CLUSTAL 2.0.3 multiple sequence alignment

Arabidopsi ------------------------------------------------------------

Oryza\_sati ------------------------------------------------------------

Homo\_sapie MAAVPQNNLQEQLERHSARTLNNKLSLSKPKFSGFTFKKKTSSDNNVSVTNVSVAKTPVL

Pan\_troglo MAAVPQNNLQEQLERHSARTLNNKLSLSKPKFSGFTFKKKTSSDNNVSVTNVSAAKTPVL

Bos\_taurus MAAVPQNNLQEQLERHSARKLNNKLSLSKPKSSGFTFKKKVPSANNVSVTSVSVAKTPVL

Mus\_muscul MAAVPLNNLQEQLQRHSARKLNNQPSLSKPKSLGFTFKKKTS-EGDVSVTSVSVVKTPAL

Gallus\_gal ------------------------------------------------------------

Danio\_reri MSSLPQNNLKEHLERHNN-AAQNKLSLLKPKPGGFCFKKKSSSGISKVEVPQKVTGSSVL

Plasmodium ------------------------------------------------------------

Arabidopsi ------------------------------------------------------------

Oryza\_sati ------------------------------------------------------------

Homo\_sapie RNKDVNVTEDFSFSEPLPNTTN--QQRVKD-FFKNAPAGQETQRGGSKSLLPDFLQTPKE

Pan\_troglo RNKDVNVTEDVSFSEPLPNTTN--QQRAKD-FFKNAPAGQQTQRVGSKSLLPDFLQTPKE

Bos\_taurus SDKDVNITEAFSFSEPLPHTTN--QQTGIN-DFKSAPSGPQTKRVGSKPLLPSLSQVPQE

Mus\_muscul SDKDVNVSEAFSFTESPLHKPK--QQAKIEGFFKHFPGRQQSKGTCSEPSLPATVQTAQD

Gallus\_gal ------------------------------------------------------------

Danio\_reri ANRSVNIPSNFEVTKNPVTFSQKPERVAPKVNFFTAPSKPKTNTVNPLANPFALNKTPLV

Plasmodium ------------------------------------------------------------

Arabidopsi ------------------------------------------------------------

Oryza\_sati ------------------------------------------------------------

Homo\_sapie VVCTTQNTPTVKKSRDTALKKLEFSSSPDSLSTINDWDDMDDFDTSETSKSFVTPPQSHF

Pan\_troglo VLCTTQNTPTVKKSRDTALKKLEFSSSPDSLSTINDWDDMDDFDTSETSKSFVTPPQSHF

Bos\_taurus VSCTAQNTPVIKQSLNATFKKLEFSSSSDSLIAFNDWDDMDDFDTSGNSKAFVTPCKNHF

Mus\_muscul TLCTTPKTPTAKKLPVAVFKKLEFSSSADSLS---DWADMDDFDMS-ASDAFASLAKNPA

Gallus\_gal ------------------------------------------------------------

Danio\_reri QSTIKALPKSAALPKDSTNDQTVELKHDISQLSFNEWDDLDDFETPVKSRVASPVAGTST

Plasmodium ------------------------------------------------------------

Arabidopsi ------------------------------------------------------------

Oryza\_sati ------------------------------------------------------------

Homo\_sapie VRVSTAQKSKKGKRNFFKAQLYTTNTVKTDLPPPSSESEQIDLTEEQKDDSE--------

Pan\_troglo VRVSTAQKSKKGKRNFFKAQLYTTNTVKTDLPPPSSETEQIDLTEEQKDDSE--------

Bos\_taurus VRVSTAQKSKKSKRNLVKAQLNKTHTGETDLAPSSSESKQEHLTEKQKDDSE--------

Mus\_muscul TRVSTAQKMKKTKRNFFKPPPRKANAVKTDLTPPSPECLQVDLTKESEEEEEEEEEAEGA

Gallus\_gal ------------------------------------------------------------

Danio\_reri KKPSVSDQNTSSSCSSKCEETKVNEESQATETITAPKDVLSAANGVSTETAE--------

Plasmodium ------------------------------------------------------------

