
PRDM4_vicPac1D.....Y.....
PRDM4_turTur1D.....Y.....
PRDM4_bosTau4D.....Y.....
PRDM4_equCab2D.....Y.....
PRDM4_canFam2N.....W.....V.....Y.....Y.....
PRDM4_pteVam1I.....Y.....
PRDM4_loxAfr3D.....AA.....Y.....
PRDM4_proCap1A.....V.....D.....M.....F.....S.....V.....H.....H.....Y.....S.....M
PRDM4_echTcl1P.....F.....T.....X.S.A.....D.....S.....A.....V.....Y.....
PRDM4_dasNov2P.....F.....T.....X.S.A.....D.....S.....A.....V.....Y.....
PRDM4_choHof1P.....F.....T.....X.S.A.....D.....S.....A.....V.....Y.....
PRDM4_homSap ESARLRLSLPGLRIGPSSIPQAGLVWNEASDLPLGLHFGPYEGRITDEEAAANNYSWLLITKGRNCEYVDGDKDSWANWHRVNCARDEEONLVAFQYHRQIFVYRTRCVIRPQCELLVWYDDEYGGELGIWGSKWKKELMAGR

PRDM10_homSap LTRARASLPLVLIIDRFGLGVPSKRRIPKRTQPGPEGLVRSGLKDCYIHLVSLDGGDKRERDLHDLWFLSDDELGNHMMVVRPAQHNLQNLVAFQYGHVYTTTKVFPKQELVWVAAYAFVFNKHDHISEERK
PRDM10_panTroD.....
PRDM10_ponAbe2D.....
PRDM10_papHamD.....
PRDM10_calJac1D.....
PRDM10_micMur1D.....
PRDM10_otoGar1D.....
PRDM10_tupBel1D.....
PRDM10_musMusD.....
PRDM10_ratNorD.....
PRDM10_dipOrd1D.....N.....D.....H.....
PRDM10_cavPor3D.....E.....S.....R.....
PRDM10_speTri1D.....R.....
PRDM10_oryCun2D.....
PRDM10_ochPri2D.....
PRDM10_turTur1D.....R.....
PRDM10_bosTau4D.....R.....
PRDM10_equCab2D.....R.....
PRDM10_felCat3D.....E.....E.....D.....
PRDM10_canFam2D.....E.....E.....D.....
PRDM10_myoLuc1D.....E.....E.....D.....
PRDM10_pteVam1D.....E.....E.....D.....
PRDM10_eriEur1D.....E.....E.....D.....
PRDM10_loxAfr3D.....E.....E.....D.....
PRDM10_proCap1D.....E.....E.....D.....
PRDM10_dasNov2D.....E.....E.....D.....
PRDM10_choHof1D.....E.....E.....D.....
PRDM10_homSap LTRARASLPLVLIIDRFGLGVPSKRRIPKRTQPGPEGLVRSGLKDCYIHLVSLDGGDKRERDLHDLWFLSDDELGNHMMVVRPAQHNLQNLVAFQYGHVYTTTKVFPKQELVWVAAYAFVFNKHDHISEERK

PRDM15_homSap SLSLPLNLEIRLLEDGAGVFAITQLVKRTQPGPFESRRVAKWEKESAPPLKVFQKDGHPVCFDTSNEDDCNMMVLRPAAEAEHQNLTAHQGSDVYFTTSRDIPPGTELRVWVAAYAFVFNKHDHISEERK
PRDM15_panTro
PRDM15_gorGor1
PRDM15_ponAbe2
PRDM15_rheMac2
PRDM15_papHam
PRDM15_calJac1V.....C.SA.
PRDM15_tarSyr1V.....P.....R.....C.SA.
PRDM15_micMur1V.....P.....R.....C.SA.
PRDM15_otoGar1V.....P.....R.....C.S.
PRDM15_musMusS.....D.....V.....L.PG.....K.A.A.....C.S.Q
PRDM15_ratNorS.....D.....V.....L.PG.....K.A.A.....C.S.Q
PRDM15_dipOrd1S.....D.....TV.....PG.....GH.....R.....C.T.
PRDM15_cavPor3S.....D.....TV.....PG.....F.Q.....C.....

