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 >FLP-4_Pristionchus_maxplancki_maxplancki-mkr-S23-2.35-mRNA-1
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 >FLP-4_mayeri-mkr-S42-2.50-mRNA-1_mayeri-mkr-S42-2.50-mRNA-1
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FGKRSGSMSENDLYE

>FLP-4_Pristionchus_pacificus_PPA39937.1

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RFGKRSMFNQYE

>FLP-4_Ancylostoma_caninum_predicted

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>FLP-4_Angiostrongylus_costaricensis_predicted

KWCYYRNDLNHYRNFRSASNGKPTFIRFGKRAQPSFIRFGRAQPSFIRFGKKDATF

>FLP-4_Caenorhabditis_japonica_predicted

EDVDRTGFLT PEN EITVRDIFSVIVNDIPFSARRTLFLQQLASSAPSWITVGSFLFFLIFSISVPCS
SSNGKPTFIRFGKRGSPSFIRFGRK

>FLP-4_Cylicostephanus_goldi_predicted

XXXXXXXXXXXXXXXXXXXXHLSRVCIRCSLLFQAIFTVVVFWIIDKIIIFKLEERKKCKPAKTSKLNIPHF
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>FLP-4_Micoletzkyia_japonica_predicted

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>FLP-4_Necator_americanus_predicted

NAQNFESRELIISAILLLLFRSNGKPTFIRFGKRAQPSFIRFGRAQPSFIRFGREATA

>FLP-4_Nippostrongylus_brasiliensis_predicted

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>FLP-4_Oscheius_tipulae_predicted

SLRKYEPLSFRSGAGVASQGKPSFIRFGKRAQPSFIRFGKRAQPSFIRFGRSSSDQY

>FLP-4_Strongylus_vulgaris_predicted

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>FLP-4_Bursaphelenchus_xylophilus_BXY_0584900.1

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>FLP-4_Halicephalobus_mephisto_MSTRG.1068.1.p1

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>FLP-4_Panagrellus_redivivus_Pan_g17324.t1

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>FLP-4_Steinernema_carpocapsae_SC.X.g165

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>FLP-4_Steinernema_feltiae_L889_g24975.t1

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>FLP-4_Steinernema_glaseri_L893_g16422.t1

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>FLP-4_Steinernema_monticolum_L898_g13719.t1

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>FLP-4_Steinernema_scapterisci_L892_g29948.t1

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>FLP-4_Acrobелoides_nanus_ACRNAN_scaffold9100.g29210.t1

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>FLP-4_Ditylenchus_destructor_Dd_10388

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 >FLP-5_Gongylonema_pulchrum_predicted
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 >FLP-5_Heterorhabditis_bacteriophora_predicted
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 >FLP-5_Nippostrongylus_brasiliensis_predicted
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 >FLP-5_Oesophagostomum_dentatum_predicted
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 >FLP-5_Pristionchus_japonicus_predicted
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 >FLP-5_Strongylus_vulgaris_predicted
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 >FLP-5_Heterodera_glycines_predicted
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 >FLP-5_Meloidogyne_hapla_predicted
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>FLP-7_Cylicostephanus_goldi_predicted

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>FLP-7_Oesophagostomum_dentatum_predicted

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>FLP-7_Pristionchus_mayeri_predicted

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PSLHQIYHVIVTMESSKMTSSDLFLRFGKRAPMDRSSMVRFGKRAPLDRSSMVR

IMHLSYILIGCAIQLGCNYNCGPRDVGSVVISGLRHNSCISRFGKRAPMDRSSMVRFGKRSE

>FLP-7_Teladorsagia_circumcincta_predicted

VNENIHKFLPCTLEDDCSHLFRFGKRAPMDRSTMVRFGRAPMDRSTMVR

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SGRSVMLRLFHRFGKRAPMDRSSMVRFGKRAPMDRSSMVR

>FLP-7_Bursaphelenchus_xylophilus_BXY_0630700.1

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Y

>FLP-7_Panagrellus_redivivus_Pan_g12109.t1

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>FLP-7_Parastrongyloides_trichosuri_PTRK_0001640600.1

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>FLP-7_Rhabditophanes_kr3021_RSKR_0000592300.1

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>FLP-7_Steinernema_carpocapsae_SC.X.g3276

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EK

>FLP-7_Steinernema_feltiae_L889_g32992.t1

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 >FLP-7_Meloidogyne_hapla_predicted
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 >FLP-8_*Trichinella spiralis*_EFV56802
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 EFIRFG
 >FLP-8_*Trichinella papuae*_predicted
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 >FLP-8_*Plectus sambesii*_PSAMB.scaffold1604size39546.g14051.t1
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 >FLP-8_*Ascaris lumbricoides*_ALUE_0001294401-mRNA-1
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 >FLP-8_*Ascaris suum*_AgR009X_g171_t02
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 >FLP-8_*Brugia malayi*_Bm1088.1
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 >FLP-8_*Brugia timori*_BTMF_0001181701-mRNA-1
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 >FLP-8_*Onchocerca volvulus*_OVOC3976.1
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>FLP-8_Toxocara_canis_Tcan_15961.1

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>FLP-8_Acanthocheilonema_viteae_predicted

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>FLP-8_Anisakis_simplex_predicted

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>FLP-8_Dirofilaria_immitis_predicted

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>FLP-8_Dracunculus_medinensis_predicted

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>FLP-8_Elaeophora_elaphi_predicted

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>FLP-8_Gongylonema_pulchrum_predicted

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XXXXXXXXXX

>FLP-8_Onchocerca_ochengi_predicted

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>FLP-8_Parascaris_equorum_predicted

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>FLP-8_Parascaris_univalens_predicted

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>FLP-8_Thelazia_callipaeda_predicted

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DAAVEKRKNEFIRFG

>FLP-8_Ancylostoma_ceylanicum_maker-ANCCEYDFT_Contig140-augustus-
gene-3.17-mRNA-1

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>FLP-8_Ancylostoma_duodenale_ANCDU0_14654

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>FLP-8_Angiostrongylus_costaricensis_ACOC_0000299001-mRNA-1

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>FLP-8_Mesorhabditis_belari_mbelari.g26501.t1
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>FLP-8_Necator_americanus_NECAME_10076
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>FLP-11_Dirofilaria_immitis_nDi.2.2.2.t01765
MANAQDDETLGEKRAMRNALIRFGRSGIRNALIRFGKMSDMYFSDAENRRTVVLHPSVK
FDRFEHSHINNILSKI

>FLP-11_Dracunculus_medinensis_DME_0000200901-mRNA-1
MRIRGDEWPWWLENKSSLVGSVCMSMQITVIALFFSMVLAIFVNGDNVDDLLRDKRAMR
NALVRLGRSSMRNALIRFGKRSVDTDLNDQAYGYKRNAGAPQPFVRFGRSQRLHDILSEIE
TAQSTEK

>FLP-11_Enterobius_vermicularis_EVEC_0000451701-mRNA-1
MYRLAVLLAIVIVAAEAYPMDSDDYVYADKRAMRNALVRLGRSGMRNALVRSELLRALQE
HQVTVELNTERINDLLFIYNCFNRNISFKCFERIICLFDLFSCLNLSLRQTQTNCKK
ASCY

>FLP-11_Onchocerca_ochengi_OOCN_0000197101-mRNA-1
MPLKTDSTKVKLSPHNGSRFCYLSLSFSADPYSNLSRSPAASTLSPFADDAYGRFFDRK
PTAPRNALVRF

>FLP-11_Onchocerca_volvulus_OVOC4352.1
MPEIVVQNRNLKKFQYKKLDCAISGKDFAFVNEKRLHQIAAKASQIIVSMRPIHAYFLL
FYCLIAQFVIIASDQDDETLGQKRAMRNALIRFGRSGIRNALVRFGRKMSDMYFLDPENR
RAAALHPSRSLAALRVRNIAKIFFQKFNDSAVR

>FLP-11_Parascaaris_univalens_PgB07_g029_t01
QMLRSTIAGLFACIAVAVVAGAEDDEQLAEKRAMRNALVRFGRSGMRNALVRFGRKRADDN
EYSAMDEKRNAGAPQPFVRFGRSGRVDHIHDILSTLQRLQLANE

>FLP-11_Syphacia_muris_SMUV_0000858901-mRNA-1
MYRSAVFLICIVIAAEAYPMDADDYFYTDKRAMRNALVRLGRSGMRNALVSKQFKHNRRL
LQLWNISAIKFDTKFYIILRLIQKSLHFNCLAKSISTYHGNILMCLIKNVLYLLCYIQL
HKFSNIFEVFINDLLG

>FLP-11_Thelazia_callipaeda_TCLT_0000283401-mRNA-1
MKREEKRAVRGNLVRFDRSAMRNALVRFGRKMTNFDITLPENEQIIASHKSVHFDHLQHP
NYMKDFMPKTRRLQWNVLYR

>FLP-11-Toxocara_canis_TCNE_0000833701-mRNA-1
MLRSTVVGLFVCVALAVFANAEDDEQVADKRAMRNALVRFGRSGMRNALVRFGRKRADDN
YSTWDEKRNAGAPQPFVRFGRSGRVDHMHDLSTLQRLQLANE

>FLP-11_Wuchereria_bancrofti_maker-PairedContig_261-snap-gene-1.11-
mRNA-1
MHFVHTYFLLSYCFIVQFVTIAITSVRNDEALGEKRAIRNALVRFDRSGIRNALVRFGRK
TSDTYFLNAESRRPTALNPSVR

>FLP-11_Gongylonema_pulchrum_predicted
GSFFFFRADKRPMRNALVRFGRAGMRNALVR

>FLP-11_Loa_loa_predicted
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 >FLP-11_Onchocerca_flexuosa_predicted
 VLFSNKKKCFRGEKRTMRNALIRFGRSGIRNALVRLLSIKSLKKVDDKSD
 >FLP-11_Parascaaris_equorum_predicted
 YRAEKRAMRNALVRFGRSGMRNALVR
 >FLP-11_Ancylostoma_caninum_ANCCAN_00124
 MPSPASTTLCLIAVLVVAALAQDDSSPEKRAMRNALVRFGRAGGGMRNALVRFGRKRSSAD
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 >FLP-11_Ancylostoma_ceylanicum_Acey_s0084.g1709.t1
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 >FLP-11_Ancylostoma_duodenale_ANCDU0_12265
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 >FLP-11_Angiostrongylus_cantonensis_ACAC_0000368601-mRNA-1
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 DDYDQKRNGAPQPFVRFGRSSQLDHMHDLSTLQKLEMANY
 >FLP-11_Angiostrongylus_costaricensis_ACOC_0000049001-mRNA-1
 MGGPSNKFCAAFEVLLQLTSLSLFSPEKRAMRNALVRFGRAGGGMRNALVRFGRKRSSV
 DDDYDQKRNGAPQPFVRFGRSGQLDHMHDLSTLQKLEMANY
 >FLP-11_Caenorhabditis_angaria_Cang_2012_03_13_00035.g1991.t1
 MMRAAFVLVIVCLAAVFAQYDDISNEKRAMRNALVRFGRASGGMRNAMVRFGRKSALED
 EEEYVSPLAGKRNGAPQPFVRFGRSGQIDHMHDLSTLQKLFAGN
 >FLP-11_Caenorhabditis_brenneri_CBN11115.1
 MTQFSALALLLIIFVATTFAQYDDVSAEKRAMRNALVRFGRASGGMRNALVRFGRKRSSL
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 >FLP-11_Caenorhabditis_briggsae_CBG14520.1
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 >FLP-11_Caenorhabditis_elegans_K02G10.4a.1
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 >FLP-11_Caenorhabditis_inopinata_Sp34_X0251900.t1
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 >FLP-11_Caenorhabditis_japonica_CJA00813.1
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 >FLP-11_Caenorhabditis_latens_FL83_00627
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 >FLP-11_Caenorhabditis_nigoni_Cni-
 MTKFSALALILVIFVAASFAQSYDDVSAEKRAMRNALVRFGRASGGMRNALVRFGRKRSAM
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 >FLP-11_Caenorhabditis_remanei_FL81_02271
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 >FLP-11_Caenorhabditis_sinica_Csp5_scaffold_00053.g2698.t3
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 LDEEDFAPESPLQGRNGAPQPFVRRQVMTEDDRILLEQLLRRIHQL
 >FLP-11_Dictyocaulus_viviparus_nDv.1.0.1.t00680
 MCPAAIPSLFKGRNHLFSLIMFLSPVSRTLFLVLLVASTLAQDIYNSEKRAMRNALVR
 FGRAGGGMRNALVRFGRSGNDDYDTSSQSKRNGAPQPFVRFGRSGQVDHIYDILSTLQK

LETANYH

>FLP-11_Diploscapter_coronatus_DCO_030457

MYFLFISFNLVMLKQGSPSHFRYLQPAAVGRSPIYSLVRMQYPTLVCLLVGLVALFAAAY
GQDDDSYNMDKRAMRNALVRFRATGMRNALVRFGKRSSPDVEEFQTLQDKRNAGVPQP
FVRFRSGQIDHLSDMISTLQRLSVGSK

>FLP-11_Diploscapter_pachys_WR25_02813E.1

MQYPTLVCLFVCLVALFAAAYGQDDDSYNMDKRAMRNALVRFRATGMRNALVRFGKRSS
PDAEEFGQTLQDKRNAGVPQPFVFRSGQIDHLSDMISTLQRLSVGSK

>FLP-11_Haemonchus_contortus_HCON_00176100

MTSSTTIKFCIIAVVIASLRAQDSFALEKRAMRNALVRFRAGGSMRNALVRFGKRYLAT
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>FLP-11_Haemonchus_placei_HPLM_0001208401-mRNA-1

MTSSTTIKLCIVAVVIASLRAQDNFALEKRAMRNALVRFRAGGSMRNALVRFGKRYLAT
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>FLP-11_Mesorhabditis_belari_mbelari.g4147.t1

MAPPLAFPFLTSSTSSDSFAPSSLLTAMHPLVSWFLLIVLLFSLSTQAQLEDDDDIS
FEKRAAPMRNALVRFGRAAPNGGLRNALVRFGKRSSVSTQDKRNAQPQPFVFRSGNHL
DHMHDLSTLQRLQYANN

>FLP-11_Micoletzky_japonica_MicoRS5524-mkr-S25-2.8-mRNA-1

MRTSRISPEGTVAYGASLEKTSLSRMHTSLLLGFVLVAIAIYAQYDEDELEFDKRSMRNAL
VRFRSGGMRNALVRFGKRSDPDHEGNWQDKRNGMPQPFVFRSGQLDHMHDLNTLE
QIHQVHP

>FLP-11_Necator_americanus_NECAME_00060

MSSSASTSLCIIAVLIVVALAQDDSSPDKRAMRNALVRFRAGGGMRNALVRFGKRSSAD
DDYEALQDKRNGAPQPFVFRSGHLDHMHDLSTLQKLEMANY

>FLP-11_Nippostrongylus_brasiliensis_NBR_0000793401-mRNA-1

MPSSSTITLCFVVVLVAVVLAQDDSTA EKRAMRNALVRFRAGGGMRNALVRFGKRSSTT
LDDYEAAAQDKRNGAPQPFGEVFRSGQLDHMHDLSTLQKLQMANYY

>FLP-11_Oesophagostomum_dentatum_OESDEN_00051

MPSSATLCLVAVLVVVALAQDDSSVEKRAMRNALVRFRAGGGMRNALVRFGKRSSADDD
YEAAMQDKRNGAPQPFVFRSGQLDHMHDLSTLQKLEMANY

>FLP-11_Oscheius_tipulae_OTIPU.n0t.2.0.1.t00592

MASTLSVALFALCIVAIMAQYDDIETEKRAMRNALVRFRASGGARNALVRFGKRSSGDL
YDQYESSMQDKRNGAPQPFVFRSGRLEHMHDLSTLQKLEMANSK

>FLP-11_Pristionchus_entomophagus_entomophagus-mkr-S267-2.7-mRNA-1

MNSSLVFALVACVAIVAAQYDDEEIGFEKRAMRNALVRFRSGGMRNALVRFGKRSDP
EMESAQYQDKRNGAPQPFVFRSGQTDHMHDLSTLARVQSASSSLFDGKDDSGGTCSQ
DKKTCGGEEKKAPT KKTAPLDISTMWKKPDPAIALAFKGHYDEEKEYEGKVAQTVLKKL
EEKYRVLEERCSQLSGVCYEVVDRVWRNPEGFETNKWEMLRQVQLKGQIDSHFGRAVLVK
PEVLNWKTFDTRKWEVNKYVVIDREIQSLIGALTGSKAIPREEKNATRDYQILLVGLGTP
VIPNFIEKYHWM DLIVVEREPLFEYLAKKW FNM RKHPNLRILNADPV SFMSFVVAERHEV
DAVLIN ECKDHVDARPCPANVYLERGTMDVIKKVVRQETGVLGVNSRSSVK THERSVANA
YEGAFPMCFDYPGDHKQLHFER YKATICFNRKHTPFWLQSSRDFTLAALH DFFFYI

>FLP-11_Pristionchus_exspectatus_exspectatus-ag_msk-S_231-2.21-
mRNA-1

MNSSLFTLLIGVAVVVAQYDDEEIGFEKRAMRNALVRFRSGGMRNALVRFGKRSDP
EMESANYQDKRNGAPQPFVFRSGQTDHMHDLSTLARVQSASSVFDGQKKDAGTCSGT
KKTCGDAVASKAASKKAKAPLDVSVMWKKPEPPTKGHYDEEKEYDGRVAQAVLKLEEK
YRVLEEKCSQLTGVCYEVVDRVWRNPEGFEQNKWEMIRQIQKQVDYHFGSLLIKPTE
LNWKTYDTKKWVINKYAVLDKEIQSLIGGITGSKAIPRNETDANGKEYQILLVGLGAPII
PNFMEQYHWAKKDPIWNYFAGKWFNM RKHPNLRVLHADPISFMAFIVAQRHEIDAVIINT
CKDYVDPRPCPADVYLERGTIEVIKNNVREHSGMAGVNARSMEGKHPIEVANAYQDSFPM
CFDYPADHKQLTFERYKAAICYNREHPPFWHQSEKQYSTDSFHEFFFYI

>FLP-11_Pristionchus_fissidentatus_fissidentatus-ag_msk-S246-5.22-

mRNA-1

MNSSIVIALLFGAVLVAAQYDEDEIGFEKRAMRNALVRFGRSTGGMRNALVRFGRSDPE
MESANYQDKRNGAPQPFVRFGRSGNTDHMHDLSTLETNRVQISSSFLDGKKVDDVNGG
TCSTEKKQCGGGEKKAKKKEPFDISVMWSEKPESENEHHSFDKEGQYDGRVAQAVIKKLGE
KPRVLDTKCSEITGICYEVVDRIWYDNEGFNNPWEMLRQVQVKGEPEAHFGRATLVKPK
ELNWKTYDTKNWAINDGAVIDRETQALIGGLTGSLAIPRKAVNATRNYYILLVGLGTPTI
TNFLKRYHWMELVLDNEPVFEYFARKWFGFRLGPNLNYLQADPISFMSWVVGKQYDA
VIINECKDHADPHPCPASVYLERATMDVVRKVVRSKHGVFGVNTRSTEEKYEKEVANAYE
SVFPMCFDYPGEHKKLQFERYKSTICFNRPHRPFWQLSEKQYAYDAHNNFFYYV

>FLP-11_Pristionchus_japonicus_japonicus-mkr-S19-5.0-mRNA-1

MNSSILFALLIGAAVVAAQYDDEEIGFEKRAMRNALVRFGRSSGGMRNALVRFGRSDP
EMESANYQDKRNGAPQPFVRFGRSGQTDHMHDLSTLARIQSSLSPLSLLNSKKKDTGTC
SGTKKTCGEKAPAPKKEKVVDPSVMWKKPEPPTRGHYYDEEKYDGKLAQAVLKKLEEK
YRVLEEKCSQLTGVCYEVVDVRVWRNPEGFEQNKWEMIRQIQLKGEVDYHFGRSLLIKPDE
LTWKTYDTKTWKNWAVLDKEIQSLIGGITGSKAIPRNETDANGKEYQILLVGLGAPII
PNFMEQYHWMIDIIVVEKDPIFNFYFAGKWFNMRKHPNLRVLHADPISFMAFIVAQRHEIDA
VIINTCKDYVDPRPCPADVYLERGTIEVIKNVVREHSGMAGVNARSMIRPVDTHPIEVAN
AYQSSFPFCFDYPADHKQLTFERYKSAICYNREHIPFWHQSEKQYATDSYHEFFFYI

>FLP-11_Pristionchus_maxplancki_maxplancki-mkr-S40-2.45-mRNA-1

SSSGLVPSLSLSLLPIMNSSLLFALLIGVAVVAAQYDDEEIGFEKRAMRNALVRFGRSS
GGMRNALVRFGRSDPEMESANYQDKRNGAPQPFVRFGRSGQTDHMHDLSTLARVQSAS
SLFDGQKKEAGTCGKTKCGGEAAPIKAKKAPLDVSMWKKPEPPTKGHYYDEDKYDGK
MAQAVLKKLEEKYRVLEEKCSQLTGVCYEVVDVRVWRNPEGFEWVSWQNKWEMIRQIQLK
GQVDYHFGRSLLVKPTLNLWKTYDTKKWVKNKYAVLDKEIQSLIGGITGSKAIPRNETEA
NGREYQILLVGLGAPIIPNFMEQYHWMMDIVVEKDPIWNYLGGKWFNMRKHPNLRVLHAD
PISFMAFIVQQRHEIDAVIINTCKDYVDPRPCPADVYLERGTIDVIKNVVEKHTGMAGVN
ARAMESKHPIEVANAYQDSFPMCFDYPADHKQLTFERYKAAICYNREHPPFWHQSEKQYS
TDSFHEFFFYI

>FLP-11_Pristionchus_mayeri_mayeri-mkr-S427-0.109-mRNA-1

MHSSILFALLFGAVVASQFDDDEIGFEKRAMRNALVRFGRSSGGMRNALVRFGRSDP
EMESANYQDKRNGAPQPFVRFGRSGQTDHMHDLSTLERVQLHLSDAHERDEYGELOAK
ASPKKPRKEPIDISIMWKKPDPQDMTRYFDADGQWDGKTAQAVLKKLAAPRVLEEKCSQ
LTGVCYEVVDVRMNPDPGFESNKWEMLRQVQLKGHVDSHFGRATLVKPRELNWKTYDTKK
WEVNNKAVIDKEIQTLIGGLTGSKAIPRNESEAAGREYQILLVGLGTPIPIFIEQYHWM
DLIVVEKDPIFSYFAKKWFGMREHPNLRILHADSI SFMQFAVAQRHEFDAVLINVCKDYV
DERPCPADVYLERSTMEVIRNCVKEETGMAGVNTRSNVKKHEKEVANAYDNVFPFCFDYP
GDHKQLHVERYKSTVCFNREHTPFWLGYERDYTLATYHDWFFFYI

>FLP-11_Pristionchus_pacificus_PPA07538.1

AWNRGNEHPNGILSIVCAPDGPLQSSLPQTQSLSLFSPFSIMNSSLLFTLLIGVAIVVSQ
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RFRSGQTDHMHDLSTLARVQSASSVFDGQKKDAGTCGKTKCGDAVASKAASKKAKA
PLDVSMWKKPEPPTKGHYYDEEKYDGRVAQAVLKKLEEKYRVLEEKCSQLTGVCYEVA
DRVWRNPEGFEQNKWEMIRQIQLKGQVDYHFGRSLLIKPTLNLWKTYDTKKWVINKYAVL
DKEIQSLIGGITGSKAIPRNETDANGKEYQILLVGLGAPIIPNFMEQYHWMMDIVVEKDP
IWNFYFAGKWFNMRKHPNLRVLHADPISFMAFIVAQRHEIDAVIINTCKDYVDPRPCPADV
YLERGTIEVIKNVVEKESGMAGVNARSMESKHPIEVANAYQDSFPMCFDYPADHKQLTFE
RYKAAICYNREHPPFWHQSEKQYSTDSFHEFFFYI

>FLP-11_Heterorhabdus_bacteriophora_predicted

FSAEKRAMRNALVRFGRAGGMRNALVR
TSGDYASNISTYISRFGKRSSYDDDYEAASQDKRNGAPQPFGKIKWEVLKHA

>FLP-11_Pristionchus_arcanus_predicted

DELKIEELPIFCSFEKRAMRNALVRFGRSSGGMRNALVR

>FLP-11_Bursaphelenchus_xylophilus_BXY_0627300.1

MFSLPFPVYDYSSAITVSGYPSSANPPRLSNNFIEGSLVPPNNKMKLSALILVLALIVCA

VKAQAEFDEENGYAKRSMRNALVRFGRSGMRNALVRFGKRSLGNDYAEAKRAQSAPEPFV
RFGRSAPSHFALYDDYDI

>FLP-11_Halicephalobus_mephisto_HMEPH_15589-RA.p1

FQKPD TGAF AETV FKMQ STVIL CGVAL VLCV SSYA QQSD FDDFT FEKRT PMRNAL VRF
GRAGMRNALVRFGKRSAISEEYPVPIPEYALEAKRNGAPQPFVRFGRSAGRIDHMHDI LNT
LQKLELAN SQ

>FLP-11_Panagrellus_redivivus_Pan_g7468.t1

MQASSVLLFGLALAF CVIVSNAQFDEDYAAPTEKRAMRNALVRFGRAGMRNALVRFGKR
SADEIAVMPDYGNEAKRNGAPQPFVRFGRSAGRIDHMHDI LSTLQKIEMANGQ

>FLP-11_Parastrongyloides_trichosuri_PTRK_0000740600.1

MQSYFLLSIILSIFVVALIANGQQYDDVSVGY SPEKKAMRNALVRFGRAGMRNALVRFGK
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>FLP-11_Rhabditophanes_kr3021_RSKR_0000528400.1

MQTSFIVAILLSICVASLYVQAHQLDEDSFGFNPD KRAMRNALVRFGRAGMRNALVRFGK
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>FLP-11_Steinernema_carpocapsae_SC.X.g4084

MNAYTLFGCLMIIAIVTLVKADVDEESSSVEKRAMRNALVRFGRAGMRNALVRFGKR NQV
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>FLP-11_Steinernema_feltiae_L889_g7374.t1

MNAYTLFGCLIVIAFVSLVKADIDEDSSSVEKRAMRNALVRFGRAGMRNALVRFGKR SQD
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>FLP-11_Steinernema_glaseri_L893_g32192.t1

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>FLP-11_Steinernema_monticolum_L898_g3040.t1

MNAYTLFACLIVVAIVSLANADIDEESSGVEKRAMRNALVRFGRAGMRNALVRFGKR SQD
DSSYGANEDKRNGAPQPFVRFGRSGRVDHINDILSTLQKLEMANA

>FLP-11_Steinernema_scapterisci_L892_g28903.t1

MNMYTLFGCLVIIITIVSLANADIDEDSSSMEKRAMRNALVRFGRAGMRNALVRFGKR SQV
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>FLP-11_Strongyloides_papillosus_SPAL_0001281500.1

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RSM DNEMQEFALKRNAAPQPFVRFGRSSNLPIEGYVPYNSLYGNAEA

>FLP-11_Strongyloides_ratti_SRAE_X000206000

MKSYLILSILLSVFAAVLIANTQEYDENSIGYVPEKRAMRNALVRFGRAGMRNALVRFGK
RSLDNDIQEFALKRNAAPQPFVRFGRSSSLSPDGYFIPYGN IYENNEA

>FLP-11_Strongyloides_stercoralis_SSTP_0000849700.1

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>FLP-11_Strongylus_vulgaris_SVUK_0000956801-mRNA-1

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>FLP-11_Teladorsagia_circumcincta_TELCIR_00302

MYANWEAICSTHLAMILRSAEWF SIVFLLLVTFDAVFSHSRHKRRRHERD GDMRIEHILA
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LSQDEL RARYNTSNLEKRAMRNALVRFGRAGGSMRNALVRFGKR SSTADDDYAAVAQDK
RNGAPQPFVRFGRSGHLDHIHDILSTLQKLQMANYY

>FLP-11_Acrobelloides_nanus_ACRNAN_scaffold4517.g9432.t1

MRSSILISLIVVLSSVIFTNSQQIDEDVSSGYEKRAAMRNALVRFGRAGGM RNALVRFGK
RSSALEEAAVPDYSEMKRNGAPQPFVRFGRSGGHFDHMHDI LSTLQKLEMAN S

>FLP-11_Ditylenchus_destructor_Dd_01492

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LRKGLIVSGHEDSIISLDFTDNLISDVERYCFDNF PKLVKLKL TNNQLRYEEISDDWLTA

KLGQSLHQLYLDNNRIKNLDDGIFDNLKLNKLVL DGNKGLRLTPKTFGRGLKRLRILSM
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 NNMPALKSIFMRMPNLTEVMSCAFGLIDLESVDFSGSKGLGKIDDNAFGLYAKKEVVP
 DDFNMLDLRDCNFTGISENLLDWGPPTRLALAGNPLHDCETMKWLLGNRDVNMVGPVAV
 CKSPAALREKPLRKANAKQCGLSAPASSSLFDSNMVLI FLVAVCGIALVVGAGMFAKHKG
 VTVSQFLPAGRTQSSQLGYSNLGPSSRGAQNDIDDGDENRLEDDFNRPEFYFRVIHIFKR
 NICPIFQLEQIAAVMNPSTILFLLLAALASVIFSSQAQRSPQFDEDFSSMEKRQMRNALV
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 SAAANAVENGATDPMFFAVS
 >FLP-11_Globodera_rostochiensis_GROS_g04118.t1
 MAKLCRFSRFFYALLLLTLC SILMAEAAIWRMRTDKKAMRNALVRFGKR NAYRSSGEAF
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 >FLP-11_Heterodera_glycines_Hetgly.G000027538
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>FLP-13_Haemonchus_contortus_HCON_00095850

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>FLP-14_Pristionchus_pacificus_PPA45403.1
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>FLP-14_Strongylus_vulgaris_SVUK_0002021801-mRNA-1
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>FLP-14_Teladorsagia_circumcincta_TELCIR_03690
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>FLP-14_Cylicostephanus_goldi_predicted
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NSRFGKRKHEYLRFGRK

>FLP-14_Mesorhabditis_belari_predicted
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>FLP-14_Bursaphelenchus_xylophilus_BXY_1631500.1
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KHEYLRFGRK

>FLP-14_Halicephalobus_mephisto_HMEPH_14086-RA.p1
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>FLP-14_Panagrellus_redivivus_Pan_g7979.t1
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>FLP-14_Parastrongyloides_trichosuri_PTRK_0000543200.1
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>FLP-14_Steinernema_carpocapsae_L596_018036

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>FLP-14_Steinernema_feltiae_L889_g27993.t1

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>FLP-14_Steinernema_glaseri_L893_g25145.t1

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>FLP-14_Strongyloides_ratti_SRAE_2000302200

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>FLP-14_Strongyloides_stercoralis_SSTP_0000050600.1

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>FLP-14_Strongyloides_venezuelensis_SVE_1593600.1

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>FLP-15_Praprionchus_gibbindavisi_Praprionchus-mkr-S_279-0.53-mRNA-1

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>FLP-15_Pristionchus_arcanus_arcanus-ag_msk-S_470-0.37-mRNA-1

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>FLP-15_Pristionchus_entomophagus_entomophagus-mkr-S332-2.3-mRNA-1

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>FLP-15_Pristionchus_exspectatus_exspectatus-sn_msk-S_762-0.3-mRNA-1

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>FLP-15_Pristionchus_japonicus_japonicus-mkr-S186-3.19-mRNA-1

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>FLP-15_Pristionchus_maxplancki_maxplancki-mkr-S217-3.44-mRNA-1

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>FLP-15_Pristionchus_mayeri_mayeri-mkr-S428-0.8-mRNA-1

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>FLP-15_Teladorsagia_circumcincta_TELCIR_02801

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>FLP-15_Oesophagostomum_dentatum_predicted

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>FLP-15_Oscheius_tipulae_predicted

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>FLP-15_Steinernema_carpocapsae_L596_018859

