

<i>Escherichia coli</i>	-----MAKHLFSTSVSESGHPDKICDQISDAVLDAILEDQPKARVACETTV	1
<i>Oryza sativa</i>	-----MAALDTFLFTSESVNKGHPDKLCQDQVSDAVLDACLAEADPDASKVACETCT	49
<i>Leishmania infantum</i>	-----MSVHSLISESEHVTHGHPDKLCQDQVSDAVLDACLADGPFPSKVACECA	48
<i>Cryptosporidium cohnii</i>	---MAEPAQKKARTERITFLFSSSESVNKGHPDKICDQVSDAVLDACLATDTPQSKVACETAT	57
<i>Plasmodium falciparum</i>	-----MSQLKIKRGNFLFTESESVNKGHPDKICDQISDAILDCLSDREDPSYKVAECVA	53
<i>Homo sapiens</i>	MNGPVDGLCDHSLSEGVMFTSESESVGCHPDKICDQISDAVLDAHLKQDPNAKVACETVC	60
<i>Saccharomyces cerevisiae</i>	-----MAGTFLFTSESVGCHPDKICDQVSDAILEDACLAEADPHSKVACETAA	47
<i>Escherichia coli</i>	KTGMVLVGGIEITTSAWVDIEETRNTVREIGYVH-----SDMGFDANSCAVLSAIGK	98
<i>Oryza sativa</i>	KTNMVMVFGIEITTKANVDYEKIVRETCRNIQGVFS-----ADVGLDADHCHVLNVNIEQ	101
<i>Leishmania infantum</i>	KTGMVMVFGIEITTKAVLDYQKIVRTIKDIGFDS-----ADKGLDEYSCNVLVAIEQ	103
<i>Cryptosporidium cohnii</i>	KDNMVMVFGIEITTKAVLDYDKVVRGVVAKIGFDSVDDLSSDVSKGLSDKTECELVLRINK	107
<i>Plasmodium falciparum</i>	KKNYIFIFGEITTKAKVNDYDKVRTDKHIGYDD-----ESKGLDYKTAIEIKVSDIE	115
<i>Homo sapiens</i>	KTGMVLLCGEITTSAMVDYQVRVVRTIKHIGYDD-----SAKGFDFKTCNVLVAIEQ	112
<i>Saccharomyces cerevisiae</i>	KTGMIMVFGIEITTKAQLDYQKIVRTIKDIGYDD-----SAKGFDFKTCNVLVAIEQ	99
<i>Escherichia coli</i>	QSPDINQGVDRAD-PLEGCGAGDQGMFGYATNETDMLVPAPITYAHRVQORQAEVRNK	155
<i>Oryza sativa</i>	QSPDIAQGVHGRKPEEIEGAGDQGMFGYATDETPELPMLSHVLATLKGARLTVERKN	161
<i>Leishmania infantum</i>	QSPDIOCGQLG-NFD-SEDIAGAGDQGMFGYATDETETLMPLTYELARGLAKKYSELRRS	157
<i>Cryptosporidium cohnii</i>	QSPDIAQGVHVGKE-DLDDIAGAGDQGMFGYASDETEADPMTHSYIATRLGKTLTDVRKS	175
<i>Plasmodium falciparum</i>	QSPDIAQGVHGNRS-PELIIAGAGDQGMFGYATDETENYMLPHHYATLLGKLTVERKL	163
<i>Homo sapiens</i>	QSPDIAQGVHLDRN-EEVDAGAGDQGMFGYATDETEECMPLTIILAHKLNARMADLRRS	170
<i>Saccharomyces cerevisiae</i>	QSPDIAQGVHEKQ-LEDDIAGAGDQGMFGYATDETPGGLPLTILAHKLNARMADARRD	150
<i>Escherichia coli</i>	GTLPLWLRPDAKSQVTFYQYDGGK-----IVGDAAVVLSTQHSEIID-----	195
<i>Oryza sativa</i>	GTCAWLRPDGKTQVTFYERNSGAR-----VPPRVHTVLSTQHDETVT-----	205
<i>Leishmania infantum</i>	GSLWEARPDAKQTQVTFYDYDTRGQVSLTPKRVAVLISAQHDEHVT-----	205
<i>Cryptosporidium cohnii</i>	GLLWLRPDGKTQVTFYIELYQ--SDGS-VPBQKHTVISTQHAEPGLALRSKEVAGWTG	232
<i>Plasmodium falciparum</i>	GILLPLPDGKTQVTFYIEYKNGSCGGH-LEPLRVHTVISTQHAEDIK-----	210
<i>Homo sapiens</i>	GLTPLWLRPDKQTQVTFYQMDNGAV-----IPVRHTVISTVQHNEDIT-----	214
<i>Saccharomyces cerevisiae</i>	GSLAWLRPDTKQVTFYVYKDDHGRW-----VPPQRIDTVVVSQAHADEIT-----	201