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PRDM15_ochPri2 .....T.....V.....Q.G..F.....A.....R..CASA.
PRDM15_turTru1 .....S.....V.....PG.....F.....R.....R..CP.L.
PRDM15_bosTau4 .....S.....V.....PG.....F.....R.....R..CP.LQ
PRDM15_equCab2 .....S.....L.....V.....A.....C.S.
PRDM15_felCat3 .....S.....L.....V.....A.....C.A.
PRDM15_canFam2 .....S.....V.....VGP.....N.....A.....CP.A.
PRDM15_myoLucl .....S.....V.....VGP.....D.....C.S.
PRDM15_pteVam1 .....SS.....V.....LAP.....F.....CP..
PRDM15_loxAfr3 .....S.....T.....V.....V.H.....QD.....CA.A.
PRDM15_proCap1 .....S.....T.....V.....V.H.....QD.....CA..
PRDM15_echTel1 .....S.....T.....V.....VDH.....QD.....SA.T.
PRDM15_dasNov2 .....S.....T.....V.....R..R.....E.HG.....D.....A.....C..AQ
PRDM15_homSap  SSLPPNLEIRRLLEDGAEVFAITQLVKRTQFGPFESRRVARWEKESAPFLKVFQKDGHPVCFDTSNEDDCNWMMLVHPAAEAEHQNLTAHQHSDVYFTTSRDIPPGTELKVVYAAFYAKKMDKPKLQAGSGVH

PRDM6_homSap  TSSAAAAAPPPELPEWLRDLPRVCLCTSTVPLGLAYGICAAQRIQOQGTWIGPFQGVLLPPEKVOAGAVRNTQHLWEIYDQDGLQHPIDGGEPSKSSWMRYIKCARHCGEQNLTVVQYNSNIFYRACIDIIPRGTELLVMYNDSTYTSFPGIPLQCIAQDEN
PRDM6_panTro2 .....S.....
PRDM6_gorGor1 .....S.....
PRDM6_ponAbe2 .....S.....
PRDM6_choMac2 .....S.....
PRDM6_papHam1 .....C.....
PRDM6_calJac1 .....C.....
PRDM6_tarSyr1 .....C.....
PRDM6_micMur1 .....S.....
PRDM6_tupBe11 .....S.....T.V.....
PRDM6_musMus .....S.....T.V.....
PRDM6_ratNor .....T.....V.....
PRDM6_dipOrd1 .....D.....L.....H.....
PRDM6_speTril .....H.....
PRDM6_oryCum2 .....H.....
PRDM6_ochPri2 .....T.....
PRDM6_turTru1 .....T.....
PRDM6_bosTau4 .....T.....
PRDM6_equCab2 .....G.....M.....
PRDM6_felCat3 .....T.S...A.R.....A.....T.L.....
PRDM6_canFam2 .....T.S...A.R.....A.....T.L.....
PRDM6_myoLucl .....G.....M.....
PRDM6_pteVam1 .....T.S...A.R.....A.....T.L.....
PRDM6_eriEur1 .....T.S...A.R.....A.....T.L.....
PRDM6_sorAra1 .....T.S...A.R.....A.....T.L.....
PRDM6_loxAfr3 .....T.S...A.R.....A.....T.L.....
PRDM6_dasNov2 .....T.S...A.R.....A.....T.L.....
PRDM6_choHof1 .....T.S...A.R.....A.....T.L.....
PRDM6_homSap  TSSAAAAAPPPELPEWLRDLPRVCLCTSTVPLGLAYGICAAQRIQOQGTWIGPFQGVLLPPEKVOAGAVRNTQHLWEIYDQDGLQHPIDGGEPSKSSWMRYIKCARHCGEQNLTVVQYNSNIFYRACIDIIPRGTELLVMYNDSTYTSFPGIPLQCIAQDEN

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