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VGGQQQAGGVQEVQKRKSAFVRFGKRSADEEGMEMEKRKSAFVRFGRSIGMEPQFTEKR
KSQYIRFGK
>FLP-17_Caenorhabditis_inopinata_Sp34_40204200.t1 peptide:
Sp34_40204200.t1
MLSKLVLIITCLLLASSNGASMEEIQSEKFCEKFPTLHMCRLKEELTGSLVELQYLLQDG
MSVGGQSQVEAQEVQKRKSAFVRFGKRSAPEEEGMEMEKRKSAFVRFGRSAGLEPQITEK
RKSQYIRFGK
>FLP-17_Caenorhabditis_latens_FL83_23278 peptide: FL83_23278
MLSKLVFITFLLFTSSFGASMEEIQSEKFCEKFPTLHMCRLKEELTGSLVELQYLLQDGI
NVGGQQQVGAQEVQKRKSAFVRFGKRSAPEEEGMEMEKRKSAFVRFGRSIGMEPQITEK
RKSQYIRFGK
>FLP-17_Caenorhabditis_nigoni_Cni-flp-17 peptide: Cni-flp-17
MLFKLVLIALLFASSYGASMEEIQSEKFCEKFPTLHMCRLKEELTGSLVELQYLLQDGIN
VGGQQQAGGVQEVQKRKSAFVRFGKRSAPEEEGMEMEKRKSAFVRFGRSIGMEPQFTEKR
KSQYIRFGK
>FLP-17_Caenorhabditis_remanei_CRE21839.1 peptide: CRE21839.1
MLSKLVFITFLLFTSSFGASMEEIQSEKFCEKFPTLHMCRLKEELTGSLVELQYLLQDGI
NVGGQQQVGAQEVQKRKSAFVRFGKRSAPEEEGMEMEKRKSAFVRFGRSIGMEPQITEK
RKSQYIRFGK
>FLP-17_Caenorhabditis_sinica_Csp5_scaffold_03212.g29437.t1 peptide:
Csp5_scaffold_03212.g29437.t1
MLFKLVFLTCLLLFAGSQGASMEEIQSEKFCEKFPTLHMCRLKEELTGSLVELQYLLQDG
INVGGQQQAGVQEVQKRKSAFVRFGKRSAPEEEGMEMEKRKSAFVRFGRSIGMEPQITEK
RKSQYIRFGK
>FLP-17_Caenorhabditis_tropicalis_Csp11.Scaffold171.g648.t1 peptide:
Csp11.Scaffold171.g648.t1
MLVKLVLIACCLLFSSNGASMEEIQSEKFCEKFPTLHMCRLKEELTGSLVELQYLLQDG
INVGGQQQPAGAQEVQKRKSAFVRFGKRSAPEEEGMEMEKRKSAFVRFGRSIGMEPQLTE
KRKSQYIRFGK
>FLP-17_Dictyocaulus_viviparus_DICVIV_07526 peptide: DICVIV_07526
MWCALLFFSSIVYSIAASTNNERSSLEVCRQVPSLYLCRLYGTLQESLYELQDLLQDTEP
ENAAVTNLMHKRKSAFVRFGKRSDVPEPEKRKSAFVRFGRSVNIPEKRKSQYIRFGK
>FLP-17_Diploscapter_coronatus_DC0_022899 peptide: DC0_022899
MAQIWHISILPLFALFGLGCSAIHDRLVADQFCGKFPTLHMCRLRTELEGS LGELQYLLQD
ATNDVQSAEMSGTTSSPDLAGQPEKRKSTYVRFGKRASDILLEDAPVKRKSTYVRFGKRS
ANEFDDATSELQMEKRKSAFVRFG
>FLP-17_Diploscapter_pachys_WR25_20045.1 peptide: WR25_20045.1
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ATNDVQSAEMSGTTSSPDLAQPEKRSSTYVFRFGKRSASDILLEDAPVKRKSTYVFRFGKRS
ANFDDATSELQMEKRKSAFVRFG
>FLP-17_Haemonchus_contortus_HCON_00123460-00001 peptide:
HCON_00123460-00001
MWCVLFFVFSLIACSFASSRDDQLSEQFCRQFPSLNLCLHDTLQGSLVELQYLLQDTNLD
SAAPGSSAEKRKSAFVRFGKRAAEESAEIEKRKSAFVRFGRSAEFDMPEKRKSQYIRFGR
K
>FLP-17_Haemonchus_placei_HPLM_0000820801-mRNA-1 peptide:
HPLM_0000820801-mRNA-1
MWCVLFFVFSLIACSFASSRDDQLSEQFCRQFPSLNLCLHDTLQGSLVELQYLLQDTNLD
SAAPGSSAEKRKSAFVRFGKRAAEESAEIEKRKSAFVRFGRSAEFDMPEKRKSQYIRFGR
K
>FLP-17_Heligosomoides_polygyrus_HP0L_0000658301-mRNA-1 peptide:
HP0L_0000658301-mRNA-1
MWCVLFFVLSLIVCSSLAGNEEHLSEQFCRQFPSLHLCRLHDTLQGSLVELQYLLQDTNAE
GAVPLNQMEKRKSAFVRFGKRSADDTMEVDKRKSAFVRFGRSASSMEMPKRKSQYIRFG
RK
>FLP-17_Heterorhabditis_bacteriophora_Hba_02546 peptide: Hba_02546
MLHYVMLFVFFALSIIVCTFAGNEEILSEEFQFPSLHLCRLHDTLQGSLELQYLLQD
TNVESAIIVTAPLDKRKSAFVRFGKRSADDDIVDMKRKSAFVRFGRSVADIPDKRKSQY
IRFGKK
>FLP-17_Mesorhabditis_belari_mbelari.g18803.t1 peptide:
mbelari.g18803.t1
MKRSVGSFVIGMLISLLFSPLQADEQSDFCRQFPSLALCKLPTILQGDSPYTAPGSYDEL
QYLLAGVDQPPQAVGHEMITNQALQKRKSAFVRFGKRSQTQIGDTEIPEKRKSAFVRFG
SDPAMVAEMEKRSNYVRFG
>FLP-17_Necator_americanus_NECAME_13924 peptide: NECAME_13924
MWCVFFFSLIVCSFATNEDNLSEEFQFPSLHLCRLHDTLQGSLVELQYLLQDNNVEN
AVPVNPMKRKSAFVRFGKRAANDAAEIEKRKSAFVRFGRSVPVDVPEKRKSQYIRFGRK
>FLP-17_Nippostrongylus_brasiliensis_NBR_0001430501-mRNA-1 peptide:
NBR_0001430501-mRNA-1
MWCAVFFLSLIACTFAGNEEHLAEQFCPAPMMKRKSAFVRFGKRSDEEDVMDVDKRKSAF
VRFGRSAPLDMPEKRKSQYIRFGRK
>FLP-17_Oesophagostomum_dentatum_OESDEN_09593 peptide: OESDEN_09593
MAGTHCTDFYGSEVSAAIPVGPVEKRKSAFVRFGKRAADFSGEVEKRKSAFVRFGRSVPA
ELPEKRKSQYIRFGRK
>FLP-17_Oscheius_tipulae_OTIPU.n0t.2.0.1.t10567 peptide:
OTIPU.n0t.2.0.1.t10567
MLSAIFLVFCLFTYTHAGTNDEVLSEEFQFPSLHLCRLHDTLQGSLVELQYLLQDTEG
MTGAVAPGTVQKRKSAFVRFGKRSTETSEENSMSMEKRKSAFVRFGRSIGENPKRKS
QYIRFGRK
>FLP-17_Parapristionchus_gibbindavisi_Parapristionchus-mkr-
S_3171-0.5-mRNA-1 peptide: Parapristionchus-mkr-S_3171-0.5-mRNA-1
MFIRYLILLIVISLTAEVDSQTLPSVDFCSRYPFNLCLQRSTLEGSLMELAQIQS
HLVVDSDQAPEDLQMEKRKSTFVRFGKRSAPATSPPEEPSKMEKRKSTFVRFGKRKS
SYVRFG
>FLP-17_Pristionchus_arcanus_PARCANUS000017717.t1 peptide:
PARCANUS000017717.t1
QGPIMFTRVAITILCTLSALMAADTEQQTNPISIPETFCERFPALALCQLRNTLDQSILEL
SSLQEHMLKEAADIRTPGAIEKRKSNFVRFGKRSVEPVEMGQMEVPEKVEEKRSNFVRFG
GKRKSNFVRFG
>FLP-17_Pristionchus_entomophagus_PRENTOPHAG000009985.t1 peptide:
PRENTOPHAG000009985.t1
AHSCRRFHKTSKHSSCCVRARDPSDSAHRTPTVYPSQGPTTMHTRAAIALLSVSAVVAA

DAEQQTAPSIPEVFCDRFPALALCQLRYNLDQSILELSTLQEQMIKDAVDIRPPEAIEKR
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 >FLP-17_Pristionchus_expectatus_PEXSPEC000008918.t1 peptide:
 PEXSPEC000008918.t1
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 EHMLKQVADIRPPEAIEKRKSNFVRFGKRSAEPVEMGQMEVPEKVEEKRKSNNFVRFGKRK
 SNFVRFG
 >FLP-17_Pristionchus_fissidentatus_PRIFISSI000006270.t1 peptide:
 PRIFISSI000006270.t1
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 KRSESPVEPGELEEPEKVEEKRKSNNFVRFGKRKSNNFVRFG
 >FLP-17_Pristionchus_japonicus_japonicus-mkr-S681-0.28-mRNA-1
 peptide: japonicus-mkr-S681-0.28-mRNA-1
 MSDSLPGSPLLLFRLLPNFFHFHSGIRSLPPKRLPNTRFSWCALVICRTNPDVHFVL
 LYFVLHLASASCLILVQIKRVSQDPTMLVRISIALFTLTAVFAADAEQQTNPISPEAF
 ERFPALALCQLRYNLDQSIHELSTLQEQMLKEAAVQQPEAIQKRKSNNFVRFGKRSEVPV
 KIGQMEEPEKVEEKRKSNNFVRFGKRKSNNFVRFG
 >FLP-17_maxplancki-ag_msk-S170-0.7-mRNA-1 peptide: maxplancki-
 ag_msk-S170-0.7-mRNA-1
 MFLMAFLMATFLMAAEAEQQTNPISPEAFCEFPALALCQLRYNLDQSIHELATLQEQML
 KEAVDIRPPEAIEKRKSNFVRFGKRSAEPLELGQLEEPEKVEEKRKSNNFVRFGKRKSNNFV
 RFG
 >FLP-17_Pristionchus_mayeri_mayeri-mkr-S83-1.10-mRNA-1 peptide:
 mayeri-mkr-S83-1.10-mRNA-1
 FQGPSMLIRVATALLFAIPALMAADSEQQTLPSIPEAFCEFPALALCQLRFDLDQAIVE
 LSAIQSQMLKDSADIQPPEAIAKRKSNNFVRFGKRSAPEMGEETEEPEKVEEKRKSNNFVR
 GKRKSNNFVRFG
 >FLP-17_Pristionchus_pacificus_PPA27516.1 peptide: PPA27516.1
 MFTRATTTILFTLSALMAADTEQQTNPISPEAFCEFPALALCQLRYNLDQSIHELSSLQ
 EHMLKEVADIRPPEAIEKRKSNFVRFGKRSAEPVEMGQMEMPEKVEEKRKSNNFVRFGKRK
 SNFVRFG
 >FLP-17_Teladorsagia_circumcincta_TELCIR_11623 peptide: TELCIR_11623
 MDGAHSRRVDTVSANIIVAGDSGITAQKRKSAFVRFGKRSEAGDVEKRKSAFVRFGRS
 APFDMPEKRK
 >FLP-17_C52D10.11.1 peptide: C52D10.11.1
 MLSKLVLTTCLLLTISGSSQAASMEETQSEKFCEKFTLHMCRLKEELTGSLVELQYLLQ
 DGINNQQAQAEVQKRKSAFVRFGKRSAPEEEAMEMEKRKSAFVRFGRSFGMEPQITEK
 RKSQYIRFGK
 >FLP-17_Caenorhabditis_japonica FLP-17 predicted
 KSAFVRFGRSIGLEPQITEKRKSQYIRFGKR
 KRKSAFVRFGKR
 >FLP-17_Micoletzky_japonica_Micoletzky_japonica FLP-17 predicted
 LDSGEPRVDVSDASATGAGEVEKRKSSFVRFGKRAAADLDDDAIVVR
 >FLP-17_Bursaphelenchus_xylophilus_BXY_0707100.1 peptide:
 BXY_0707100.1
 MLGLIIVAGLCSQLAFAFLTPQQNAKLSELCSANPNLFVCTLAEYLDESMIDIDSLIPAE
 QRDQLQNPKNFQSRMQKRKSAFVRFGKRSQGNSEYAPEDLALNFPIDGILNSRPARKS
 SYIRFG
 >FLP-17_Halicephalobus_mephisto_MSTRG.8673.1.p1 peptide:
 MSTRG.8673.1.p1
 MNVIVVLSFIVAMSVVNNANPVTKECLCSGMFKDLAICKIRGLTEQAVKETEILSEYYEI
 LSRGNFFEKMDQNPTAVNNQKIPFEKRKSAFVRFGKRSEENSNLNSESPRSADLPNLPWF
 LSMNFYSNGPRSGSNENHPEISEIEKRKSSYVRFGKREM
 >FLP-17_Panagrellus_redivivus_Pan_g17589.t1 peptide: Pan_g17589.t1

MMKLFLLALCFGVASAKQPLDDICTENFADLNICKLRGVLARAYDELNEIIGTYQDMAYA
YHSGESSKDSAEANFLFEKVQSDRINALRTQRAHVARGPMEKRKSAFVRFGKRSELAETI
AQIFSPNPNAASDNVPEAREVAKRKSSYVRFG
>FLP-17_Parastrongyloides_trichosuri_PTRK_0000745500.1 peptide:
PTRK_0000745500.1
MFKFYSTIFIAFLLVAASKVVLTSSTPDMDNHGIVENTPDQASAYEMFCRDYSHLQLCKL
ELTLQQALAEQYIILNDPSEEIESFRSKRKSAFVRFGKRSSDDDMFQNFDRKSAFVR
FGRSIEDPINGQKRKSSYVRFG
>FLP-17_Rhabditophanes.sp.KR3021_RSKR_0000181000.1 peptide:
RSKR_0000181000.1
MATD*TNDDWDRRHNSFEFQALDTKPLIKKADLLGGHLKVLVPKVEPPYLNYPIDINQI
NEDKVPPGVVVMILSYVGKELNLTDFEILETGEWGTADGKWNGAFEKLIDGDAELVAG
GAVVRYDRSLYDTLTFPIHFEVSGMMIRSSNKYRSYTWLIVTDPFSWKVWMIAFCSIIVS
GIYFKINTYFLKKINKETQYSIFECTWIFFSIAMQQALPRQPINTSCRTLLAFWWLSSMT
LLATFTGSLVALFAVNSLVLPFSDFDGMVQSIKSGKYTLMDINYPSTKTEMIAKSRIPSY
KDLWNEMYNHRVDYVESIKTGVQIVKNNPNFVLLGPKEVLNIYAAIECHMVILKEEILA
SYISIPFKKHSKYAQYFSEIRIKKYTEYGFIDKWLKDYKTYILSQNENRCNITQTQSKSKV
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RKSSYVRFG
>FLP-17_Steinernema_carpocapsae_L596_g10349.t1 peptide:
L596_g10349.t1
MWAFLIFATLVALARTESDVAGSAAVVDEFCQQYNQMSLCHLHGTLEQALTELSFLFGED
AASGGGQTIPMMGKRKSAFVRFGKRSADELEQAMEKRKSAFVRFGSLQPVEQKRKSSYV
RFG
>FLP-17_contig03713.0.2 peptide: contig03713.0.2
MWAIFVFAIFVALSRADDGAVAGNAAVVDEFCQRYSQMSLCHLHGTLEQALTELSFLFGE
DAAPDGSEPLVMGKRKSAFVRFGKRAVSDLEQAMEKRKSAFVRFGSLQPVEQKRKSSYV
RFG
>FLP-17_Steinernema_glaseri_L893_g30784.t1 peptide: L893_g30784.t1
MLGFVVIATLLALSNAESEPAAAVVDEFCQRYSQMSLCHLHGTLLQALTELSFLFGEDG
VPTGPNDPILMSKRKSAFVRFGKRAAEDGQVMEKRKSAFVRFGSLPAVEQKRKNSYVR
FD
>FLP-17_Steinernema_monticolum_L898_g3546.t1 peptide: L898_g3546.t1
MWALFVFAIVVALVRAEEGPRNSAVVEEFCQRYNQMSLCHLHGTLEQALTELSFLFGED
VNAEGGDPIVMGKRKSAFVRFGKRAAEDVEQAMEKRKSAFVRFGSLQPVEEKRKSSYVR
FG
>FLP-17_Steinernema_scapterisci_L892_g11917.t1 peptide:
L892_g11917.t1
MWAFFVIFATMVVLARSESDVAGSAAVVDEFCQRYNQMSLCHLHGTLEQALTELSFLFGED
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VRFG
>FLP-17_Strongyloides_papillosus_SPAL_0000071600.1 peptide:
SPAL_0000071600.1
MFKYQSCLATVLFILSISVTLTFSSTLERHLPSEVTSDQFSAYEVFCREYSHLQLCKL
ESTLQQALAEQYIILNDPNEESENFRSKRKSAFVRFGKRSPDDMNFEKRKSAFVRFG
RSIDDSISGQKRKSSYVRFG
>FLP-17_Strongyloides_ratti_SRAE_X000019700.1 peptide:
SRAE_X000019700.1
MFKYPTSLITVFLFSLSIGITFTLSSPTIGSQHVSDISPDQVSAYEMFCKDYSHLQLCKL
EFTLQQALAEQYIILNDPTDDNQNIKSKRKSAFVRFGKRDLDGEIAFDKRKSAFVRFG
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>FLP-17_Strongyloides_stercoralis_SSTP_0000486200.1 peptide:

SSTP_0000486200.1

MFKYPTSFITVLFYSLIVVSLTSLPAMESHHAPNPTSDQISAYEMFCKDYSHLQLCKL
EFTLQQALAEQYIILNDDPIDDSNFKTKRKSAFVRFGKRSNDDMLFDKRKSAFVRFG
RSVEDPINGQKRKSSYVRFG

>FLP-17_Strongyloides_venezuelensis_SVE_0907600.1 peptide:
SVE_0907600.1

MLEKIIIIYNNFNLMVMFKYQSYLVTVLFLILSISVTLTFSSPTLERHSPSEVTSDQFSA
YEVFCREYSHLQLCKLESTLQQALAEQYIILNDEPNEESENFRFKRKSAFVRFGKRSPS
DDMNFETRKSFAFVRFGRSIDDSISGQKRKSSYVRFG

>FLP-17_Acrobelloides_nanus_ACRNAN_scaffold2729.g19047.t1 peptide:
ACRNAN_scaffold2729.g19047.t1

MYAPVFALMLFVAYSTAIPDTNEFCVSYSHLNLCKLKEVLEGALQEVQFVLSAQTAIPP
QVQARTMVDKRKSAFVRFGKRSPASEESFSMP

>FLP-18_Romanomermis_culicivora_nRc.2.0.1.t24635-RA peptide:
nRc.2.0.1.t24635-RA

MIDNSMQTVPGEQYNNMASNFKASISESLTISTALTIFYGVVPCAFWVYGVLSYHLNYS
NNLPKIVIFFYVALRRVLEILVLARIWQIKCYTLLSLIVYFLFMCNRSFAARKTSDSLN
RSDGVNDGDESYEDENDDTYEEKRALPGVLRFGKKAMPVGMRFGRWSGGAGAALSPYD
GDDDDAEAFYNAYKQRWASIRKAMPVGMRFGRSAVKRAGGAIAIGGKHSMPRVMRFG

>FLP-18_Soboliphyme_baturiniSoboliphyme_baturiniSoboliphyme_baturini
_SBAD_0001137701-mRNA-1 peptide: SBAD_0001137701-mRNA-1

MFDKCLFVGLRQNSQRFIDPLDSFRQGEAMTPNWKARFCGKVTKHDRSAESTLIRGNDFD
KYYGIAPMAGFKRDSPLMRFGKRASMMQYEKSQLPGMMRFGGRNYVPDYSYDLNGEALT
NTE

>FLP-18_Trichinella_britovi_T03_13022.1 peptide: T03_13022.1
MKSYSISLQSIMFVLGVVFLCSISFGSCTEADMDNFKENIPGRFLWKKYDAPGLMRFGKRV
VQGYDRYDDSAAPGLMRFGKRSYSRQLHDKFGDSDLRLRYVT

>FLP-18_Trichinella_murrelli_T05_10777.1 peptide: T05_10777.1
MKSYSISLQSIMFVGVVFLCSISFGSCTEADMDNFKENVLYEDIPGRFLWKKYDAPGLMR
FGKRVVQGYDRYDDSAAPGLMRFGKRSYSRQLHDKFGDSDLRLRYVT

>FLP-18_Trichinella_nativa_D917_09615 peptide: D917_09615
MFVVGVLFLCSISFGSCTEADMDNFKENIPGRFLWKKYDAPGLMRFGKRVVQGYDRYDD
APGLMRFGKRSYSRQLHDKFGDSDLRLRYVT

>FLP-18_Trichinella_nelsoni_T07_7357.1 peptide: T07_7357.1
MFVLGVIFLCSISFGSCTEADMDNFKENVLYEDIPGRFLWKKYDAPGLMRFGKRVVQGYD
RYDDSAAPGLMRFGKRSYSRQLHDKFGDSDLRLRYLT

>FLP-18_Trichinella_papuae_T10_4261.1 peptide: T10_4261.1
MFVLGVVFLCSISFGSCTEADMFKNVPGRFLWKKYDAPGLMRFGKRIVQGYDRYDD
APGLMRFGKRSYSRQLHDKFGDSDLRLRYVT

>FLP-18_Trichinella_patagoniensis_T12_3663.1 peptide: T12_3663.1
MKSYSISLQSIMFVLGVVFLCSISFGSCTEADMDNFKENVLYEDIPGRFLWKKYDAPGLMR
FGKRVVQGYDRYDDSAAPGLMRFGKRSYSRQLHDKFGDSDLRLRYVT

>FLP-18_Trichinella_pseudospiralis_T4C_274.2 peptide: T4C_274.2
MKSYSISLQSIMVLGVVFLCSISFGSCTEADMFKNVPGRFLWKKYDAPGLMRFGKRI
VQGYDRYDDSAAPGLMRFGKRSYSRQLHDKFGDSDLRLRYVT

>FLP-18_Trichinella_spiralis_T01_6784.1 peptide: T01_6784.1
MKSYSISLQSIMFVLGVVFLCSISFGSCTEADMDNFKENIPGRFLWKKYDAPGLMRFGKRV
VQGYDRYDDSAAPGLMRFGKRSYSRQLHDKFGDSDLRLRYVT

>FLP-18_Trichinella_sp.T6_T06_12727.1 peptide: T06_12727.1
MKSYSISLQSIMFVGVVFLCSISFGSCTEADMDNFKENVLYEDIPGRFLWKKYDAPGLMR
FGKRVVQGYDRYDDSAAPGLMRFGKRSYSRQLHDKFGDSDLRLRYVT

>FLP-18_Trichinella_sp.T8_T08_16448.1 peptide: T08_16448.1
MKSYSISLQSIMFVLGVVFLCSISFGSCTEADMDNFKENIPGRFLWKKYDAPGLMRFGKRV
VQGYDRYDDSAAPGLMRFGKRSYSRQLHDKFGDSDLRLRYVT

>FLP-18_*Trichinella*_sp.T9_T09_5865.1 peptide: T09_5865.1
MKSYSISLQSIMFVVGVFLCSISFGSCTEADMDNFKENVLYEDIPGRFLWKKYDAPGLMR
FGKRVVQGYDRYDDAPGLMRFGKRSYSRQLHDKFGDSLRLRYVT

>FLP-18_*Trichinella*_zimbabwensis_T11_18332.1 peptide: T11_18332.1
MKSYSISLQSIMFVLGVFLCSISFGSCTEADMFENKENVPGRFLWKKYDAPGLMRFGKRI
VQGYDRYDDAPGLMRFGKRSYSRQLHDKFGDSLRLRYVT

>FLP-18_*Trichuris*_muris_TMUE_2000008037.1 peptide: TMUE_2000008037.1
MDVMIVMPPGDGPLAAEGGTRLTIAAEERKTQLIISARSTHWLTVKVLNPRNESSLDFR
SPQRGIGADEYASKFPHFLYKSNHIANDVPGLMRFGKKSVPSEQLVLDGSLMA

>FLP-18_*Trichuris*_suis_D918_07269 peptide: D918_07269
MRFRSASRDVENPVVSSCTCGVAVGIQSAFTALNLYYSSQIIGYKVQKMKMHSIFGSFK
LLASVVLFGSVLLAAETDQGLVLPENVMEANAQYGEVLRNQQWKYDGPMMRFGKRRYY
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>FLP-18_*Plectus*_sambesii_PSAMB.scaffold3601size17630.g22026.t1
peptide: PSAMB.scaffold3601size17630.g22026.t1
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SRAAEIEDQEAEEKRAGGFLTANQVLPGNYFGKRVGMIDRLPTSEDEWLMSAGKRDVEE
AENDSSKRSAEDNTIPGVLRFGKKSNSLPSGLRFGKRAQSFIRFGKRQDKKDMPGVLRF
GKRDDGAMPGVLRFGKKSIPGVLRFGRDDGAMPGVLRFGKKSIPGVLRFGRGSDM
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>FLP-18_*Acanthocheilonema*_viteae_nAv.1.0.1.t00368-RA peptide:
nAv.1.0.1.t00368-RA
METAGLMMHMKFAVIFVTIMTTTTTTTTIPLYVQMDNSSLISFGKHDKYKTDVPYKNFIP
HITPFDESIYEKKDVPGLRFGKREGDIPGVLRFGRNDDIPGVLRFGRSPLGVLRFR
R

>FLP-18_*Anisakis*_simplex_ASIM_0001471501-mRNA-1 peptide:
ASIM_0001471501-mRNA-1
MVDWTSISSVHLLAFICISVYAEVELPVLSYYPDSAVVDRDDPYQIAFTKLGRYSPDQE
GVDAESLAGNAAEKRVACLFISKYNDNIHEQSVTSSFPWDHKKHCEGTFSEEVYIGFGDEAS
IPGVLRFGKRMPGVLRFGKRDNEKKAVPGVLRFGKRGDVPGVLRFGKRSDMPGVLRFGK
RAMPGVLRFR

>FLP-18_*Ascaris*_lumbricoides_ALUE_0001030201-mRNA-1 peptide:
ALUE_0001030201-mRNA-1
LYAYQSKGGSPFSSLLSSISSHHSSSSEALGPLLQGADASNMMVELAAIAVHLFAILCIS
VSAEIELPKRAQFDDSLPYYPSSAFMDSDEAIVAVPSSKPGRYYFDQVGLDAENAMSA
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SDMPGVLRFGKRSMPGVLRFR

>FLP-18_*Ascaris*_suum_GS_16229 peptide: GS_16229
MDSDEAIVAVPSSKPGRNAVNLMRINSFAISLEGFGDEMSPGVLRFGKRGMPGVLRFGK
RENEKKAVPGVLRFGKRGDVPGVLRFGKRSDMPGVLRFGKRSMPGVLRFR

>FLP-18_*Brugia*_malayi_Bm18003.1 peptide: Bm18003.1
METTGWLLQMIKLIIIIIVTITTTTKTITTAANLYDHLDNSNFYRSLNDVYEPAATELLIK
RDYGDIPGVLRFGKRDYGANYPYKNFVPNVVPFGENDYEKKDVPGVLRFGKREGDIPGV
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>FLP-18_*Brugia*_pahangi_BPAG_0000590701-mRNA-1 peptide:
BPAG_0000590701-mRNA-1
MQKKLLIKAIHLTYGDIPIGVLRFGKRDYGANYPYKNFVPNVAPFGENDYEKKDVPGVLR
FGKREGDIPGVLRFGKRNDDIPGVLRFGKRSAPSLSRFGLH

>FLP-18_*Brugia*_timori_BTMF0000381301-mRNA-1 peptide:
BTMF_0000381301-mRNA-1
YGDIPGVLRFGKRDYGANYPYKNFVPNVVPFGENDYEKKDVPGVLRFGKREGDIPGVLR
FKRNDDIPGVLRFGKRSAPSLSRFGLH

>FLP-18_*Dirofilaria*_immitis_nDi.2.2.2.t11162 peptide:

nDi.2.2.2.t11162
 XLFRLGKDNYGTDYVYNQKLIPDTVQFGENGYEKKDVPGLRFGKREGDIPGLRFGKRN
 DDIPGLRFGKRSVPGVLRFGRRH
 >FLP-18_Dracunculus_medinensis_DME_0000800701-mRNA-1 peptide:
 DME_0000800701-mRNA-1
 LPHHIHNSIYKCCNFRSSIISRRIFSISIPGLRFGKRLNLLQGLTKRTIPGLRFGKRG
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 >FLP-18_Elaeophora_elaphi_EEL_0000518401-mRNA-1 peptide:
 EEL_0000518401-mRNA-1
 MYTPGLRFGKHDTDPVYKKLIADIMPFDENVEKKDVPGLRFGKREGDIPGLRFG
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 >FLP-18_Enterobius_vermicularis_EVEC_0001306101-mRNA-1 peptide:
 EVEC_0001306101-mRNA-1
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 >FLP-18_Gongylonema_pulchrum_GPUH_0001812401-mRNA-1 peptide:
 GPUH_0001812401-mRNA-1
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 >FLP-18_Loa_loa_EJD74811.1 peptide: EJD74811.1
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 RRR
 >FLP-18_Onchocerca_flexuosa_X798_06169 peptide: X798_06169
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 >FLP-18_Onchocerca_ochengi_Onchocerca_ochengi_n0o.2.0.1.t11006-RA
 peptide: n0o.2.0.1.t11006-RA
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 FGKRSEPGVLRFGRR
 >FLP-18_Onchocerca_volvulus_OVOC3170.1 peptide: OVOC3170.1
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 EPGVLRFGRR
 >FLP-18_Parascaaris_univalens_PgR002_g209_t01 peptide:
 PgR002_g209_t01
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 GKRSMPGLRFGRR
 >FLP-18_Thelazia_callipaeda_TCLT_0000586401-mRNA-1 peptide:
 TCLT_0000586401-mRNA-1
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 >FLP-18-Toxocara_canis_Tcan_03428.1 peptide: Tcan_03428.1
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 GKSMPLRFGRR
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 RFLH
 >FLP-18_Litomosoides_sigmodontis FLP-18 predicted

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 >FLP-18_Syphacia_muris FLP-18 predicted
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 >FLP-18_Ancylostoma_caninum_ANCCAN_13126 peptide: ANCCAN_13126
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 >FLP-18_Ancylostoma_ceylanicum_Acey_s0673.g1392.t1 peptide:
 Acey_s0673.g1392.t1
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 >FLP-18_Angiostrongylus_cantonensis_Angca_006813 peptide:
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 VPGVLRFGRK
 >FLP-18_Caenorhabditis_latens_FL83_00909 peptide: FL83_00909

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 >FLP-18_Caenorhabditis_nigoni_Cni-flp-18 peptide: Cni-flp-18
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 >FLP-18_Heligosomoides_polygyrus_HP0L_0001729701-mRNA-1 peptide:
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 >FLP-18_Mesorhabditis_belari_mbelari.g10245.t2 peptide:
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>FLP-18_Pristionchus_mayeri_mayeri-mkr-S4-6.54-mRNA-1 peptide:
mayeri-mkr-S4-6.54-mRNA-1

MISDWLQDPSLGTRYPCNLSMKKTIFVLILFVLLLSLGIVQVLRVIVLSALIIYYIVLNF
QNDSFNGMARAVGHLFFVLLAHVYIVFLVMSTYNTLRNRDSSRYAPPPSVLTTGHHIIQT
TNRGSDVRKEIATMTYSAHLSIYPPLIHRNLIDANTDAKRMVALVDGGIKVAAPSSFHS
PIMGRFLGVLRDEFLLSAVFSSIVLLSSIIVIPSTIGRLNSIRDALNIQMKEFNAIEREV
YSSVSSLRSSSSSPSSSRLPRQSQPECNCEGGSPCPAGPPGRPGQPGTGLPGTPGRIGE
EGAPAAPYEIRTKAERGCRVCPGPKGVPGYTGPPGALGKHGEPGPQGEPRGTGVSGPLG
PPGVPDQGSGLGKEGEGGERGREGVRGEKGESGTVGAPGATGPRGYPGNPGRDGSAGGPG
PRGTLGEAGKQGVPGYKGYPGPAGSNGVPGIDAGYCKCPVRMSEVYTEVPEVTEKPTTTT
TEASYSAATTGVSEQPWFMKDSTTKTAPPSEKGVYVELEGQTDIDGIILDRRFFPSLH
CSCPLDDADSLVMENMYPSEYDIHQDKRDSMPGVLRFGKRAQAFVRFGRKLSPIEKK
MPGVLRFGKRNEKKSVPALLRKVGKEYGVLRFGKRSPAMDSIMEGLVFKKSVPGVLRFG
RKFANFALHSWFLLTARGIVGAGKSLATLLPPITLLSLSLSPPPDKLLLYHPAVWIKD

>FLP-18_Pristionchus_pacificus_PPA24926.1 peptide: PPA24926.1
MRYSTDTGWYRPRCLSPFSPLVQSYSSHHLNQASFIPCFFLPLQPQEIEWILLDYDRRL
RRKTYLES DLQILFTGLDDAESLMIENMYPSEDYHLQDKRDSMPGVLRFGKRAQAFVRF
GKRLSPIEKKEMPGVLRFGKRNEKKSVPVEWAREKRIERKGASILALLRKVGREYGVLRFG
GKRSVGMDSMETLIFKKSVPGVLRFGRK

>FLP-18_Strongylus_vulgaris_SVUK_0001445701-mRNA-1 peptide:
SVUK_0001445701-mRNA-1
MWRVSTALFILLVALANAADLQEQVYDIPEGDYVNDLSLLENIPRAKELSDKPDLDNMS
RVLRYAKSEDDLKKEILGVLRYGKRSNKKSVPGVLRFGKRSVPGVLRFGKRDIPGVLRFG
KKSMPSVLRFGKRHEIPGVMR

>FLP-18_Teladorsagia_circumcincta_TELCIR_06210 peptide: TELCIR_06210
MGMFRTYWPSETGWRRDTKIPGSEPRRSLVPSSKYTVDLGGMPGVLRFGKRENGVEKK
EVPGVLRFGKRTNKKSMMPGVLRFGKRNVPGVLRFGKREMPGVLR

>FLP-18_Caenorhabditis_elegans_Y48D7A.2.1 peptide: Y48D7A.2.1
MQRWSGVLLISLCLLRGALAYTEPIYEIVEEDIPAEDIEVTRTNEKQDGRVFSKRDFG
AMPGVLRFGKRGVWEKRESSVQKKEMPGVLRFGKRAYFDEKKSVPGVLRFGKRSYFDEK
KSVPGVLRFGKRDVPMKREIPGVLRFGKRDYMAFSDKRSEVPGVLRFGKRDVPGVLRFG
GKRSDL EEHYAGVLLKKSVPGVLRFGRK

>FLP-18_Micoletzky_japonica_Micoletzky_japonica FLP-18 predicted
KNLYTPRRLTPESPSFPLLAISYVPSISLIHPSSHLSPLPPLPQSFSPSGVLRFGKRSNIPGVLRFG
KKSVPGVLRFGRK

>FLP-18_Necator_americanus FLP-18 predicted
IHETFMNCRFGKRNNGMISFPVLVKKSVPGMRLFGK

>FLP-18_Pristionchus_exspectatus FLP-18 predicted
RSKITLYSPSHTLISSHRLTILSPSGYFIEIFDGIP SILQLSSPFSFPFTHSPSFIVSPHSSPIFSS
SGVLRFGKRSAGMDSMETLIFKKSVPGVLRFGRK

>FLP-18_Cylicostephanus_goldi FLP-18 predicted
XX
QVSCDSGREACRVCCDSEKEKYLVSYGCFLSILSCYKVVCRFGKRSMPSVLRFGKRREIPGMMR
XXX
GVLRFGKRSVPGVLRFGKREIPGVLRWVFFIHFELL

>FLP-18_Heterorhabditis_bacteriophora FLP-18 predicted
KSREQAFRFGKRSLNFDDVPGVLLGKKSVPGVLRFGK
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>FLP-18_Bursaphelenchus_xylophilus_BXY_1201400.1 peptide:
BXY_1201400.1
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GVLRFGRK

>FLP-18_Halicephalobus_mephisto_HMEPH_05621-RA.p1 peptide:
HMEPH_05621-RA.p1
FSFQGTGRFEMQLRSLLLNHFFLALVITVIIGLVAAEESHDKSKEDGDM EKKMMPFASP
LEFNENIYFPEEEGADELNALDKRSPLSFE G DVP GILRFGKRSQSFVRFGRS GDELSKLV
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FGKRD P DMPGVLRFGKRD V DMPGVLRFGKRDQEKKNVPGILRFGKRS DMPGVLRFGKRS
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>FLP-18_Panagrellus_redivivus_Pan_g22928.t1 peptide: Pan_g22928.t1
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DEPSFLDSEDL YRAAKRSDMADVPGILRFGKRSQSFVRFGRSAADELTRLMEKKQMPGVLR
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DMPGVLRFGKR FELAYLDKKN DIPGVLRFGKK

>FLP-18_Parastrongyloides_trichosuri_PTRK_0000949300.1 peptide:
PTRK_0000949300.1

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>FLP-18_Rhabditophanes.sp.KR3021_RSKR_0000312000.1 peptide:
RSKR_0000312000.1

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>FLP-18_Steinernema_carpocapsae_L596_g2714.t1 peptide: L596_g2714.t1
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WYDPEAYDTV KRAVGDETSMPGVLRFGKRGQAYVPFGRLDKKEMPGVLRFGKRGEKKAVP
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>FLP-18_Steinernema_feltiae_L889_g15885.t1 peptide: L889_g15885.t1
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>FLP-18_Steinernema_monticolum_L898_g5958.t1 peptide: L898_g5958.t1
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DPDAYDTV KRAMGDEASMPGVLRFGKRGQS FVRFGRLDKKEMPGVLRFGKRGEKKAVPGV
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>FLP-18_Steinernema_scapterisci_L892_g18180.t1 peptide:
L892_g18180.t1

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 SPAL_0001744300.1
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 SRAE_2000372400.1
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 >FLP-18_Acrobelloides_nanus_ACRNAN_Path_924.g3554.t2 peptide:
 ACRNAN_Path_924.g3554.t2
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 ESKEKKDVP GILRFGKRDQDIPGVLRFGKRDIDNMPGVLRFGKRGDDIPGVLRFGKRDVD
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 >FLP-18_Ditylenchus_destructor_Dd_02429 peptide: Dd_02429
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>FLP-19_Acanthocheilonema_viteae_nAv.1.0.1.t10358-RA peptide:
nAv.1.0.1.t10358-RA

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 >FLP-19-Toxocara_canis_TCNE_0001800601-mRNA-1 peptide:
 TCNE_0001800601-mRNA-1
 MILAEVVGEVCTTFPGAFSTAEPETEYREEMPADERHYFPQMRWQRPAMLPYEIESADRL
 KKWASQLRFGKRASWASKVRFG
 >FLP-19_Wuchereria_bancrofti_WBA_0000570601-mRNA-1 peptide:
 WBA_0000570601-mRNA-1
 MFTDLLLLYCILPVLALAAQNALLDETNEYRQDLWPYMDDMAQWPNELSNVVYYDPRLKRWA
 SQLRFGKRTNWASKVRFG

>FLP-19_Anisakis_simplex FLP-19 predicted
 SQLERIHILVFKEWENADRIKKWASKLRFGKRASWASKVRFG

