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Hsapiens.NP_112186.3_long-chain-
Bbelcheri.LOC109482367_longchain
Aplanci.LOC110987625_longchainfa
Lanatina.XP_013385717.1_longchai
Myessoensis.XP_021368563.1_longc
Myessoensis.XP_021368611.1_longc
Myessoensis.XP_021368673.1_longc
Dmelanogaster.bgm_bubblegum_isof
Dmelanogaster.hll_heimdall
Hsapiens.NP_001305439.1_long-cha
Lanatina.XP_013383556.1_longchai
Lanatina.XP_013392775.1_longchai
Avaga.UJR25501.1_hypothetical_pr
Avaga.UJR32409.1_hypothetical_pr
Avaga.UJR32742.1_hypothetical_pr
Avaga.UJR34834.1_hypothetical_pr
Egranulosus.XP_024351612.1_Longc
Egranulosus.XP_024352788.1_Longc
Avaga.UJR18225.1_hypothetical_pr
Avaga.UJR15662.1_hypothetical_pr
Avaga.UJR15664.1_hypothetical_pr
Avaga.UJR15018.1_hypothetical_pr
Avaga.UJR31657.1_hypothetical_pr
Aplanci.LOC110983877_longchainfa
Dmelanogaster.CG3961_uncharacter
Bbelcheri.LOC109466554_longchain
Cintestinalis.LOC100185939_longc
Cintestinalis.LOC100175746_longc
Aplanci.LOC110973886_longchainfa
Hsapiens.NP_976313.1_long-chain-
Hsapiens.NP_001986.2_long-chain-
Hsapiens.NP_001009185.1_long-cha
Bbelcheri.LOC109485423_longchain
Lanatina.XP_013381850.1_longchai
Myessoensis.XP_021350485.1_longc
Bbelcheri.LOC109470327_longchain
Bbelcheri.LOC109479541_longchain
Myessoensis.XP_021358594.1_longc
Lanatina.XP_013395506.1_longchai
Lanatina.XP_013395507.1_longchai

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Lanatina.XP_013395506.1_longchai

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-----mlktshvmaetdrnaevpydpndtlns
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-----madsepqvenseesqdvdiikke
-----meisvrpeag
--madvEssvaSpnsveasptgleevevQiedaknvennnfppppteieaadkvrvrkq

-----mpdifan
-----mpdifan
-----mpssssksnvsya
-----mpssssksngayva
-----mfqtilks
-----mlqtsirsraryil
-----mfrvwfsq
-----malefygstrlfdlrlrl

-----mfvviita
-----mciaitta
-----mltennlssslqt
-----mdkfgsdnnlssslqt
-----mqnsrdcftvmlgmdlcepqdskrmesv
-----mtpeksvmayvnhlivsnfsyfwde
-----MlggAcrtcfrQlaqrqaaagplrlgaaaniatpgigirtaqrc
-----mseikqpsggqyveymdq
-----megttidsngvveqqtssqeqesina

-----mlfifnflfsp
-----mqahelfryfrmpelvdfrqyvrt
-----mltfflvsggslwlfvefvlsllekmqtqe
-----maleqvseflnqmtedmseltry
-----msdyrvyvtq
-----mgdeymrlmg-

-----mesilev
-----mykktmdc
-----mcnkpalgryqnlqqlrava
-----mwiaslpeirgeliqrvqe

retpqesrqdmivrttqeklktssltldrqpleskslnhalel-----s
-----mtgtpktqegakdlevd-----m
tadnhapthgnhtatskgvngtmngvltkengdvsaadihv-----s
svisgdvtlpnendvlspeusmmanggvpgctvdeg-kadatetsqdalvtatndpaDle
kltnvgveeesdppltnghsdsqsqdgppvmngingegdeengaigdhdekeeeaktnEqn
t-----tpnggdsstnnntvdeqn-----g
e-----lpqktvppqngtt-----s
tgaaakgeiivndemngdakvtittngdvnvngesvsaaga-----e
-----mstidalynr-----p