Arabidopsi -----------------------------------------MKDQDLELEKVRLISLATK

Oryza\_sati -----------------------------------------MAG--YEREKKRLLDLAAD

Homo\_sapie -WLSSDVICIDDGPIAEVHINEDAQESDSLKTHLEDERDNSEKKKNLEEAELHSTEKVPC

Pan\_troglo -WLSSDVICIDDGPIAEVHINEDAQESDSLKTHLEDERDNSKKKKNLEEAELHSTEKVPC

Bos\_taurus -WLSSDVICIDDDPDPEELINEDTQENHSLKTHLGAERGNCEKKKNLEETELRSVEKSSC

Mus\_muscul DCLSRDVICIDNDSASEELTEKDTQESQSLKAHLGAERGDSEKKSHEDEAVFHSVQNTEY

Gallus\_gal ------------MEEARAATNGGSGESQKLS--------NGEKSSQLEPGDVG-NELLAD

Danio\_reri --REPEDSPIKKSKRPKKSVQHTALLSDTEDEEIIHCVSPDTNQKNFKSVAVAEKDKWGE

Plasmodium ------------------------------------------------------------

Arabidopsi LGFD--------------------------------------------------------

Oryza\_sati SGFE--------------------------------------------------------

Homo\_sapie IEFDDDDYDTDFVPPSPEE-IISASSSSSKCLSTLKDLDTSDRKEDVLSTSKDLLSKPEK

Pan\_troglo IEFDDDDYDTDFVPPSPEK-IISSSSSSSKCLSMLKDLDTSDRKEDVLSTSKDLLSKPEK

Bos\_taurus IELDEDDYDIDFVPPSPEEGMTSTSSSSLKCSSMLKDLDTSDKK-HSLSTSEDLS-KLKE

Mus\_muscul FEHNDNDYDIDFVPPSPEE-IISTASSSLKCSSMLKDLDDSDKEKGILSTSEELLSKPEE

Gallus\_gal IELEEDDY-LDVVPPSPEEELPSFSPSVRNVSNIFKESPTDGRSAVHGTESEPELMAPKQ

Danio\_reri PNVIDSDDCEENNHYEGFEDFIPPSPIPEEISLSVSDKEKSSSEPVTPANK-------KE

Plasmodium ------------------------------------------------------------

Arabidopsi ----------------------EDSAKKCLDRFVDLYGDDGRDFITVELCGDDFLA----

Oryza\_sati ----------------------RDLAADCLDRIVRLYGEGGQGFITVENCGDDFLG----

Homo\_sapie MSMQELNPETSTDCDARQIS-LQQQLIHVMEHICKLIDTIPDDKLKLLDCGNELLQQRNI

Pan\_troglo MSTQELNPETSTDCDARQIS-LQQQLIHVMEHICKLIDTIPDDKLKLLDCGNELLQQRNI

Bos\_taurus MATQQPNQETSTSCEARQTS-LQQQLIRVMDRICKLVDAVPDDELKALDCGNELLQQRDI

Mus\_muscul MTTHKSDAGTSKDCDAQQIR-IQQQLIHVMEHICKLVDTVPTDELEALNCGTELLQQRNI

Gallus\_gal PAAEQ---DSSAEHADKGLH-LEQQLYSVMEDICKLVDAIPLHELTSISCAKELLQQREL

Danio\_reri SSRSASGLPAPLDQSAKGLKGADDALFSVMESICCLVDTIPEHELIALTCGTELLLQRAH

Plasmodium ------------------------------------------------------------

Arabidopsi ---ALADFEEGTEEWDDIQAIES-----------------------------------EA

Oryza\_sati ---ALADATNNNDDWDDLNAIEN-----------------------------------EA

Homo\_sapie RRKLLTEVDFNKSDASLLGSLWR--YRPDSLDGPME-------------GDSCPTGNSMK

Pan\_troglo RRKLLTEVDFNKSDASLLGSMWR--CRPDSLDGPMK-------------GDSCPTGNSMK

Bos\_taurus RRKLLAEADFDPSDASVLSAMWG--CRPDPLESPVKDLASVSLPYAFRKGDSCLAGNAVK

Mus\_muscul RRKLLAEAGFNGNDVRLLGSLWR--HRPDSLDNTVQ-------------GDSCPVGHPNK

Gallus\_gal RRKLLADSGALNTNSVNGPRNWKACVQQDPSSRPGTPLCSGP------GRGVSSVGSTPK

Danio\_reri RKRILAKGGSSRTSHSDSVSTPGFLNRPTFGVTPSNLTSLTPVTSG--KREGVKTGFSFR

Plasmodium ------------------------------------------------------------

Arabidopsi QGNLAEMFDKSTNPS---------------------------------------------