>FLP-19_Ascaris_lumbricoides FLP-19 predicted
 NTSVKDTDGAERMKKWASQLRLGKRASWASKVRFG

>FLP-19_Gongylonema_pulchrum FLP-19 predicted
 XX
 XXXQLRFGKRSSWASKVRFG

>FLP-19_Parascaaris_equorum FLP-19 predicted
 NTSCLKETDAAERMKKWASQLRLGKRASWASKVRFG

>FLP-19_Parascaaris_univalens FLP-19 predicted
 NTSCLKETDAAERMKKWASQLRLGKRASWASKVRFG

>FLP-19_Angiostrongylus_costaricensis_ACOC_0000556001-mRNA-1
 peptide: ACOC_0000556001-mRNA-1
 MSSSLLWSSRKNIQVKQPYQYTFKLRMISWKKKKLENYKRWMQSVLCKYDMIMFKPSFQR
 PYQKRWANQVRFGKRANNWASSVRFG

>FLP-19_Caenorhabditis_angaria_Cang_2012_03_13_00091.g4067.t1
 peptide: Cang_2012_03_13_00091.g4067.t1
 MSFQLTLFTVLLIFIAIVLGQHVGSQPDSENEALLAADAFNSLMEYLQKTNPNVRS
 MQKRWANQVRFGKRASWASSVRFG

>FLP-19_Caenorhabditis_brenneri_CBN21772.1 peptide: CBN21772.1
 MSFQLTLFSMLLLLIQAVVVGQPIQSQIDDLKVVQAVQDNSPLSMEAFNDDPALYDYLED
 PSLKIMEKKWANQVRFGKRASWASSVRFG

>FLP-19_Caenorhabditis_briggsae_CBG04506.1 peptide: CBG04506.1
 MSFQLTLFSMLLLLIQAVVVGQPIQSPGDLRVQAVQDNSPLSMEAFNDDPAVYDYIEQSD
 PTFKVMKKWANQVRFGKRASWASSVRFG

>FLP-19_Caenorhabditis_inopinata_Sp34_X0074200.t1 peptide:
 Sp34_X0074200.t1
 MLLLLIAVVVGQPVQSPYGDQSKVQAEGDSSLPWIQGYVPYAPLYEEQLDKSPLTMEKKWA
 NQVRFGKRASWASSVRFG

>FLP-19_Caenorhabditis_japonica_CJA02337.1 peptide: CJA02337.1
 MSFQLTLFSMLLLLIQAVVVGQPIQSHASSLKVETGQDNPLSMEAFNDDPTLYDYFELVD
 PSPLKNKRWANQVRFGKRASWASSVRFG

>FLP-19_Caenorhabditis_latens_FL83_01290 peptide: FL83_01290
 MSFQLTLFSMLLLLIQAVVVGQPIQSHSDDLKVQAVQDNSPLNMEAFNDDSAYYYYYPEQA
 DPSFKDVQKKWANQVRFGKRASWASSVRFG

>FLP-19_Caenorhabditis_nigoni_Cni-flp-19 peptide: Cni-flp-19
 MLLLLIAVVVGQPIQSPGDLRVQAVQDNSPLSMEAFNDDPAAYDYIEQSDPTFKVMEKK
 WANQVRFGKRASWASSVRFG

>FLP-19_Caenorhabditis_remanei_CRE07236.1 peptide: CRE07236.1
 MSFQLTLFSMLLLLIQAVVVGQPIQSHSDDLKVQAVQDNSPLNMEAFNDDSAYYYYYPEQA
 DPSFKDVQKKWANQVRFGKRASWASSVRFG

>FLP-19_Caenorhabditis_sinica_Csp5_scaffold_00039.g2135.t1 peptide:
 Csp5_scaffold_00039.g2135.t1
 MSFQLTLFSMLLLLIQAVVVDQITISENSGESNKRTRSGARQPIQSPVGDRLRVQAVQDNSP
 LNMEAFNDDSAFYDYLEGLGSDVDTASVMQKNDLFLSLLLIHFTTLCIISLQNNSGTLL
 RRCKTGADCECDWMNPLQNQNESSTSALFLQPDPSLKVMEKKWANQVRFGKRASWASSVR
 FG

>FLP-19_Caenorhabditis_tropicalis_Csp11.Scaffold629.g13782.t1
 peptide: Csp11.Scaffold629.g13782.t1
 MSFQLTLFSMLLLLIQAVVVGQPIQSPNGDLKVVQAVQDNSPLSMEAFNDDPALYDYLEQS
 EPSLKTIEKKWANQVRFGKRASWASSVRFG

>FLP-19_Dictyocaulus_viviparus_DICVIV_09512 peptide: DICVIV_09512
 MHQSTSLRNILLVLSAFLCVLSYSSLEDSTGQKIDTRYGDVWQDFPYFLGQHQRWANQV
 RFGKRASNWASSVRFG

>FLP-19_Diploscapter_coronatus_DCO_024687 peptide: DCO_024687
 MLLANILSLFLLILTLASVYAFPRTNQEQAEDLTASQEIYPYENQFDSYLASLSDGG
 GFGLRPVKKWANQVRFGKRANWASSVRFGRRK

>FLP-19_Haemonchus_contortus_HCON_00175255-00001 peptide:
 HCON_00175255-00001
 MHRDLFLALLAFICVFAYRPF DGARYGHDGTYEELWHSDLNTRGRNQKRWANQVRFGKRA
 SSWASSIRFG

>FLP-19_Heligmosomoides_polygyrus_HPBE_0000412201-mRNA-1 peptide:
 HPBE_0000412201-mRNA-1
 MLRTFATWIPPPSKKNRVQSQAGGRGPYNDCNHQFQPQFQHFNQKRWANQVRFGKRASSW
 ASSVRFG

>FLP-19_Heterorhabditis_bacteriophora_Hba_17684 peptide: Hba_17684
 MYIVARPQMDSDSLMLWYDSDGTLRNSELGMGSLYAQHQKRWANQVRFGKRGNWASSVR
 FG

>FLP-19_Mesorhabditis_belari_mbelari.g24225.t3 peptide:
 mbelari.g24225.t3
 MLLRLFTLIALLFALVCIVYGADEQALESADNVAPLRLVRLANSADADIDLPQIYKRW
 TQVRFGKRAANSWASSVRFG

>FLP-19_Micoletzky_japonica_MIJAPON000017745.t1 peptide:
 MIJAPON000017745.t1
 NPSSSPIPFIPSAMLHRLSLCILSIALLIASVYGDAQDSHWDDVGYPQWKLDSFPRSLR
 SEADSLSAKKWANQVRFGKRASWASQVRFGRRR

>FLP-19_Necator_americanus_NECAME_06129 peptide: NECAME_06129
 MKAPRKNLTNVMGNRNDVECIKLGERDALSIESGWKEEMVCVRVLKLGAASKRLTSPF
 HTHSTSNAPAVIHATPPAPSSLRHCMRTSCISVLAYPSLDDAKQDQDVAYLDSWQDTPFF
 QGPYQKRWANQVRFGKRASSWASSVRFG

>FLP-19_Nippostrongylus_brasiliensis_NBR_0000715401-mRNA-1 peptide:
 NBR_0000715401-mRNA-1
 MGQWPETPELQHLQKRWANQVRFGKRASSWASSVRFG

>FLP-19_Oesophagostomum_dentatum_OESDEN_05620 peptide: OESDEN_05620
 MHQPSMLRHLLILLIAIVCVLAYPSLDDARQELDVPYMDPWQDIPAFQGSYQKRWANQVR
 FGKRASWASSVRFG

>FLP-19_Parapristionchus_gibbindavisi_Parapristionchus-sn_msk-
 S_1201-0.16-mRNA-1 peptide: Parapristionchus-sn_msk-S_1201-0.16-
 mRNA-1
 MFTHHLFILISLLLISLSTLQADEDVQWDDLSPYSQWNYDSFPRSLRSEMSSPSKKWANQ
 VRFGKRSGQKSWASQVRFGRR

>FLP-19_Pristionchus_arcanus_Pristionchus_arcanus_arcanus-mkr-
 S_240-1.38-mRNA-1 peptide: arcanus-mkr-S_240-1.38-mRNA-1
 MLTARLLVCVLLAVLCAVLSAEYDDYAAPAQFDTFPRALRSELPYSKKWANQVRFGKR
 SGAGQRSWASQVRFG

>FLP-19_Pristionchus_entomophagus_entomophagus-mkr-S220-1.100-mRNA-1
 peptide: entomophagus-mkr-S220-1.100-mRNA-1
 MLTARVLILLIAVLCTITIRAEDLELDVDRHPTQWKFDSPRALRSEMPVYSKKWANQV
 RFGKRSAGGQKSWASQVRFG

>FLP-19_exspectatus-ag_msk-S_1165-0.6-mRNA-1 peptide: exspectatus-
 ag_msk-S_1165-0.6-mRNA-1
 MEAKETSDHCSAYNLFCALENTESHKSFSVAGQTAAREYDDYEQQRGAAQFDAFPRALR
 SELPSYSKKWANQVRFGKRSGAGQRSWASQVRFG

>FLP-19_Pristionchus_fissidentatus_fissidentatus-mkr-S589-0.16-
 mRNA-1 peptide: fissidentatus-mkr-S589-0.16-mRNA-1
 PPLHHERDMLTARLFLLLAAVGTVTAAALRDDDES LAIDFDAPTQWKFDSPRVLRS DM
 GNGYSKKWANQVRFGKRSAGAVGQRSWASQVRFG

>FLP-19_Pristionchus_japonicus_japonicus-mkr-S82-1.1-mRNA-1 peptide:

japonicus-mkr-S82-1.1-mRNA-1
MLTARLVAALLLVAVCAVMVVAEYEEAEYEVRAPAQYEAFSRALRSELPTYSKKWANQVR
FGKRSGAGGQRSWASQVRFG
>FLP-19_Pristionchus_maxplancki_maxplancki-mkr-S15-7.9-mRNA-1
peptide: maxplancki-mkr-S15-7.9-mRNA-1
MLTARLLVVMLLAALCAVVITAHEYDDYEPRAAAQFDTFPRALRSELPSYSKKWANQVRFG
KRSAGQRSWASQVRFG
>FLP-19_Pristionchus_mayeri_mayeri-mkr-S379-0.3-mRNA-1 peptide:
mayeri-mkr-S379-0.3-mRNA-1
MLTARLIVLLVATLCTLTGYAEYDDGPSDFESAPKQFDSFPRALRSEMPSSYSKKWANQVR
FGKRSGQRSWASQVRFG
>FLP-19_Pristionchus_pacificus_PPA31028.1 peptide: PPA31028.1
MLTARLLVCVFLAVLCAVVLSAEYDDYEQQRGAPAQFDAFPRALRSELPSYSKKWANQVR
FGKRSSGAGGQRSWASQVRFG
>FLP-19_Teladorsagia_circumcincta_TELCIR_05143 peptide: TELCIR_05143
MDGTVNASSSHKELWVTSIMAYPSLDDARHSNNAAYVEPWQYTPHIHGPHYQKRWANQVRFG
GKRASSWASSVRFG
>FLP-19_Caenorhabditis_elegans_M79.4.1 peptide: M79.4.1
MSFQLTLFSLMLLLIAVVVGQPIQSQNGDLKMQAVQDNSPLNMEAFNDDSALEYDLEQSD
PSLKSMKRWANQVRFGKRASWASSVRFG
>FLP-19_Ancylostoma_caninum FLP-19 predicted
SLNISSKQVTSACLACAQESQKTLIKSTQHLRAFLLSYTFVPQHMQFQPALQGPYQKRWANQVRFGK
RASWASSVRFG
>FLP-19_Ancylostoma_ceylanicum FLP-19 predicted
TFLSHLYTFVLQHVQFQPALQGPYQKRWANQVRFGKRASWASSVRFG
>FLP-19_Ancylostoma_duodenale FLP-19 predicted
EHFYISIPYTFVLQHVQFQPALQGPYQKRWANQVRFGKRASWASSVRFG
>FLP-19_Angiostrongylus_cantonensis FLP-19 predicted
DLFLGRKKLEYKRWMMQNVLYKYDMIMFKPSFQGPYQKRWANQVRFGKRANNWASSVRFG
>FLP-19_Diploscapter_pachys FLP-19 predicted
ASLSDGGGFGLRPVKKWANQVRFGKRANWVSQNITKNEN
ASSVRFGRRK
>FLP-19_Haemonchus_placei FLP-19 predicted
RGDRVLTLESKVLEFLRGNRYEPTELYSIFNFQLNTRGRNQKRWANQVRFGKRASSWASSIRFG
>FLP-19_Oscheius_tipulae FLP-19 predicted
KVDFQIMTGYKNPEKKWANQVRFGKRASSWASSVRFG
>FLP-19_Halicephalobus_mephisto_HMEPH_01778-RA.p1 peptide:
HMEPH_01778-RA.p1
MWVQVLFVPGPVNWLRRKAVRFFNKNKHKHRVRLKPEPPRLAALTWTICFNMVSTRYLLC
LILGYVALVAAAYQADSEVHYQYVKRLPEYDPQYYPSSLWELDNAVRLKKWASQLRFGKR
SGNSWATQVRFG
>FLP-19_Panagrellus_redivivus_Pan_g13.t1 peptide: Pan_g13.t1
MVWTRIALCLFFAYVAVVANAYQNLDFPVQRPLRYGSLAKRSSPLMDSESAEVESYNLY
PQNFFNVDNDVRLKKWATQLRFGKRSPWASQVRFG
>FLP-19_Parastrongyloides_trichosuri_PTRK_0000950500.1 peptide:
PTRK_0000950500.1
MVLSTNVLIKFSLLLIGIICLINGEKGKIQPEPLTFDLARDGGLIHPSFYIEIKVPHDLSE
EDIPYQYMDQLMSIPRNKKWASQLRYGKRSNWASQLRYGRK
>FLP-19_Steinernema_carpaceae_L596_g12999.t1 peptide:
L596_g12999.t1
MLTAQLILACLLAVFACALGYSSYPASETEDSRAVPFVPLPYGYWQSPQQFLDTNDELDD
SQRLKRSKWASQIRYGRASWASQVRFG
>FLP-19_contig00432.0.71 peptide: contig00432.0.71
MLTAQLLLACLLAVFASAYGYSNFPSPSDSDSPVAPKVVPLPYGYWRSPEQPVETADTMP

ENDDSFRLLKRSKWASQIRYGKRGSWASQVRFG
>FLP-19_Steinernema_glaseri_L893_g21176.t1 peptide: L893_g21176.t1
MLGFPPQYLVHDSNSLMGPAAGHDLCVPLIGTSSALGDIKLVSNPDAWIWIPSRRPETH
PPEKXXXXKLVSNDPAWISWIPSRRPETHPPEKSSLLLEYLLSIAFGLTEEDPKANLVIGF
GSSVTIQHPYLVSDLSLPLRTPKLDLRTDPGHFAMLSAQLTLACLLLLLAVVYGHSNYV
PSDSDSPVVVPYPYGPYGSWQPSQLVREDTGSEDDLFRAAKRSKWASQIRYGKRASWA
SQVRFG
>FLP-19_Steinernema_monticolum_L898_g29047.t2 peptide:
L898_g29047.t2
MSAVVKWRQFPSVTFSEPLRFAMLTTLILACLLAVFAYAYGYSNFPPTSEESPTQFV
PLPHGFWQSPQLMADTLQEDDSLRLKRSKWASQIRYGKRASWASQVRFG
>FLP-19_Steinernema_scapterisci_L892_g30829.t1 peptide:
L892_g30829.t1
MLTAQLILACLLAVFACALGYSSYPAPASETEDSRAAPFVPLPNGYWQSLQQLLDTNDDQ
DDSLRLKRSKWASQIRYGKRASWASQVRFG
>FLP-19_Strongyloides_papillosus_SPAL_0000460300.1 peptide:
SPAL_0000460300.1
MAYSSILIKVTFLIIGFILLISAESIKNPPESEQFNTNEGTELFNPHFYQFKKFQYPIDD
EIFSYQANEQIPIRDRKWASQLRYGKRSSWASQLRYGKK
>FLP-19_Strongyloides_ratti_SRAE_2000348200.1 peptide:
SRAE_2000348200.1
MAYSSILNKITFLFLGFILLITAELNKNNAVSEQFTANEGVESFNPYLYQIKKFQYPYDD
DMSLYQMNEQIPIRDRKWASQLRYGKRSSWASQLRYGKK
>FLP-19_Strongyloides_stercoralis_SSTP_0000410900.1 peptide:
SSTP_0000410900.1
MAYSNILTKVTFLFLGFILIITADFNKNNEGLEQFNSNEKIDSFNPYLHLFKKFQYPTDN
DDALLLYQINEQIPIRNRKWASQLRYGKRSSWASQLRYGRK
>FLP-19_Strongyloides_venezuelensis_SVE_1751700.1 peptide:
SVE_1751700.1
MAYSSILIKVTFLIVGFILLISAESSKNAPVSEQFNANEGTELFNPYFYQFKKFQYPTDN
EIFSYQTNEQIPIRDRKWASQLRYGKRSSWASQLRYGKK
>FLP-19_Bursaphelenchus_xylophilus FLP-19 predicted
FQHAEEPFRMKKWASSLRFGKRGPGWASQVRFG
>FLP-19_Acrobelloides_nanus FLP-19 predicted
VDSNNLRLKKWATQLRYGKRGGPSGWASQVRFG
>FLP-19_Ditylenchus_destructor_Dd_08537 peptide: Dd_08537
MPPVMKPSRTVVWSLRLFPVSRNALLIFTFLFCVILFVNIGCEAASLSMREIDDYM
APYVDAYAVDNGSWQPESLRLKKWASQLRFGKRAASNGWASQVRFG
>FLP-19_Ditylenchus_dipsaci_jg24717 peptide: jg24717
MSLTKAIRRLILGRFLPASSWQSMFIAFIFAVIVCVNVTEAALSMEDDYNGKIDSYMAP
YVDAMHEDWQPESLRLKKWASQLRFGKRGNGWASQVRFG
>FLP-19_Globodera_pallida_GPLIN_001242300 peptide: GPLIN_001242300
MNSSRSTVFSTVSLLSLILVVTTECRAGLIALEELDNQIGPYSVEWQLAPKAAGGD
VGVKDSAEGENWVPELLRLRKRWATQLRFGKKAVAAADGPIRQWASQVRFGRRGEEQRAR
REYIAAMPSEAPGVNLFGTVIPKDVLFALFYLLYFASFGLFPLLAIFYFKQLGLSAAQ
AGILLGSRPLVEFVASPFWGSFADRFRKGKMLLLFSLCSMIVFTLAVGFVQPLTPYCVVL
DQNSTGGECKFLVPASEIISGGALGYIKKVAGIGRRRRDILSIIDLSTFDNKGDLVAGKA
PEYVTDKDKVCNYDKEMYGTLVSPPHSTRVYREQAVEQAFMLLWLLISLGEFFASPALALA
DGYTSLVSDTPKDFGKIRLYGSAGWGIAFMLGIGLDFSDTFRNHPCPTKNTTERNYTL
NFVTCTLFALAALVTTQFKFPQPSRQHRPDEIGGLVMDTRVTEVDPTMAQRTRAKQLNT
NSQTEEPWKSALRAMLKNIHFLAFLLVSVGFGAGNIFAFLFWHLQDIGGSPLLFGLIA
SITNHAAEIVTDPQAKAQFIKPKFVAGTVHVFGECEFPFSDHFLAFQPVLLQGAVVSILW
ASATSYVSIVSPHLKGTSQLHILALLSANFSRFLCKTLTFRFHGLGRGVGPIIGGFFIRA
HGTRALFLLMAFLTLCVLGVYAVNLKLNESVKYSGFADFNETAGGETLAPQGLPMLH

FGDNKITEAFNQTA VSNQNYGAIEENSDEKQRDDAYDRYVTGH
>FLP-19_Globodera_rostochiensis_GROS_g04780.t1 peptide:
GROS_g04780.t1
MSSSQSTVFSTVSLLLLLSLFLLSLIVVTTECRAGLIAELELDNQIGPYSVEWQLAPETA
GGNVGVGDSAEGENWVPELLRLRKRWATQLRFGKKAVAAADGPIRQWASQVRFGRK
>FLP-19_Heterodera_glycines_Hetgly.G000004102 peptide:
Hetgly.G000004102
MDIPIGASDRNGHSHLSSFAPSADDSLQAAQVRVAKPTALLEPVELDELRPISQNEVSPQ
QKTVDTRPARETKQSGNENEVLTGSGTESAANSSMDIGKKQPKEMKNGNLLTTVYPKDV
PFSWISRPTFDVAAMPPI LANPQNRLTAAAFADIVRSIQRDSRFVSYALFYSRMPVWL
FSIVILLAVLASSPMGGPLVMVFAFVWL FMLVLGLLFCALLQKFIVLALRVLVKEINAI
QTFRLLVGIQNRGIVFIFYDFDGCREDIARQIRVQQANNLPFSSANCLSDIEITQKADEL
MLAHAQAYLKGLVKHRLRFPTRPSEGVSDFLPRHVAKSHCLCQFVAMEHFHKGPQKGLAP
WYERMFVLDLFFVLAFADLAHLGTRSLRLSLAIVFGAVGIGTVRLFTRHAIIGPMPS
AVYFASISLPPTANLHIKAVEFARRCHCHHYLFFYQPFLLYFTVFSTVSLFRLFPFFVF
IITMTRESRAEMIGLELDNQIGPYAIEWPLATETTGGEGKDSAGGENWVPELLRLRKRW
STQLRFGKRAFAGPRRQWASQVRFGRK
>FLP-19_Strongylus_vulgaris FLP-19 predicted
PVFHGPYQKRWANQVRFGKRASWASSVRFG
RNDNENLV LISXXXXWANQVRFGKRASWASSVRFG
>FLP-20_Plectus_sambesii_PSAMB.scaffold389size53576.g5306.t1
peptide: PSAMB.scaffold389size53576.g5306.t1
MNQTALAALILLVAVQLAQPYVLEPKRASELFGKRASELFGKRASELFGKRASELFGKRA
SELFGKRSAQPAFISILADRPYAEMIAKRSVYDDDYASAGMTPDMIDEVMDRFETQRGRR
ASELFGR
>FLP-20_Ascaris_lumbricoides_ALUE_0000661901-mRNA-1 peptide:
ALUE_0000661901-mRNA-1
MKLVPPW NIRA AETCGMRHMLRDLGNGAVELRGLRYDGDDGSLETAGSDLLSSSYDSDAH
DVSRRVRLGKRSLMRLGKRGIMRLGKRAPMRLG
>FLP-20_Ascaris_suum_GS_07434 peptide: GS_07434
MSTLVRYVLAVLLIVDAVHLRLAI IQGYDGDDGSLETAGSDLLSSSYDSDAH DVSRRV
RLGKRSLMRLGKRGIMRLGKRAPMRLG
>FLP-20_Dracunculus_medinensis_DME_0000374201-mRNA-1 peptide:
DME_0000374201-mRNA-1
MNTFTTWLLIFVIMVGETSEKPN SFFISKNGPELENFPLEDISDFDLHPYIVAYKRAMMR
LGKRSVFRFGKRALMRLG
>FLP-20_Onchocerca_onchengi_n0o.2.0.1.t12479-RA peptide:
n0o.2.0.1.t12479-RA
MALFERGV TREARHLRMRDTQTWVIYRAYNSLHRFDGKYVYRFGGKHVCHFGGKHVYHFG
SKHVYRFGGKYVYRFGGKHVYCFGGKHVYRFGGKHVYCFGGKNFY SFDLFEAICTL
>FLP-20_Parascaris_univalens_PgR017X_g046_t01 peptide:
PgR017X_g046_t01
MLVPPDICVNEMKFLPW NIRT AETCCMRHMLRDSGNGDVELQGLRYDGDDGSLETAGSD
FLSSSYDSDAH DVSRRVRLGKRSLMRLGKRGIMRLGKRAPMRLG
>FLP-20-Toxocara_canis_Tcan_05432.1 peptide: Tcan_05432.1
MTLTKTKCEELQNFAAASALRARMPTFVEYMLIVSLLVDSIYLCRS AVMPDFEVDGVGLE
SADLADTSPAHRNSPLHTV NKRAILRLGKRALMRLGKRAMMRLGKRAPMRLG
>FLP-20_Ancylostoma_ceylanicum_Acey_s0081.g1505.t1 peptide:
Acey_s0081.g1505.t1
MGHTSTNARKFITCLCCFILASLVVAFPNQQLKRQSLEDGVVPWRLLQYQSYPSWKTPTM
VEKRAMMRLGKRAMKVLEKRAMMRLGK
>FLP-20_Caenorhabditis_angaria_Cang_2012_03_13_00338.g9431.t1
peptide: Cang_2012_03_13_00338.g9431.t1
XAIVEYEDPAYENVENFLSENEKSDNSQV NKRAMMRFGKRAMMRFGKRAMMRFG

>FLP-20_Caenorhabditis_brenneri_CBN14777.1 peptide: CBN14777.1
MGYSHSRVFVALVLLSMLIAVCMAPPAAPSQDQDNTSDDYPFFEDTLGMTDDGSDGPH
EEKRAVFRMGKRAMMRFGKRAVMRFGKRSVFRLG

>FLP-20_Caenorhabditis_briggsae_CBG16156.1 peptide: CBG16156.1
MMGHSRSRFVIALLLSVLIAICVAAPPAISLQDLPAEDYPFLEEDVLDLPSDGTDAPIA
EKRAVFRMGKRAMMRFGKRAVMRFGKRSVFRLG

>FLP-20_E01H11.3.1 peptide: E01H11.3.1
MLGYTQSRVVITLLLSVFLAVCMATPSGYPGQELQNVSDDYPIYEEGLQLSAEGTDEP
HEEKRAVFRMGKRAMMRFGKRAVMRFGKRSVFRLG

>FLP-20_Caenorhabditis_inopinata_Sp34_X0053700.t1 peptide:
Sp34_X0053700.t1
MIGYPQSRVVITLLLSILVSACLAVPFPNPSWEMQSGSNDYPAEETNEFAGDGTDEQQL
HEEKRAVFRMGKRAMMRFGKRALMRFGKRSVVRLG

>FLP-20_Caenorhabditis_japonica_CJA04591.1 peptide: CJA04591.1
MMGYSCRAVIALLLSVLIAVCAVPNGYGSQEDVNEYPMLYDDVDPFDLQIEGTEEPLQ
KRAVMRMGKRAMMRFGKRAMMRFGKRSVFRLG

>FLP-20_Caenorhabditis_latens_FL83_02262 peptide: FL83_02262
MMGYSQSRVTIALLLFAVLIACVAAPPAFPAQDLQNEQWPMLEEEALEMPGDGTGDPHE
EKRAVFRMGKRAMMRFGKRALMRFGKRAVMRFGKRSVFRLG

>FLP-20_Caenorhabditis_nigoni_Cni-flp-20.1 peptide: Cni-flp-20.1
MMGHSRSRFVIALLLSVLIAICVAAPPAISSQDLPAEDYPFLEEDLLELPADGTDAPIA
EKRAVFRMGKRAMMRFGKRAVMRFGKRSVFRLG

>FLP-20_Caenorhabditis_remanei_CRE16761.1 peptide: CRE16761.1
MMGYSQSRVTIAILLFAVLIACVAAPPAFPAQDLQNEQWPMLEEEALEMPGDGTGDLHE
EKRAVFRMGKRAMMRFGKRAVMRFGKRSVFRLG

>FLP-20_Caenorhabditis_sinica_Csp5_scaffold_00011.g738.t1 peptide:
Csp5_scaffold_00011.g738.t1
MMGHSQSRFVIALLLSVLIAICVAAPPAFPGQDLAAEDYPIFAEEALEMPGDGSDGPHE
YGKTRRLPYGQKSYDEIRETRRDEIRKEIRVPTWLSHVNVLHLSILHLTLTSVRALDF

>FLP-20_Caenorhabditis_tropicalis_Csp11.Scaffold629.g13429.t1
peptide: Csp11.Scaffold629.g13429.t1
MMGSQSRIIVAFVLLSVLIAACFAAPPAVPSQELQNGSDNYPIFEDNLMELSNDDPEHEE
KRAVFRMGKRAMMRFGKRAVMRFGKRSVFRLG

>FLP-20_Diploscapter_coronatus_DCO_023826 peptide: DCO_023826
MLGPTTSSSKGFGPIDLCFVLIVLIAILGESDAMQVLYRNKKTGPLPEFDNIKAKSDDT
HKPLDEVNERTSYNLGDRYLDYDATALARPFIYPAEKRAMMRLGKRSPFRLGKRALMRL
G

>FLP-20_Diploscapter_pachys_WR25_21700.1 peptide: WR25_21700.1
MLGPTTSSIKGFGPIDLCFVLIVLIAILGESDAMQVLYRNKKTGPLPEFDNIKAKSDDT
HKPLDEVNERTSYNLGDRYLDYDATALARPFIYPVEKRAMMRLGKRSPFRLGKRALMRL
G

>FLP-20_Heligosomoides_polygyrus_HPBE_0001731601-mRNA-1 peptide:
HPBE_0001731601-mRNA-1
MVQMSTYARVFLTCFCYVILSSYVIALPDQYRSRPSLDNNLLSWRLSELPQSRILTSSAL
EKRAMMRLGKRVESGYGKRAIMRLGK

>FLP-20_Heterorhabditis_bacteriophora_Hba_13103 peptide: Hba_13103
MTEPGVSFSVHFDVSLKTARDMINLHLIVIFLHLLFISPIISANGTSLVTELPYWKENRFI
DCIFCIDYDNFKRISVSGCATSRPMTCKGNICFMRQHKSPQFFLYTSGCLNLTQSEFELI
AHGRSDVDIQAGGKGETLLCEVSRKTNTCLCSDQTRCNMTLPSPFSEFHSPSLLSRDL
FRELLHFRLFIPQEPVLRVTDVRQVLELLAYKYQILVQLIIHNGYEAYKTDNTSDTLHTI
IFMILL

>FLP-20_Mesorhabditis_belari_mbelari.g16224.t1 peptide:
mbelari.g16224.t1
MTLRWLGSLLSRWIFLFSISLFLISSQAFFPAYDAVLVEELSPQGVQYENLYMMPKRSPLR

LGKRGMLMRMGKRGMMRLG

>FLP-20_Micoletzky_japonica_MIJAPON000014964.t1 peptide:

MIJAPON000014964.t1

LQMQHVSQVFLVFLVPLLAVALLEPEGELGNYYRSYYDSEAAVAGPESSVEKRAPMRLGK

RAFIYKRAPMRLGKRAALRLGKRSFS

>FLP-20_Oscheius_tipulae_OTIPU.n0t.2.0.1.t00537 peptide:

OTIPU.n0t.2.0.1.t00537

MSGLLRTVCIFILLVLLNAFPRYGTSADLEIGNDYNSTEMYKSSEREEPTVHKRALMR

LGKRAMMRLGKRAMMRLG

>FLP-20_Parapristionchus_gibbindavisi_Parapristionchus-mkr-

S_103-0.3-mRNA-1 peptide: Parapristionchus-mkr-S_103-0.3-mRNA-1

MQVSWVLLFLCAISVIVSVQSEVIEDDSLSPRNYFGYGAQDDGQPWGAIKRAPMRMGK

RAAMRLGKRAPMRMGKRGPFRLGFYGTPTQMQRREMIRLLSQLGMNTYVYAPKDDVKHR

LQWRDRYNTTEAGELQSLIEYSKISGLDFIYALSPGIDIEYSNAKDITAVKGKLEQMKNI

GCEGFALLFDDIEYHLSDDDTSQYGTAPANAVAVVNDQCYTHLNSPTHFYFCPTEYCSTRG

KPSLLES DYLRITIGDRLHPGIEIFWTGPLVIPKLISDHSKAVAMVLKRKPLIWDNLYAN

DYDKRRLFLGPFQGRPQSLKSETSGILLNPNCQWELNYPATHTYAEWFNFEQSPVPVTES

SMDEDSNSSSSSSSYVGETALKSVLQGWLKDINVLIPNMPAPRPRLPTVELSLGSSPPGRP

DPCVTPITTISNITNAIKLTNDEGPSTSGSEGLVNNKEEPMDRSPSDESVDVSMVDSGRS

TSNFDNHLTFDQLLTSLHCYLLPFDHGERVKDILKGYMYCFREASLMATFKQPDVPLNT

EAIVDWLSYFSRVTEYIDHITCAFRFLHNNKALQIMGITVDLVKYASEAHGILAVMEGLL

HWIRDGNYSYVTEVRDLRWENDMYGEPWAVFHGFVEDVAYAILPITASAAALNRLLSHKSE

ETMLSALRIRQFKADDVSNYSSLRRTVSRDLNEDLLEMKNFFNRFYRPFLDFNPELCFVA

EELTPRNGEVPPTTTCGILNQLFYESYHNSIGDTMIDESAISSAWMPPLPQQSDIQHYT

SFIDLARCELDKDKASKRLIQMIAVVLSYQGSGTGLYTACSPCERDKVNLNLLSLQFTELN

STHMDQILLGILLTDIELNSSDEEEFNVDIDEETEPREKSVEETSKTSVE

>FLP-20_Pristionchus_arcanus_Pristionchus_arcanus-arcanus-mkr-

S_41-4.80-mRNA-1 peptide: arcanus-mkr-S_41-4.80-mRNA-1

MQFSLVLSVILLLATTVAEADYEPSQSRLGFGGYSNWAASAPARWIDADIIIEEKRAP

MRLGKRAAFRMGKRAPMRLGKRAPMRMGKRGPLRLGFYGTPTWSQSQRDLRLVLSNQLN

TYVYAPKDDVKHRKEWRDKYGTAAELQTLIEYAKSLNINFVYALSPGMDIEYSKVKDI

SAVKAKLEQLKSIGCESFALLFDDIEYKLSDADELQFGSPANAVAVVNDQCYTLNPSH

FYFCPTEYCSTRAKPTLQESDYLRITIGDRLHPGIEIFWTGPLVVPENISEDNCRAIGMVL

KRKPLIWDNLYANDYDTKRMFLGPFKGRTQSLKKECAGILLNPNCQFDLNRPAILSYTEW

YHAEEEGSDTDDSSMTTEPPNRFAPSTSYDRSMTKWIKEFLPFIPTRLRRTTENDFGSS

ESSQHTTFSQTTDLSPNEGVMVLEEDKPIEPMDRSPSCASDISMADSGRFTTILESAPM

TVAQLGALASCYLLPFEHGPIATDILNGILWMYRHANVMAPGYIEEVVRKRSAGNSNGS

DKNIEEIEKTRANWMIQHKVSDGIELIAGAFRTISANKDHNSDLVQYASDAYGVLVVVE

AVLEWIRQGHISELTEPRERRWTTPEYFGEPWHIFFSFVDNVAYSMLPLSHPHSLIFGHR

DTAPMSAVMHIRGLKSQYYADWQPSLRRTLDPDEVDSMESLDTYKEKYMKPFLEWSEKHC

FVAEEETMTGRVPIASICGVLNILDYEHHRKLEERMNSEEEDLTSPAWLPPLPTDPTV

LHFSSFMDIRVKDETDIHAARKRLIQTAVVLAIDGAVGLYTCLPSEKRVSLNLLSLNFI

ELSSTHTDQILLGIRLVIPDDDAFSEEEEGDDKEEDGERLLKEKSVEDRGDKDDY

>FLP-20_Pristionchus_entomophagus_entomophagus-mkr-S87-1.33-mRNA-1

peptide: entomophagus-mkr-S87-1.33-mRNA-1

MQFSLVLSALLLIATTITAVDYEPSQSRFAPAAYSNAASRASDPSAWIGNDDVIDEAQKR

APMRLGKRAAFRMGKRAAFRMGKRAPMRLGKRGLRLESHFTSIGMITTLIDICSMDAAM

EGHPLLPPSPKPFIRGIIIEGFYGAFTQSQRRDLRLTAQQGLNTYVYAPKDDVKHRKEW

REKYGTAAELQSLIEYAKSLNINFVYALSPGIDIEYSRVKDISAVKAKLEQLKSIGCE

SFALLFDDIEYQLSDADESQFGTPANAVAVVNDQCYTLNSPAHFYFCPTEYCSTRAKPT

LLES DYLRITIGDRLHPGVEIFWTGALVVPESISEDNCRAVSMVLKRKPLIWDNIYANDYD

TKRMFLGPFKGGRQSLKKECCGLLNPNQCQFDLNRPAILSYTEWFNAEEEGSDTDDSSMT

TDPPSSRFVPGHSFERAMTKWMKELFLPFIPTRIRLAEEVEFGSSGSSQLTTFSQATDSPN

EGSSEMIMEEPPKNEEPMDRSPSCGSDISMADSGRFTTIIESSPLTIAQLCALADCYLLP

FEHGQTANDILNGILWIGNSNGSDKNFEEIEKTRANWILQHQKITECIELISGAFRALCA
NKIHNPDVLVQYASDAYGVLIVVEAVLGWIREGHLSELTEPRERRWTKPEYFGEPWHL SFS
FVENIGYSMLPPSHLHSLVFGHRDVPMTAILSIRGLRREDTPLLSPLRRTVADDDVDSI
FSLET FVDKYRPF LDWSEKHCFLAEEETKTGKIPVASVCGVLNII EYHEHHNKLEADRM
SGEGELPSPPAWMPAIPTEPAIGQFSSFFDLRVKDESDIPAAKRLIQTLAVVMAYNGAVG
IYTCCLP SERDKVSLLLSLNFVELSSTHTDQILLGLRLVMPDVVVSEDEEESEQKEEDSE
REIKEKSVDERGDKDDY

