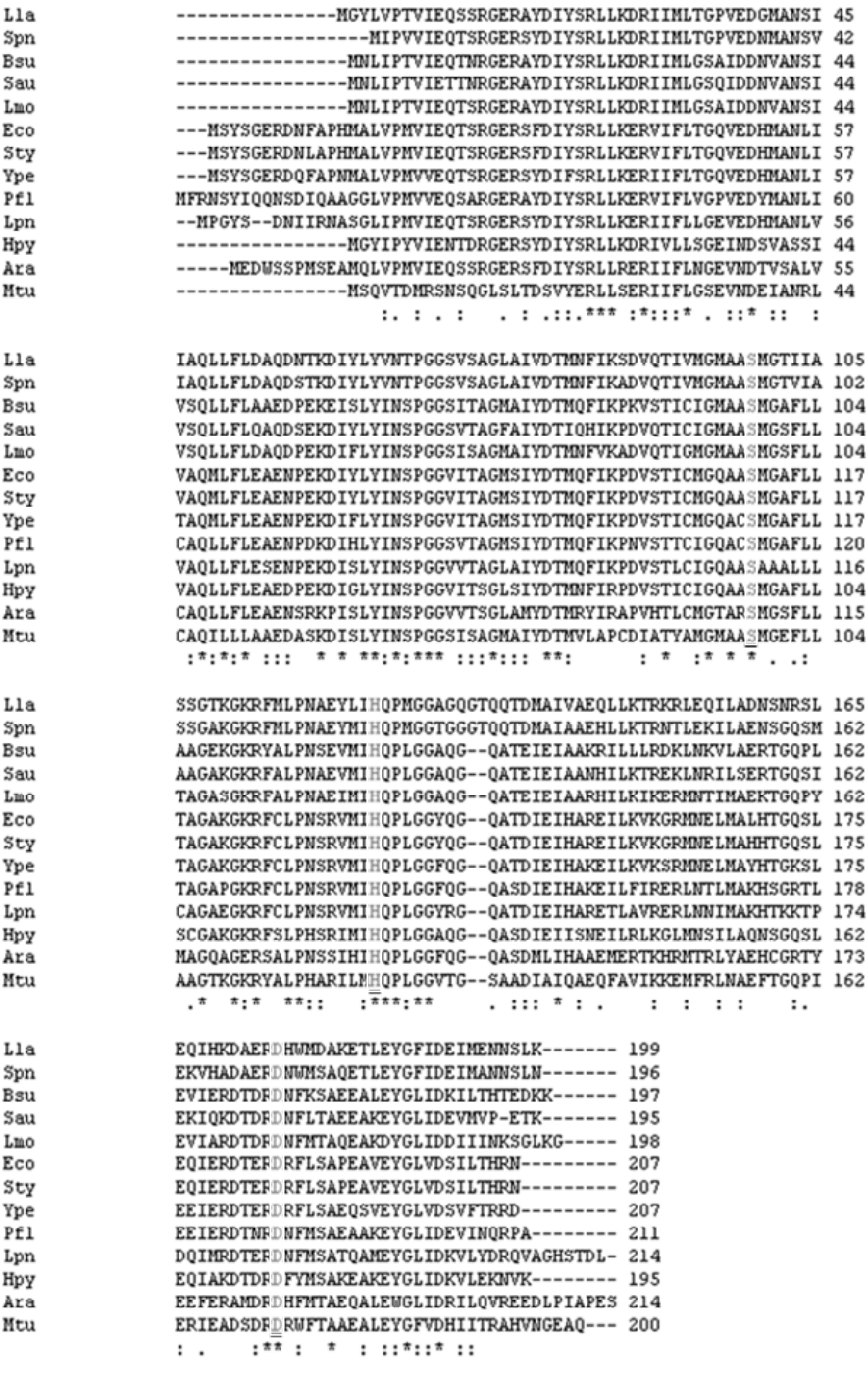
Lla ----------MGYLVPTVIEQSSRGERAYDIYSRLLKDRIIMLTGPVEDGMANSI 45
Spn ----------MIPVVIEQTSRGERSYDIYSRLLKDRIIMLTGPVEDNMANSV 42
Bsu ----------MNLIPTVIEQTNRGERAYDIYSRLLKDRIIMLGSAIDDNVANSI 44
Sau ----------MNLIPTVIETTNRGERAYDIYSRLLKDRIIMLGSQIDDNVANSI 44
Lmo ----------MNLIPTVIEQTSRGERAYDIYSRLLKDRIIMLGSAIDDNVANSI 44
Eco ---MSYSGERDNFAPHMALVPMVIEQTSRGERSFDIYSRLLKERVIFLTGQVEDHMANLI 57
Sty ---MSYSGERDNLAPHMALVPMVIEQTSRGERSFDIYSRLLKERVIFLTGQVEDHMANLI 57
Ype ---MSYSGERDQFAPNMALVPMVVEQTSRGERSYDIFSRLLKERIIFLTGQVEDHMANLI 57
Pfl MFRNSYIQQNSDIQAAGGLVPMVVEQSARGERAYDIYSRLLKERVIFLVGPVEDYMANLI 60
Lpn --MPGYS--DNIIRNASGLIPMVIEQTSRGERSYDIYSRLLKERIIFLLGEVEDHMANLV 56
Hpy ----------MGYIPYVIENTDRGERSYDIYSRLLKDRIVLLSGEINDSVASSI 44
Ara -----MEDWSSPMSEAMQLVPMVIEQSSRGERSFDIYSRLLRERIIFLNGEVNDTVSALV 55
Mtu ----------MSQVTDMRSNSQGLSLTDSVYERLLSERIIFLGSEVNDEIANRL 44
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Lla IAQLLFLDAQDNTKDIYLYVNTPGGSVSAGLAIVDTMNFIKSDVQTIVMGMAASMGTIIA 105
Spn IAQLLFLDAQDSTKDIYLYVNTPGGSVSAGLAIVDTMNFIKADVQTIVMGMAASMGTVIA 102
Bsu VSQLLFLAAEDPEKEISLYINSPGGSITAGMAIYDTMQFIKPKVSTICIGMAASMGAFLL 104
Sau VSQLLFLQAQDSEKDIYLYINSPGGSVTAGFAIYDTIQHIKPDVQTICIGMAASMGSFLL 104
Lmo VSQLLFLDAQDPEKDIFLYINSPGGSISAGMAIYDTMNFVKADVQTIGMGMAASMGSFLL 104
Eco VAQMLFLEAENPEKDIYLYINSPGGVITAGMSIYDTMQFIKPDVSTICMGQAASMGAFLL 117
Sty VAQMLFLEAENPEKDIYLYINSPGGVITAGMSIYDTMQFIKPDVSTICMGQAASMGAFLL 117
Ype TAQMLFLEAENPEKDIFLYINSPGGVITAGMSIYDTMQFIKPDVSTICMGQACSMGAFLL 117
Pfl CAQLLFLEAENPDKDIHLYINSPGGSVTAGMSIYDTMQFIKPNVSTTCIGQACSMGAFLL 120
Lpn VAQLLFLESENPEKDISLYINSPGGVVTAGLAIYDTMQFIKPDVSTLCIGQAASAAALLL 116
Hpy VAQLLFLEAEDPEKDIGLYINSPGGVITSGLSIYDTMNFIRPDVSTICIGQAASMGAFLL 104
Ara CAQLLFLEAENSRKPISLYINSPGGVVTSGLAMYDTMRYIRAPVHTLCMGTARSMGSFLL 115