-----m-----a
v-----avgiikglvyayd-fvtw-----p
v-----avgiikglvyayd-fvtw-----p
v-----lgtgalaatyagv-rayk-----s
l-----aagaiaatyagt-hayk-----s
r-----ttqivfvrhivpciqtkf-syr-----s
a-----irsntisstmkt-ftyk-----r
f-----ssgmllprsshvtdffiy-----e
wrfactdrplclfyisscllsvfehsiptqsarimfs-ffgs-----s

i-----vvvisillqycfs-lfei-----l
l-----vvitvlieyvfs-flqi-----l
t-----lavggavalvaga-vihr-----h
t-----lavggalalvaga-lihh-----n
l-----qyciehplltvgvtaaalsas-mams-----n
i-----dgylyylggtlgtltlgslaasva-yyfa-----t
l-----amesvaalgagaavlggg-vlmr-----n
v-----tkipmqawigigavaiatv-vwmm-----k
qqsaseeqqnneqqesaseepqvadpavteeqqvts-eptt-----a
-----mtssg-vleq-----h
l-----ptp-----alicitlfgaaf-lwli-----t
l-----ptn-----tlmgfgafaaltt-fwya-----t
ilrilrlpelgdlgqffrslsatltlvsmsgalaaila-ywft-----h
l-----gdnqralglgigaaigaatlgy-yyml-----s
a-----igaavfttlttaftglyla-----f
-----agavaigaittas-ayyl-----t
-----mgagg-----t
s-----sak-----laagavav-aaga-yyala-----s
v-----glssgamvlgaaavtaaat-yyala-----t
cgtavvlvlcrfhsitavfrkwlflgkmgaaqqsqsse-qkyr-----v

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Myessoensis.XP_021350485.1_longc
Bbelcheri.LOC109470327_longchain
Bbelcheri.LOC109479541_longchain

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dvqpllpa-----sykegeiaptea--LwtcradgatKVrln--
tsppееekkvVeeakiTvtqtpVSsgeptagdnqpkvtysatstpktggdpgdgliygmd
engyvrki-----ddvMsaka--LwttdpsvaIKlrcg--
qhrerdtpr-----vpatk--LwttdrsEpVKlrmg--
vkvdsttpvkVkvngaSnggitVNgstlkrssiddlLpata--qyttstreDaVKlrm--
gpnrlrqa-----da--yrttnrqDaVKirma--
-mndlkpa-----tS--yrstslhDaVKlrl--
krikakpt-----sdkgp-spysrvthf--
iyflvfsp-----vykLsksnRikarpndDpgKpwr--
iyflvfsp-----vykLsksnRikarpndDpgKpwr--
svpnkhdd-----gidvnnQS--TeIdp-vEhIRrctf--
rlqrkfdd-----gidLkhQS--TeIdp-iEhIRrctf--
rierfynd-----ginLkqQt--VeIdc-tErIRrcil--
rmqrlfnd-----gidLnhQS--TeIns-iEhIRrcsl--
ntsylrne-----kEgIhvspl--
ppfdvvt-----Isndg--ylfdp-eggIRrsli--

fkklplppk-----ga-----VeIdp-nEhIyahpd--
lkkplppt-----ga-----VeIda-eEhIyahpq--
kdklssfl-----venltnee--MhgqinwQeMsisaktQ
rdkissll-----eenladeg--LnVdtwErVtipaqaQ
gpepvkra-----fs-LdrQS--VeLpg-pEhIhvspl-n
rpvperpl-----vp-LenQS--pLleg-pEgIhvskfYK
rprpvtp-----cd-LgmQS--reVpg-tgggRiaaf--
enkseetdc-----kvkvdhQaKqIeyeg-eEfVhaspl--
kgkaneleynlvsv-----adlvdkQS--VaVdg-dDtIRaspl--
rkllgrkn-----vd-fqcQS--VeLegtsEhVRvstl--
rpqpvlpl-----ld-LnnQS--VgIe--ggaRkgvs--
rpklppk-----cd-LsmQS--VeVag-sggaRsal--
rpkalqpp-----cn-LlmQS--eeVed-sggaRrsvi--
sprslmea-----pidLsrQS--VeVpg-gEyaRisvl--
rprsvqyp-----qdnLacQS--kpakg-dkhaRvsmh--
rsppsvp-----icdLdnQS--siVpg-kDraRiskl--
kgkdtapa-----tk-LarQS--VeVkg-dEyaKmsch--
rpsspipp-----cp-LdrQS--VeVeg-qDgahistr--
raepmvt-----inLqnQS--ViL---eDgsRcshf--
hvdgeegt-----efsptnQS--VgL---eDgIRgsyl--
rpkslvpa-----wadLsvQS--Val---eDgVRgspl--