>FLP-20_Pristionchus_exspectatus_exspectatus-mkr-S_5-4.4-mRNA-1
peptide: exspectatus-mkr-S_5-4.4-mRNA-1

MQFSLVLSVILVLAITVGAADYEPSQSRLAFGGYSNWASGASAPARWIDADIIIEEEKRAP
MRLGKRAAFRMGKRAPMRLGKRAPMRMGKRGPLRLG

>FLP-20_Pristionchus_fissidentatus_fissidentatus-mkr-S82-1.11-mRNA-1
peptide: fissidentatus-mkr-S82-1.11-mRNA-1

MNYIKQSYVHLADMQSYWLFITILALATLNAVMAEDYDVPSRLGLGSYSSNWGEKASDG
GRWILDDDDSTAPQKRAPMRMGKRAAFRLGKRAPMRMGKRAPMRMGKRGPLRLVDSALPP
SDPARHHLAMISSLHICNIDLASMQGCLLLRPPPKPFIKGIIIEGFY GAWPTQFQRRDLLR
TLAQRGLNTYVYAPKDDLKHKDWRDKYGT EEAELQSLIEYAKSLCIN FVYALSPGV DI
EYSKVKDIGAVKAKLGQLKSIGCESFALLFDDIEYKLSDADESQFGTPANAQVAVVND CY
THLNSPAHFYFCPTEYCSTRAKPTLLESDYLRTIGDRLHPGIEIFWTGPLVVP AIISDEN
ARSIAMVLKRKALIWDNLYANDYDTKRIFLGPFKGRS QSLKKECAGILLNPNCQFEVNIP
SIISYSDWLTTDEDGSDTDDSSMTIDQQSNRFIPSTSFERTMAKWLKDLVVP IPIPLRIRL
NEIDFNSSISSQQTYSLITDFSPNEANRELVRNNYIQT SKMILEEQRSLE EPMDRSPSC
DSDISMADSGRFTGIYEGSSLTNVQLCALAHCYLLPFEHGPTAHDILNGVLW MYRHASVM
SAGYVEEVVRKRSVSSGSNSSEKEEEAEKTRENWIKQHGKVADAI ELIAGAFR VIGANRIH
NPDVLVQYASDVYGV LIVVEAVMGWIK EGNLSELTEPRERRW SLDRFGEPWNVSAA FVDDV
AYAMLPPINPLTFIFGHRDREPINGMMTIRRTRRDDLQSMSGLRRTVPDDDIDSIFSTEI
FIEKYRPF LDWSEKHC FVAEDGMRMRKTPLASICGVPNIIDFYEH HNRIEAEKMNSDDE
CPSVPSWL PPLPTAPAVHHFTSFCDIRAKDEGDIHAAKRLIQTLAVV LAYEGSIGLYTCC
HPCEREKVSMLLSIGFVELNSTHTDQILLGLKFVPPDAHFTDDEDEEDIEEEMEKEAKEE
NVEDRGDQDDY

>FLP-20_Pristionchus_japonicus_japonicus-mkr-S181-1.52-mRNA-1
peptide: japonicus-mkr-S181-1.52-mRNA-1

MQFSLVLSLILVLATTITAADYEPSQSRLAIGGYSNWADGASVPRWIDADIIIEESKRAPM
RLGKRAAFRMGKRAPMRLGKRAPMRMGKRGPLRLGFYGT PWTQSQRDLLRVLAQQGLNT
YVYAPKDDVKHRKEWREKYGT EEAELQSLIEYSKSLDIN FVYALSPGMDIEYSKVKDIS
AVKTKLEQLKSIGCESFALLFDDIEYQLSDADES QFGTPANAQVAVVND CYTQLNSPAHF
YFCPTEYCSTRAKPTLQESDYLRTIGDRLHPGIEIFWTG PLVVPENISGDN CRAIGMVLK
RKPLIWDNLYANDYDTKRMFLGPFKGRGQSLKKECSGLLLNPNCQFDLNRPA ILSYTEWN
NADEESSDTDDSSMTTDP PANRFLPAPSYDRAMAKWMKELFLPFIPTRLRLTENDFGSSG
SSQHTTFSQETDLS PNEGVMILEEEKSVGEPMDRSPSCDSDISMADSGRFTTILESAPMT
IAQLCALASCYYLPFEHGKTATDILNGILWL YRHANVMAPGYIEEVVRKRNASGNSNGSD
KNIEELEKTRANWIMQHRKVTEAIDLIAGAFRTISANKDHNPDLVQYASDAYGVLVVVEA
VLAWIRQGHISELTEPRERRWTTPEFMGEPWHIFFSFVDNVAYSMLPPSHPHPLIFGHRD
TQPMNALMHIRGLRKEDVSNISSLRRTIAEDEIDSMSLVDAFPDKYMRPFLHWSEKHCFI
AEEETMSGRVPLASICGVNLVDYYEHHRKLEEDRMKSEEEELI APIAWLPPLPTDPTVL
HFSSFMDIRVKDETDIHA AKRLIQTLAVV LAYDGAVGLYTCCLPCEKEKVNLLLSLNFIE
LESTHTDQILLGLRLVIPDDTISVEEEEEEDNEEELERVRKETSVEDRRDKDDY

>FLP-20_Pristionchus_maxplancki_maxplancki-mkr-S8-7.76-mRNA-1
peptide: maxplancki-mkr-S8-7.76-mRNA-1

MQFSLVLSVILVLATAINAADYEPSQSRLAFGGYSNWAASAPDRWIDDKVIEEEKRAPMR
LGKRAAFRMGKRAPMRLGKRAPMRMGKRGPLRLGFYGT PWNQSQRRDLIRVLSQQGLNTY
VYAPKDDPKHRKEWREKYGT EEAELQTLIEYAKSLNIN FVYALSPGMDIEYSKVKDISA
VKAKLDQLKSIGCDSFALLFDDIEYKLSDADESQFGSPANAQVAVVND CYTQLNSPSHFY
FCPTEYCSNRAKPTLQESDYLRTIGDRLHPGIEIFWTG PLVVPENISEDNCRAIGMVLKR

KPLIWDNLYANDYDTKRMFLGPFKGRPQALKKECSGILLNPNCQFDLNRPAILSFTDWNN
 ADEEASDTHDDSSMTTDPASRFTSVPSYERAMAKWMKELFLPFIPTRLRLTENDFGSSGS
 SQQTTFSQATDLSPNEGVMILEDDEKEEPMDRSPSCASDISMADSGRFTTILESAPMTVAQ
 LALGSCYYLPFEHGQTATAILNGILWMYRHANVMAPGYIEEVARKRSASGNSNGSGKSV
 EESEKTRANWMIQHRNVSDGIDLIAGAFRTIGANRDHNADLVQYASDAYGVLVVVEAVLA
 WIRQGHISELTEPRERRWTTPEFFGEPWHIFFSFVDNVAYSMLPPSHPPSLIFGHRDTQP
 MSALLHIRGLRNEDVPNISLRRTIGDDENDSMESLDCMRDKYMRPFLEWSEKHCFAIEQE
 TMTGRMPLASICGVLNILDYIEHHRKLEEDRMKEEESLPAVAWLPLPTDPTVLHFSSFM
 DIRVKDETEIHAARKLIQTLAVVLAYEGAVGLYTCLPSEREKVSLLLNLNFEVLSSTHT
 DQILLGLRLVIPDDTFSEDEEDGEDNDDEKEKLKASREKSVEDRGDKDDY
 >FLP-20_Pristionchus_mayeri_mayeri-mkr-S241-2.21-mRNA-1 peptide:
 mayeri-mkr-S241-2.21-mRNA-1
 MMSFSLVLSFLFLLLAAVSAADYDSSPSRSLGAYWPSQSEFIIYDTFQTSEKKSLRWI
 DDDDVIEEDKRAPMRMGKRAAFRMGKRAPMRMGKRAPMRMGKRGPLRLGDDMEVLSLSVI
 EMTSYLDMLYSQAVMEESIMGPLLRPPSKPFIRGIIEGFYGPWTQAQRRDLLRTLSQQ
 GLNTYVYAPKDDVKHRKEWREKYGTEEAELQSLIEYAKSLDINFVYALSPGNDIEYSKV
 KDISAVKAKLEQLKSIGCESFALLFDDIEYQLSDADESQYGTANAQVAVVNDQYALNS
 PTHFYFCPTCYCSTRAKPTLLESDYLRTIGDRLHPGIEIFWTGPLVVPETISEDNCKAFN
 MVLKRKPLIWDNLFANDYDTKRAFLGPFRGRGQSLKKECAGILLNPNCQFDLNRPAILSY
 TEWYNAEEEEASDMDSSMTTDPNPNRFVPSISFERAMAKWIKELFLPFVPSRLRLNDIEF
 DSSGSSQNTNFSTDLSPNEGTVMLVEEPKSVVEEPMDRSPSCSDISMADSGRFTTIIDSG
 PLNHAQLCALASCYYLPFEHGQTANEILNGILWMYRHANVMAPGYIEEVRKRSASEGSTG
 SGKSFEGVEKTRANWMIQYEKTTEAIRLISGAFRALFANKIHNPDLVQYASDVYGVLVVA
 EAVLAWIKEGHLSELTEPRERRWTMPDYFGEPWHISFSFVDNVAYAMLPPSHPLVIFGH
 RDNEPMNALMSIRALKSGDRANLSTLRRTVAADDVDSMFSLTFVEKYLRPFWDSEKHC
 FLAEEETRNGRVPVASICGVLNIFEYDHHNKVEADRMGGQAEPSSPPAWLPPLPAESAG
 QQFSSFFDIRVKDEADLHVAKRLIQTIAVVMAYEGAVGLYTCHPCERGKVSLLLNLNFA
 ELSSTHTDQILLGLQLIVPDAPLSEDEEEENDENEDKSERENKETSVEERGDKDDY
 >FLP-20_Pristionchus_pacificus_PPA46569.1 peptide: PPA46569.1
 MQFSLVLSVILVLSTTVAADYEPSQSRLAFGGYSNWSGASGPDRWIDSDDVIDEEKR
 APMRLGKRAAFRMGKRAPMRLGKRAPMRMGKRGPLRLDDE
 >FLP-20_Ancylostoma_caninum FLP-20 predicted
 CFDFLHREGIVPMFVRINVFRFTFSRPATIEKRAMMRLGKRAMKNLEKRAMMRLGK
 >FLP-20_Ancylostoma_duodenale FLP-20 predicted
 CFDFPQRKGIVPMLVRNNAFRIFSRPTTIEKRAMMRLGKRALKNLEKRAMMRLGK
 >FLP-20_Caenorhabditis_sinica FLP-20 predicted
 CHQFVFREKRAVFRMGKRAMMRFGKRAVMRFGKRSVFRLG
 >FLP-20_Cylicostephanus_goldi FLP-20 predicted
 SQLPPKLENSHFSVSNNVFFFRPSTMEKRAMMRLGKRATMHFDKRAMMRLGK
 >FLP-20_Haemonchus_contortus FLP-20 predicted
 LFRHNVAVKRAMMRLGKRLETYHRKRAIMRLGK
 >FLP-20_Haemonchus_placei FLP-20 predicted
 SFRHNVAVKRAMMRLGKRLETYHHKRAIMRLGK
 >FLP-20_Heterorhabditis_bacteriophora FLP-20 predicted
 LGNEILLCISMDLVKYKSRIMFGSNEIYYRQPAIEKRAMMRLGKRAMMRLGK
 >FLP-20_Necator_americanus FLP-20 predicted
 LIPTLLGGVAIIALVNNICNFRPSIPEKRSIMRLGKRATIHYYHKRAMMRLGK
 >FLP-20_Nippostrongylus_brasiliensis FLP-20 predicted
 VIIFRSSAMEKRAMMRLGKRMLSQFDKRAIMRLGK
 >FLP-20_Strongylus_vulgaris FLP-20 predicted
 KVIPLLLKPLFRPSMIEKRAIMRLGKRATMEFNKRAMMRLGKXXXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXXXXXDILKTLFKIE
 >FLP-20_Teladorsagia_circumcincta FLP-20 predicted
 RLVNCLTKNGDARTELFKTDWVIVSLARISSTGQLVTQFNQMPFRSSAAAKRAMMRLGKRVM SHYQKR

AIMRLGK

>FLP-20_Bursaphelenchus_xylophilus_BXY_1046900.1 peptide:

BXY_1046900.1

MMISAYLLGWLLAFIGVFTQAADLRQNYPTYTDAVFGEQPADPSFLSRSPYSTLYYANDN

PQAQAPAQLLGAEAAIPGQKRAYMRLGKRAYMRLGKRADQLQEMMEKRARLRLG

>FLP-20_Panagrellus_redivivus_Pan_g14459.t1 peptide: Pan_g14459.t1

MIVRELVATMLAILLTMTVIDSALGLPLNDDLSLYDDVYESPRQVESDFFTPEKRALMRL

GKRAYMRLGKRTSYFLPSKRAPLRLG

>FLP-20_Parastrongyloides_trichosuri_PTRK_0000469800.1 peptide:

Ptrk_0000469800.1

MLFKLGAVLLILIIINAPGIHSQQNGYQLQSKTLNQDAYDLEYPIYKSSYDDYISDINK

RAYVRLAGKRALVRLGKRAYVRLGKRRELPEIF

>FLP-20_Rhabditophanes.sp.KR3021_RSKR_0000788550.1 peptide:

RSKR_0000788550.1

MYTNEHIKQNIKPEDSSYLLYANQRNPDVRQESYQKRAYLRLGKRALLRLGKRAYIRLVG

GQNYNSVVTMDLITKEIKIAGQLLNGRKSHTSSRIDNHAYIWGGYCCKKIERYDVHTNK

TQEIKCRLDNVIDSLSSVVHDSKLFQIGGFSCCKTIDTVKYLD FEKCAFINESKLIVPDM

WHDSIVIDSNIYTTPGAYCKNIQRRDLRERNWQLMRKVIPNKTYRNAVCSLGQTNIVCIG

GWNLDSVYSDCFVFDIRADDWRQIEPLPKALKAAQACETTKEIIVFGGIQSDHTYDSCI

NEILCYDKNENTWTKLDQNLFPNGWSTKVTF

>FLP-20_Steinernema_carpocapsae_L596_g14227.t1 peptide:

L596_g14227.t1

MIFASLLAMILLCLQTLVYGYPHSPQSDALQSYGDYYSPLFGDNGENMEKRAMMRLGK

RAMMRLGKRSEFYAYEKRAPLRLG

>FLP-20_Steinernema_glaseri_L893_g32181.t1 peptide: L893_g32181.t1

MIIASLISLSILCLYAFVAGFPQVAQPELVPQLYGDYFMPQELTDYSENLEKRAMMRLG

KRAMMRLGKRSDSKHQKRAPFRLG

>FLP-20_Steinernema_monticolum_L898_g10355.t1 peptide:

L898_g10355.t1

MIFAAILSLFLVCLQTLVNGFPHVPQSEIGLQSYNDYFSPMEFNVNSENVLKRAMMRLG

KRAMMRLGKRSEYFKYKRAPLRLG

>FLP-20_Steinernema_scapterisci_L892_g28894.t1 peptide:

L892_g28894.t1

MIFASLIAVILLCLQTLAQGYPHSPQSDLVQLSYGDYYSPLFGDNAENVEKRAMMRLGK

RAMMRLGKRSEFYAYEKRAPLRLG

>FLP-20_Strongyloides_papillosus_SPAL_0001260100.1 peptide:

SPAL_0001260100.1

MFAKVFITLIIFVVVINVSQFQSQSRDQFLSKFAVDPDNDLQLNPYSNHYYGPMSEFKK

RAYVRLAGKRALVRLGKRAYVRLGKRDNQIPYIF

>FLP-20_Strongyloides_ratti_SRAE_X000178200.1 peptide:

SRAE_X000178200.1

MFLKVFLTITFVIVFYVSGYQLQSTNDQFLSKNIILDNFVSQNL PYNHIYTEQNPKYNK

RAYVRLAGKRALVRLGKRAYVRLGKKNYLLPFDS

>FLP-20_Strongyloides_stercoralis_SSTP_0000265900.1 peptide:

SSTP_0000265900.1

MLPKIFITLITFVTIIYVTGFQLQPTNDQFLSGNLISDDLVLQDYPNVNIYNEQNPDIRK

RAYVRLAGKRALVRLGKRAVRLGKRNYLLPY

>FLP-20_Strongyloides_venezuelensis_SVE_0825600.1 peptide:

SVE_0825600.1

MKYSFFRFILKYNCHITTMFAKVFITLIIFVVVINVSQFQSQSRDVQFISKFVTPDNDL

QLNPYSHYYGPMSEFKKRAYVRLAGKRALVRLGKRAYVRLGKRDNQIPYIF

>FLP-20_Halicephalobus_mephisto FLP-20 predicted

GSSSLFFSLRLPYRALLVESSKIKVILQLRLIYGYFSDPTLYDDFIDLQSLDEQPVLDKRAYMRLGKR

AYMRLGKRAYLRLGKRAPLRLG

>FLP-20_Steinernema_feltiae FLP-20 predicted
 IGLFFXXXVENSESPLEKR
 AMMRLGKRMMRLGKRSHFFRYDKRAPLRLG

>FLP-20_Acrobelloides_nanus FLP-20 predicted
 NFLALRSLSDSWTSFDTPSNLRYALYPVEDEASVSSNIDKRRFLHYIQKRMMRLGKRSPMRMGKR
 APLRLGRK

>FLP-20_Ditylenchus_destructor_Dd_01980 peptide: Dd_01980
 MSQILWNTLLFVLFTMCHADFTGLTYDESRSPDEQQRPLTWVEQNVRRHPTHPRALLID
 DGREAILIPDAGRFRVTSDPTRFIDSSMLQWVTKPKRALMRLGKRAPMRLG

>FLP-20_Globodera_pallida_GPLIN_000095700 peptide: GPLIN_000095700
 MTRRRMLSFSNLLPFFLLPLLSLFQASDSFSPGVFGLLQLNDQIRPPSLSTYAKLSLE
 EPWMFVRPTQQRFGDRTRSYLWHKRAMAQVGKRALMRLG

>FLP-20_Globodera_rostochiensis_GROS_g04943.t1 peptide:
 GROS_g04943.t1
 MSTTRRRMLSFSNLLPFFFLPLLSLFQASDSFSPGVFGLLQLNDQIRPPPLSTYAK
 LSLEEPWMFVRPTQHRFGARTSYLWHKRAMVQLGKRALMRLG

>FLP-20_Heterodera_glycines_Hetgly.G000000503 peptide:
 Hetgly.G000000503
 MRFPRGVFSLLYCFNSSSLLPFLPFPLIFCLLQTCDSFPAPGVFGLLQLNDQIRPPPIS
 SYAKLPFDEPWFVPTHRFNDRTHLWHKRAMMRLGKRALMRLG

>FLP-20_Meloidogyne_arenaria_M.Arenaria_Scaff2050g029612 peptide:
 M.Arenaria_Scaff2050g029612
 MTNQRISCTQILLVFHCLSLILFYANSQPIMFAAPT FVKMSNGVIWPSLLLRPTDIDNEN
 IFSQNPQEFVKVATPRKRAIMRLGKRALMRLGKK

>FLP-20_Meloidogyne_incognita_Minc3s04733g36903 peptide:
 Minc3s04733g36903
 MSNGVIWPSLLLRPTDMDTENIFSQNPQEFVKVAAPRKRAIMRLGKRALMRLGKK

>FLP-20_Meloidogyne_javanica_M.Javanica_Scaff923g011230 peptide:
 M.Javanica_Scaff923g011230
 MTNQRISCTQTLVFYCLSFILFYANSQPIMFAAPT FVKMSNGVIWPSLLLRPTDMDTEN
 IFSQNPQEFVKVAAPRKRAIMRLGKRALMRLGKK

>FLP-20_Meloidogyne_floridensis_maker-nMf.1.1.scaf21123-augustus-
 gene-0.3-mRNA-1 peptide: maker-nMf.1.1.scaf21123-augustus-gene-0.3-
 mRNA-1
 MTNQRISCTQILLVFHCLSLILFYANSQPIMFAAPT FVKMSNGVIWPSLLLRPTDIDNEN
 IFSQNPQEFVKVATPRKRAIMRLGKRALMRLGKK

>FLP-20_Meloidogyne_enterolobii FLP-20 predicted
 KFFSRYFSHFSSQNPQEFVKVATPRKRAIMRLGKRALMRLGKK

>FLP-20_Meloidogyne_graminicola FLP-20 predicted
 IFFKLIIFSQNSPEIAEIATPRKRALMRLGKRALMRLGKK

>FLP-20_Meloidogyne_hapla FLP-20 predicted
 VVVLFGHLYCCVHQSWIQTTFIGNSVNFFLFFPILHTFLISSQNPEEIVQVATPRKRAIMRLGKRALM
 RLGKK

>FLP-21_Plectus_sambesii_PSAMB.scaffold601size46076.g7362.t1
 peptide: PSAMB.scaffold601size46076.g7362.t1
 MSSLTITLLAFTVALCAIGVPLSAAQASNIENYDD SARLNQEALRTAILGRYYLDKLNEM
 AGNDYLD SWLSTLKAQQQEGSSQAKRGLGPRPLRFG

>FLP-21_Ascaris_lumbricoides_ALUE_0001383801-mRNA-1 peptide:
 ALUE_0001383801-mRNA-1
 MSPFKRASAMRTVCTTFVIVPLLLVAIFGCISSALPSSDADVVRRLRVSTGAEQIFRMLI
 SPICWKNRGS MKRGLGPRPLRFG

>FLP-21_Brugia_malayi_Bm17770.1 peptide: Bm17770.1
 MNLIVLSILLITLFQQQYFAQVAPPNDLFYEFMNPYMNSLRSPDVNILLSSYADERSWKRA
 LGPRPLRFG

>FLP-21_Brugia_pahangi_BPAG_0000487201-mRNA-1 peptide:
BPAG_0000487201-mRNA-1
FRNIFFSKTCVFFFTELFVSSIFIVTFSVLQTTDESSTQYPTYAVPPTIFHPSSTS
SFRWIHLFQPTIICILVLLVFSVNPYMNSLRSPDVNLSYADERSWKRALGPRPLRFG

>FLP-21_Dracunculus_medinensis_DME_0000042501-mRNA-1 peptide:
DME_0000042501-mRNA-1
MFAIVLSLLAFMIATHGASLSQNSDLDDAASRFLARYLTQLYSDPDGQNMPIIDEARLKK
NGLGLRPLRFG

>FLP-21_Litomosoides_sigmodontis_nLs.2.1.2.t01192-RA peptide:
nLs.2.1.2.t01192-RA
MNLTVFSILLVALLQQCFAQGALPNEIFYEFMNPYMNSLRSPDANILSAYAEDRSWKRA
LGPRPLRFG

>FLP-21_Loa_loa_EF025334.1 peptide: EF025334.1
MDDEKMLSAFHRDFEILSSKARNVFSFIEQLCAPICVITFSVLKISGDESQVHSTYRA
IPATLFRMNPYMNSLRSPDVNLSYADERSWKRALGPRPLRFG

>FLP-21_Onchocerca_volvulus_OVOC7056.1 peptide: OVOC7056.1
MNLIIISILLIALFQQQYFAQIAPPNDLFYEFMNPYMNSLRSSDVNMLSSYADDRSWKRA
PGPRPLRFG

>FLP-21_Acanthocheilonema_viteae FLP-21 predicted
KNIDCFRSWKRALGPRPLRFG

>FLP-21_Anisakis_simplex FLP-21 predicted
GXFNFRSMKRGLGPRPLRFG

>FLP-21_Ascaris_suum FLP-21 predicted
RDSALVAHEYRNYRSMKRGLGPRPLRFG

>FLP-21_Brugia_timori FLP-21 predicted
VKFDLKNALHFRSWKRALGPRPLRFG

>FLP-21_Dirofilaria_immitis FLP-21 predicted
QYLDFRSWKRARGPRPLRFG

>FLP-21_Elaeophora_elaphi FLP-21 predicted
EIQFKKKSVMHYFRSWKRALGPRPLRFG

>FLP-21_Gongylonema_pulchrum FLP-21 predicted
SYCRQHFRSWKRALGPRPLRFG

>FLP-21_Onchocerca_flexuosa FLP-21 predicted
CKERFKKIQIRFIEYRNFRSWKRAPGPRPLRFG

>FLP-21_Onchocerca_ochengi FLP-21 predicted
KYHNFRSWKRAPGPRPLRFG

>FLP-21_Parascaaris_equorum FLP-21 predicted
YENKKGSKILLNSFSISAALVPHEYRDYRTMKRGLGPRPLRFG

>FLP-21_Parascaaris_univalens FLP-21 predicted
YENKKGSKILLNSFSISAALVPHEYRDYRTMKRGLGPRPLRFG

>FLP-21_Thelazia_callipaeda FLP-21 predicted
KLITRNHIYRSWKRALRPRPLRFG

>FLP-21-Toxocara_canis FLP-21 predicted
CTYLIYRYFRSVKRGLGPRPLRFG

>FLP-21_Wuchereria_bancrofti FLP-21 predicted
KSKMEKKEKVKFDLKNALHFRSWKRALGPRPLRFG

>FLP-21_Ancylostoma_caninum_ANCCAN_04793 peptide: ANCCAN_04793
MRVSGFLVFIACIIAWAFAAPVSDTEAAYRILNKYLQRFGGDDLQDVYLVGDHG

>FLP-21_Ancylostoma_ceylanicum_Acey_s0099.g3158.t1 peptide:
Acey_s0099.g3158.t1
MRVSGFLVFIACIIAWAFAAPVSDTEAAYRILNKYLQRFGGDDLQDVYLVGDHGSIKRGL
GPRPLRFG

>FLP-21_Angiostrongylus_costaricensis_ACOC_0001281501-mRNA-1
peptide: ACOC_0001281501-mRNA-1

MRICGSIVFIVCVVAFAAPVSDAEAAAYRILNQYLQRFDPEDLQDMYFISDHGSDKRGL
 GPRPLRFG
 >FLP-21_Caenorhabditis_angaria_Cang_2012_03_13_00318.g9100.t1
 peptide: Cang_2012_03_13_00318.g9100.t1
 MRFLVILFACILAWVLAAPSVIDREEDAFRLNNYLQKYGPDENYIYLMDHGSAKRGLGP
 RPLRXXXK
 >FLP-21_Caenorhabditis_brenneri_CBN03252.1 peptide: CBN03252.1
 MRLFILLSCLLAWVLAAPYIDQEDALRVLNAYLEQFGPGGDKVYYYVAEDDHGSMKRGLG
 PRPLRFG
 >FLP-21_Caenorhabditis_briggsae_CBG20591a.1 peptide: CBG20591a.1
 MRLFILLSCLLAWVLAAPYIDQEDALRVLNAYLEQFGPAAEKVYYYVAEDDHGSIKRGLGP
 RPLRFG
 >FLP-21_C26F1.10.1 peptide: C26F1.10.1
 MRLFILLSCLLAWVLAAPYIDQEDALRVLNAYLEQFGPGSDRVYYYVAEDDHGSMKRGLGP
 RPLRFG
 >FLP-21_Caenorhabditis_inopinata_Sp34__50086910.t1 peptide:
 Sp34_50086910.t1
 MRLFILFSCLLAWVLAAPYVDQEDALRVLNAYLEQFGPGADKIYYEAGDHGSMKRGLGPR
 PLRFG
 >FLP-21_Caenorhabditis_japonica_CJA00820.1 peptide: CJA00820.1
 MRLFVILLSCLLAWVLAAPLVDQEDAFRILNTYLQFGPDDNRNAYYVLNDDHGSMKRGLG
 PRPLRFG
 >FLP-21_Caenorhabditis_latens_FL83_22388 peptide: FL83_22388
 MFQTMRLFILLSCLLAWVLAAPYIDQEDALRVLNAYLEQFGPGADKVYYYVAEDDHGFRSM
 KRGLGPRPLRFG
 >FLP-21_Caenorhabditis_nigoni_Cni-flp-21 peptide: Cni-flp-21
 MRLFILLSCLLAWVLAAPYIDQEDALHVLNAYLEQFGPAAEKVYYYVAEDDHGLVLVKSRA
 IEGFAEGIWHFGGFIGL
 >FLP-21_Caenorhabditis_remanei_CRE18947.1 peptide: CRE18947.1
 MRLFILLSCLLAWVLAAPYIDQEDALRVLNAYLEQFGPGADKVYYYVAEDDHGSMKRGLGP
 RPLRFG
 >FLP-21_Dictyocaulus_viviparus_DICVIV_02218 peptide: DICVIV_02218
 MRISGFIVFITCIVAWTFAAPVSDIEAAAYRILNKYLERFGSDELQNAYLIRDNG
 >FLP-21_Diploscapter_coronatus_DC0_025274 peptide: DC0_025274
 MRSSCRFLVALLAFFLSWVASLPLSDNEAAQLFGRYLQRFSGSEPSGYYYEHESNKRGLG
 PRPLRFG
 >FLP-21_Haemonchus_contortus_HCON_00158810-00001 peptide:
 HCON_00158810-00001
 MRVSGFLVFLACIVAWAFATPVSDTEAAAYRILNKYLQRFPGDDLQDVYLYGDHGSNKRGL
 GPRPLRFG
 >FLP-21_Haemonchus_placeii_HPLM_0001769801-mRNA-1 peptide:
 HPLM_0001769801-mRNA-1
 MRVSGFLVFLACIVAWAFATPVSDTEAAAYRILNKYLQRFPGDDLQDVYLYGDHGSNKRGL
 GPRPLRFG
 >FLP-21_Heligosomoides_polygyrus_HP0L_0000400701-mRNA-1 peptide:
 HP0L_0000400701-mRNA-1
 MRISGFIVFIACIVAWAFAAPVSDTEAAFRILNKYLQRFGGDDLQDVYLVGEHGSNKRGL
 GPRPLRFG
 >FLP-21_Nippostrongylus_brasiliensis_NBR_0000622101-mRNA-1 peptide:
 NBR_0000622101-mRNA-1
 MEERSRAVSETPSAINPLDIAESPKPYLILMRISGIIIVFLACIIAWAFAAPVSDTEAAAY
 RILNKYLQRFSGDDLQDVYLIGDHGSAPFIMRPPTASTSDYSYNHAFGLA
 >FLP-21_Oesophagostomum_dentatum_OESDEN_18901 peptide: OESDEN_18901
 MRVSGFLVFIACIIAWAFATPVSDTETAYRILNKYLQRFPGDDLQDVYLVGDHG

>FLP-21_Oscheius_tipulae_OTIPU.n0t.2.0.1.t10058 peptide:
OTIPU.n0t.2.0.1.t10058
MRATSVLLFFACLVACALAVPVSDTEAAFRILNKYLSRFNNDLQELYYGADHGSIKRGL
GPRPLRFG

>FLP-21_Strongylus_vulgaris_SVUK_0001260801-mRNA-1 peptide:
SVUK_0001260801-mRNA-1
MSTRDLLILKGMRVSGFLVFIACIIAWAFASPVSDEAAYRILNKYLQRFGGDDLQDVYL
VGDHGIVVEHEHMSGFLMSL

>FLP-21_Ancylostoma_duodenale FLP-21 predicted
SPMNSYQCPLMLEGGGGRELFTPTFPVCIYIFATQVQALDASRLPRVNASIRVLTVGKATAGSCG
VFTCLPLAIPMMHGASVGRIFRKFSKIHDRSIRKGLGPRPLRFG

>FLP-21_Angiostrongylus_cantonensis FLP-21 predicted
RLAHADLLWTLSDVWVSVNIYSSCNRFNFLNLSHCRSDKRGLGPRPLRFG

>FLP-21_Caenorhabditis_sinica FLP-21 predicted
AVVQRSVGGRSVCERLLSINTYYKNNNPGHSEFFNLRFSPCYSFMSMKRGLGPRPLRFG

>FLP-21_Caenorhabditis_tropicalis FLP-21 predicted
TIFYSILISFFRSMKRGLGPRPLRFG

>FLP-21_Cylicostephanus_goldi FLP-21 predicted
RHLEKSSFCEIWKVLMHFLKTHDFTATLCFHFSIRKGLGPRPLRFG

>FLP-21_Diploscapter_pachys FLP-21 predicted
TNRVSFRSNKRGLGPRPLRFG

>FLP-21_Heterorhabditis_bacteriophora FLP-21 predicted
AKQCDDSIKFRSIRKGLGPRPLRFG

>FLP-21_Mesorhabditis_belari FLP-21 predicted
AMNQIIGTKHNKAQQTRALLENIVTSIFRSNNKRGHGPRPLRFG

>FLP-21_Necator_americanus FLP-21 predicted
IDVGTSPHLSTLVLSIELLRKFTNFRSYKRGGLGPRPLRFG

>FLP-21_Teladorsagia_circumcincta FLP-21 predicted
TCFRSNKRGLGPRPLRFG

>FLP-21_Bursaphelenchus_xylophilus_BXY_0389500.1 peptide:
BXY_0389500.1
MRTDALLKVAIFLFLAILAQLGQAGPILESTNDLTALKMLRNYMERYGEPDGDVGYVVLD
DMRSNKRGMGPRPLRFG

>FLP-21_Halicephalobus_mephisto_MSTRG.13615.1.p1 peptide:
MSTRG.13615.1.p1
VTLHDFVEFAFLRKLLVTQKLLLTCKDIITSQDTRETLETMALVCRTQLYPLFLVILATLI
LLMQASEAAPVSDSANAYRILSSYMRQFNDPELDAAGYIVFDDKSSIKRALGPRPLRFG

>FLP-21_Panagrellus_redivivus_Pan_g12093.t1 peptide: Pan_g12093.t1
MSSVASSRFTTLIVATLIAAIALAVVVPYSEAAPTSDAANAYRILSNYMKQFDDRELD
AGYIVFDDKSSIKRALGPRPLRFG

>FLP-21_Parastrostrongyloides_trichosuri_PTRK_0000369900.1 peptide:
PTRK_0000369900.1
MVKRFVSCFLIGMIILISARNINSSSLEGNGNILLKQYREVPGDEYETRPFYNGYLIE
NVDPRISYKRAVGPRPLRFG

>FLP-21_Steinernema_carpocapsae_L596_g19959.t1 peptide:
L596_g19959.t1
MVAVVRLLLAFLVLFSVVFAPARSAPTSVDDQQYRLLSRYLSQFNAPEYDPSGYMYFDQ
RSMKRGLGPRPLRFG