Mtu CAQILLLAAEDASKDISLYINSPGGSISAGMAIYDTMVLAPCDIATYAMGMAASMGEFLL 104
:*:*:* ::: * * **:*:*** :::*::: **: : * :* * * . .:
Lla SSGTKGKRFMLPNAEYLIHQPMGGAGQGTQQTDMAIVAEQLLKTRKRLEQILADNSNRSL 165
Spn SSGAKGKRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAEHLLKTRNTLEKILAENSGQSM 162
Bsu AAGEKGKRYALPNSEVMIHQPLGGAQG--QATEIEIAAKRILLLRDKLMKVLAERTGQPL 162
Sau AAGAKGKRFALPNAEVMIHQPLGGAQG--QATEIEIAANHILKTREKLNRILSERTGQSI 162
Lmo TAGASGKRFALPNAEIMIHQPLGGAQG--QATEIEIAARHILKIKERMNTIMAEKTGQPY 162
Eco TAGAKGKRFCLPNSRVMIHQPLGGYQG--QATDIEIHAREILKVKGRMNELMALHTGQSL 175
Sty TAGAKGKRFCLPNSRVMIHQPLGGYQG--QATDIEIHAREILKVKGRMNELMAHHTGQSL 175
Ype TAGAKGKRFCLPNSRVMIHQPLGGFQG--QATDIEIHAKEILKVKSRMNELMAYHTGKSL 175
Pfl TAGAPGKRFCLPNSRVMIHQPLGGFQG--QASDIEIHAKEILFIRERLNTLMAKHSGRTL 178
Lpn CAGAEGKRFCLPNSRVMIHQPLGGYRG--QATDIEIHARETLAVRERLNNIMAKHTKKTP 174
Hpy SCGAKGKRFSLPHSRIMIHQPLGGAQG--QASDIEIISNEILRLKGLMNSILAQNSGQSL 162
Ara MAGQAGERSALPNSSIHIHQPLGGFQG--QASDMLIHAAEMERTKHRMTRLYAEHCGRTY 173
Mtu AAGTKGKRYALPHARILNHQPLGGVTG--SAADIAIQAEQFAVIKKEMFRLNAEFTGQPI 162
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Lla EQIHKDAEFDHWMDAKETLEYGFIDEIMENNSLK------- 199
Spn EKVHADAEFDNWMSAQETLEYGFIDEIMANNSLN------- 196
Bsu EVIERDTDFDNFKSAEEALEYGLIDKILTHTEDKK------ 197
Sau EKIQKDTDFDNFLTAEEAKEYGLIDEVMVP-ETK------- 195
Lmo EVIARDTDFDNFMTAQEAKDYGLIDDIIINKSGLKG----- 198
Eco EQIERDTEFDRFLSAPEAVEYGLVDSILTHRN--------- 207
Sty EQIERDTEFDRFLSAPEAVEYGLVDSILTHRN--------- 207
Ype EEIERDTEFDRFLSAEQSVEYGLVDSVFTRRD--------- 207
Pfl EEIERDTNFDNFMSAEAAKEYGLIDEVINQRPA-------- 211
Lpn DQIMRDTEFDNFMSATQAMEYGLIDKVLYDRQVAGHSTDL- 214
Hpy EQIAKDTDFDFYMSAKEAKEYGLIDKVLEKNVK-------- 195
Ara EEFERAMDFDHFMTAEQALEWGLIDRILQVREEDLPIAPES 214
Mtu ERIEADSDFDRWFTAAEALEYGFVDHIITRAHVNGEAQ--- 200
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