--pscpql-----pyTVhrmfyeaLdkyG---dliaLGfkrqd
--KhGpgh-----etpmTipEFfresVnrfG---tyPaLaskngk
--EtGals-----rppeTvHamFtrRaVKnyp---dqtaLGvkrnd
--dNkdi-----pVeTvhtaliRaVKnyp---NciaLaikrng
Elapadsf--rvwQrdaaVklqvgeasekplTImasFvdvVKrip---NntaLatkege
--dtGpqs-----dDpiTvvsvFeetVKklp--kGlaLavkrng
--tgKpdt-----fp-piTvptaFeRtVQkmp---NqPaLGvkrdg
--dtGpgv-----mkplTvHtvFkntVdkAp---NtiaLGvkrdg
--KDGIga-----eEpisvpglkRtVnnyG---dyPaLrtkngk
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--vdsdhlv--ttl-----ipgcdTvdelFkRaVdnyG---pnrCLGkRel1
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--yKDvdiy--syyKNI-----fpkVqlLgDvFysGyssn---NGPCvsnvdlS
--yKDidl--sfyKTI-----vpNVkTLgDvFyhGysvsn---dGPCiGylst
--yKDvdly--sfyKAI-----cpEVrTLgDalqeGylaSk---dGScIGtvkst
--hKDdiw--tlyKTM-----cpqVrTLgDalheGfKvsn---dGPCvGivqt1
--vEDkplv--dt-----vegVgavYDfFfntVKrqp---sdqfiGwhdsp
--tKESdlp--wll-----derLtTVHdl1llesVRLSG---qkPflGshstp

--yadKlq--dpk-----tfEVqTIYEgylhGVQigG---dlPhfsyRqss
--cthQlr--evk-----sfgVeTLYDvlqhGIKiSG---drPlfsfReqs
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gcpsaRia--aslgSrPLlLaGKssiddrttytTfYEgFhGkniAQRGderCLGyRvdr
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--lEEdKlv--esc-----ydgMqTLHDvFkRGamvsn---NGPCLGWRsgq
--mkdKci--esl-----nrEVnTLHDvFlhGLKqSe---gGPCvGWRpgp
--mkpGKpt--ayl-----ekDvtTLHEiFmRGVRSG---NsPCLGhRpga
--lpDGKpi--srf-----fegVesLHDcFmRGLKlSa---knPCLGWRpkp
--qKNndlt--scf-----fsDakTMYEvFqRGLavSd---NGPCLGyRk-p
--ldsdEpl--vyf-----ydDvtTLYEgFqRGiQvsn---NGPCLGSRk-p
--gsqpQll--thy-----ydDarTMYQvFrRGLSiSG---NGPCLGFRpkp
--cKDgKle--etl-----cgDvnTLYEcFqRGLKvsn---NGPCLGWRtsp
--nKEGKll--eyl-----ydDakTcYEaFtRGaRvsn---NGPsLGWRdga
--cKDgQli--tep-----gdgVtTLYEaFkRGaRlSn---NGPCyGwkpsp
--nQDGKlv--dhy-----fdDvrTLHQaFmRGVglNr---NGPCLGWRpgv
--cKDgKll--eyl-----ydDvtTtYEgFqRGIRlTn---GtGrCLGWRaap