>FLP-21_Steinernema_feltiae_L889_g32029.t1 peptide: L889_g32029.t1
MGDYKGAAIRQLKLFVRVNYAMVAFVRLLLAVFFLLVSVFAIPSLSVPTSDSDQYQLLSR
YLAQYNTFPDLDDGYNMYAEPRSIKRGGLGPRPLRFG

>FLP-21_Steinernema_glaseri_L893_g17088.t1 peptide: L893_g17088.t1
MVAVVRLLLAVFFVLVSVLAMPSLAAPISDAEQYRLLSRYMNQYNAPEFDLNGLLFADQ
RSIKRGGLGPRPLRFG

>FLP-21_Steinernema_monticolum_L898_g16109.t1 peptide:
L898_g16109.t1
MVAIVRFLAVFFVLVSICSVP SLSAPTS DSEQYRLLSRYLNQFNTPFELDGYGMYAEP
HSIKRGLGPRPLRFG

>FLP-21_Steinernema_scapterisci_L892_g23780.t1 peptide:
L892_g23780.t1
MVAIVRLLLAFLVLVSVFAIPARSAPTSVDDQYRLLSRYLSQFNAPEYDPSGYMVLDQ
RSMKRG LGPRPLRFG

>FLP-21_Strongyloides_papillosus_SPAL_0000319300.1 peptide:
SPAL_0000319300.1
MAKYFLSCLCLIGAIILLSSHCI STIPIDDSGN FLIRQLRDFPVEEFDGRPIYYNGYLIE
NPDSRISFKRAVGPRPLRFG

>FLP-21_Strongyloides_ratti_SRAE_2000441800.1 peptide:
SRAE_2000441800.1
MVKYFSSCLCLIGAIILLSSHYTNTIPIENSENYFIRQLRDFPVEEFDGRPIYYNGYLIE
NTDPRISLKRAVGPRPLRFG

>FLP-21_Strongyloides_stercoralis_SSTP_0000420600.1 peptide:
SSTP_0000420600.1
MVKYFPYCLCLIGIIILLSSNYTYTIPIDNNENYFIRQLREFPVEEFVGRPIYYDGYFIE
NADPRISFKRAVGPRPLRFG

>FLP-21_Strongyloides_venezuelensis_SVE_1580900.1 peptide:
SVE_1580900.1
MAKYFLSCLCLIGVILLSSHCI STIPIDDSGN FLIRQLREFPVEEFDGRPIYYNGYLIE
NPDSRISFKRAVGPRPLRFG

>FLP-21_Acrobelloides_nanus_ACRNAN_scaffold2000.g28499.t1 peptide:
ACRNAN_scaffold2000.g28499.t1
MMSLKWILSLFVILGISIRAF AAPP S DSENAYRILSNYVNR FNEPEFNFDGFLFADGRSM
KRGLGPRPLRFG

>FLP-21_Ditylenchus_destructor_Dd_00458 peptide: Dd_00458
MRNSAKVMQTL PNNEDDLTAIQSNRQKASF AFAIPVSSILIIAMICLLLT FSSANAAPT
GTDITSSEEMRSYLSIDQLPSPYELAHLDIAGSSDGGTSGYV IIEDLKSNKRGLGMGPR
PLRFG

>FLP-21_Globodera_rostochiensis_GROS_g00870.t1 peptide:
GROS_g00870.t1
MYVTGLIWTLYPLLGF FAVLEFTVGLAHVFLCLPFAHFYLSFWSGISAAITSVYALLLDY
PNKCELLLQFVS AFAFGLSFTALIENVCIRKVHLSTDQLSFCAGLLNRTATKQM QCDRI
LGHLQMHL LQKFSSEPVEQSLHSVRLFVSSLISFCAIAQFFSGLIVLLLSTI HSHYCAPM
FFTNI VPLVGLYSLIFALFPRVSPNSRFAFRQFLAIVGVALATALASICSFSFFCWANRQ
NRTIGLLPYRTKSEGILLDLRRGNEGDGFGVLRFCRMPERTYEH CERVLD FSFPYLDWPM
EQVENEKAVVRIVLHSLLSVCAIGLVSLFMSDAF*KCQTFRMSDRIVPLLLGLSVFVLS
VALPAPSLQQMPKIRTVFGRIGEILPAGAPSESQIAETPFNTLVNYEEQLNDWNGGGEQP
PASYFLFPEVKRQINSKRGS LGPRPLRFGRR

>FLP-21_Ditylenchus_dipsaci FLP-21 predicted
VMFLVKNYLMNLERLQVP HEDTDYANGYVIIDDLKYVFYSTFHTKLN FSLKICCRSNKRGLGPRPLRF
G

>FLP-22_Plectus_sambesii_PSAMB.scaffold844size40337.g9100.t1
peptide: PSAMB.scaffold844size40337.g9100.t1
MVSMRCKSGLTMLAVVCLLLAVTVRAQPVATDDADVMAEYSPDALSREGRAASGMKWMRF
GKRAQQVKWMRFGKRAQNVKWMRFGKRDGDSQIDSEQQ

>FLP-22_Anisakis_simplex_ASIM_0001017501-mRNA-1 peptide:
ASIM_0001017501-mRNA-1
MTDMDDMNRAIRASNMKWMRFGKRSPSVKWMRFGKRAPNVKWMRFGKRSSSPSSSSRLVD
NFDEFEQ

>FLP-22_Ascaris_lumbricoides_ALUE_0000551301-mRNA-1 peptide:

ALUE_0000551301-mRNA-1
 MCCC5QRGQVDTMDGSHITLLLSLLVAFVLVATSAQPPLYDGT EERNPTLQQQSGDISDSH
 VYSVMSRTVVTGNLVEYSWCGFLPATDDMNRAIRASNMKWMRFGKRSPNVKWMRFGKRAP
 NMKWMRFGKRSPSMEGTVDQFEQ
 >FLP-22_Ascaris_suum_GS_20131 peptide: GS_20131
 MDGSHITLLLSLLVAFVLVATSAQPPLYDGTEDDMNRAIRASNMKWMRFGKRSPNVKWMRF
 GKRAPNMKWMRFGKRSPSMEGTVDQFEQ
 >FLP-22_Brugia_malayi_Bm3942.1 peptide: Bm3942.1
 MNFSQSKIIFALFIASAFILTSSMHLDP LIATSDNDDDDFIRTLRV PNAKWMRFGKRLP
 NAKWMRFGKRAQTAKWMRFGKRND DFYDY
 >FLP-22_Brugia_pahangi_BPAG_0001069401-mRNA-1 peptide:
 BPAG_0001069401-mRNA-1
 MNFSQSKIIFALFIASAFILTSSMHLDP LIATSDNDDDDFIRTLRV PNAKWMRFGKRLP
 NAKWMRFGKRAQTAKWMRFGKRND DFYDYQ
 >FLP-22_Dirofilaria_immitis_nDi.2.2.2.t06146 peptide:
 nDi.2.2.2.t06146
 MQLNESKLIITLFIASMALILTASMDVNPLIVASDNDYDFIRNL RTPNIKWMRFGKRLPN
 TKWMRFGKRVPTAKWMRFGKRND DFYDSQ
 >FLP-22_Dracunculus_medinensis_DME_0000592101-mRNA-1 peptide:
 DME_0000592101-mRNA-1
 MDTIRDGALLKFEGVTDDLERNHRTSGVKWMRFGKRSPSVKWMRFGKRAPNVKWMRFGRS
 DLAMD NQEGNDS
 >FLP-22_Elaeophora_elaphi_EEL_0000990001-mRNA-1 peptide:
 EEL_0000990001-mRNA-1
 MRSLRAPNTKWMRFGKRLPNAKWMRFGKRAPTAKWMRFGKRND DFYDSQ
 >FLP-22_Litomosoides_sigmodontis_nLs.2.1.2.t04942-RA peptide:
 nLs.2.1.2.t04942-RA
 MQQITDANSRNP NHFPFEKCRKRWCTKTEMKLFSESTIIFAFFTASMI FVIASSVRVEP
 LLVAADNDDDFIRSLRTPNTKWMRFGKRLPNAKWMRFGKR MENAKWMRFGQRND DFYDSQ
 >FLP-22_Loa_loa_EF022085.1 peptide: EF022085.1
 MKFSRLEIIIIALLITSATSVLTTSVGANPLLDVLDYDDDFIRNVRTGNVKWMLGKRLPD
 HKWMHSGRKRAQNVKWMKFGKQNDNFYDYQ
 >FLP-22_Onchocerca_ochengi_OOCN_0000580801-mRNA-1 peptide:
 OOCN_0000580801-mRNA-1
 MAFILAASMNVPNSLVAMDNDDDLHRNLRTVNTKWMRFGKRLPNTKWMRFGKRAQTTKWM
 RFGKRND DFYDSQ
 >FLP-22_Onchocerca_volvulus_OVOC176.1 peptide: OVOC176.1
 LFIVSMAFILAASMNVPNSLVAMDNDDDLHRNLRTVNTKWMRFGKRLPNTKWMRFGKRAQ
 TTKWMRFGKRND DFYDSQ
 >FLP-22_Parasca ris_equorum_PEQ_0001370401-mRNA-1 peptide:
 PEQ_0001370401-mRNA-1
 MDGSHITLLLSLLVALLVATSAQPPLYDDGT EGIAEKNC FQDDMNRAIRASNVKWMRFGK
 RSPNVKWMRFGKRASNMKWMRFGKRSPSMEGT VNQFDQ
 >FLP-22_Parasca ris_univalens_PgR035X_g025_t01 peptide:
 PgR035X_g025_t01
 MDGSHITLLLSLLVALLVATSAQPPLYDDGTEDDMNRAIRASNVKWMRFGKRSPNVKWMR
 FGKRASNMKWMRFGKRSPSMEGT VNQFDQ
 >FLP-22_Thelazia_callipaeda_TCLT_0000461301-mRNA-1 peptide:
 TCLT_0000461301-mRNA-1
 MVALLVFTFTAPTTAQSSIAMDTDGDDDEF LREL RAPNAKWMRFGKRTPNAKWMRFGKRR
 PNAKWMRFGKRND DFYDIQ
 >FLP-22-Toxocara_canis_TCNE_0001211201-mRNA-1 peptide:
 TCNE_0001211201-mRNA-1
 MNGAHITFLLSLLVALLVATSAQPFLNDGVDDDMNRVLRGSNMKWMRFGKRSPNVKWMRF

GKRAPNVKWMRFGKRFSPIEGIDELEQ
>FLP-22_Wuchereria_bancrofti_WBA_0000952901-mRNA-1 peptide:
WBA_0000952901-mRNA-1
MKFSQSKIIFALFIASAAFILTSSMHLDPVATPDNDDDFTRTLNVPNAKWMRFGKRLP
NAKWMRFGKRAQTAKWMRFGKRDDDFYDYQ
>FLP-22_Acanthocheilonema_viteae FLP-22 predicted
NCKIKLKLFDYFTKNLHTPNTKWMRFGKRLPNAKWMRFGKKAPTAKWMRFGKRNDDFYDSE
>FLP-22_Gongylonema_pulchrum FLP-22 predicted
NNKLATFALTNNFVFQDEFVRYLRAPNAKWMRFGKRAPNAKWMRFGKRAPNAKWMRFGKRSDEFYDS
Q
>FLP-22_Onchocerca_flexuosa
DDLRRNLRAVGTKWMRFGKRLPNTKWMRFGKRAQTTKWMRFGKRSDDFYDSQ
>FLP-22_Ancylostoma_caninum_ANCCAN_09946 peptide: ANCCAN_09946
MVTSGTREENVDFSAILLATNSLGQSLQPPYHYFGRRETQPAHISYYSWIFRRLSKGQRS
LNISWGTVPDFFYDAYNNFFGSKNAPSFKRTPSAKWMRFGKRSNAKWMRFGKRSPEAKW
MRFGKRSYEFEGDDDL
>FLP-22_Ancylostoma_ceylanicum_Acey_s0011.g1541.t2 peptide:
Acey_s0011.g1541.t2
MQRLVALVLVCLLAVACTAQDVVEDLPVVRARSLNISWGTLPQFFHSAYSIFIGNKNAPS
FKRTPSAKWMRFGKRSNAKWMRFGKRSPEAKWMRFGKRSYEFEGDDDL
>FLP-22_Ancylostoma_duodenale_ANCDUO_16283 peptide: ANCDUO_16283
MVLIAISSLERLFQPPYHYFGRRETQPTHISYYSWIFRRLSEGQNAPSFKRTPSAKWMRF
GKRSPNAKWMRFGKRSPEAKWMRFGKRSYEFEGDDDL
>FLP-22_Angiostrongylus_cantonensis_ACAC_0000004301-mRNA-1 peptide:
ACAC_0000004301-mRNA-1
MQRLVAFLMICNMLVAVCTSQETDVLPMVREERALKRTPSAKWMRFGKRSNTKWMRFGK
RSPEAKWMRFGKRGYYDFDGYDDTE
>FLP-22_Angiostrongylus_costaricensis_ACOC_0000814201-mRNA-1
peptide: ACO_0000814201-mRNA-1
MRFGKRSPDAKWMRFGKRSPEAKWMRFGKRGDYEFDGYDDTE
>FLP-22_Caenorhabditis_brenneri_CBN12719.1 peptide: CBN12719.1
MNRSLICVLLLASLVASQVIDMDGQLTGLVQNDALLMEPQDKRSPSAKWMRFGKRSPSAK
WMRFGKRSPSAKWMRFGKRDGADAEQDY
>FLP-22_Caenorhabditis_briggsae_CBG25200.1 peptide: CBG25200.1
MNRSVICVLLVSLVSAQVFDLDGQLAALEQQDGALLIEPQVKRSPSAKWMRFGKRSPSA
KWMRFGKRSPSAKWMRFGKRSGAEIAPEQDY
>FLP-22_Caenorhabditis_inopinata_Sp34__10300700.t1 peptide:
Sp34_10300700.t1
MNRSMIALCVLMLVSLVSAQVFDLDQQLAGLEQNDAILIEPHIKRSPSAKWMRFGKRSP
SAKWMRFGKRSPSAKWMRFGKRSGAEAEQDY
>FLP-22_Caenorhabditis_japonica_CJA05306.1 peptide: CJA05306.1
MNKFITATALVLMIALVSAQFNSDSQQEGPIEESVLRNWETKRSPSAKWMRFGKRSPSA
KWIRFGKRSPNAKWMRFGKRSGEIDSVYEQ
>FLP-22_Caenorhabditis_latens_FL83_06399 peptide: FL83_06399
MNRSMICILLVSLVSAQVFDLDGQQLAGIEQNDALLIEPHIKRSPSAKWMRFGKRSPSA
KWMRFGKRSPSAKWMRFGKRSGAEGVAEQDY
>FLP-22_Caenorhabditis_nigoni_Cni-flp-22.3 peptide: Cni-flp-22.3
MNRSVICVLLVSLVSAQVFDLDGQLAALEQQDGALLIEPQVKRSPSAKWMRFGKRSPSA
KWMRFGKRSPSAKWMRFGKRSGAEAVAPEQDY
>FLP-22_Caenorhabditis_remanei_CRE03845.1 peptide: CRE03845.1
MNRSMICILLVSLVSAQVFDLDGQLAGIEQNDALLIEPHIKRSPSAKWMRFGKRSPSAK
WMRFGKRSPSAKWMRFGKRSGAEGVAEQDY
>FLP-22_Dictyocaulus_viviparus_DICVIV_08883 peptide: DICVIV_08883
MNDTCKKLRTSLLLAFLRLQTSILVLPERVPKRSPSAKWMRFGKRTPNAKWMRFGKRTPD

AKWMRFGKRAYEYEGYDDME

>FLP-22_Diploscapter_coronatus_DCO_024491 peptide: DCO_024491
MQQLMVGLLCSLLVSLALSQSQDNDDSAVLIADIASQPQDTAAETTFDKRSPSAKWMRF
GKRSPSAKWMRFGKRSPSAKWMRFGKRSDGISNFYEMEY

>FLP-22_Diploscapter_pachys_WR25_08245.1 peptide: WR25_08245.1
MQQLMAGLLCSLLVSLALSQSQDNDDNAVLIADIEISNPQDTAAETTLDKRSPSAKWMRF
GKRSPSAKWMRFGKRSPSAKWMRFGKRSDGVSNFYEMEY

>FLP-22_Haemonchus_contortus_HCON_00012150-00001 peptide:
HCON_00012150-00001
MQRLALVMVCLLVAVCTAQDVEEIPVGRVERALKRTPSAKWMRFGKRSPNAKWMRFGKR
TPDAKWMRFGKRGEYEFDGYEDME

>FLP-22_Haemonchus_placei_HPLM_0001277501-mRNA-1 peptide:
HPLM_0001277501-mRNA-1
MQVTGNSYKIFQERALKRTPSAKWMRFGKRSPNAKWMR

>FLP-22_Heligmomomoides_polygyrus_HPBE_0000438401-mRNA-1 peptide:
HPBE_0000438401-mRNA-1
LEEFSLKSLKACEGALKRTPSAKWMRFGKRSPNAKWMRFGKRTPDAKWMRFGKRSDYGLE
GYDDME

>FLP-22_Heterorhabditis_bacteriophora_Hba_08014 peptide: Hba_08014
MIDAARNSSMTIVKKHQTSVYQAVRIWHRPLRRKSHARIEYPAYLVKVHLVSMQRLAALA
LLFTILVAVCRSEDIEDIAVIEEAINKRSPSAKWMRFGKRSPNAKWMRFGKRSPDAKWMR
FGKRADYAYEEDY

>FLP-22_Mesorhabditis_belari_mbelari.g25745.t1 peptide:
mbelari.g25745.t1
MWPSMRVLVLLVACLSCALMAIDYEQGTQQLNDKRNEFDLAKRSPSAKWMRFGKRSPN
AKWMRFGKRSPSAKWMRFGKRSTDDL PYDSIDY

>FLP-22_Micoletzky_japonica_MicoRS5524-mkr-S40-2.45-mRNA-1 peptide:
MicoRS5524-mkr-S40-2.45-mRNA-1
MSRVIIATILLGLIVALTSATEDEMTDALVENWKRSPSAKWMRFGKRSPSAKWMRFGKRS
PSAKWMRFGKRSAAVDALEEDDY

>FLP-22_Necator_americanus_NECAME_00821 peptide: NECAME_00821
MYWVQVHRNVPSFKRTPSAKWMRFGKRSPNAKWMRFGKRSPNAKWMRFGKRSDYESDDDL
Y

>FLP-22_Nippostrongylus_brasiliensis_NBR_0000230201-mRNA-1 peptide:
NBR_0000230201-mRNA-1
MDVLLNKDMLAKQQRKLRRGKEKTVDLCFQERSLKRTPSAKWMRFGKRSPNAKWMRFGKR
TPDAKWMRFGKRGDYEFEGYEDLE

>FLP-22_Oesophagostomum_dentatum_OESDEN_08469 peptide: OESDEN_08469
MSSLSTLAWSSIAAVPPFPGSYAYVPSFKRTPSAKWMRFGKRSPNAKWMRFGKRSPNAKWMRFGKRSDYEFEGEDDL
KWMRFGKRSDYEFEGEDDL

>FLP-22_Oscheius_tipulae_OTIPU.n0t.2.0.1.t05601 peptide:
OTIPU.n0t.2.0.1.t05601
MNRLVLVALFCALLAVAQAQDSQYNVEDAASPVDELDKRSPNAKWMRFGKRSPNAKWMRF
GKRQNTKWMRFGKRGGLEL FELPADY

>FLP-22_Parapristionchus_gibbindavisi_Parapristionchus-mkr-S_93-1.29-mRNA-1 peptide: Parapristionchus-mkr-S_93-1.29-mRNA-1
MSRLIIVIFTILLLSLAVSSQEESSSSLVGSWKRSPSAKWMRFGKRSPNAKWMRFGKRAP
SDKWMRFGKRSEDGAIFDDIEY

>FLP-22_Pristionchus_arcanus_Pristionchus_arcanus_arcanus-mkr-S_158-1.45-mRNA-1 peptide: arcanus-mkr-S_158-1.45-mRNA-1
MVRLVAFFFLALVTLSFSLESSDSSIENWKRSPSSKWMRFGKRSPNAKWMRFGKRAPSDK
WMRFGKRAALMEDDVEY

>FLP-22_Pristionchus_entomophagus_entomophagus-mkr-S35-7.60-mRNA-1 peptide: entomophagus-mkr-S35-7.60-mRNA-1

MARLLVLFFLALLSISFSMESSDFSIENWKRSPSSGKWMRFGKRSPSNKWMRFGKRSPNS
KWMRFGKRSAITRDDVEY

>FLP-22_Pristionchus_exspectatus_exspectatus-mkr-S_27-3.71-mRNA-1
peptide: expectatus-mkr-S_27-3.71-mRNA-1
MVRLVAFFFLALVTLSFSLESSDSSIENWKRSPSSKWMRFGKRSPNAKWMRFGKRAPSDK
WMRFGKRPALMEDDVEY

>FLP-22_Pristionchus_fissidentatus_fissidentatus-mkr-S150-5.15-
mRNA-1 peptide: fissidentatus-mkr-S150-5.15-mRNA-1
MSRLFVLFFLALITLSFSQESSDAAIESWKRSPSAKWMRFGKRSPNAKWMRFGKRSPSDK
WMRFGKRSAPLMEDDVEY

>FLP-22_Pristionchus_japonicus_japonicus-mkr-S439-0.3-mRNA-1
peptide: japonicus-mkr-S439-0.3-mRNA-1
MARLVVLFFLALVTLSFSMESSDSSIENWVSIKRSPSSKWMRFGKRAPSDILSETKRSP
NAKWMRFGKQLGEKLGIRQLEAVSVI

>FLP-22_Pristionchus_maxplancki_maxplancki-mkr-S1006-0.4-mRNA-1
peptide: maxplancki-mkr-S1006-0.4-mRNA-1
MARLVVFFFLALLTSLFSMESSESSIENWKRSPSSKWMRFGKRSPNAKWMRFGKRAPSDK
WMRFGKRSALEMENDAEY

>FLP-22_Pristionchus_mayeri_mayeri-mkr-S490-0.8-mRNA-1 peptide:
mayeri-mkr-S490-0.8-mRNA-1
MARLAVLFFLALLTSLFSFESSDSYIENWKRSPSSKWMRFGKRSPNAKWMRFGKRAPSDK
WMRFGKRSAVGDDVEY

>FLP-22_Pristionchus_pacificus_PPA35627.1 peptide: PPA35627.1
MVRLVAFFFLALVTLSFSLESSDSSIENWKRSPSSKWMRFGKRSPNAKWMRFGKRAPSDK
WMRFGKRAALMEDDVEY

>FLP-22_Teladorsagia_circumcincta_TELCIR_01869 peptide: TELCIR_01869
MLEITKSSVKLRSDRMQRLLALVMVCLLVAVCTSQDVDDLPPERALKRTPSAKWMRFG
KRSPNAKWMRFGKRTPDAKWMRFGKRGYEYFDGYEDLE

>FLP-22_Caenorhabditis_elegans_F39H2.1.1 peptide: F39H2.1.1
MNRSMIALCVVLMVSLVSAQVFDLDGQQLAGLEQNARLMEQQVKRSPSAKWMRFGKRSP
SAKWMRFGKRSPSAKWMRFGKRSGAEAVSEQDY

>FLP-22_Caenorhabditis_sinica FLP-22 predicted
ISFFQQVKRSPSAKWMRFGKRSPSAKWMR

>FLP-22_Caenorhabditis_tropicalis FLP-22 predicted
SVIKLYLTLTLTAPSTGKRRKLGILFSKGSSYNPILLTNKMTNCFFLERKKIRSTINRIIFRFGKRS
PSAKWMRFGKRSGAEVAVSEQDY

>FLP-22_Strongylus_vulgaris FLP-22 predicted
VYTYQIVYQTINCFKYAPSFKRTPSAKWMRFGKRSPNAKWMR

>FLP-22_Bursaphelenchus_xylophilus_BXY_0887600.1 peptide:
BXY_0887600.1
MGTRFRFRGLNARGRVGRPLSCPNIISCLIVYLPPIEVRRREGGYDLDTTFALCPAPQAQK
IFVYGFRCRVWIMVAPMSLLFAFLLVVGHFLGQAQVVGSDIYQDNLYREARAPAMKWMR
FGKRSPQGKWMRFGKRAPQGKWMRFGKRADDVQDPEYE

>FLP-22_Halicephalobus_mephisto_MSTRG.14074.2.p1 peptide:
MSTRG.14074.2.p1
VYKDFESDFIFQFPLGHVSRMTRVSGLVVFSTVLLALLVLFADAKPYGFDLSSSEEDLFR
QVRAPGVKWMRFGKRTPNAKWMRFGKRAPSAKWMRFGKRSDDEQFDEELYKNLF

>FLP-22_Panagrellus_redivivus_Pan_g19100.t1 peptide: Pan_g19100.t1
MTRFSSYLAIVAVLLSVLVLFAWDFSSSEDFPRAVRTPGVKWMRFGKRAPNAKWMRFG
KRAPNAKWMRFGKRSDGAANEVPAASESEFAPNPYF

>FLP-22_Steinernema_carpocapsae_L596_g6927.t1 peptide: L596_g6927.t1
MNTSWTVAVFALFFACLLACSDAAFFDVFSPQLAPMDNMDRAVRAPNVKWMRFGKRAPAA
KWMRFGKRAPAAKWMRFGKRSDSQENFGFPAAEAYNTL

>FLP-22_Steinernema_feltiae_L889_g25784.t1 peptide: L889_g25784.t1

MNTSWSVAVCALLFACLLSCSDAAFFDVFSPQLAPADSMRAVRAPNVKWMRFGKRAPAA
KWMRFGKRAPAAKWMRFGKRSDQEGFGGFAPSVEEYSNL
>FLP-22_Steinernema_glaseri_L893_g2260.t1 peptide: L893_g2260.t1
MPCTQSCVPTRNLGIPDPTSRPDPEASGIPTRNVPVPIKLRSRPEIPSRSRNFGIPDPK
SRFPNHQSTYLANPKYYISKKALTKTNLTPIMHAWCYKNEDISFTLGCSQLNHVPNPEAS
GIPTRNVPVPSNRNRDRTALHVPYCVLLYCACGSWQKAEVALSSYYTVTLDPQLTHYGTT
SANTPFFCLSHEVVLHPFDKRNKRQSVRASTTTTPSCHHLCGPLNSESTRPTQPTRIVNF
LRCGRLEEAVNAKIKCEIRTERVIPVYSHGTRMTWWEAPPLGGVSRARFYERAVVGEL
SMWPGAGTAFRICGSLISRVSFSAVVVVC DGSSRTIFVAKSSSVRFCLRPSNMNTSWS
VAVFALFFACLLAFSDAAFFDVFSPQLASDNMDRAVRAPNVKWMRFGKRAPAAKWMRFGK
RAPAAKWMRFGKRSADAQDGFAAGDEYTL
>FLP-22_Steinernema_monticolum_L898_g15669.t1 peptide:
L898_g15669.t1
MNTSWSVAVIALFACLFAFSNAAFFDVFSPQLAPADSMRAVRAPNVKWMRFGKRAPAA
KWMRFGKRAPAAKWMRFGKRSGDSEDVGNFGYPVADEYTS
>FLP-22_Steinernema_scapterisci_L892_g9483.t1 peptide: L892_g9483.t1
MNTSWTVAVFALLFACLLACSDAAFFDVFSPQLAPADNMDRAVRAPNVKWMRFGKRAPAA
KWMRFGKRAPAAKWMRFGKRSDSQENFGFPADA EYNTL
>FLP-22_Strongyloides_papillosus_SPAL_0000781800.1 peptide:
SPAL_0000781800.1
MTNFFNLKIVFLFTIALNIFSNFVTPFDVSSDIEGDDNLDFTRVVRAPNVKWMRFGKRAA
YYGIGDKRSPQVKWMRFGKRSDMVNENEIY
>FLP-22_Strongyloides_venezuelensis_SVE_0426600.1 peptide:
SVE_0426600.1
MTNFFNLKIVFLFTIALNIFSNFVTPYDVSSDIEGDDSLDFTRVVRAPNVKWMRFGKRAP
YYGISDKRSPQVKWMRFGKRSDLVNENEIY
>FLP-22_Strongyloides_ratti FLP-22 predicted
TIFFFRFGKRGSYYNDYDKRSPQVKWMRFGKRSDVLEFQNY
>FLP-22_Strongyloides_stercoralis FLP-22 predicted
GSIMLFFFLKYIIFRFGKRGSYYNNYDKRSPQVKWMRFGKRYDTSNEIQNY
>FLP-22_Acrobelloides_nanus_ACRNAN_scaffold3183.g32350.t1 peptide:
ACRNAN_scaffold3183.g32350.t1
MAKIAWYYSLFFLIVALAVLFADAAPNADFSEDDIFRVARAPQAKWMRFGKRAPQAKWMR
FGKRAPQAKWMRFGKRDPTFEGEYEVEQ
>FLP-22_Ditylenchus_destructor_Dd_13527 peptide: Dd_13527
MSSVNSSSHSGSVYLRLYSSLFLWVFLATVLVALMQTSNASPPTRFKGAAGQGELFVPSQ
SYFFPASTEDMNRAVRAPGMKWMRFGKRAPNAGKWMRFGKRAPNGGKWMRFGKRTPQDTN
SYGWPSTTR
>FLP-22_Globodera_rostochiensis_GROS_g00946.t1 peptide:
GROS_g00946.t1
MMAASAVLPNTLSPQFSFRWHFLPLLLLALLTISDFASCHSVPTLIAFDPAAYAKLRRYT
PIQHRRGGGRLCAFRSNFCEQQASFLSDDEAAFERAARQPAGGVKWMRFGKRTPQGKWMR
FGKRTMATEGGKWVRFGKRAEEMQNDQ
>FLP-22_Heterodera_glycines_Hetgly.G000002398 peptide:
Hetgly.G000002398
MNASSNWLILCALPSLRPPIPSAIAVTPSSSSSSSRPTHRNLPHCLNFFHTLKKGSGRIVR
YSSLFPSIASPIKMVVVLSALSSGTFPPHFSLLCFSADFTNCHSVPSLMAFDPTKLRLM
PIREFLSDDQLAFERAIRQPAGGVKWMRFGKRTPQGKWMRIGKRKMAIEGGKWVRFGKRA
EEMQGEE
>FLP-22_Meloidogyne_arenaria_M.Arenaria_Scaff387g008957 peptide:
M.Arenaria_Scaff387g008957
MSMDEFDNTDPFYRAARENGVKWMRFGKRVPQQSKWMRFGKRAPSSGKWMRFGKRNSEFM
EEK
>FLP-22_scaffold3339_cov182.g5406 peptide: scaffold3339_cov182.g5406

MLISIIILTFLLLINNKNSSQVYATQEQQQFSRQVRPYSERAAANQREIAEDVLVGIDSIFA
 SPYPKLNLLDGSMMSDEFDNTDPFYRAARENGVKWMRFGKRVPPQSKWMRFGKRAPSSGK
 WMRFGKRNSEFMEEK
 >FLP-22_Meloidogyne_graminicola_NXFT01000446.1.103_g peptide:
 NXFT01000446.1.103_g
 MQQKQNKLIKNSLLFSTKLNKFMILIFNILIIFLLINNEIIQINANQQIKPLKEFNQNL
 DGSMSEDEFDNDPFYRAARENGVKWMRFGKRVPPQSKWMRFGKRAPSTGKWMRFGKRLS
 NDFIENN
 >FLP-22_Meloidogyne_hapla_MhA1_Contig396.frz3.gene2 peptide:
 MhA1_Contig396.frz3.gene2
 MLISIIPLIFLLISNENLQVNAIQKQFSRQVRPYSERATNQNLDDGSMMSDEFDNTDPFY
 RAARENGVKWMRFGKRVPPQSKWMRFGKRAPSSGKWMRFGKRNSEFMEEK
 >FLP-22_Meloidogyne_incognita_Minc3s00616g15157 peptide:
 Minc3s00616g15157
 MLISIIILTFLLLINNECQVSASQEEQQFSRQVRPYAERAANQNLLDGSMMSDEFDNTDPF
 YRAARENGVKWMRFGKRVPPQSKWMRFGKRAPSSGKWMRFGKRNSEFMEEK
 >FLP-22_scaffold13611_cov178.g16967 peptide:
 scaffold13611_cov178.g16967
 MLISTILTLLLISNECQVSAAQEEQQFSRQVRPYADRAANQNLLDGSMMSDEFDNTDPF
 YRAARENGVKWMRFGKRVPPQSKWMRFGKRAPSSGKWMRFGKRNSEFMEEK
 >FLP-22_Meloidogyne_floridensis_maker-nMf.1.1.scaf04110-augustus-
 gene-0.1-mRNA-1 peptide: maker-nMf.1.1.scaf04110-augustus-gene-0.1-
 mRNA-1
 NKGRSNVRTTIREHNPQVKSKEFINIFKRAPSSGKWMRFGKRNSEXXXQKIRAPSSGKWM
 RFGKRNSEFMEEKLSKQISNKLNL
 >FLP-22_Ditylenchus_dipsaci FLP-22 predicted
 IKERLMSSSLNLLFQNYWLQPSDDLTRTARAPGMKWMRFGKRAPNAGKWMRFGKRAPNAGKWMRF
 GKRAPESDQF
 >FLP-23_Brugia_malayi_Bm14130.1 peptide: Bm14130.1
 MKFSLSFILFFLMITTSMTRLGALFRSRKAALESIIIRANTGRQDFLRFGRTNEKYNDRHL
 IASALLTPVDLK
 >FLP-23_Onchocerca_ochengi_OOCN_0000871901-mRNA-1 peptide:
 OOCN_0000871901-mRNA-1
 MVTTSMELRGALFRSRKTALDSIIQANTGRQDFLRFGRNVANFYDREP KAFETFTPDDFD
 >FLP-23_Parascaaris_univalens_PgR087_g018_t02 peptide:
 PgR087_g018_t02
 SLLIKHIRLVIPIISMWLHCSNRSYIKVMMLVNRSTLHLLSAPFIMRSALAFLLLLTITSS
 TFALRGALYFRRWSLPNVLHDNIGRQDFLRFGRDAPITFPNGYFEVDKNDATDMTGYAN
 >FLP-23_Wuchereria_bancrofti_maker-PairedContig_555-snap-gene-0.8-
 mRNA-1 peptide: maker-PairedContig_555-snap-gene-0.8-mRNA-1
 MVFFLMITTSMTRLGAMFRSRKAALENIIRANTGRQDFLRFRANKEYNDRHLIASALLT
 PIDLE
 >FLP-23_Ancylostoma_ceylanicum_Acey_s0721.g1823.t1 peptide:
 Acey_s0721.g1823.t1
 MRTILYLLAVLATISSVFGMRGALFRAGRAAPPNYGRQDFLRFGRNAYGSAGQDLFASPW
 GEYYAST
 >FLP-23_Caenorhabditis_brenneri_CBN02295.1 peptide: CBN02295.1
 MLFPKLTILLFLLLVLQESSAVRGALFRSGRAVPFERVPGQQDFLRFGRVAMASGAGGG
 SEGNGPDDMKSFIRINGEPEIIFQ
 >FLP-23_Caenorhabditis_briggsae_CBG26101.1 peptide: CBG26101.1
 MILPKLLSLLILMVLKESSAVRGALFRSGRSVPFERAPGQKSAPICREVQLFVPCFLT
 FNRNCMIDKICVHEAPVTTQTPPVSISTPNPKREEKSYAALSLIGPSRRNDFLRFGRASG
 AERVGEPQDEIKYGSYGGDADILY
 >FLP-23_Caenorhabditis_inopinata_Sp34__30283300.t1 peptide:

Sp34_30283300.t1

MVKRDKRFGNRESNPGPLAPEARIIPLDHPAAVLHSERCLLSGMLYYKSGTKFAEYSLK
MLLAKLSVLLLILAVVEEAAVRGALFRSGRAAPFERAVGQQRQAPICREVALFVPCLFT
SQRDCVIDRICVHEKASKLYASSGSPNAKREGSGAESLSQIAPPRNDFLRFGRAVVASG
VGGSYAASDDWKTPSLVRIQGEPEMSLQ