Oryza\_sati CGNLNGMMKHG-------------------------------------------------

Homo\_sapie ELNFSHLPSNSVSPG--DCLLTTTLGKTGFSATRKN-----------LFERPLFN-----

Pan\_troglo ELNFSHLPSNSVSPG--DCLLTTTLGKTGFSATRKN-----------LFERPLFN-----

Bos\_taurus EFTLPHLPSNSMSTR--ERLLTPPLGKTGVLATTKS-----------PFERPLFS-----

Mus\_muscul ELNSPYLLSHSPSTE--ECLPTTTPGKTGFSATPKN-----------LFERPLLN-----

Gallus\_gal STNLPSVLSRTVNSSSFSTIRNQTLDKLDTSYSSKETDQEVICLEPAALPSPKVNGKGST

Danio\_reri KSIASVMSVGDESVFEDSDCIINGVETPGGTWNPNSS-------TKISAGRDTFNGSIQT

Plasmodium ------------------------------------------------------------

Arabidopsi --------------DNGFDTDDDDDDSRVEVHVIEDSPEPKKKP----------------

Oryza\_sati ------------------VIDDKEVEVRTPLFRQAESSARQTRI----------------

Homo\_sapie --THLQKSFVSSNWAETPRLGKKNESSYFPGNVLTSTAVKDQNKHTAS--INDLER--ET

Pan\_troglo --THLQKSFVSSNWAETPRLGKKNESSYFPGNVLTSTAVKDQNKHTAS--INDLER--ET

Bos\_taurus --SHLQKSFVSSNWAETPRAEKRNESPDFPGNVLTSTAVKDQNKYTTS--INDLER--EL

Mus\_muscul --SHLQKSFVSSNWAETPRMENRNESTDFPGSVLTSTTVKAQSKQAAS--GWNVER--HG

Gallus\_gal SLSRPSEASFNGSWCEKP-TGRDSGNWRVPERPTASTALKAQHTAPAGNPASGCWD--VN

Danio\_reri LSKPESKTDKCYSRLSFNESSNQTDLFYSPKRVDSGSRNADSSVEINIAGSSSLRTGAEP

Plasmodium ------------------------------------------------------------

Arabidopsi ---------EIVELDSSSDL---EDVETRFKVPRRSQTCSRSMDYSM-------------

Oryza\_sati ---------NLDSFGFSSD----DDFETLESHCDRSVSTQKKVNRGN-------------

Homo\_sapie QPSYDIDNFDIDDFDDDDD---WEDIMHNLAASKSSTAAYQPIKEGRPIKSVSERLSSAK

Pan\_troglo QPSYDIDNFDIDDFDDDDD---WEDIMHNLAASKSSTAAYQPIKEGRPIKSVSERLSSAK

Bos\_taurus QAACEIDNFDIDDFDDDDDD--WENLMQNLAASKSSTAAYPPIKEGRPVKSVSERPSSAK

Mus\_muscul QASYDIDNFNIDDFDDDDDDDDWENIMHNFPASKSSTATYPPIKEGGPVKSLSERISSAK

Gallus\_gal DTDFDLDHFDIDDFDEGWE----EAVAPEAAPEAPPAPQWQPLREGS--ASLRCRLLAAA

Danio\_reri VDDFLLDDFDIDDFDENDIPDYYEEPPSVLESRNNSGVKTPSVQEGGSSKSFER-----K

Plasmodium ---------------------------MNEDAMKILNKCSGEKKKGE-------------

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Arabidopsi EDSVSTISG----------------RKPSVQISNKDHETPSYEELQALDDLEFANLVIFG

Oryza\_sati NRCESSTS-----------------------TSNR--ETLSYQQLYSLDDINFANVVIFG

Homo\_sapie TDCLPVSSTAQNINFSESIQNYTDKSAQNLASRNLKHERFQSLSFPHTKEMMKIFHKKFG

Pan\_troglo TNCLPVSSTAQNINFSESIQNYTDKSAQNLASGNLKHERFQSLSFPHTKEMMKIFHKKFG

Bos\_taurus TDCLPGASTTQNKNFSESIPNYPDKMEQNLASRNPKHERFQSLNFPHTKEMMKIFHKKFG

Mus\_muscul AKFLPVVSTAQNTNLSESIQNCSDKLAQNLSSKNPKHEHFQSLNFPHTKEMMKIFHKKFG

Gallus\_gal AGSAPGPHPTAP----KSGCGISAKSSSEPLVHNPAHERFRGMKFSHSEEMLKIFHRKFG

Danio\_reri TFTPPAPKS-------------IKTPNPEPLYRNPAHDRFRGFNFPHSPEMMKIFHKKFG

Plasmodium ----------------------------DLNSCNLLEYYKTKYSSIDIEKAKLILKEQFL

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Arabidopsi NKVFRPLQHQACRASMERKDCFVLMPTGGGKSLCYQLPATLKAGVTIVISPLLSLIQDQI