<i>Escherichia coli</i>	-----QKSLQEAVMEEIIPKILPAEWLTS-----ATKFFINPTGRFVIGGPMG	238
<i>Oryza sativa</i>	-----NDEIAADLKEHVIKPVIPEQYLD-----KTIFHLNPSGRFVIGGPHG	248
<i>Leishmania infantum</i>	-----NDKISVDLMKEVKVIAIPANMLDA-----ETKYWLNPSGRFVIGGPHG	292
<i>Cryptosporidium cohnii</i>	AEATAPSEMEENMKLIEEVVTKLTSEITLKNKGPALTLFGDHTLHINPSGKFIIGGGPG	292
<i>Plasmodium falciparum</i>	-----YEQLTKDLMENVIKVVIPEKLLDN-----ETLYLNPSPGKFIIGGPPAA	253
<i>Homo sapiens</i>	-----LEEMRRALKQVIRAVVPKYLDE-----DTVYHLQPSGRFVIGGPGQ	257
<i>Saccharomyces cerevisiae</i>	-----TEDLRAQLKSEIIEKVIIPRDLME-----NTKYFIQPSGRFVIGGPGQ	244
<i>Escherichia coli</i>	DCGLTGRKKIIVDITYGGMARHGGGAFSGKDPSKVDRSAAYARVAKNIVAAGLADRCIEQ	298
<i>Oryza sativa</i>	DAGLTGRKKIIVDITYGGWAHGGGAFSGKDPTKVDRSAAAYARQAASIVGLAARRCIQV	308
<i>Leishmania infantum</i>	DAGLTGRKKIIVDITYGGWAHGGGAFSGKDPSKVDRSAAYARQAASIVAGLARRCIQV	308
<i>Cryptosporidium cohnii</i>	DAGLTGRKKIIVDITYGGWAHGGGAFSGKDPTKVDRSAAAYICRQMAKSCVKSLGCKRAIVQ	352
<i>Plasmodium falciparum</i>	DAGLTGRKKIIVDITYGGWAHGGGAFSGKASKVDRSAAYLYRFAKSLVANKEFCRRVLVQ	313
<i>Homo sapiens</i>	DAGVTGRKKIIVDITYGGWAHGGGAFSGKDPTKVDRSAAAYARVAKSLVAGLARRCIQV	317
<i>Saccharomyces cerevisiae</i>	DAGLTGRKKIIVDITYGGASSVGGGAFSGKDPSKVDRSAAYARVAKSLVAGLCKRQVQV	304
<i>Escherichia coli</i>	VSYAIGVAEPLSIVMVFYTGTE-KVPSEQLTLVREFFDLRPGVLIQMLDLLH-----P--	350
<i>Oryza sativa</i>	VSYAIGVPEPLSVFVDYTYGTG-RIPPKDLIKIKENFDFRPGYIINLDLKKGGNGRYL	366
<i>Leishmania infantum</i>	LAYAIGVAEPLSMHVETYTGTE-KYDDAKLLEIKVQNFKLPRYDIQELNLR-----PIYI	363
<i>Cryptosporidium cohnii</i>	LSYAIGVAKPLSIFVYTGTEGQALTTADDITKVVKMEFADARPAGIAKSLALRE-----PKYQ	409
<i>Plasmodium falciparum</i>	ASYSIGIANPLISLVNYSYGTSTGYTGYDLEQIILRNFDLRPGVIFGFIQELKLT-----PVFS	370
<i>Homo sapiens</i>	VSYAIGVAEPLSISIFTYGTGS-QKT-EELLDDVHHKFNFLRPGVIVRDLDLKK-----PIYQ	371
<i>Saccharomyces cerevisiae</i>	FSYAIGIAEPLSLHVDYTGTA-TKSDEEIIISKNFDRPGVIVKVELDLAR-----PIYL	359
<i>Escherichia coli</i>	KTAAHYGHGFRDD-----PDFTWEVVKPLKWEKPSA-----	350
<i>Oryza sativa</i>	TRSFRGHGFRKDEL-----GTGGFTWEVVKPMVE-----	396
<i>Leishmania infantum</i>	ETAAYCHFGREPYTKDGVKFFEWENPKDLISKYQKMTSAQVDTALKNNSFLTWKVD	392
<i>Cryptosporidium cohnii</i>	KTAYGHGFRGDT-----FTWKEIKDLS-----HEKNALGN-----	464
<i>Plasmodium falciparum</i>	KTACYGHGFRSE-----FPWEVPRKLVF-----	402
<i>Homo sapiens</i>	PTASYGHFTNQ-----FWPEKPKTLF-----	394
<i>Saccharomyces cerevisiae</i>	PTASYGHFTNQ-----FWPEKPKTLF-----	382

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