>FLP-23_Caenorhabditis_latens_FL83_22794 peptide: FL83_22794
MTLLPKMLTILLILVVLKETAAVRGALFRSGRAVPFERVPGQQTAPVCREVELYVPCLF
TYNRNCVIDKICVHEAPVTTQTTPISLTTTPNSKREGHRDSLSLFGPPRGNDFLRFGRAG
MASGAGGTSDANGAQDEMKAFLRINGEPEIIFQ

>FLP-23_Caenorhabditis_nigoni_Cni-flp-23 peptide: Cni-flp-23
MILPKLLVLLLILIVLKESSAVRGALFRSGRSVPFERAPGQQKSAPICREVQLFVPCLFT
FNRNCMIDKICVHEAPVTTQTPVSISTPNPKREEKSYAALSMIGPPRRNDFLRFGRSGM
ASGAERVAEPQDEMKYGSYDGDILY

>FLP-23_Caenorhabditis_remanei_CRE06740.1 peptide: CRE06740.1
MALLPKMLVILLILVVLKETAAVRGALFRSGRAVPFERVPGQQTAPVCREVELYVPCLF
TYNRNCVIDKICVHESPVATQTTPISLTTTPNSKREGHRDSLSLFGPPRGNDFLRFGRAG
MASGAGGTSDANGAQDEMKAFLRINGEPEIIFQ

>FLP-23_Caenorhabditis_sinica_Csp5_scaffold_03218.g29459.t1 peptide:
Csp5_scaffold_03218.g29459.t1

MKVFFFAIFLLLAVVLRESQAVRGALFRSGRAVXFRSGRAVPFERVPGQQTAPICREVE
LFVPCLFTVNRDCVIDKICVHEAPVPLKSTTTITSIPVTPNTKREGSFANLMGPPRGND
FLRFGRVMASGVGGGSEAGQAARDDFRGEPETIYE

>FLP-23_Caenorhabditis_tropicalis_Csp11.Scaffold630.g18556.t2
peptide: Csp11.Scaffold630.g18556.t2

MFKLSILLILLIVVSKETVAVRGALFRSGRAVPFERVPGQQLAPKCREVELYVPCLFTY
NRTCVIDKICVHELPVVTTPRPTTPVTTPNTKRENSVEPRRNDFLRFGRVMASGVGGGS
EGNAPDDMKSFVRINGEPEILFQ

>FLP-23_Heterorhabditis_bacteriophora_Hba_08859 peptide: Hba_08859
MVLSSFLLQTSDSLVIPTSVLVFITHSLAMRGALFRSGRAIRSFNDTKNYIAQDFLRFRG
SPDMHGYEDSIYDWRMNIPPPDSA

>FLP-23_Pristionchus_arcanus_PARCANUS000037698.t1 peptide:
PARCANUS000037698.t1
LDLSDMRLLVFLVLALMAVHTVFAVRGALFRSRRADPSAWAGREDFLRFGRLSSSEGID
KMDETRGRFFTFDYADNDDNIDYY

>FLP-23_Pristionchus_expectatus_PEXSPEC000031583.t1 peptide:
PEXSPEC000031583.t1
APKSRPLDLSNMRLVFLVLALVAFHTVFAVRGALFRSRRADPSAWAGREDFLRFGRLS
SSKEMEVEDPRGKRFFTFDYADNDDNTEYY

>FLP-23_Pristionchus_fissidentatus_PRIFISSI000028259.t1 peptide:
PRIFISSI000028259.t1

MILPLFLLVLFCSLDSSSAMRGLMREGRSAPAAFSPYREEFLRFGRAPLRPIESYNGFF

>FLP-23_Caenorhabditis_japonica FLP-23 predicted

PKFSAFQDFLRFGRSAASDGVGDVENLKTMYLRMARDPEVVYR

>FLP-23_Mesorhabditis_belari FLP-23 predicted

CCGLNKVKDFLRFGRSQVDDEVQPISYGRSIGLRYFR

>FLP-23_Oscheius_tipulae FLP-23 predicted

PPLSASEALFSVQDVRIILLSEGLTIIIVALSLSRVNTLSIVANTKDFLRFGRSAGFDRLYDDQEDFLAH
SRIRVLKEPLQYGFIF

>FLP-23_Parapristionchus_gibbindavisi FLP-23 predicted

APTKLRLFQDFLRFGRSPMKPLDHYEYHYGGQTYTIPLRSFLTDGAPFNFE

>FLP-23_Pristionchus_maxplancki FLP-23 predicted

IIGQKIPVLALVVIHTVSAVRGALFRSRRADPAAWAGREVRLQLQSDTNPILFLQDFLRFGRLSSSD
KVDDARGKRFFTFDYPNEDNSDYPGY

>FLP-24_Plectus_sambesii_PSAMB.scaffold6152size10059.g27979.t1

peptide: PSAMB.scaffold6152size10059.g27979.t1
 MHLQTTFFIFICLAAVAALAVSSNEYAAEENDDENIGEDKRRAGMNADALIRFGKRRMYQ
 KQLNEEYDDVLEDLMEKRAPNRADMMMRFRGRARSNADKMLRFG
 >FLP-24_Acanthocheilonema_viteae_nAv.1.0.1.t00207-RA peptide:
 nAv.1.0.1.t00207-RA
 MSASKVVIVAVLLVINNFCEIDCKRLQDNDFARQFLFRGGFEPLRYYLSPSDGAYVAKRV
 PSAADMMIRFGKRFGNVDAPIGDLNDN
 >FLP-24_Ascaris_lumbricoides_ALUE_0001565101-mRNA-1 peptide:
 ALUE_0001565101-mRNA-1
 MFSLKAIVMIALVVICTFCISESRRFHDDDFSRQFLFRGIDEPLKNYMRLREARILSKRV
 PSAADMMIRFGKRSFIEQDME
 >FLP-24_Ascaris_suum_AgR005_g139_t01 peptide: AgR005_g139_t01
 MFSLKAIVMIALVVICTFCISESRRFHDDDFSRQFLFRGIDEPLKNYMRLREARILSKRV
 PSAADMMIRFGKRSFIEQDME
 >FLP-24_Brugia_malayi_Bm9731.1 peptide: Bm9731.1
 MSTFKVLILAVLLVINHFCNTDSKQLQDSDLFRGGFEPMYRYFNPSDSYIGKRVNPADM
 MIRFGKRSATFDAPTGDNLNDE
 >FLP-24_Brugia_timori_BTMF0001782301-mRNA-1 peptide:
 BTMF_0001782301-mRNA-1
 MSTFKVLIVAVLLVINHFCNTDSKQLQDSDLFRGGFEPMYRYFNPSDSYIGKRVNPADM
 MIRFGKRSATFDAPTGDNLNDE
 >FLP-24_Dirofilaria_immitis_nDi.2.2.2.t00408 peptide:
 nDi.2.2.2.t00408
 MFAPKIIIFVAVLLIINHFCFTDSKRLQDNDFARQFLFRGGFEPMKYYMSTNNDAYIVKRV
 PSPADMMIRFGKRFVPHDISFDDLDDN
 >FLP-24_Elaeophora_elaphi_EEL_0000036001-mRNA-1 peptide:
 EEL_0000036001-mRNA-1
 MRQAHFAEKFEMNGTSWKFINLIPVMQRYDEEMLLCFNEDEMNGGFFGCSKCKSSMPFLK
 ELYFTMSAPKIIIVAVLLVINHFCFNDKRLQDNDFARQFLFRGGFEPLRYYLSPNDGLY
 ITRKRVPSAADMMIRFGKRFARYDVPSEKSDCRDCTSDVVMNITGTWMCKIKLNSKNSKL
 RIFDEVQFEEYIEISVID
 >FLP-24_Enterobius_vermicularis_EVEC_0000588301-mRNA-1 peptide:
 EVEC_0000588301-mRNA-1
 MFRQIIELAVLILLAAVAQCRTGLPKEDVDRFNRYVASAPFSGYFREFRDEIPYVAKR
 VNPNGDMMVRFG
 >FLP-24_Litomosoides_sigmodontis_nLs.2.1.2.t04563-RA peptide:
 nLs.2.1.2.t04563-RA
 MLASKGVIVAALLVINHFCFNDSERLRDNDFARQFLFRGGLEPLRYYLNSNDDTHIAKRA
 PSAADMMIRFGKRFAAYNVPVGDNLNDN
 >FLP-24_Loa_loa_EF017253.1 peptide: EF017253.1
 MSTFKILIIALLVINHFCSDSKRLQDNDFARQILFRGNFEPMYRYLSPNDAYLVKRV
 SAADMMIRFGKRFTTYDGSIGDINDD
 >FLP-24_Onchocerca_onchengi_nOo.2.0.1.t03746-RA peptide:
 nOo.2.0.1.t03746-RA
 MSASKILIIAVLLIINHFCFNDKRLQDNDFARQFLFRGGFEPMKYYMSPYDDVYTVKRV
 PSAADMMIRFGKRSRTYDVPIGDLNDD
 >FLP-24_Onchocerca_volvulus_OVOC8190.1 peptide: OVOC8190.1
 LIDQSYFAMSASKILIIAVLLIINHFCFNDKRLQDNDFARQFLFRGGFEPMKYYMSPYD
 DVYTVKRVPSAADMMIRFGKRSRTYDVPIGDLNDD
 >FLP-24-Toxocara_canis_Tcan_00436.1 peptide: Tcan_00436.1
 MSLSLKAIVMIALVVICTFCISESRRFQDDDFARQFLFRGIDEPLRSYMMRESRFLSKRV
 PSAADMMIRFGKRSSFIEQDNE
 >FLP-24_Wuchereria_bancrofti_WBA_0000218701-mRNA-1 peptide:
 WBA_0000218701-mRNA-1

MSTLKVLIIVALLVINHFCNTDSKQLQDSDLFRGGFEPRIYYFSPSGSYIGKRVNPADM
 MIRFGKRSVTFDTPVGDNLDE
 >FLP-24_Brugia_pahangi FLP-24 predicted
 PSDSYIDKRVNPADMMIRFGKRSATFNAPIGDLNDE
 >FLP-24_Dracunculus_medinensis FLP-24 predicted
 IDKNKFQFDENYISKRIPSAADMMIRFGKRFHPLSYEYE
 >FLP-24_Gongylonema_pulchrum FLP-24 predicted
 NFQPGNDGYMSKRVPSAADMMIRFGKRFAPLDTSGLAYPNFYVD
 >FLP-24_Onchocerca_flexuosa FLP-24 predicted
 KFDASLIKLFKFKPYDDMYTVKRVPSAADMMIRFGKRSRTYDVPDGLNDD
 >FLP-24_Parascaaris_univalens FLP-24 predicted
 LQLREPRILSKRVPSAADMMIRFGKRSFIEQDME
 >FLP-24_Syphacia_muris FLP-24 predicted
 FHDEFPTYIAKRVNPNGDMMVRFG
 >FLP-24_Thelazia_callipaeda FLP-24 predicted
 NFKLQRDSGIYIAKRVPSAADMMIRFGKRFAPYDQSVRSNDYDNYIA
 >FLP-24_Ancylostoma_ceilanicum_Acey_s0266.g712.t1 peptide:
 Acey_s0266.g712.t1
 MFSLSRIVLAVLSIAFLICVIDARIVDQYDDHMAIPVGAADYRLRGWDDYIVPHKRVPSA
 GDMMVRFKRSV
 >FLP-24_Angiostrongylus_cantonensis_ACAC_0000612401-mRNA-1 peptide:
 ACAC_0000612401-mRNA-1
 MPIFRLAKRSNWSIVLILWSFVRFIPLVTQQLTPMDDYRLYRFGDYAMHKRVPSAGD
 MMVRFKRSV
 >FLP-24_Angiostrongylus_costaricensis_ACOC_0000026401-mRNA-1
 peptide: ACOC_0000026401-mRNA-1
 MRIVVNLQIPEKERLAIIVLILWRFVSLVTQQLTPMDDYRLYRFGDYLAMHKRVPSAGDM
 MVRFGKRSV
 >FLP-24_Caenorhabditis_brenneri_CBN08894.1 peptide: CBN08894.1
 MISSRSSIILILAILVAIMAVAQCRNIQYDIDEIAPESAFRYAQWGEIPHKRVPSAGDMM
 VRFGKRAV
 >FLP-24_Caenorhabditis_briggsae_CBG15244.1 peptide: CBG15244.1
 MSRTSIILVLAIFVAIAAIAQCRNIQYDVDEISPEAAFRYAQWGEIPHKRVPSAGDMMVR
 FGKRSV
 >FLP-24_Caenorhabditis_inopinata_Sp34__30329200.t1 peptide:
 Sp34_30329200.t1
 MPETCPLIFNYLKMLSSRSSIILILAIIVAFMAVAQCRNIQYDVEETAPEAAARYAQWAD
 IPRKRVPSAGDMMVRFKRSF
 >FLP-24_Caenorhabditis_japonica_CJA10537.1 peptide: CJA10537.1
 MSRLSFVLLAVLVAFVCVAQCRNIQYDADEISPEAAFRYAQWGEMPHKRVPSAGDMMEI
 CVYTRNDRLRILNLKCPGASGTVFVAMCREEARLGLTATVLPARPKRIIGSVIGPATPK
 PLIGTATVPAGLIPLISTFTVPAIPKPLIDMVTVPARPKPLIGTANIPARLIPLISPFTV
 PAWPKPPIGLVIGPATPKPLIGTATIPAMIIPLISTFTAPAWPKPPIGLVIGPATPKPLI
 GTATVPAGLIPLISTFTVSAKLNLLIGTATVPVRFKRSI
 >FLP-24_Caenorhabditis_latens_FL83_19071 peptide: FL83_19071
 MLSSRTSIVLIFAILVAIMAVAQCRNIQYDIDEITPEAAFRYAQWGEIPHKRVPSAGDMM
 VRFGKRSV
 >FLP-24_Caenorhabditis_nigoni_Cni-flp-24 peptide: Cni-flp-24
 MSRTSIILVLAIFVAIAIAQCRNIQYDVDEISPEAAFRYAQWGEIPHKRVPSAGDMMVR
 FGKRSI
 >FLP-24_Caenorhabditis_remanei_CRE25718.1 peptide: CRE25718.1
 MLSSRASIVLIFAILVAIMAVAQCRNIQYDIDEITPEAAFRYAQWGEIPHKRVPSAGDMM
 VRFGKRSV
 >FLP-24_Caenorhabditis_tropicalis_Csp11.Scaffold630.g16685.t1

peptide: Csp11.Scaffold630.g16685.t1
MMSSRSSIILVLAIILAIMAVAQCRNIQYDVDEISPEAAFRYAQWGEIPHKRVPSAGDMM
VRFGKRSV
>FLP-24_Diploscapter_coronatus_DC0_025293 peptide: DC0_025293
MFSLRQLAALLVVLFFAMFCILEARNMPYEAALYPGYRFDGWAEAPMHKRVPSAGDMMVR
FGKRSE
>FLP-24_Diploscapter_pachys_WR25_04115.1 peptide: WR25_04115.1
MFSLRQLAALLVVLFFAMFCILEARNMPYEAALYPGYRFDGWAEAPMHKRVPSAGDMMVR
FGKRSE
>FLP-24_Haemonchus_contortus_HCON_00094680-00001 peptide:
HCON_00094680-00001
SGMISVRSIVLAVLFVAFLICAVDAKYLLPYDHEYYQGDYRPESFGDFVAAHKRVPSAGD
MMVRFGKRSV
>FLP-24_Haemonchus_placei_HPLM_0000712801-mRNA-1 peptide:
HPLM_0000712801-mRNA-1
MISVRSIVLAVLFVAFLICAVDAKYLLPYDHEYYQGDYRPESFGDFVAAHKRVPSAGDMM
VRFGKSVFPFPGNYGVSADPTVTAAQPCTVPLYYQDSVYAKSSASSCSKSESDVSSDEAYK
RKREKRDNRNEAARTSRLRRKARESOMQKEAEELQQENDALKGEVGELKKVLYSLQDEV
NRLNVVDIENSENVVQFQNIQYGFHNENL
>FLP-24_Heligosomoides_polygyrus_HP0L_0001472001-mRNA-1 peptide:
HP0L_0001472001-mRNA-1
MLSLRTIALAVLFVAFLMCVVDARVLQPYDHEPYSGDYRLDAFGDFIAAHKRVPSAGDMM
VRFGKRSV
>FLP-24_Heterorhabditis_bacteriophora_Hba_15417 peptide: Hba_15417
MFSLRSMWALIALIAFFCVTDARNLQPYGNYQFLDSEGMNLGDYRLEQFGGEYINPQKRV
PSAGDMMVRFGKRAD
>FLP-24_Micoletzkyia_japonica_MicoRS5524-mkr-S9-4.3-mRNA-1 peptide:
MicoRS5524-mkr-S9-4.3-mRNA-1
MKLLHSLLLLIVALVYFAAARTIYPYANMQELAGAAEEPEWALPSAAKRVPSAGDMMVRF
G
>FLP-24_Necator_americanus_NECAME_08917 peptide: NECAME_08917
MISLRIVLAVLSIAFLICVIDARIVDQYGLSTFTEDHMAVPYVAGDYRLRAFDDFNPH
KRVPSAGDMMVRFGKRSV
>FLP-24_Nippostrongylus_brasiliensis_NBR_0001956401-mRNA-1 peptide:
NBR_0001956401-mRNA-1
MQPLANSVIGFYSSSWFERYVIGLMRNESELYPMGDYRLASLGDYVSAHKRVPSAGDMMV
RFGKRSV
>FLP-24_Parapristionchus_gibbindavisi_Parapristionchus-mkr-
S_98-1.46-mRNA-1 peptide: Parapristionchus-mkr-S_98-1.46-mRNA-1
MSLYILFLSIKGMKFFILLSIILLSLLFTSSMARTVYSYGQLGEMTDPNVEDNEWIMGSS
AVKRVPSAGDMMVRFG
>FLP-24_Pristionchus_arcanus_Pristionchus_arcanus_arcanus-mkr-
S_209-1.92-mRNA-1 peptide: arcanus-mkr-S_209-1.92-mRNA-1
MKSILIIILFSFVLLLSLSSARNIFPYGPLGQMGETNAEEGEWMIPSMKRVPSAGDMMVR
FG
>FLP-24_Pristionchus_entomophagus_entomophagus-mkr-S28-4.55-mRNA-1
peptide: entomophagus-mkr-S28-4.55-mRNA-1
MKSVHLIILLSLVLLSSLSLSSRNIIYPYGQTGMGMNAEEGGWMIPSMKRVPSAGDM
MVRFG
>FLP-24_Pristionchus_exspectatus_exspectatus-mkr-S_40-2.105-mRNA-1
peptide: exspectatus-mkr-S_40-2.105-mRNA-1
MKSILIIILLFSIILLSSARNIFPYGPVDQMGETNAEEGEWMIPSMKRVPSAGDMMVR
FG
>FLP-24_Pristionchus_fissidentatus_fissidentatus-mkr-S460-0.36-

mRNA-1 peptide: fissidentatus-mkr-S460-0.36-mRNA-1
MKVLLLLLLSLAMLISFASARNIYPYGQLGQMGEINAEEGDWMVPSMAKRVPSAGDMMVR
FG
>FLP-24_Pristionchus_japonicus_japonicus-mkr-S5-6.49-mRNA-1 peptide:
japonicus-mkr-S5-6.49-mRNA-1
MKSFIVLLLSFILLISLASARNIFPYGAVGQMGETNAEEGEWMVPSMAKRVPSAGDMMVR
FG
>FLP-24_Pristionchus_mayeri_mayeri-mkr-S86-0.2-mRNA-1 peptide:
mayeri-mkr-S86-0.2-mRNA-1
MQSFFFVFFLLLLFSIVSSRSLSPFPGQMGE MNVEEGEWMIPSMARVPSAGDMMVRF
G
>FLP-24_Pristionchus_pacificus_PPA40082.1 peptide: PPA40082.1
MKSILIIILLSFILLLSLSSARNIFPYGPGVQMGEINAEEREWMIPSMARVPSAGDMMVR
FG
>FLP-24_Teladorsagia_circumcincta_TELCIR_00856 peptide: TELCIR_00856
MVIWKVRVKSGKIAKERRCEESELEAVYESRWLKVVPVGLKGTNGTIKSKGKVESIFDT
CPLILFNHLDKELLPFHHPNYTPKAGCRIYEPLTKLIKGRVEVSGNSSKHNCTARCLLPL
KKDRTYNATSWLKVPSPKIFECDIETQCEKGGVYESFLHTQIYEQRSLPKTIKYLKDEL
GAIQMEFLNKVGDNSRPNGFPLAFGKSIIEGGARDLVGLPPLIPDWNDAEICGKYLDQFSY
HLKDYKEMGYKTMAIQDFDVGIIYYPNCLGFNRSEADHIWRPFDLRARESKNFTKSLWQS
CSEPHLEMDYMEKFMHSYPGTPKIAQIWPTTLAHESLKALYHADKHFHKYFQKNRAVID
RSFMFFMGDHGPRREGIGKVRLLGQYENLNPFLMVTIPSAYRNTSLHEQLRQKTFELMTNF
DVHATLMDILKASSIKQLLDHGDILYEIVYLTPSNGLFSCQELLDDFRCPKKNQYHEDF
PIEPRKRTGRPRTKNTPRAFIRRNESGLALGSGFTRLDRYGRQGDCLVGNPLRGPYDQL
EERIVSVSYPHHDFRDCSKLCEKETTESRIFAGREWPQWCNGMISLRSLVAVLFAAFLI
CAVDAKVLLPYDHEFYPGDYRLESFGDFLATHKRVPASAGDMMVRFGKRSV
>FLP-24_Caenorhabditis_elegans_C24A1.1.1 peptide: C24A1.1.1
MLSSRTSSIILILAILVAIMAVAQCRNIQYDVEEMTPEAAFRYAQWGEIPHKRVPSAGDM
MVRFGKRSI
>FLP-24_Ancylostoma_caninum FLP-24 predicted
SRSIPDDHMAIPVGAADYRLRGWEDYIVPHKRVPASAGDMMVRFGKRSV
>FLP-24_Ancylostoma_duodenale FLP-24 predicted
LPFIRVLHANFPPIPDHMAIPVGAADYRLRGWEDYIVPHKRVPASAGDMMVRFGKRSV
>FLP-24_Caenorhabditis_angaria FLP-24 predicted
KIKGRERILIDFDELSQQSGFPYAQWAEPLPHKRVPASAGDMMVRFGKRSI
>FLP-24_Caenorhabditis_sinica FLP-24 predicted
HIQNFDPIDEISPEAVFRYAQWGEIPHKRVPSAGDMMVRFGKRSA
>FLP-24_Cylicostephanus_goldi FLP-24 predicted
SHFSISEDSMGLPVTGGDYRLRGWSDYISAHKRVPASAGDMMVRFGKRSV
>FLP-24_Dictyocaulus_viviparus FLP-24 predicted
ICFSHIFVIEHEFILTHDDLHGYENLEIRKRLPSAGDMMVRFGK
>FLP-24_Mesorhabditis_belari FLP-24 predicted
FQDDGIITHKRAPSAGDMMVRFG
>FLP-24_Oesophagostomum_dentatum FLP-24 predicted
GNQSIIDFPDDSLANALGVADYRLRPWGDYMI PRKRVPASAGDMMVRFGKRSV
>FLP-24_Oscheius_tipulae FLP-24 predicted
GDMMVRFGRGAV
>FLP-24_Strongylus_vulgaris FLP-24 predicted
VFALTHFSDDSMAPSSVGDYRLRAWNDYYVPHKRVPASAGDMMVRFGKRSV
>FLP-24_Teladorsagia_circumcincta FLP-24 predicted
ASFSYVILPFSDFEYFPGDYRLESFGDFLATHKRVPASAGDMMVRFGKRSV
>FLP-24_Rhabditophanes.sp.KR3021_RSKR_0000069950.1 peptide:
RSKR_0000069950.1
MTSKVFLIFAIVACSLVALTSAAAITPHSNSFNSKDIGENEF GFYYVPRMPMLSPYKENQ

FYAKRAPSAADMMIRFGKRSGVDEITY
>FLP-24_Steinernema_carpocapsae_L596_024451 peptide: L596_024451
MVGFSQLAILFFAVVVALIASNCEARPYDDEFGPSFYRPQYDAMRGFMGSRYLEKRVNPA
ADMMIRFGKRSGF
>FLP-24_Steinernema_feltiae_L889_g15835.t1 peptide: L889_g15835.t1
MTGFTQIAVFVFALFVTLFAVSAEARPYDDELGSSFYRPQYDAMRGFMGSRYLEKRVNPA
ADMMIRFGKRGGF
>FLP-24_Steinernema_glaseri_L893_g17490.t1 peptide: L893_g17490.t1
MVRFAQIVFFVAALLAVLLGASEARPLDDDFGAGFYRPQYDALRGFMTARYMDKRVNPA
DMMIRFGKRSAF
>FLP-24_Steinernema_monticolum_L898_g8901.t1 peptide: L898_g8901.t1
MSDWVHEENNCTQLSVLNCLYSKEVHFFTSVLRMVGFTQIAVVFALLVAFFGVNSEARPY
EDEFGPSYYPQYDAIRGFMNSRYLEKRVNPAADMMIRFGKRSGF
>FLP-24_Steinernema_scapterisci_L892_g24575.t1 peptide:
L892_g24575.t1
MDWPQRNECGFAPIRNEEVPWITARGQTGIKGLRRNGERFSPSRISFIKEALRRSRDSSV
SALPNFGHNGSLTRVGARKTYRKHGVLKAKYTDARVLIPESSDVVMLDSLFAQLLPQRSR
GVVLDEHRFLLTVVRRLESETRGSGGQLDISSASLKTSFCSLSSSAFFGLHRPLPPTAAP
HPTCELVAFSKTKNRRLIAPNGALADLRPADSPTVPSGTIRVSPRPFGTFLSPSTAPLAP
PEIGFLREPKTVARVRKFDWPISDSREVLLFSLPRMIGFSQLVVFLFAVFVALFATNSE
ARPYDDEFGPSFYRPQYDAMRGFMSSRFLEKRVNPAADMMIRFGKRSGF
>FLP-24_Strongyloides_papillosus_SPAL_0000027100.1 peptide:
SPAL_0000027100.1
MKKTNFVFFTIIFITMLLFIISNAKSNEYDDNRSLSGSTYNDVFYIPTFRYYNPYGEKI
YDKRAPNKADMMIRFGKRLKPFDAIGIEM
>FLP-24_Strongyloides_ratti_SRAE_2000055800.1 peptide:
SRAE_2000055800.1
MKDIKLRNSGLFLFIFKMRKTKFITFSIIFFTILLFALSSYAKNSEYDENHSLSGSSYND
VFFIPNYKYYPYGGKIYVKRAPNKADMMIRFGKRLKPFDELIDV
>FLP-24_Strongyloides_stercoralis_SSTP_0000716000.1 peptide:
SSTP_0000716000.1
MRKTKFITFSIIFFTILIFVLSSYAKNNEYDDSHSISGSLYNDIFYIPNYKYYPYGGKI
YVKRAPNKADMMIRFGKRFPFDELGSDA
>FLP-24_Strongyloides_venezuelensis_SVE_1820000.1 peptide:
SVE_1820000.1
MLLFIISNAKSNEYDDNRSLSGSTYNDVFYIPTYRYYPYGEKIYDKRAPNKADMMIRF
GKRLKPFDAIGIEM
>FLP-24_Parastrongyloides_trichosuri FLP-24 predicted
YGAKFYVKRAPNKADMMIRFGKRSRTFNEMLNQK
>FLP-25_Ascaris_suum_L3E_03566 peptide: L3E_03566
MAPAAPTHSSSSHRHSLWIFGEGEFSIVHTKKADYDFIRFGRSTPSEKRKGDNSYDIIRF
GKRSLVIVPYWR
>FLP-25_Brugia_pahangi_BPAG_0001313801-mRNA-1 peptide:
BPAG_0001313801-mRNA-1
MNDHRESMLTVIFAILICVISQCSITNAVTYDRFCQHYPPLSQYHSEPHSAKRTNYDFIR
FGRGRRDGPGTYDYIRFGKRLSGLLANQNSEQTNLAK
>FLP-25_Dirofilaria_immitis_nDi.2.2.2.t04908 peptide:
nDi.2.2.2.t04908
MNGNREGILTIIFFTLRVVSQRLIANPTSNEQFYHRNPAPLQYQYETYTEKRVPNYDF
VRFGRSGRNDPAYDFIRFGKRFPGLWAKQKFGQIHLVKQSNLAR
>FLP-25_Elaeophora_elaphi_EEL_0000078901-mRNA-1 peptide:
EEL_0000078901-mRNA-1
MNTHRENMLTVILAILLCVVSQCSIANAVSCEQLCHRYALSQYQSEPHSAKRTNYDFIR
FGRGGKASPATYDYIRFGKRLSEFWANQNSEQANLAR

>FLP-25_Loa_loa_EJD73860.1 peptide: EJD73860.1
MNGHRKSM LTIIFAI FL CVISHYSIANPIKYDEL CQQSP LLLCQFEPNSAKRTNYDFIR
FGRSGRVRPATYDYIRFGKRSTEF RINQDFE

>FLP-25_Onchocerca_onchengi_n0o.2.0.1.t05072-RA peptide:
n0o.2.0.1.t05072-RA
MSGNREGMLIITFTILFCVVTQYSVAATIRYGKFYHPYPAILQQYKSEPPQSAKRTRD YD
FIRFGRSGRSGQDNEYDYIRFGKRFP GSWVNQKFG

>FLP-25_Onchocerca_volvulus_OVOC7604.1 peptide: OVOC7604.1
MSGNREGMLIITFTILFCVVTQYSVAATIRYGKFYHPYLAILQQYKSEPPQSAKRTRD YD
FIRFGRSGRSGQDNKYDYIRFGKRFP GSWVNQEF G

>FLP-25_Wuchereria_bancrofti_maker-PairedContig_958-snap-gene-0.10-
mRNA-1 peptide: maker-PairedContig_958-snap-gene-0.10-mRNA-1
MIATLTDNTKYIKICPMIDHRESMLTVIFAILLCVISQCSIANAITYDRFCQHYPPLSQY
QSEPHSAKRTNYDFIRFGRGRDGPETYDYIRFGKRLSEFLANQNPEQTNLAR

>FLP-25_Acanthocheilonema_viteae FLP-25 predicted
KVNFIIMYFTAKRTYYDFIRFGRGGRSSPATYDYIRFGKRLSEFEANQNSEQAELGR

>FLP-25_Anisakis_simplex FLP-25 predicted
TAKVISKKRLVSKFLTISPFCSNFYLLIILTDNYRIIAHLYSLFAVKKADYDFIRFG RTPSSSKRTIG
QSYDYIRFGKRSPSLKMEPYLMQ

>FLP-25_Ascaris_lumbricoides FLP-25 predicted
WKLLAAKKADYDFIRFGRSTPSEKRKGDNSYDYIRFGKRSLVIVPYWR

>FLP-25_Brugia_malayi FLP-25 predicted
KMNFINSTYSIIKLFFFFFFFTVKRTNYDFIRFGRGRKDGPGTYDYIRFGKRLSGLLANQNSEQTNLA
K

>FLP-25_Gongylonema_pulchrum FLP-25 predicted
NCIGLVRTSCNLFAAKRGGDYDFIRFGRSGTGNQEGAPLTYDYIRFGKRSGSADYLLSS

>FLP-25_Litosomoides_sigmodontis FLP-25 predicted
IISPIHIAFAAMRTNYNFIRFGRGERASPATYDYIRFGKRSEFRHDRIPEQAADFARQSP

>FLP-25_Onchocerca_flexuosa FLP-25 predicted
HLEFSERKPSVQVFQLPLKQKIIISLIQFIVPNKFFFFFFTAKRTHNYDFIRFGRSGRTERSEEDNKY
DYIRFGKRFP GSWVNQKFG

>FLP-25_Parascaaris_equorum FLP-25 predicted
WKLLTAKRADYDFIRFGRSTPSEKRKDDNSYDYIRFGKRSLMIVPYWR

>FLP-25_Parascaaris_univalens FLP-25 predicted
WKLLTAKRADYDFIRFGRSTPSEKRKDDNSYDYIRFGKRSLMIVPYWR

>FLP-25_Ancylostoma_ceyLANicum_Acey_s0008.g230.t1 peptide:
Acey_s0008.g230.t1
MQSISLLLLLLLVVDICYCTLHPCTTPECQQTLEEVLQMEYKPKRNYDFVRFGRSSPAKK
ASYDYIRFGKRSDSRAAAYGGARYALVQL

>FLP-25_Angiostrongylus_cantonensis_ACAC_0001086001-mRNA-1 peptide:
ACAC_0001086001-mRNA-1
LCSCLVKRHYDFVRFGRSDLKKKASYDYIRFGKR RSDVMTT

>FLP-25_Angiostrongylus_costaricensis_ACOC_0000189901-mRNA-1
peptide: ACOC_0000189901-mRNA-1
MKLIRLSLHKSSRGAVASAAVCCLLGSGLKQCRFQENQKIQHTSISFNVFYFSINCVL
QNLIQCYLVKRDYDFVRFGRPD LKKKASYDYIRFGKR RSDVMTT

>FLP-25_Caenorhabditis_brenneri_CBN11856.1 peptide: CBN11856.1
MMSHNSMIYLLIVAF LISVDGLKQNECPGGDCHEDIPVDLGLVLPPELYESTRLANLLAR
PSSQFKMKRDYDFVRFGRVPHKKASYDYIRFGRK

>FLP-25_Caenorhabditis_briggsae_CBG10109.1 peptide: CBG10109.1
MSNSMIYLLL VVAVLTTVVDSKKDCSSIRGCDEDVSPVDLGLVLPPELYESTRLANLLAR
PSSQFKMKRDYDFVRFGRSAPMKKASYDYIRFGRK