Oryza\_sati NKSFRPLQYEACRAAVSNMDTFVLMPTGGGKSLCYQLPATLHPGVTVVVCPLLSLIEDQI

Homo\_sapie LHNFRTNQLEAINAALLGEDCFILMPTGGGKSLCYQLPACVSPGVTVVISPLRSLIVDQV

Pan\_troglo LHNFRTNQLEAINAALLGEDCFILMPTGGGKSLCYQLPACVSPGVTVVISPLRSLIVDQV

Bos\_taurus LHNFRTNQLEAINAALLGEDCFILMPTGGGKSLCYQLPACVSPGVTIVISPLRSLIVDQV

Mus\_muscul LHNFRTNQLEAINAALLGEDCFILMPTGGGKSLCYQLPACVSPGVTIVISPLRSLIVDQV

Gallus\_gal LHSFRTNQLEAINAALLGEDCFILMPTGGGKSLCYQLPACVSAGVTVVISPLRSLIIDQV

Danio\_reri LHQFRFNQLEAINASLLGEDTFVLMPTGGGKSLCYQLPACVSAGVTVVISPLRSLIVDQV

Plasmodium IPDFREKQLECLNSIKRFEHVLNIMPTGGGKSLIYQVLPLIIEGISIVISPLISLIQDQI

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Arabidopsi VALNLKFGIPATFLNSQQTSSQAAAVLQELRRDNP-SCKLLYVTPEKIAGSSSFLETLRC

Oryza\_sati VALNFKFAIPAAFLNSQQTPSQSSAVIQELRSGKP-SFKLLYVTPERMAGNSSFIGILIG

Homo\_sapie QKLTS-LDIPATYLTGDKTDSEATNIYLQLSKKDP-IIKLLYVTPEKICASNRLISTLEN

Pan\_troglo QKLTS-LDIPATYLTGDKTDSEATNIYLQLSKKDP-IIKLLYVTPEKICASNRLISTLEN

Bos\_taurus QKLTS-LDIPATYLTGDKTDSEATSIYLQLSKKDP-IIKLLYVTPEKVCASNRLISTLEN

Mus\_muscul QKLTS-FDIPATYLTGDKTDSEAANIYLQLSKKDP-IIKLLYVTPEKVCASNRLISTLEN

Gallus\_gal QKLKT-LDIASTYLTGDITDADASKTYMQLSKKDP-IIKLLYVTPEKVCASNRLLSALEN

Danio\_reri QKLTT-LDICATSLSGDKKDSEAARIYMQLSRKDP-AIKLLYATPEKVCASGRMISALQN

Plasmodium ISLRN-KKIVAETINSSLNKKENERILDILKSQDLGNLKVLYITPETATSG-YFIDILYE

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Arabidopsi LDRKGLLAGFVVDEAHCVSQWGHDFRPDYRELGCLKQNFPRVPVMALTATATESVCQDVL

Oryza\_sati LHQRGLLARFVIDEAHCVSQWGHDFRPDYRGLGCLKQNFPRVPIMALTATATASVCKDIL

Homo\_sapie LYERKLLARFVIDEAHCVSQWGHDFRQDYKRMNMLRQKFPSVPVMALTATANPRVQKDIL

Pan\_troglo LYERKLLARFVIDEAHCVSQWGHDFRQDYKRMNMLRQKFPSVPVMALTATANPRVQKDIL

Bos\_taurus LYERKLLARFVIDEAHCVSQWGHDFRPDYKRMNILRQKFPSVPVMALTATANPRVQKDIL

Mus\_muscul LYERKLLARFVIDEAHCVSQWGHDFRQDYKRMNMLRQKFPSVPVMALTATANPRVQKDIL

Gallus\_gal LYNRKLLARFVIDEAHCVSQWGHDFRKDYKRLNMLRKKFHSVPMMALTATANPRVQKDIQ

Danio\_reri LYERGLLARLVIDEAHCVSQWGHDFRPDYKRLHELRRMFPNVPIMALTATATPRVQKDIL

Plasmodium LYINKKISLISIDEVHCISTWGSDFRKSYRNLNKILDICPYVRTYCCTATATKFVEKDII

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Arabidopsi KSLRIPRA-----------------------------------PVLKMSFDRINLKYEVI