Myessoensis.XP_021358594.1_longc
Lanatina.XP_013395506.1_longchai
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k-----wEiLnfnQyYEacrkkaaksLlK-lGLERfH-G--VGIlgf
v-----wlkwTYQEYyDacckaaksLlK-lGLERfH-G--VGIlgf
e-----wvkwnYaEYyKdvrraaksfLk-lGLERyH-G--VGIlgf
e-----wkTwsYRQyYDdvkraaksfIk-lGLdsfg-G--VGIlgf
D-----wkwTYEEYyYndvriaakafIk-lGLEPyH-s--VsIlgf
q-----wKkwTYQQyYtdvqraaksfIk-lGLQPFH-G--VGIlgf
a-----wvwkTYKQyYDdvrrvakGfIk-lGLElyH-G--VGlvgf
NG-----YhtVTYKQyEQKvhqvakafIk-lGLEhH-s--VGylaf
SGndg-----wttLTfgEYqERveqaallLs-vGEerS-s--VGIlaf
SeEnemQPnGKVFfKk1TLGnYKWMnYlEVnrRvnnFGSGLN-t--IaIFce
SeEdeKQPSGKVFfKkAIFGKYsWwnYEEVYEKvtnFGaGLL-lGLKpge-k--IvIFae
SeEdeKQPSGKVFfKkAIFGKYsWwnYEEVYEKvtnFGaGLLs-lGLKpge-k--IvIFae
NktsP-----fhWIsYamalERiryGShLwtDvqLiPmq-sk-VaIiSl
NktEP-----lhWITYsmalnirriGShLwndtqLiPtK-sT-VaIiSl
NGtds-----lQWLSYskVmEQsqyGSLwtktkLiPm--kskVvflSs
NGiKs-----lQWLSYstViEQsqyGSLwrrtkLtPsk-sk-VaIlSs
S--sP-----YEWMTYEEVnEKveacGSGLLqfeeItgnS-lkCVGvYai
S--Ea-----YsWITfKaYVERvcdlGSGLLsvcGLKshcGnFlGIFgr
-----m-tGLKPSN-eTFYGIYgs
D--Qq-----fKsYsYKQVFEiikeiGSGvVy-tGLEPSN-kTffGIYgs
N--QP-----fKsYThKQVHDIikeiGSGaIg-tGLEPSN-eTftGvYgs
q--se-----YEWVTYdateraAneiGSGLIq-lGeKhgq-dTFIGIYat
D--sd-----fQWITYEQtdQmAtaiGSGLIq-lGethgq-nTFIGIYai
D--EP-----fQWLTYSQVKEmaAflGSGaLlK-kGCPgN-GtNIgVYSq
t--sP-----YQWInYdEallRAknFGaGmLa-lGaRP---kqLIGIYSq
N--KP-----YEWVTYnEVlDRAahFGSGLIa-lGcKPNq-tsFVGIFSq
D--QP-----YKWLTYQQVltRAqhFGSGLVh-eGaKtqp-eqFIGIFSq
g--QP-----YQWITYnEVltKAqhFGSGLVh-eGaKtqp-eqFIGIFSq
D--aP-----YsWtTYEEVYlQArnFGSGLIK-sGtpagN--sTFIGIYSq
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D--QP-----YEWLSYKQVaelseciGSGaLIq-kGfKtap-dqFIGIFaq
q--P-----YQWLSYQEVAADRAeflGSGLLq-hncKact-dqFIGVfaq
t--gP-----YEWITYgDVAERArnFGSGLIa-rGLQPNp-eTFIGIFSq
N--aP-----YQWISYnDvlvRAadlGAGmqa-kGMKPEn-tTcIGIYSq
k--EP-----YtWfsYnDvlvKAaniGaGLLk-kGLKasN-kTFVGIYSq
l--aP-----YEWMTYhEVYtRAynFGSGvVh-kGLQPGt-kTsmGIFSq
e--EP-----YQWMTYQQVHESAlrFGSGLLe-kGLSPgq-dTFVGIFSq
r--Ke-----YEWLSYQQVYDRACAfGSGLL-eiGLpasN-dvFVGfYSl
N--Kt-----YEWMSYgEVYERAKnFGGLIT-kGMKPEt-esFlGIYSq
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Hsapiens.NP_112186.3_long-chain-
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Myessoensis.XP_021368563.1_longc
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Avaga.UJR32409.1_hypothetical_pr
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Avaga.UJR34834.1_hypothetical_pr
Egranulosus.XP_024351612.1_Longc
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Avaga.UJR31657.1_hypothetical_pr
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Dmelanogaster.CG3961_uncharacter
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nnq--iKeIIVM-----Deign---EetnKIRsis-----sIlKttdi
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vst--LKRiIlt--kkvpNDKDLiEirskAK--EvGiDiMTYdQl-----rELGRSkep
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ketPgLKlIlM--Dpfe-E---alkergQ--KcGvvIksmqAV-----EDCQGeNhq
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iPt--LrhIVyV--sdvT-E---DltaqAA--KysiEliaFkEl-----EvLGLNNlq
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Epvv----PKkDDVvSICfTSGTTGIPKGarmtHDNlIIndskG---lqvvgndywmks
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Myessoensis.XP_021368611.1_longc
Myessoensis.XP_021368673.1_longc
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Cintestinalis.LOC100175746_longc
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