>FLP-25_Caenorhabditis_inopinata_Sp34__30268200.t1 peptide:
Sp34_30268200.t1

MSHSLMVFYVLATLLLVLPATTSATKECSTDCEVDPVDLNLVLPPELYEPTRLGRMLQR
 PSSQFKMKRNYDFVRFGRSAPSKKATYDYIRFGRK
 >FLP-25_Caenorhabditis_japonica_CJA07718.1 peptide: CJA07718.1
 MSPVWMILVLIACHLLCGSGASASADTKNECSLDQAPSDLGIMLPPELFDSTRLANL
 LAARPALQFKMKRDYDFVRFGRSAPSKKASYDYIRFGRK
 >FLP-25_Caenorhabditis_latens_FL83_07430 peptide: FL83_07430
 MSHNSMIYLLVFLILISTITVDAAKKECSGGCEEDVPVDLGLVLPPELYESTRLANLLA
 RPSSQFKMKRDYDFVRFGRSAPIKKASYDYIRFGRK
 >FLP-25_Caenorhabditis_nigoni_Cni-flp-25.1 peptide: Cni-flp-25.1
 MSNSMIYLLLVAVLTTVDSKKDCSSIGGCEDVSPVDLGLVLPPELYESTRLANLLAR
 PSSQFKMKRDYDFVRFGRSAPMKKASYDYIRFGRK
 >FLP-25_Caenorhabditis_remanei_CRE25593.1 peptide: CRE25593.1
 MNIRIRFHITVGLNYIDIVIIPFISFSFSPCSFFFFFTNNNSLLHIISFPVVTSLQFVTIM
 SHNSMIYLLVFLILISTITVDAAKKECSGGCEEDVPVDLGLVLPPELYESTRLANLLAR
 PSSQFKMKRDYDFVRFGRSAPIKKASYDYIRFGRK
 >FLP-25_Caenorhabditis_sinica_Csp5_scaffold_01751.g22916.t1 peptide:
 Csp5_scaffold_01751.g22916.t1
 MPSSMIYLLVAVLVITVDASPKKGCSSXXXXXXXXXXXXXXXXXXXXDASPKKVGSS
 VDCAQEDAPVDLGLVLPPELYESTRLANLLSRPSSQFKMKRDYDFVRFGRSAPAKKASYD
 YIRFGRK
 >FLP-25_Dictyocaulus_viviparus_nDv.1.0.1.t12003 peptide:
 nDv.1.0.1.t12003
 MFPSTYLFLAVILPINYGNTLPCTSIGCQFYNDIMNPTRFKMKRHYDDVQFGRSDLNKK
 ASYDYIRFGRKNENAMMI
 >FLP-25_Diploscapter_coronatus_DC0_024153 peptide: DC0_024153
 MIRYLFVVLQVLAAGAIAMSLGPSQGDSLAQPGIRTYAAYPPQISRMQFLSDDGYAVHTA
 ELKPKRNYDFVRFGRSAPTKKASYDYIRFGRSSNPLAAFRNVKIQNRK
 >FLP-25_Diploscapter_pachys_WR25_16039.1 peptide: WR25_16039.1
 MLRYLFVVLQVLAAGAIAMSLGPSQSDSLVQPGIRTYAAYPPQINRMQFLSDDGYAVHTA
 ELKPKRNYDFVRFGRSAPTKKASYDYIRFGRSSNPLAAFRNVKIQNRK
 >FLP-25_maker-scaffold165-snap-gene-0.6-mRNA-1 peptide: maker-
 scaffold165-snap-gene-0.6-mRNA-1
 LAPPFVAKKAWSCQLKALRANVTRRQRYSRNMHSTTFVLLFTVLACISYSDSQPCTTAGC
 EEAVADIGLPSEYRQKRHYDFVRFGRAGPEKKASYDYIRFGRSQIDSDDLNFSPYQ
 FL
 >FLP-25_Heligmosomoides_polygyrus_HP0L_0001265601-mRNA-1 peptide:
 HP0L_0001265601-mRNA-1
 MHHSITVLLLLAALFSCSTSPCTSPSCERNAEQFSPLDHKVKRHYDFVRFGRSMSPEKK
 ASYDYIRFGRSSWSPAMDGARFSGPLL
 >FLP-25_Heterorhabditis_bacteriophora_Hba_20824 peptide: Hba_20824
 MGPLVPIITLGLLCVDYSIVLSSTPTECIYTQSMQTYQPLSAEFPKQKRDYDFVRFGRSG
 RMKKASYDYIRFGRSARDYTSDDLIRNRQTEEFASVPFKIAT
 >FLP-25_Mesorhabditis_belari_mbelari.g22924.t1 peptide:
 mbelari.g22924.t1
 MEFLQSEALVMTNKIPIPSLLIFTRVTLSEMKSITPFLSLLAFLLLSAQAYEVLLCEQ
 QPELCNLLAVERDSRLPISDVPKHAEKRAYDFVRFGRSDPAIGKEKKNSYDYIRFGKRS
 GLLAEDLVKF
 >FLP-25_Oscheius_tipulae_OTIPU.n0t.2.0.1.t03826 peptide:
 OTIPU.n0t.2.0.1.t03826
 MQVLIVVVCFSFLVQTSQWTCSPDCSPAHLPSQQLRRNNGAYKRRDEYDFVRFGRK
 SEAQKKAGYDYVRFGRSGGSSAWRI
 >FLP-25_Teladorsagia_circumcincta_TELCIR_11775 peptide: TELCIR_11775
 MANFSANVETALARKIKGNPSRHTVQFCMNDIIKHRTKKETPGNVRTKTRHYDFVRFGR
 SVGPEKKASYDYIRFGRSQGTMDRFDARFSPFQFL

>FLP-25_Caenorhabditis_elegans FLP-25
MSHNSMIYLLVAFLLCATTEAKKECSIDCQEDGSAAVDLGLVLPPELYESTRLSNLLARPSSQFKM
KRDYDFVRFGR
APIKKASYDYIRFGRK

>FLP-25_Ancylostoma_caninum FLP-25 predicted
LARLTETLETHWQFFHKNPRKKDFFSENHGDLSLVSVSAKRNYDFVRFGRSGPAKKASYDYIRFGKRS
DLRAAPYGGARYALAQL

>FLP-25_Caenorhabditis_angaria FLP-25 predicted
IFAVKRDYDFVRFGRSSPPAKKASYDYIRFGRK

>FLP-25_Cylicostephanus_goldi FLP-25 predicted
QNKQKINKHLLTNDFKLFPEPYKLLALLPVSAKRNYDFVRFGRSGSPSKKASYDYIRFGKRS GTREEN
FDTSRYAPIDQQL

>FLP-25_Haemonchus_placeii FLP-25 predicted
KKTYPDTLQIADKGTVVGITTYRTLPSHTVIDTDSEKRHYDFVRFGRGAAGPEKKASYDYIRFGKRSQI
DSDDL NARFSPYQFL

>FLP-25_Micoletzky_japonica_Micoletzky_japonica FLP-25 predicted
AEALGHTSACQCTKMPNTVDFVRFGRGP

>FLP-25_Necator_americanus FLP-25 predicted
NVFSLISLFSKRNYDFVRFGRSGPAKKASYDYIRFGKRSSDRMDLSLRSSALEQ

>FLP-25_Nippostrongylus_brasiliensis FLP-25 predicted
INDEVEYRGKYKLQLAMDASSDPNVRIISLFLTTLNFFTLRQMKSDPCRFLPHRLCRHMKQNRNLK
KLHIKSPTYQYKFLVKRHYDFVRFGRSGPAKKAASYDYIRFGKRTSSIIYIPRFYTNPLV

>FLP-25_Oesophagostomum_dentatum FLP-25 predicted
ENLLRFRFSKRNYDFVRFGRGAARSGPSKKASYDYIRFGKR SVREDSEQDRYDL SGQL

>FLP-25_Strongylus_vulgaris FLP-25 predicted
KSLVSAKRNYDFVRFGRSARSPAKKASYDYIRFGKRNGAQEIHGTSRHDPLNSIYTL

>FLP-25_Panagrellus_redivivus_Pan_g2977.t1 peptide: Pan_g2977.t1
MLARIVFLLTVLPATLAFMMTYGDL CRMDSTLCQKPVS SYAASP VSAEREALFFRDALPR
PSLSEKPTKRGYDFIRFGRSADRQT KKAASYDYIRFGRR

>FLP-25_Parastrongyloides_trichosuri_PTRK_0001699600.1 peptide:
PTRK_0001699600.1
MTGKVVNLLVFALSIIVIQSSTVLVDEKSPCIPLNYKSQSLDAPVNDCKDDSYMERYIRV
PSFNLKQSILSNRMLFDQLRDPIGNYKIFQKFNHVDASGRSRYHPAFTKTGFERMIKKT
NFGKYIQTLP GKREYDFVRFGKKNQPNERIQRSDNTEESNSYDFVRFGKRNSPFINTLDD
EMFGDDNKLHDDYSFIRFGRSSEQDKRG TGESMNYDFVRFG

>FLP-25_Rhabditophanes.sp.KR3021_RSKR_0001008500.1 peptide:
RSKR_0001008500.1
MSYWISILFVFLMICCGGSQPFKDEATLKGEISPCKSAQDINGIFLTKPDDLHTVITS
DCNPDKKA EKSSFERN SRIPYNNHFKYLSGRLMIEDLLNPMSEKNGKIGKYKDHFDVNNF
VWDAESVYDRNLRSKIPSKRSSWGKKGEILLASRILRSDPNQLSYDFVRFGRSGKKVF
QGKVS KTQDVVKRNSQIENSNSHYGYDFVRFGKKSQIEEAKARNDYDFVRFGKRNPPE
ETKSRDDYDFARFGKRSIDHLNVHVKTLEKRSDSKDNYDFVRFD

>FLP-25_Steinernema_carpocapsae_L596_g22503.t2 peptide:
L596_g22503.t2
MSRVPVADRSSKKPVRSQHDLALPTARMCPRIAAFTPSALLFSAAVVLLALQPVAEAL
TSLDL CRQDDSLALCQFQEIPQTSETMILNVPKQMRLLRRSGGGQSRVRQDEIVKPDGGKR
GYDFIRFGRSPTANRAPLASYDFIRLGRK

>FLP-25_Steinernema_glaserei_L893_g26291.t1 peptide: L893_g26291.t1
MRRAPVVTQSPQTARSQHRRRMSPRASTPPLLLSVVVVFALQAAVDALSVQDL CRQAD
SAALCRALQRAPPSLQEADRPDRDHKPDDSEPPAPLRLAFWRYTRLHPRNDPTVAAAASS
FSKNGGKRGYDFIRFGRSANAPLKS YDFIRLGK

>FLP-25_Steinernema_monticolum_L898_g21910.t1 peptide:
L898_g21910.t1
MSLR IASSSCSALLVSFVVVFALQPVAEALTISDL CRQGAVESVALCKIRALQKVTGAPS

TILFDPIQPMQMRSGKNRVEHEEVVKPDETDLPAPLRLVSFRFTRLHPRDERSSAAS
SFSKNGGKRGYDFIRFGRSPSSSNRTPLASYDFIRLGRK
>FLP-25_Steinernema_scapterisci_L892_g30049.t1 peptide:
L892_g30049.t1
MRRVPVADRSSKKPVRSQHDLASTKARMCPRIVALPSASALLFSAAVVLLALQPVSEAL
TLSDLCHQDNSIALCQLQEVKSPETMILSAPEPMRLRRSGGGQSRVRQDEIVKSGEPEN
PAPLRLAFWRYTRLHPREDRPAASSISKNGGKRGYDFIRFGRSPATNHAPLASDFIRLGRK
>FLP-25_Strongyloides_papillosus_SPAL_0001124200.1 peptide:
SPAL_0001124200.1
MTGKFTNTFILLFLHVNFCSSLSKASDKSLCNFVVDNIKTGKYTTEELFKACNPSSIHR
NYMHRDTRAPSFSLKHSIFS NRMLFDHLRDSGINKIFQKFNHVDASGRNRYHPGFTST
GFDRMMKKTNFNKYMKLKLNRSDNLPILKKRDTTDRFQSRSDPTSDGFSYDFVRFGRK
DTPESQDDSLIQSSLGMYGPLYKRSGKYQNLNFGKGGEKGKRGVGESTNYDFVRFGRK
>FLP-25_Strongyloides_ratti_SRAE_2000220000.1 peptide:
SRAE_2000220000.1
MTGKLITILLFLLFFYGNQSSPLNDRSLCASIINNIPATFISEEMANDCKPYLKNEKYT
ARDTRTPSFNLKQSIFS NRMLFDQLRDSIGNYRIFQKFNHVDASGRNRYHPAFTKTGFE
RMIKKTTVNKYKKQPSKKNDDLIIFEKRNLDNGRFQSRSESQIPEGFSYDFVRFGRKDPVY
IQKNPSLDNSLEIYKQFYKKSSEDNKTNFNRKEGEQDKRGVTESNNYDFVRFGRK
>FLP-25_Strongyloides_stercoralis_SSTP_0000977400.1 peptide:
SSTP_0000977400.1
MLFDQLRDPAGSYKIFQKFNHVDASGRNRYHPAFTKTGFERMIKKTAFDKYKKQSIPKR
RGDDLMLVFNKRKDPNDRFQSRSDKTDPGEFSYDFVRFGRKNPLYNKKSQPYDDLIGAFNQ
VLHFERGGEQDKRSDLEGTNYDFVRFGRK
>FLP-25_Strongyloides_venezuelensis_SVE_1829900.1 peptide:
SVE_1829900.1
MTGKFTNTFIFLFFLHVNFCSSLSKTSKPLCTFVVDNMKTKKYTTEELFKACNPSSSTYE
RNMNRDIRAPSFSLKHSIFS NRMLFDHLRDSGIIHKIFQKFNHVDASGRNRYHPGFTTI
GFDRMTKKTNFNKYMKSRINKRSDNLLILNRRDNTDRFQSRSDPTNYDGFSYDFVRFGRK
DDSESQDDSLIQSSLGMYGPLYKRSEKYQNLNFGRGGEESKRTAIESTNYDFVRFGRK
>FLP-25_Halicephalobus_mephisto FLP-25 predicted
KFWNLETKISGKRAYDFIRFGRSPERSQSKKASSSYDYIRFGKRSLRR
>FLP-25_Steinernema_feltiae FLP-25 predicted
LISISDGGKRGYDFIRFGRSPSSSNKTPLASYDFIRLGRK
>FLP-25_Acrobelloides_nanus_ACRNAN_scaffold6663.g9391.t1 peptide:
ACRNAN_scaffold6663.g9391.t1
MHYIGIGFLAVTIMAGFGWMQEAEGLLTFADLCFQSHDAYSLCKYSHLPKRSISGLYPYPD
SIFRPYNLFGGSSQTLYMLPPDAKQVKSPQKRDYDFVRFGRSDGQKKAAGSYDYIRFGKR
SSYDYIRFGKRSLVHGLDMDLDKLPSQ
>FLP-25_Ditylenchus_destructor_Dd_12079 peptide: Dd_12079
MPEFPVEGPNPDYADRTPNLKVWKQPTSDLLCVQEVKRSQQKNSQFLLCQPRDSIENNA
VDLGADAMSTIGDQYDVADFQVMPTGNAAIRLKPEMFKTNQKMSIAQLLGKQKYVLQAP
ERPIPLDYANRASSRIPMKRTTTYDFIRFGKRFPNPPVGSSEDGRWKKEDKKANTYDYIRF
GK
>FLP-25_Globodera_pallida_GPLIN_001147600 peptide: GPLIN_001147600
MLFKKVSNYDAIYVFFPHARNEVSPHFRPSALALLCAQSMPSGQLAKVCAHLTGIVLMPS
GDGQTRPILIGPDGIGIGIGIMQKRHFWSARIAALEGRAQHRAGGAIAGTVKRAYDYIRF
GRRSAAVHLAQQQKKNSEHSAGSTYDYIRFG
>FLP-25_Globodera_rostochiensis_GROS_g12968.t1 peptide:
GROS_g12968.t1
MKSMIYAIFDAICFPEMIAGIRCHRRRRRHLP SLITAIGAALCVAAASQPSVNALAAQGS
PQFRPSALALLCAQSMPSGQLAKVCAHLTGIVLMPSGNGQTRPILIGPEGIGIGIMQLKRA
YDYIRFGRRSAAVHLAQQQKKSEHKGSPQFRPSALALLCAQSMPSGQLAKVCAHLTGIV

LMPSGNGQTRPILIGPEGIGIGMQLKRAYDYIRFGRRSAAVHLAQQKKKSEHIKRAYDY
 IRFGRRSAAVHLAQQKKKSEHSAGGTYDYIRFG
 >FLP-25_Heterodera_glycines_Hetgly.G000008458.2 peptide:
 Hetgly.G000008458.2
 MIVPFDRFLLPSPFAIGFCFVFAALCVAASPSAKTFLQQQQQTTLPLVQIVDQQQLDS
 DAQTPPAHFRPSSIAFLCANSFPSPQLAQMCADLTGIVLLPSADDDDGPRRPILIGPEG
 IGIGTQRKRHFWSGRIAALEGRAENGAGGTNGGGSAEKRGYDYIRFGRRSSAVAAIPKLA
 KQQRKKSADTSGARTAYDYIRFG
 >FLP-25_Meloidogyne_graminicola_NXFT01004190.1.10897_g peptide:
 NXFT01004190.1.10897_g
 MFWLFSLLLILSINVEAFNPSTHQLKEETFNDFFKILNNNNNNLKIYYKIPKYLNIFSIP
 IFDQQINKFKLTTKQLKYL CNQFLLKENLKNLFLKNNIKLCEEILISKILKKRSTSSSS
 SSSSLYNFIRFGRRNSFQINGNTNKKLNNNGNTYDYIRFG
 >FLP-25_Meloidogyne_hapla_MhA1_Contig1000.frz3.gene7 peptide:
 MhA1_Contig1000.frz3.gene7
 MFSFWVFSLFFITSVSTFSPVRQIKKEIFIPFEEKRSSPSSYDFVRFGRNSFKIDGKTNK
 KSNNGNTYDYIRFG
 >FLP-25_Meloidogyne_incognita_Minc3s01659g25420 peptide:
 Minc3s01659g25420
 MFLFWMVSLFFIASVSTFSPVHKSEEEIFMPYEDSSLNDLYLITSLNKRPKHLINIFSLP
 NQQTNKLQLSPKQLKFLCNKFLKNSKEYERLLFLSKNINLCKKEEFITKISENEKRSS
 SSYDFVRFGRNSFQMDGKPNKKSNGNNGNTYDYIRFG
 >FLP-25_Meloidogyne_javanica_M.Javanica_Scaff571g007708 peptide:
 M.Javanica_Scaff571g007708
 MFLFWMVSLFFIASVSTFSPVHKSEEEIFMPYEDSSLNDLYLITSLNKRPKHLINIFSLP
 NQQTNKLQLSPKQLKFLCNKFLKNSKEYERLLFLSKNINLCKKEEFITKISENEKRSS
 SSYDFVRFGRNSFQMDGKPNKKSNGNNGNTYDYIRFG
 >FLP-25_Ditylenchus_dipsaci FLP-25 predicted
 TICPNRALIKTFTAKRSTTYDFIRFGRSIPKSLTEKKEDKKASSTYDYIRFGKRSYV
 >FLP-25_Meloidogyne_arenaria FLP-25 predicted
 FYFKEKRSSSSYDFVRFGRNSFQMDGKPNKKSNGNNGNTYDYIRFG
 >FLP-25_Meloidogyne_enterolobii FLP-25 predicted
 FYFKEKRSSSSYDFVRFGRNSFQMDGKPNKKSNGNNGNTYDYIRFG
 >FLP-25_Meloidogyne_floridensis FLP-25 predicted
 FYFKEKRSSSSYDFVRFGRNSFQMDGKPNKKSNGNNGNTYDYIRFG
 >FLP-25_Meloidogyne_incognita FLP-25 predicted
 FYFKEKRSSSSYDFVRFGRNSFQMDGKPNKKSNGNNGNTYDYIRFG
 >FLP-25_Meloidogyne_javanica FLP-25 predicted
 FYFKEKRSSSSYDFVRFGRNSFQMDGKPNKKSNGNNGNTYDYIRFG
 >FLP-26_Ascaris_lumbricoides_ALUE_0000859401-mRNA-1 peptide:
 ALUE_0000859401-mRNA-1
 MFLDYSNIGNVKIRLLQLVFIFWQELLVVCQIHLRMMITSSFVAVLVLIIVHCAQEE
 DEDGVLPFRFVRSFPNNYLASDLALRFGKRHLTTLATEQRGTTDKKTEYGKDLLIQFQLN
 ALRSWEMNGSSKRRIGINEKRRIDINDLALRFGKRSSYSFDPSNLNLRFGKRSFGGMLEG
 FDEKRTFVIPTDLALRFGKK
 >FLP-26_Ascaris_suum_AgR034_g029_t04 peptide: AgR034_g029_t04
 MMITSSFVAVLVLIIVHCAQEEDEDGVLPFRFVRSFPNNYLASDLALRFGKRSWEMNG
 SSKRRIGINEKRRIDINDLALRFGKRSSYSFDPSNLNLRFGKRSFGGMLEGFDEKRTFVI
 PTDLALRFGKK
 >FLP-26_Gongylonema_pulchrum_GPUH_0001680701-mRNA-1 peptide:
 GPUH_0001680701-mRNA-1
 MGTVMSSVVLSDSKRDYVNEQQALRFGRSYTFDPSHLNLRFGKRAYESDPMEYANTRL
 GKRSSSVLDLLDDQRRKKAAPAAVYVPLNLADDLALRFGK
 >FLP-26_Toxocara_canis_Tcan_10403.1 peptide: Tcan_10403.1

MMIVSSFVATLMLTFAVHVCAQEDEVEDILPDRFIRSMRNYVPSDLALRFGKRSWATNE
NSKRRIDLNDLALRFGKRNSYVFDPSNLNLRFGKRSLADDFEMKRAFPVDDLALRFGRK
>FLP-26_Dracunculus_medinensis FLP-26 predicted
LCIYSSPQDAEKRIYNANDLALRFGKRGEFHYDPSSLSLRQILLKNH
>FLP-26_Parascaaris_equorum FLP-26 predicted
DXXXXXXXXXXXXXXXXXXXXXXXXXXXXRRIGSNEKRRFDINDLALRFGKRSSYPFDPSNLNLRSF
FSSNELKTALMLEDIINLKEVTISFDTSS
>FLP-26_Parascaaris_univalens FLP-26 predicted
KIEYGKDLPIQFYLNDRSWEMNGNSRRRIGSNEKRRFDINDLALRFGKRSFYFPDPSNLNLRSFSS
NELKTALMLEDIINLKEVTISFDTSS
>FLP-26_Ancylostoma_ceylanicum_Acey_s0121.g1013.t1 peptide:
Acey_s0121.g1013.t1
MHPARLLFLISVLIGSACRALYIPHDMQDLFLNTYDKRSRMTLEGVRIPMRYCQSTNHQA
ISSPEGGCIMQLQYGYRDPDKREFNADDLTLRFGKRGGEMAFHPNDLALRFGK
>FLP-26_Caenorhabditis_angaria_Cang_2012_03_13_00514.g11740.t1
peptide: Cang_2012_03_13_00514.g11740.t1
MQVGYTFAVVFALLICISIFSYPKLPVEFDEEYNPVVSKRHFYNNKQYKREFNADDLTLRF
GKRSDAMAFSPDQLSLRFGRRR
>FLP-26_Caenorhabditis_brenneri_CBN19897.1 peptide: CBN19897.1
MKAMFVLAILLGTLVATNAFRLPFQFFNSNEDFNGLAKRNYYESKPYKREFNADDLTLR
FGKRAGAGEQLAFSPDMLSLRFGK
>FLP-26_Caenorhabditis_briggsae_CBG10956a.1 peptide: CBG10956a.1
MKAVLLIAILLGSIAAVSAFRLPFQFFGSQEDFNGLAKRNYYESKPYKREFNADDLTLR
FGKRAGAGEPLAFSPDMLSLRFGK
>FLP-26_Caenorhabditis_inopinata_Sp34_X0198800.t1 peptide:
Sp34_X0198800.t1
MKVIFMLALLIGSLVVSNAFRLPFQLFDSNENYNNGLSKRNYYESKPYKREFNAEDLTLR
FGKRGGVGETLAFSPDMLSLRFGK
>FLP-26_Caenorhabditis_japonica_CJA10676.1 peptide: CJA10676.1
MQSIVLAALLLSALAITNAFHIPYGTLESRDDFAGPAKRAAYVVGKPFKREFNADDMLR
FGKRAGEPVAFSPDMLSLRFGK
>FLP-26_Caenorhabditis_latens_FL83_00252 peptide: FL83_00252
MKAMFVLAILLGSIVAISAFRLPFQFFGSNEDFNGLAKRNYYESKPYKREFNADDLTLR
FGKRGGAGDTLAFSPDMLSLRFGK
>FLP-26_Caenorhabditis_nigoni_Cni-flp-26 peptide: Cni-flp-26
MKAVLLIAILLGSIAAISAFRLPFQFFGSQEDFNGLAKRNYYESKPYKREFNADDLTLR
FGKRAGAGEPLAFSPDMLSLRFGK
>FLP-26_Caenorhabditis_remanei_CRE00570.1 peptide: CRE00570.1
MKAMFVLAILLGSIVAISAFRLPFQFFGSNEDFNGLAKRNYYESKPYKREFNADDLTLR
FGKRGGAGDTLAFSPDMLSLRFGK
>FLP-26_Caenorhabditis_tropicalis_Csp11.Scaffold570.g4228.t1
peptide: Csp11.Scaffold570.g4228.t1
MKAMFVLAILLGSLVATNAFRLPFQFFGSNEEFNGLAKRNYYESKPYKREFNADDLTLR
FGKRGGAGETLAFSPDMLSLRFGK
>FLP-26_Diploscapter_coronatus_DCO_024914 peptide: DCO_024914
MSPSSLLLSLLGLLAFCSSTFIHCIYIPDDLQNHRYFFGSIDKRAYLNNQEKREFNGDDLTL
LRFGKRSQSMFDPDSMLRFGK
>FLP-26_Heligmosomoides_polygyrus_HP0L_0002306401-mRNA-1 peptide:
HP0L_0002306401-mRNA-1
MTSCSSSDYEDIIQSIQSFLRLTELGNFIIGVRTTCTNQKREGNLKNLVVIFAQPNASDL
GEYLQPLLFSIPMMALRFGVDVYAFDYSGYGLSSGKPSSEKNIYADIRAMYDYVRLKRSK
K
>FLP-26_Heterorhabditis_bacteriophora_Hba_16592 peptide: Hba_16592
MNPTWLLLIIVFGLLVVSCGLYIPHDLQDIYMNNYEKRSQFNFPSLRPEKREFNTDDLTL

RFGSATS FHPEDLALRFGRK

>FLP-26_Mesorhabditis_belari_mbelari.g26211.t1 peptide:

mbelari.g26211.t1

MRQTIGSSSSFLQLIALVLLANLASAFYVPPYAEDYFMMNNPIMEKRTLGPYGGPRHEK

REFSADDLSLRFGKRSGRLAFNPEDLHLRFGRK

>FLP-26_Necator_americanus_NECAME_01178 peptide: NECAME_01178

MGILTAIFPVMYPGRLFLLISVLIGSACRALYIPHDIHSYSILTDPFDIGFEENYHRPRR

IPVKIGYRPDKREFNADDLTLRFGKRSGDMAFHPNDLALRFGR

>FLP-26_Oesophagostomum_dentatum_OESDEN_00079 peptide: OESDEN_00079

MHPARLLFLISVLIGSACRALYIPHDLDHDIANSYDKRSRMVIDGYRPDKREFNADDLTL

RFGKRGDAAFHPDDLALRFGR

>FLP-26_Oscheius_tipulae_OTIPU.n0t.2.0.1.t04110 peptide:

OTIPU.n0t.2.0.1.t04110

MRALFFSLLLAFIATLSSAFYVPRDDLYASSFEKRAKYYEYPRSELSSNHNKRDEFNGD

DLTLRFGRKRAFQPEDLALRFGRK

>FLP-26_Pristionchus_entomophagus_entomophagus-mkr-S124-3.8-mRNA-1

peptide: entomophagus-mkr-S124-3.8-mRNA-1

MTRTGSLTIIILLSLLALVAQSYILPYEAYNEDGYYYMPSSVAKRSSDMRHPAKREFNVDD

LTLRFGKRSSMSSFGADDLALRFGRRRR

>FLP-26_Pristionchus_fissidentatus_fissidentatus-sn_msk-S148-1.23-

mRNA-1 peptide: fissidentatus-sn_msk-S148-1.23-mRNA-1

MCYRKLPKLQKHSHTMTRTGLITMLLLALLTVFSQAYILPYEAYRDDGYFMPSSAAKRSS

HVRHQAKREFNVDDLTLRFGKRSPVLAQFNQDDLALRFGR

>FLP-26_Pristionchus_maxplancki_maxplancki-mkr-S346-0.5-mRNA-1

peptide: maxplancki-mkr-S346-0.5-mRNA-1

MTRTGQLMIIILLSLLALLSQAYILPYEPYAEDGYYYFPPSAVKRSSDHLRHATKREFNVDD

DLTLRFGKRSGGLSSFGADDLALRFGRMNVP LLVLLLAHSVVGQFLKDLIRHQGCSWK

TSSSWNRKLEFQGGSNKAGQLTKVDGHAGCYSMHGRVNVHEDVDEILIFLSVSTTGDT

SRPPDVCRDASPETGCGGVGSCLYCRPCESLGGLSKVLGAQLIVNGKVAGCEPLKKGIYE

DVELRFCLPNVQSLLEWQGISEKAIDNILAASSLDGNGIPKLSLFVTVYVFDKDVRSLLV

SQRKLEERIRKMKHVDVDDQLDSTTYWNL PFNQIISQOKFIGCHKLYGTVTISNQHWLQ

SAISYRYLDTMRIQRWSIKPRKPESDVFIHF EAQTDRTSFNTLRESICILGKALLIVTT

MLALLLVMFYFLVQEQDEV RQEFDRFVVLYGKTYDSAEKEGIAYAFFIENMLELERERSE

QPGKFALGDQSLFPIEGMQMFDGFKENVN RPAEYSLKDKATPVKNQGSCGSCWAFATVAS

VETANVIAGNNLIALSEQEMIECDTRNTGCRGGVRTYAMSFVVQNGLVPESTYPYTAKEG

EQCHIGNATKVF IKDFRLLSTSEDAMADWL FKTGPITFGMNVTRSLYSYRSGVFRPSEAD

CTQKSEGS HALTILGYGSERGQDYWL VKNSWGDYWGDDGYFKLARGANVCGMANNVVAPI

FS

>FLP-26_Pristionchus_mayeri_mayeri-mkr-S639-0.0-mRNA-1 peptide:

mayeri-mkr-S639-0.0-mRNA-1

MTSTGLLTIIILLSLLALLSQAYILPYEAYSDDGYYYMPSSADKRSSDHLRHA AKREFNVDD

LTLRFGKRSGLSFGSDDLALRFGRHAAPISKPNRIQVMKTVILL LPLLGSVLGQFLKLE

LIRHQGCSWKKSASWNRKLEFQGGSNKAGQLSRVEGHAGCYSMQGRVT VHEDVTDEILI

FLSVSTTGDTSRPPDVCRDADQETGCGGIGSCLYCRPCESLGGLSKVLGAQLIVNGKKG V

YDEVELRFCLPNVQSLLEWQGISEKAIDNILAASSVDGNGIPKLSLFVTVYVFDKDVRS L

LVSQRKLEDRIKMKHVEADDQLDSTTYWNL PFNQMIKNQQTFIGCHKLYGTGNPSSLAP

CASLDGTLLRANQRAMSSSFMSSSQGDSQSSDLLRMSYGTMLKVLIVTVVGMALCYAMMT

ALLNERDNVDREFRKFIATYGKSYESIEKMDQAYAFFRENLAELKREMGROPGVELGFHQ

WMDHHASTFSEKFALGDIIAPPMELTTPFTSFEEPVN RPAEFSLRDKATPVKNQGSCGS

CWAFATVASIETLNVIAGNPVLGLSEQEMIECDTRNQGCKGGVRTYAMSFVMQNGLV PES

TPYTAKEGEQCHIGNATKVF IKDFRLLMSTSEDAMADWL FKTGPITFGMNVTKAMYN YRS

GVFRPAEADCAQHSEGS HAMTIMGYGSEQGKDYWL VKNSWGDYWGDDGYFKLARGANVCG

MANNAVAPIFH

>FLP-26_Pristionchus_pacificus_PPA44898.1 peptide: PPA44898.1

MTRTGLLTIIILLSLLALLSRAYILPYEAYAEDGYFFPSVAKRSASDHLRHASKREFNVD
 DLTFRFGKRSGLSSFGADDLALRFGRRR
 >FLP-26_Caenorhabditis_elegans FLP-26
 MKVMFMLALLFSSLVATSAFRLPFQFFGANEDFNSGLTKRNYYESKPYKREFNADDLTLRFGKRGGAG
 EPLAFSPDMLSL
 RFGK
 >FLP-26_Ancylostoma_caninum FLP-26 predicted
 VFQTNVTIRSQPLIACVFSYRPDKREFNADDLTLRFGKRGGEIAFHPNDLALRFGR
 >FLP-26_Ancylostoma_duodenale FLP-26 predicted
 RSHCLKMLWNNTVSHVLPPLSLPDKRHIIRSPPLIACVFSYRPDKREFNADDLTLRFGKRGGEMAFHPN
 DLALRFGR
 >FLP-26_Caenorhabditis_sinica FLP-26 predicted
 FFQFFNSNEDFNGGLAKRNYYSKALKRQFNADDLTLRFGKRGGAGEPLAFSPDMLSLRFGK
 >FLP-26_Cylicostephanus_goldi FLP-26 predicted
 XX
 XX
 >FLP-26_Micoletzky_japonica_Micoletzky_japonica FLP-26 predicted
 TTVFHCSARPDKREFNVDLTLRFGKRSSNLANFNPDLLALRFGR
 >FLP-26_Pristionchus_arcanus FLP-26 predicted
 NMLFRRHATKREFNVDLTLRFGKRNGGLSSFGADDLALRFGRRR
 >FLP-26_Pristionchus_exspectatus FLP-26 predicted
 NASFRRHASKREFNVDLTLRFGKRSGLSSFGADDLALRFGRRR
 >FLP-26_Pristionchus_japonicus FLP-26 predicted
 FRNGSNLDFSKDFCQLLMIPWNKLLTKRKNLTKRIVNICRFISLTPCRPTPRMAITTSRPSDRHPI
 ICKFEISKYCLFISHTLSPVRAARAKFEIIPINSFRRHATKREFNVDLTLRFGKRSGLSSFGADDL
 ALRFGRRR
 >FLP-26_Strongylus_vulgaris FLP-26 predicted
 FSSYKTLGIQVKHMIRDAHCKKIXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 DLTFRFGKRGEMAFHPNDLALRFGRK
 >FLP-27_Ancylostoma_caninum_ANCCAN_10892 peptide: ANCCAN_10892
 MGLAPGATETHQPHAVVAVTSRQRQPRMQSPNALLVSMFAVLVLATLIPCNAEAQEFRPI
 LMNRRDLLPYGEIVSELKGKTMGGRMRFGKRSMNPYQFIPIEAMEAYERQQQI
 >FLP-27_Ancylostoma_ceylanicum_maker-ANCCEYDFT_Contig381-
 pred_gff_snap-gene-0.5-mRNA-1 peptide: maker-ANCCEYDFT_Contig381-
 pred_gff_snap-gene-0.5-mRNA-1
 MGLAPGATETHQAHAVVAVTSRQSQRPMQSPNALLVSMFAVLVLATLIPCNAEAQEFRPI
 LMNRRDLLPYGEIVSELKGKTMGGRMRFGKRSMNPYQFIPIEAEAYERQQQV
 >FLP-27_Caenorhabditis_brenneri_CBN08869.1 peptide: CBN08869.1
 MLSIQQVLAFLFVTIALMTFASAQPIDEDRPIFMERREASAFGDIIGELKGKGLGGRMR
 GKRSSAPDMSMAELRAIYGGGPVEYVQL
 >FLP-27_Caenorhabditis_briggsae_CBG02476.1 peptide: CBG02476.1
 MFSFRKFLAFMLIVIALMASFSSAQPIDEERPIFMERREASAFGDIIGELKGKGLGGRMR
 FGKRSSSPDISMAELRAIYGGGPVEYVQL
 >FLP-27_Caenorhabditis_inopinata_Sp34_20114100.t1 peptide:
 Sp34_20114100.t1
 MSSLQHIIVLLIAAVALITITSAQPIDENRPIFMERREASAFGDIIGELKGKGLGGRMR
 GKRSSSKDVSLPELRAIYGRVPVEYVQL
 >FLP-27_Caenorhabditis_latens_FL83_04387 peptide: FL83_04387
 MFSFRQTLALMIIAIAIMSYSQAQPIDEERPIYMERREASAFGDIIGELKGKGLGGRMR
 GKRSSSPDISLAELRAIYGGGPVEYVQL
 >FLP-27_Caenorhabditis_nigoni_Cni-flp-27 peptide: Cni-flp-27
 MFTFQKFLAFVLITVALMASFSSAQPIDEERPIFMERREASAFGDIIGELKGKGLGGRMR
 FGKRSSSPDISMAELRAIYGGGPVEYVQL
 >FLP-27_Caenorhabditis_remanei_CRE11809.1 peptide: CRE11809.1