Oryza\_sati STLRIPNA-----------------------------------TVLKRSFDRTNLNYEVI

Homo\_sapie TQLKILRP-----------------------------------QVFSMSFNRHNLKYYVL

Pan\_troglo TQLKILRP-----------------------------------QVFSMSFNRHNLKYYVL

Bos\_taurus TQLKILRP-----------------------------------QVFSMSFNRHNLKYYVL

Mus\_muscul TQLKILRP-----------------------------------QVFSMSFNRHNLKYYVL

Gallus\_gal NQLEMLKP-----------------------------------QVFTMSFNRHNLKYDVL

Danio\_reri NQLAMTRP-----------------------------------QVFTMSFNRNNLKYSVL

Plasmodium RNLNFYIFNKDCDNNINNNNINNNNNIHNNNKYDDHNNNCKVLNIVRTSFNRPNLKYIII

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Arabidopsi VKT-KEPLKQ---LQELLRDRFKDQSGIVYCLSKSECVDVAKFLNEKCKVKTVYYHAGVP

Oryza\_sati GKT-KTPQKQ---LGDLLKERFMNMSGIVYCLSKNECADTAKFLREKYKIKCAHYHAGLA

Homo\_sapie PKKPKKVAFD---CLEWIRKHHPYDSGIIYCLSRRECDTMADTLQRD-GLAALAYHAGLS

Pan\_troglo PKKPKKVAFD---CLEWIRKHHPYDSGIIYCLSRRECDTMADTLQRD-GLAALAYHAGLS

Bos\_taurus PKKPKKVAFD---CLEWIRKHHPHDSGIIYCLSRRECDTMAETLQND-GLAALAYHAGLS

Mus\_muscul PKKPKKVAFD---CLEWIRKHHPYDSGIIYCLSRRECDTMADTLQRE-GLAALAYHAGLS

Gallus\_gal PKKPKKVAMD---CLEWIKKYHPHDSGIIYCLSRHECDTTAAILQKE-GLAALAYHAGLT

Danio\_reri PKKPKKVDEE---CIQWIKKYYPRDSGIVYCLSRNDCDTLADSLQRA-GIAALAYHAGLS

Plasmodium YSDLIKDEKKNSVCDIINEKRNKGKIGIIYCFKRNTCDEISKYLREK-GIQALSYHAGLT

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Arabidopsi AKQRVDVQRKWQTG-EVRIVCATIAFGMGIDKADVRFVIHNTLSKAVESYYQESGRAGRD

Oryza\_sati ARQRSNVQGKWHSG-EVKVICATIAFGMGIDKPDVRFVIHNTMSKSIESYYQESGRAGRD

Homo\_sapie DSARDEVQQKWINQDGCQVICATIAFGMGIDKPDVRFVIHASLPKSVEGYYQESGRAGRD

Pan\_troglo DSARDEVQQKWINQDGCQVICATIAFGMGIDKPDVRFVIHASLPKSMEGYYQESGRAGRD

Bos\_taurus DSARDEVQHKWINQDGCQVICATIAFGMGIDKPDVRFVIHASLPKSVEGYYQESGRAGRD

Mus\_muscul DSARDEVQHKWINQDNCQVICATIAFGMGIDKPDVRFVIHASLPKSMEGYYQESGRAGRD

Gallus\_gal DSNRDLVQKKWVNQEGCQVICATIAFGMGIDKPDVRYVIHASLPKSIEGYYQESGRAGRD

Danio\_reri DSDREYVQNKWINQDGCQVMCATIAFGMGIDKPDVRYVIHASLPKSVEGYYQESGRAGRD

Plasmodium NNTRKRIQQKWISG-KTNILVATIAFGMGIDRKDVSFIIHYNLPKSIENYYQESGRCGRS

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Arabidopsi GLQAQCICLYQKKDFSRVVCMLRN------GQGRNMDRFKSAMAQAKKMQQYCELKTECR

Oryza\_sati NLPAHCIVLYQKKDLGRIVCMLRN------SGNFKSESFKVAMEQAKKMQTYCELKTECR

Homo\_sapie GEISHCLLFYTYHDVTRLKRLIMM------EKDGNHHTRETHFNNLYSMVHYCENITECR

Pan\_troglo GEISHCLLFYTYHDVTRLKRLIMM------EKDGNHHTRETHFNNLYSMVHYCENITECR

Bos\_taurus GEISHCILFYTYHDVTRLKRLILM------EKDGNRHTRETHFNNLYSMVHYCENITECR

Mus\_muscul GEISHCVLFYTYHDVTRLKRLIMM------EKDGNYHTKETHVNNLYSMVHYCENITECR

Gallus\_gal GEMSHCLLFYSYSDVTRLRRLILM------EKDGNSHTRQTHFNNLYSMVHYCENVVDCR

Danio\_reri GEISHCVLFYSYSDVIRIKRLIAM------DKDGNQQSKATHINNLHSMVHFCENVAECR

Plasmodium GHISFCYLFYSKEDVEKLSYIIKTSFAHLDMHDVNIEKKYEKEIYNLECVHNLCINEKCI

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Arabidopsi RQMLLEYFGES-FDRMICKSSLNP-CDNCERS----------------------------

Oryza\_sati RQTLLGHFGEQ-YDRQRCKHGCSP-CDNCIKIPS--------------------------

Homo\_sapie RIQLLAYFGENGFNPDFCKKHPDVSCDNCCKTKDYKTRDVTDDVKSIVRFVQEHSSSQGM

Pan\_troglo RIQLLAYFGENGFNPDFCKKHPDVSCDNCCKTKDYKTRDVTDDVKSIVRFVQEHSSSQGM

Bos\_taurus RIQLLAYFGENEFNPHFCKKYPDVSCDNCYKTKDFKTKDVTEDVKNIVRFVQEHSSSQGT

Mus\_muscul RIQLLAYFGEKGFNPDFCKKYPDVSCDNCCKTKDYKTKDVTDDVKNIIRFVQEHSSSPGT

Gallus\_gal RIQLLAYFGETDFNPNFCKDHPEVICDNCSRKKDYKSRNVTDEVKSIIRFVQQHCGQVGG

Danio\_reri RIQLLAYFGEHTFNTSFCKEHPEVICDNCARPNKYKSRNVTDDVKKIARFVQDNCEKVGN

Plasmodium RSQILSYFGETYPNKNLQTNNTSDHNKQTYKNQTHVEKYNFDTAN-MYHPSDQNKDNLTD

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Arabidopsi ------------------------------------------------------------

Oryza\_sati ------------------------------------------------------------

Homo\_sapie RNIKHVGPSGRFTMNMLVDIFLGSKSAKIQSGIFGKGSAYSRHNAERLFKKLILDKILDE

Pan\_troglo RNIKHVGPSGRFTMNMLVDIFLGSKSAKIQSGIFGKGSAYSRHNAERLFKKLILDKILDE

Bos\_taurus RNIKHIGPSGRFTMNMLVDIFLGSKSAKIQSGIFGKGSTYSRHNAERLFKKLILDRILDE

Mus\_muscul R---NIGPAGRFTLNMLVDIFLGSKSAKVKSGIFGKGTTYSRHNAERLFKKLILDKILDE

Gallus\_gal INGNRNTGSGRYTLNMMVDIFLGAKSAKIQSGIFGKGAAYSRHNVERLFRKLVLDKILDE

Danio\_reri RYGKSAQQN-RLTLNMLVEIFLGSKSARIQTGMFGVGAAYSKHNAERLFKKLVLDNVLME

Plasmodium EHFCCSFCYDTKGSRIKIQKVINLYENKKGSNISQFYSKGETHEYNYLYTNNGKHKLYDD

Arabidopsi ------------------------------------------------------------

Oryza\_sati ------------------------------------------------------------

Homo\_sapie DLYINANDQAIAYVMLGNKAQTVLNGNLKVDFMETENSSSVKKQKALVAK-VSQREEMVK

Pan\_troglo DLYINANDQAIAYVMLGNKAQTVLNGNLKVDFMETENSSSVKKQKALVAK-VSQREEMVK

Bos\_taurus DLYINANDQAIAYVMLGSKAQTVLNGHLKVDFMETENSSSVKKQKALVAK-VSQREEVVK

Mus\_muscul DLYINANDQPIAYVMLGTKAHSVLSGHLKVDFMETENSSSIKKQKALVAK-VSQREEVVK

Gallus\_gal DLYITANDQAVAYVVLGEKAQAVLNGLLQVEFHETENASAIRKQRASVTK-MSQREEMVK

Danio\_reri DLYITNSGQAVAYISAGPKAMSVLNGCMQVEFHETESASSIRKHRASVCEKVSKREEMVK

Plasmodium DTYYSPSGE-------EPREKRSTNYYNKYGDKYGDKYDDKYDDKYDEKYDDKYGDRKLQ

Arabidopsi ------------------------------------------------------------

Oryza\_sati ------------------------------------------------------------

Homo\_sapie KCLGELTEVCKSLGKVFGVHYFNIFNTVTLKKLAESLSSDPEVLLQIDGVTEDKLEKYGA

Pan\_troglo KCLGELTEVCKSLGKVFGVHYFNIFNTVTLKKLAESLSSDPEVLLQIDGVTEDKLEKYGA

Bos\_taurus KCLGELTEVCKSLGKVFGVHYFNIFNTVTLKKLAESLSSDPEVLLQIDGVTEDKLEKYGA

Mus\_muscul KCLGELTEVCKLLGKVFGVHYFNIFNTATLKKLAESLSSDPEVLLQIDGVTEDKLEKYGA

Gallus\_gal KCLGELTDTCKTLGKIFDVHYFNIFSTSTLKKIAETLSSDAEVLLQIDGVTEDKLEKYGA

Danio\_reri KCLGELNDLCKKLGKVFGIHYYNIFSTATLKKIA--------------------------

Plasmodium EGIYKLNNKKIKGYIPFQSASSIIPKQIRDKGIIEVMKELEKREEELNEKTKNDQEKHKV

Arabidopsi ------------------------------------------------------------

Oryza\_sati ------------------------------------------------------------

Homo\_sapie EVISVLQKYSEWTSPAEDSSPGISLSSSRGPGRSAAEELDEEIPVSSHYFASKTRNERKR

Pan\_troglo EVISVLQKYSEWTSPAEDSSPGISLSSSRGPGRSAAEELDEEIPVSSHYFASKTRNERKR

Bos\_taurus EVIPILQKYSEWTLPAEDTSPRRSPSSSRGTRKNTPEESDEGAPISSHYFANKTRNERKR

Mus\_muscul EVIPVLQKYSEWTVPAEDGSPG-----ARGAPEDTEEE-EEEAPVSSHYFANQTRNERKR

Gallus\_gal EIIKVMDKYSEWTTPEDAACQSVDTAPGSAGTPGSEEEAADDV-VTSSYFGGNANQRRKR

Danio\_reri ------------------------------------------------------------

Plasmodium NKMNLFKSN---------------------------------------------SMNVKR

Arabidopsi ------------------------------------------------------------

Oryza\_sati ------------------------------------------------------------

Homo\_sapie KKMPASQRSKRRKTASSGSKAKGGSATCRKISSKTKSSSIIGSSSASHTSQATSGANSKL

Pan\_troglo KKMPASQRSKRRKAASSGSKAKGGSATCRNISSKTKSSSIIGSSSASHTCQATSGANSKL

Bos\_taurus KRMPASQKAKRRRTGFSGSRTKGGSNTCRRIPSKTKPSNIIGPSSTSHSSQAASGVSRKL

Mus\_muscul KKMSATHKPKRRRTSYGGFRAKGGSTTCRKTTSKSKFYGVTGSRSASCASQATSSASRKL

Gallus\_gal KRLPNSGESKRKKTSSGGSQQFYSKGARYRRARRAPGS----RAAAPAQSSALRGAGARL

Danio\_reri ------------------------------------------------------------

Plasmodium KHVFSSFKIPRKI-----------------------------------------------

Arabidopsi ---------------------

Oryza\_sati ---------------------

Homo\_sapie GIMAPPKPINRPFLKPSYAFS

Pan\_troglo GIMAPPKPINRPFLKPSYAFS

Bos\_taurus GIMAPPKPINRPFLKPSYAFS

Mus\_muscul GIMAPPKPVNRTFLRPSYAFS

Gallus\_gal GIMAPPKPSSRHFLQPSYAVL

Danio\_reri ---------------------

Plasmodium ---------------------