MFSFRQILALMIVAIAIMSYSSAQPIDQDRPIFMERREASAFGDIIGELKGKGLGGRMRF
 GKRSSSPDISLAELRAIYGGGPVEYVQL
 >FLP-27_Caenorhabditis_sinica_Csp5_scaffold_00079.g3571.t1 peptide:
 Csp5_scaffold_00079.g3571.t1
 MTSQSPPVSFLSSFRACSGSSAFQKAWSSKEMWLFHKLNSFWCHFRYTNHRLQMFSFR
 QFLALLLVAIALMAFSSAQPIDEDRPIFMERREASAFGDIIGELKGKGLGGRMRFGKRSS
 SPDISLAELRALYGGGPVEYVQL
 >FLP-27_Micoletzky_japonica_MicoRS5524-mkr-S125-1.83-mRNA-1
 peptide: MicoRS5524-mkr-S125-1.83-mRNA-1
 MALPLFLRLLLGLVAILTVSAYDDMQPILMDRRDLSPFGDIVSDLKSKTLGGRMRFGKR
 SGPVAPLSAQEWRANYLSGY
 >FLP-27_Necator_americanus_NECAME_14245 peptide: NECAME_14245
 MGLAPTETHLTNTVSYSRQRQSKMQPQHTLLITVLAIFVLAAFIPSTVEAQEYGPILMNR
 RDLLPYGEIVSELKGKTMGGRMRFGKRSGNALHFVPAVVLDAYEHQQQQQL
 >FLP-27_Oesophagostomum_dentatum_OESDEN_13316 peptide: OESDEN_13316
 MGLAPTAPETHQLKAVAVVTKRARQSRMQSSPAFLCSMFALLVLAALIPSGTEAQEYRPI
 IMNRRDLVPYGEIVSELKGKTMGGRMRFGKRSMSPYLVNPVEAMDAYERQQQF
 >FLP-27_Oscheius_tipulae_OTIPU.n0t.2.0.1.t12605 peptide:
 OTIPU.n0t.2.0.1.t12605
 MLAVQIALALVFSLLLIVEPVQGQDLEKPIQMDRREVGALGDIVTELKGKSMGGRMRFGK
 RAMMPHYLPQRPHYVMEEDDFVY
 >FLP-27_Pristionchus_arcanus_PARCANUS000017359.t1 peptide:
 PARCANUS000017359.t1
 FSNRFIRMASLIQMALLLSLLLITLCTVQAFDDYHPILMDRRDSSFNLDDLKSQALGGRM
 RFGKRSGGGGKMFRLLNEWRSQLFDRPI
 >FLP-27_Pristionchus_entomophagus_entomophagus-mkr-S1-10.51-mRNA-1
 peptide: entomophagus-mkr-S1-10.51-mRNA-1
 MASLIQMALFLSILLITLCTVQAFDDFRPILMDRRDAPFNELNGLKTQTIGGRMRFGKR
 SGEGEATMRLNQWRPQQFNRPF
 >FLP-27_Pristionchus_exspectatus_exspectatus-mkr-S_44-2.1-mRNA-1
 peptide: exspectatus-mkr-S_44-2.1-mRNA-1
 MASLIQMVLILLSLLLITLCTVQAFDDYHPILMDRRDSSFNLDDLKSQALGGRMRFGKRSG
 GGGKMLRLNEWRSQLFDRPI
 >FLP-27_Pristionchus_fissidentatus_fissidentatus-mkr-S47-7.3-mRNA-1
 peptide: fissidentatus-mkr-S47-7.3-mRNA-1
 MPSLLQMVLILLSLLLITLSTVASFDEFHPILMDRRDAPFGGLLNDLKTQTLGGRMRFGKR
 SGGVESDSHNALQQLHQWRSQLLNRPL
 >FLP-27_Pristionchus_japonicus_japonicus-mkr-S154-0.24-mRNA-1
 peptide: japonicus-mkr-S154-0.24-mRNA-1
 MVAPSKSKDGKKKKDKKEPPSSGGADHKEDAARPITIDCPKSAVAEGKGEKGLPNCVS
 FFPEVVITYQPENKKQIRNLEVKNKGDRSIMYKMKSTSPGVYMRPIHFILRPGENKIIKL
 SYKGCPCDGKAPNLKDRFTVVMAYPPGVESNVKLMWTQKAYVEKIAECTHRKYIKVHFDGY
 DVPDKKPASKMVAPPSAPPPAAAAAPAAAAAPPQGGWPGMGGGGGIVYVIYQGDQQG
 GGGPPPSEGQDDEKMAPLLSLLLITLCSVQAFDDYHPILMDRRDAPFNLIHDLKSQTLGG
 RMRFGKRSGEGGSMLRLNQWRSQLFDRPI
 >FLP-27_Pristionchus_maxplancki_maxplancki-mkr-S51-4.39-mRNA-1
 peptide: maxplancki-mkr-S51-4.39-mRNA-1
 MASLIQMALILLSLLLITFCTVQAFDDYHPILMDRRDAPFNIIHDLKSQTLGGRMRFGKRS
 EGGSMLRLNQWRSQLFDRPM
 >FLP-27_Pristionchus_pacificus_PPA35587.1 peptide: PPA35587.1
 MASLIQMVLILLSLLLITLCTVQAFDDYHPILMDRRDSSFNLDDLKSQALGGRMRFGKRSE
 GGGKMLRLNEWRSQLFDRPI
 >FLP-27_Caenorhabditis_japonica FLP-27 predicted
 RLFYVFFYRYWWLKSEKQTNAHHNFSILRFGKRSSSPDMRLAE

>FLP-27_Caenorhabditis_tropicalis FLP-27 predicted
NSKKRRSCHAFLLTFLWILLCFLAVGTYSQDDPTFPFGTNKLIQMNNYRFGKRSSSPDMSLAELRAIY
GGGPVEYVQL

>FLP-27_Caenorhabditis_elegans FLP-27
MFSLTQILTFLLVAITLMTFSSAQPIDEERPIFMERREASAFGDIIGELKGKGLGGRMRFGKRSSSPD
ISLAEMRAIYGG
DQSNIFNFK

>FLP-28_Ancylostoma_caninum_ANCCAN_02791 peptide: ANCCAN_02791
MLSARAVFALLYMLLIAVAVVNSAPNRILMRFGKRTSDPLHVRPMVPVDYYPLELLGSSR
AVDGDM

>FLP-28_Ancylostoma_ceylanicum_Acey_s0223.g2681.t2 peptide:
Acey_s0223.g2681.t2
MLSARAVFALLYMLLIAVAVVNSAPNRILMRFGKRTSDPLHLRPMVPVDYYPLELLGSSR
AVDGDM

>FLP-28_Ancylostoma_duodenale_ANCDU0_01868 peptide: ANCDU0_01868
MMLSARAVFALLYMLLIAVAVVNSAPNRILMRFGKRTSDPLHFRPMVPVDYYPLELLGSS
RAVDGDM

>FLP-28_Angiostrongylus_costaricensis_ACOC_0000054801-mRNA-1
peptide: ACOC_0000054801-mRNA-1
MASTGHGGPIVMFCDLGFTEAIASSKFYTVLVAAGPSQDENSSKNRQQFKRFRGEPPIRFG
KRVPREPISEHIVQVAMFNLNHAHLKQKNREPTIQRYATFLQQASRNSRKAGMDASGI
MMSARTFLTIFCILLFTVLYTSSAPNRILMRFGKRATNTVPYAFVPLPDYYRVDLRRLTA
LFTTTLTETFGHKRKYCSVERQKTAHMVIVFHPQIEEVSEDRTEDRKASEQIEKKQLANV
YSSAEELAPLSLSFNPSLMDGNNRTRLINNATIR

>FLP-28_Ascaris_lumbricoides_ALUE_0000468401-mRNA-1 peptide:
ALUE_0000468401-mRNA-1
MDSRQLVLLTLLAIMLVTLKSNTVVDAAPNKILMRFGKRTLPLDRNLDEWITEKDLDNLH
NLYYLLRESGEQ

>FLP-28_Ascaris_suum_AgR027X_g063_t01 peptide: AgR027X_g063_t01
NRISMRAHHAPCPQCCQFVIVSLPSVVSETIRPMDSRQLVLLTLLAIMLVTLKSNTVVDA
APNKILMRFGKRTLPLDRNLDEWITEKDLDNLHNLNYLLRESGEQ

>FLP-28_Caenorhabditis_brenneri_CBN32882.1 peptide: CBN32882.1
MPSGSDLLNNTSFLVQKSWNAAPNRVLMRFGKRGGNSEGHLGYRYVPAAASAI AEYIDVD
DMFGGQDRF

>FLP-28_Caenorhabditis_briggsae_CBG01976.1 peptide: CBG01976.1
MFSVRSFVALFCVLILAFSAVNAAPNRVLMRFGKRGGNSEGNLGYRYVPAAAPAI AEYID
VDDVLGGQDRF

>FLP-28_Caenorhabditis_inopinata_Sp34__X0065300.t1 peptide:
Sp34_X0065300.t1
MFSVRSISAIFCVIIILVLSTISAAPNRVLMRFGKRGGNSEGHLGYHYAPAAVPAI AEYID
VDDVFGGQDHF

>FLP-28_Caenorhabditis_japonica_CJA18541.1 peptide: CJA18541.1
MFSARSILAIFCALILALSTINAAPNRVLMRFGKRGGASEGHVGYRFVPAAGPAI AEYID
VDDSLLSQDRF

>FLP-28_Parascaris_equorum_PEQ_0001031001-mRNA-1 peptide:
PEQ_0001031001-mRNA-1
MDSRQLAFLSLLAILLVTLKTNTVVDAAPNKILMRFGKRTFPLDRNLDEWITEKVCLFVS

>FLP-28_Toxocara_canis_TCNE_0001561101-mRNA-1 peptide:
TCNE_0001561101-mRNA-1
MNATVDETTTPMNSRHL LLLALFATLLAVFNSKTDVDAAPNKILMRFGKR TYVGDRNPDE
WITEKDIANLRNLYYLMREGGDQOGTR

>FLP-28_Caenorhabditis_elegans FLP-28
MFSVRSIFAIFCVLILALSTINAAPNRVLMRFGKRGGNSEGHLGYRFVPAGAPAI AEYIDVDDVIGGD
DRF

>FLP-28_Anisakis_simplex FLP-28 predicted
 LTIFIQLNMVGLMNSRQDNVIVVLFVVTLLISVFHSNSMYVECAPNKILMRFGKRTYSLNDINTNNRYL
 HESTLTGKVHLFLCYSFLIYYGIHTRFNHNYACISIRELIPSGSVGALIHINQ

>FLP-28_Dracunculus_medinensis FLP-28 predicted
 LIIDRLITMNQYFISLFLMIILLINMHMLTAAPNKILMRFGKRNYYFPDYKTFDKVRFLFLFKLNLT
 ENNYEKK

>FLP-28_Parascaris_univalens FLP-28 predicted
 NKAATKVSETTGPMDSRQLAFLSLLAILLVTLKTNTVVDAAPNKILMRFGKRTFPLDRNLDEWITEKV
 CLSVS

>FLP-28_Caenorhabditis_latens_FL83_01389 peptide: FL83_01389
 MFSVRSILALFCLLILALSTINAAPNRVLMRFGKRGGNSEGLGYRFVPAAASAYAEYID
 VDDVLGGQDRF

>FLP-28_Caenorhabditis_nigoni_Cni-flp-28 peptide: Cni-flp-28
 MFSVRSFVALFCVLILAFSAVNAAPNRVLMRFGKRGGNSEGNLGYRYVPAAAPAIAYEYID
 VDDVLGGQDRF

>FLP-28_Caenorhabditis_remanei_CRE03200.1 peptide: CRE03200.1
 MFSVRSILALFCLLILALSTINAAPNRVLMRFGKRGGNSEGLGYRFVPAAASTYAEYID
 VDDVLGGQDRF

>FLP-28_Caenorhabditis_tropicalis_Csp11.Scaffold629.g13663.t1
 peptide: Csp11.Scaffold629.g13663.t1
 MFSVRSILALFCLVLMALTTINAAPNRVLMRFGKRGGNSEGLGYRYVPAVAPAIAYEYID
 VDDVLGGQDRF

>FLP-28_Cylicostephanus_goldi_CGOC_0000389601-mRNA-1 peptide:
 CGOC_0000389601-mRNA-1
 MFSARTVFVLFYTLTLLAVAIIVSAAPNRILMRFGKRAPVQYRPFVPSDYYPVELLGSSRG
 ADGDM

>FLP-28_Haemonchus_contortus_HCON_00187985-00001 peptide:
 HCON_00187985-00001
 MSSTRAVLALFYMLLFSAIAIVTSVPNRIFMRFGKRNVDLAEYRNPLPADYFPVELIGTSR
 FTDGDM

>FLP-28_Haemonchus_placei_HPLM_0000601601-mRNA-1 peptide:
 HPLM_0000601601-mRNA-1
 MSSTRAVLALFYMLLFSAIAIVTSVPNRIFMRFGKRNVDLAEFRNPLPAEYFPVELIG

>FLP-28_Heligmosomoides_polygyrus_HPBE_0000807001-mRNA-1 peptide:
 HPBE_0000807001-mRNA-1
 MLSTRAVLALFYMLLFGIVIVTSAPNRILMRFGKRTIRSDSSGQVEDRFGPESPPHSRQ
 RKQVMLKFRLS

>FLP-28_Micoletzky_japonica_MicoRS5524-mkr-S355-0.24-mRNA-1
 peptide: MicoRS5524-mkr-S355-0.24-mRNA-1
 MNTRSLALFMVFVCIAALATAAPNRVLMRFGKRSRAFDDAAMVNAPLAFYGRGPYVPYG
 AFEADAE

>FLP-28_Oesophagostomum_dentatum_OESDEN_06709 peptide: OESDEN_06709
 MLSARAVLVLLYTLTLLIAVAVVSAAPNRILMRFGKRTADPQPFQPMVPSEYFPVELLGSSR
 AVDTDM

>FLP-28_Parapristionchus_gibbindavisi_Parapristionchus-mkr-S_7-1.11-
 mRNA-1 peptide: Parapristionchus-mkr-S_7-1.11-mRNA-1
 MNSRFVLALLVVVFALVACVTAAPNRVLMRFGKRSPVPLDEADFAPYRYSAYKAMYNPMM
 ALGGEAGDLEM

>FLP-28_Pristionchus_arcanus_arcanus-ag_msk-S_11-7.41-mRNA-1
 peptide: arcanus-ag_msk-S_11-7.41-mRNA-1
 MNARQFIALILAFLYIVTLASAAPSRVLMRFGKRAVAGSRFDFHELPVASYGFLPYGAVN
 PQYEGFDESSVDQ

>FLP-28_Pristionchus_entomophagus_entomophagus-mkr-S131-0.7-mRNA-1
 peptide: entomophagus-mkr-S131-0.7-mRNA-1

MNTRQFIILLLSIVYLMAALTTAAPSRVLMRFGKRSSAARLDAPEVPAASYGFLPYGALY
 PQFEGFEDGIADQ
 >FLP-28_Pristionchus_exspectatus_exspectatus-mkr-S_589-0.37-mRNA-1
 peptide: expectatus-mkr-S_589-0.37-mRNA-1
 SGTPTVIMNARQFVALVLALIYIVTLASAAPSRVLMRFGKRAVAGSRFDFHELPVASYGF
 LPYGAVNPQFEGFEESVDQ
 >FLP-28_Pristionchus_fissidentatus_fissidentatus-ag_msk-S6-5.14-
 mRNA-1 peptide: fissidentatus-ag_msk-S6-5.14-mRNA-1
 MNTRQFVALLLAVCYLVAAVSAAPSRVMMRFGKRAAGAALLEPQAQHADAAMPYAFLPYG
 AMFPQFEGFEDGVLADQ
 >FLP-28_Pristionchus_japonicus_japonicus-mkr-S39-1.43-mRNA-1
 peptide: japonicus-mkr-S39-1.43-mRNA-1
 TPALIMNARKFIALVLTFVYIVALASAAPSRVLMRFGKRAAAASRFDAHEIPAASYGFLP
 YGALYPQFEGFEDSAADQ
 >FLP-28_Pristionchus_maxplancki_maxplancki-mkr-S210-1.63-mRNA-1
 peptide: maxplancki-mkr-S210-1.63-mRNA-1
 MNARQFIALVLALVYVVALANAAPSRVLMRFGKRAAAASRFDAHDIPAASYGFLPYGALY
 PQFEGFEDSAVDHPKNSSVSMRLIHSMDLEPYTSFHISIVMVVGGEIVASRTKAIPVE
 NSAHVATIAKCEEC
 >FLP-28_Pristionchus_mayeri_mayeri-mkr-S241-5.24-mRNA-1 peptide:
 mayeri-mkr-S241-5.24-mRNA-1
 VPHEMNARQLIALLLAFVCLVTPLTTAAPSRVLMRFGKRAAAARFETPEIAAASYGFLP
 YGALYPQFEGFEDAPAVDQ
 >FLP-28_Pristionchus_pacificus_PPA39822.1 peptide: PPA39822.1
 SGTPAVIMNARQFIALVLALLYIVTLASAAPSRVLMRFGKRAVAASRFDFHELPVASYGF
 LPYGAVNPQFEGFEESVDQ
 >FLP-28_Strongylus_vulgaris_SVUK_0001106701-mRNA-1 peptide:
 SVUK_0001106701-mRNA-1
 MKRIGLVAVLPAVTSQQWIIQAHSYIAPAVAQESARTKRRIMLSARAIYALLYTLLIAVAI
 VSAAPNRILMRFGKRTADPVQYRPFVPADYYPVELLGYVPCFPV
 >FLP-28_Angiostrongylus_cantonensis FLP-28 predicted
 SLLSISGIMLSARTFLTLCILLFTVLYTSAAPNRILMRFGKRATNTVPYALVPLPDYYRVDLRRYVQ
 QEFLVRN
 >FLP-28_Caenorhabditis_angaria FLP-28 predicted
 GFPPKKKHTLTHLPTPTPTVYKSKHIYAFLFKNKAPPTSSQHGAHLTYIFIPHSCVFLNFSFFREK
 NWVIFLGMFSAKSILAFCLIMLVAFVSAAPNRVLMRFGKRAAQSAPLGYRFVPESVPLMEYYE
 >FLP-28_Dictyocaulus_viviparus FLP-28 predicted
 VTIKVSMLSARTLLIFFCMLLFSLLTIPAAPHRILMRFGKRTNHLMTWQTNDSRTEFLTSPYYYPAE
 VLRYIQYILLFSDLKVVHFRFWYSLTSFVFFINLQI
 >FLP-28_Diploscapter_coronatus FLP-28 predicted
 KLMEFSNFFPKIMCLNFRIFEILKILAASNRVLMRFGKRSPVLLPLSRGMPLNGNNFAEYFE
 >FLP-28_Diploscapter_pachys FLP-28 predicted
 NFFFSIFEILKILAASNRVLMRFGKRSSVLLPLSRGMPLNGNNFAEYFE
 >FLP-28_Heterorhabditis_bacteriophora FLP-28 predicted
 KELIFFSFYTSNRDNLNRFDLIPTYLGIMSARLMVTVFCFLLISMAMVSAAPNRILMRFGKRSSEP
 VHLRLTGPGEYYPFEFVGSVPDNINVANIIYVNKILVYTYLTNSINYI
 >FLP-28_Mesorhabditis_belari FLP-28 predicted
 FQLQPFLHRYPKATPKMLTKALVWLCALLMIVSLVSAAPNRILMRFGKRSAPITGFPYEPVYVYSAEP
 R
 >FLP-28_Necator_americanus FLP-28 predicted
 ADKKHKNHLPVGMLSARVVLALLYMLMITVAIATAAPNRILMRFGKRTADPMHFRPMAPADYYPQELF
 G
 >FLP-28_Nippostrongylus_brasiliensis FLP-28 predicted
 IIHLEKNEKHSNSSTPVRALREQLIKSFLTITTNSFIHSFISEADMLSTRAVLGLLYVLLCGIVLVHS

VPNRILMRFGKRTMDPVNFRAIVPAEYYPVELLG
 >FLP-28_Oscheius_tipulae FLP-28 predicted
 NKPDWNGRVVFGAVSFQQYFLINQSPQTHSHSGTMLNIRFLLALLVVLVVCSTVSLAAPNRILMRFG
 KRAVGGPVHLGGEYVPVDYIGWVFWTNVRSALFSLPYGPDNDF
 >FLP-28_Teladorsagia_circumcincta FLP-28 predicted
 SISLLIEPYSRTTKPILSGIQPSMRIQLEFGLPVSKSFFLGSMSTRAVLALFYVLVFGIVIVTSAPN
 RIFMRFGKRNIDSAGYRFPLPGEYFPIELG
 >FLP-28_Parastrongyloides_trichosuri_PTRK_0000786400.1 peptide:
 PTRK_0000786400.1
 MTPIGITKVFILIMIIIFMSSSQTTVAAPNRVMMRFGKRFSSFENEHPYNLHPLLQFEGSP
 ENIYRLTSYINRNQLYPMIPEIDM
 >FLP-28_Rhabditophanes.sp.KR3021_RSKR_0000795400.1 peptide:
 RSKR_0000795400.1
 MVADNKSSISLKCLVAFMIIFMFTTQLTDAAPSRVMMRFGKRLAPSYGNLFEGNQDYYQG
 EPDPPEEVMKLHTYLSRNQMFPVIFDD
 >FLP-28_Steinernema_carpocapsae_L596_g3143.t1 peptide: L596_g3143.t1
 MSPRTLALLAILVLLISSISSAAPNRILMRFGSRSDPNLRPNAGLPSSFFRSFDASRFGD
 DAPSAGGNLYDPVE
 >FLP-28_Steinernema_feltiae_L889_g30048.t1 peptide: L889_g30048.t1
 MLYEQEEDQLISLVLNHSHFLNPKTIISYYDVCNWIVDLHGKWKQNVCSSSAQDIKVL
 LLPFKSLVQSDSRQSKHVISMQQKQLIAVCLILTVICVVESAPNRILMRFGKRVYHQPA
 VGSSDHDIGSDYTYQYHNQPNYEILQNLGR
 >FLP-28_Steinernema_monticolum_L898_g3110.t1 peptide: L898_g3110.t1
 MSPRAVLLAIFVLLVSSSIGQSAPNRILMRFGSRSDPSLRQNLSPNFFKAFEDSRFDSEGP
 SADSHYLFEP
 >FLP-28_Steinernema_scapterisci_L892_g1314.t1 peptide: L892_g1314.t1
 MPVYSLISVFRWCSDFPSIRLSNSRIPFPPAQKMMLTRKHLLVACLILAAIFSSDAAP
 NRILMRFGKRGYQHQHSTAAPDYDDGSDYVYHYGTEEEVDNANRY
 >FLP-28_Strongyloides_ratti_SRAE_X000120600.1 peptide:
 SRAE_X000120600.1
 MATIQISYGAPNRVMMRFGKRFAPYVVGHPFYQNSIYQHDDAPDNAYKINSYLNKNQFPF
 VVIENN
 >FLP-28_Strongyloides_venezuelensis_SVE_0144200.1 peptide:
 SVE_0144200.1
 MIALMVTQVSIGAPNRVMMRFGKRFPTPIENDRLLSYHRPLLQYEGSSDNNYKFNSYLHK
 NPLFPVIIDNN
 >FLP-28_Steinernema_glaseri FLP-28 predicted
 SENKAPVVSYSTPTATLFVRLLECSEIRHHPLFSASKQLSPPATVPHFRRSMSPRILVALLLLIG
 SSIGQAAPNRILMRFGSRSDPALRQNVAAASQDVFRPFEGAPRFGSDSLAPGNFVFEPVE
 >FLP-28_Strongyloides_papillosus FLP-28 predicted
 INFLLCFNSFFYRDLKLTIMASLKFTKTFIFMIAFMVTFQVSLGAPNRVMMRFGKRFPTPIENDRLL
 SYHRPLLQYEGSSDNNYKFNSYLHKNPLFPVIIDNN
 >FLP-28_Strongyloides_stercoralis FLP-28 predicted
 FFRSKVKTNMTSLRLTIITFIFVFAFMGTLHLSYSAPNRVMMRFGKRFPTPYVIDHSSYQYPFFQHEG
 FPDNFYKINSYINKNQPFPAVIESN
 >FLP-31_Meloidogyne_arenaria_M.Arenaria_Scaff6937g061121 peptide:
 M.Arenaria_Scaff6937g061121
 MQPFNNPHLPFSQRQIFTLFVWFLVISILLTFDGTSALQGASEMETDVLEDDQIVVPW
 KKLYRPRGPPRFGKRGFLVMNRQRNFPE
 >FLP-31_Meloidogyne_javanica_M.Javanica_Scaff7742g049294 peptide:
 M.Javanica_Scaff7742g049294
 MQPFNNPHLPFSQRQIFTLFVWFLVISILLTFDGTSALQGASEMETDVLEDDQIVVPW
 KKLYRPRGPPRFGKRGFLVMNRQRNFPE
 >FLP-31_Meloidogyne_enterolobii FLP-31 predicted

KGNNSKNKLLGKKLYRPRGPPRFGKRGLLVMNRQRNFPE
 >FLP-31_Meloidogyne_floridensis FLP-31 predicted
 IYNSKNKLFSGKKLYRPRGPPRFGKRGLFVMNRQRNFPE
 >FLP-31_Meloidogyne_graminicola FLP-31 predicted
 SFFLLGKKLYRPRGPPRFGKRGLILMNRHNNYQE
 >FLP-31_Meloidogyne_hapla FLP-31 predicted
 MCLKTIRLLFHVSVFNFKKFQKTKKFQKKLLGKKLYRPRGPPRFGKRGLLVMNRQRNFPV
 >FLP-31_Meloidogyne_incognita FLP-31 predicted
 HHYQRIMQPFNNPHLPFSQRQIFTLFVWFLVISILLTFDGTSLVQGASEMETDVLEDDQIVVPWKK
 LYRPRGPPRFGKRGLLVMNRQRNFPE
 >FLP-32_Ancylostoma_ceylanicum_Acey_s0033.g2719.t1 peptide:
 Acey_s0033.g2719.t1
 MLARSVVFTLLFTILIVDAALPRLPAKKAMRNSLVRFGKRGDMSDSVFQGESLGPGESD
 GLFFEREQQRIPVQYSYY
 >FLP-32_Ancylostoma_duodenale_ANCDU0_19190 peptide: ANCDU0_19190
 MEECRRVLRPAKKAMRNSLVRFGKRGDMSDSVFQGESLGPGESDGLFFEREQQRIPVQYS
 YY
 >FLP-32_Angiostrongylus_costaricensis_ACOC_0000284201-mRNA-1
 peptide: ACO_0000284201-mRNA-1
 MLFYSISSLGLSDGWAQRSLRVGGERVGHSPPTIRKAAMLVRSIVLTLFISFLVIDAAV
 PRLPAKKAMRNSLVRFGKRADLSDTVFLGESFGPVDTDGLYFERTQPQNYAQFPYY
 >FLP-32_Caenorhabditis_angaria_Cang_2012_03_13_00157.g5854.t1
 peptide: Cang_2012_03_13_00157.g5854.t1
 MLSFVHTLILALLCSIIIFVEAMPRNRPAAKKAMRNSLVRFGKRGGEQLAADDVFLGESYG
 PVETYEQFRGDSYANQAPSVIFY
 >FLP-32_Caenorhabditis_brenneri_CBN17525.1 peptide: CBN17525.1
 MLSFVHTLILALLCSIVFVEAMPSMRPAKKAMRNSLVRFGKRADPIVSDDVFLGESYGS
 DPYEYVPEHMSNRGASPVLLY
 >FLP-32_Caenorhabditis_briggsae_CBG07702.1 peptide: CBG07702.1
 MLSFVRTLIFALLCSIVFVEAMPSMRPAKKAMRNSLVRFGKRADPIGSDDVFLGESFGSV
 GPYEYAPERMSNRGGSPVLLY
 >FLP-32_Caenorhabditis_inopinata_Sp34_X0133400.t1 peptide:
 Sp34_X0133400.t1
 MLSFVHTLILALLCSIVFVEGMPSMRPSKKAMRNSLVRFGKRADPVGSDDVFLGESYGS
 DPYEYVPERLSIREMPVLLY
 >FLP-32_Caenorhabditis_japonica_CJA12197.2 peptide: CJA12197.2
 MLSFVHTLILALIFSMVFVEGMPSMRPAKKAMRNSLVRFGKRADTVRSDDVFLGEVYGAP
 DSYEYVPKHMSNPAPSVFLY
 >FLP-32_Caenorhabditis_latens_FL83_01786 peptide: FL83_01786
 MLSFVHTLILALLCSIVFVEAMPSMRPAKKAMRNSLVRFGKRADPVVSDDVFLGESYGSV
 DPYVYVPEHMSNRGASSVLLY
 >FLP-32_Caenorhabditis_nigoni_Cni-flp-32 peptide: Cni-flp-32
 MLSFVRTLILALLCSIVFVEAMPSMRPAKKAMRNSLVRFGKRADPIGSDDVFLGESFGSV
 DPYEYAPERMSNRGASPVLLY
 >FLP-32_Caenorhabditis_ramanei_FLP82_02366 peptide: FL82_02366
 RKSGRSLTEAGSLLKAPCQVNHAPRRLHSYDMLSFVHTLILALLCSIVFVEAMPSMRPAK
 KAMRNSLVRFGKRADPVVSDDVFLGESYGSVDPYEYVPEHMSNRGASSVLLY
 >FLP-32_Dictyocaulus_viviparus_nDv.1.0.1.t02270 peptide:
 nDv.1.0.1.t02270
 XLLRPAKKAMRNSLVRFGKRADFSNGIILGESFGPIETDGTYFEQARPLNFIQYHPYY
 >FLP-32_Diploscapter_coronatus_DC0_025106 peptide: DC0_025106
 MQFSKLKFLIALIASCLVILATASPARPIFDKRAMRNSLVRFGKRADPLYQGDDFGPDGY
 IESYAGHRMPALYIY
 >FLP-32_Heligosomoides_polygyrus_HP0L_0001698301-mRNA-1 peptide:

HPOL_0001698301-mRNA-1
MLARSLVLTLLISALIVDAALPRLRPAKKAMRNSLVRFGKRADLSDGPVFLGESFGPEES
SGYYSALAPARKPSQYFLY
>FLP-32_Mesorhabditis_belari_mbelari.g6261.t1 peptide:
mbelari.g6261.t1
MAPLRSLIIFLLGLLAISSVFAYPRHFEKRAMRNSLVRFGKRSDILQDSMESPLSSGREI
FVVDPTLLP
>FLP-32_Necator_americanus_NECAME_07322 peptide: NECAME_07322
MLARSIVFTLLFTILIVDAALPRLRPAKKAMRNSLVRFGKRGDVSDNVFLGESFGPGETD
GLYFEREQPKIPVQYSYY
>FLP-32_Nippostrongylus_brasiliensis_NBR_0000718701-mRNA-1 peptide:
NBR_0000718701-mRNA-1
MLARFVVLTLISVLLVDATLRLRPAKKAMRNSLVRFGKRADLVEPVYLGKSELMREA
FGPAESEELYDAINQARKPSPYFYF
>FLP-32_Oesophagostomum_dentatum_OESDEN_01360 peptide: OESDEN_01360
MLARSVVFTLLITILVVDAAIPRLRPAKKAMRNSLVRFGKRSDYPDVFLGESVGPSETDG
LYFERDQQRAPVFHSYY
>FLP-32_Oscheius_tipulae_OTIPU.n0t.2.0.1.t07025 peptide:
OTIPU.n0t.2.0.1.t07025
MASSHVLVFLVCSLVISEAVPRLRPAKKAMRNSLVRFGKRADYDVLPQDFQGGSYDPSQ
DSLEGFFPDSLHPIIYY
>FLP-32_Pristionchus_fissidentatus_PRIFISSI000018776.t1 peptide:
PRIFISSI000018776.t1
MQFRSFLVFFVIALAVNAMANRPAKKAMRNSLVRFGKRSAAASPDISAELPAYGRWEYLN
RVALDGAD
>FLP-32_Pristionchus_japonicus_TRINITY_c32791_g1_i1_loc1.t1 peptide:
TRINITY_c32791_g1_i1_loc1.t1
PIFSSSSSIMQFRSFIVFLVALLAVDAMANRPSKKAMRNSLVRFGKRSAAAASDFSAEA
APSYARWEYLNRLAAMDGADGYNL
>FLP-32_Pristionchus_pacificus_PPA20622.1 peptide: PPA20622.1
MQFRSFIVFMVLALLAVDAMANRPSKKAMRNSLVRFGKRSAAAPSDFSAEAAPSYARWEY
LNRLAALDGADNGYNL
>FLP-32_Ancylostoma_caninum FLP-32 predicted
LWEQYNCRLRPAKKAMRNSLVRFGKRGDMSDSVFQGTYSLLWIIPK
>FLP-32_Angiostrongylus_cantonensis FLP-32 predicted
CYSLRPAKKAMRNSLVRFGKRDLSDAVFLGQICINHFDELSFGSQILQQFSHYLLTYLIFT
>FLP-32_Caenorhabditis_sinica FLP-32 predicted
NVSSRSTRVVTNTSQVGVHKENGSSFFSMRPAKKAMRNSLVRFGKRADPVGADDVFLGEY
>FLP-32_Caenorhabditis_tropicalis FLP-32 predicted
EVSFFSMRPAKKAMRNSLVRFGKRADPIASDDVFLGKLLAHSTLTNSILSGESYGSAADPYEYVPEHMS
NRAASPVLLY
>FLP-32_Cylicostephanus_goldi FLP-32 predicted
XXKRFEIYFFQRKYFLRLRPSKKAMR
NSLVRFGKRSDVPDNVFLGKNPLFLYIFYFSNWIAISRRIFFRAE
>FLP-32_Diploscapter_pachys FLP-32 predicted
MTSIFRIIYAVVYKNSKFFDVWFVKCAQSFARRKKLVVPIAQPLNHAGSPSAVCRRALSIAGARIEIV
MFFEENCKTYNVQNRHLTKEIAKIIIFRPIFDKRAMRNSLVRFGKRADSLYQGKKGK
>FLP-32_Heterorhabditis_bacteriophora FLP-32 predicted
KALAIQKQNIILTFCNLAHFRSRPAKKAMRNSLVRFGKRDTPTDNAVFLGKKTNNEYEIVLLITELVM
TNFLFAAYNYFTLACKV
>FLP-32_Micoletzkyia_japonica_Micoletzkyia_japonica FLP-32 predicted
RRYFISNSALFFRPSKKAMRNSLVRFGKRAALPEQGEYVPVDERWAAFLDRAGLVDGEYQY
>FLP-32_Parapristionchus_gibbindavisi FLP-32 predicted
LITFHFSPSKAMRNSLVRFGKRAFPLDGSEELAVDPKWALFYNRNIDGEGYYAQ

>FLP-32_Pristionchus_arcanus FLP-32 predicted
CIRPSKKAMRNSLVRFGKRSAPSDFSAE

>FLP-32_Pristionchus_entomophagus FLP-32 predicted
KDAHIEEGGCASLSRRNSEKFLSARILLGLFGAEATLQIYPTSRPAKKAMRNSLVRFGKRAAAPDYSA
E

>FLP-32_Pristionchus_exspectatus FLP-32 predicted
RRFTSGFNINLYKLRVRPSKKAMRNSLVRFGKRSASAPSDFSDE

>FLP-32_Pristionchus_maxplancki FLP-32 predicted
LNVIIRPAKKAMRNSLVRFGKRSASAPSDFSAE

>FLP-32_Pristionchus_mayeri FLP-32 predicted
MWSRNIIIVRPAKKAMRNSLVRFGKRAAPIDYSAE

>FLP-32_Strongylus_vulgaris FLP-32 predicted
FFLKLTkFFRLRPSKKAMRNSLVRFGKRSVDPDNVFLGIILSLL

>FLP-32_Caenorhabditis_elegans FLP-32
MLSFVQTLILALLCSIVFVEAMPSPRPAKKAMRNSLVRFGKRADPVGTDVFLGESYGSADPYEYVPE
RMSNRGPSSVLL
Y

>FLP-33_Plectus_sambesii_PSAMB.scaffold472size50076.g6039.t1
peptide: PSAMB.scaffold472size50076.g6039.t1
MCSSLRFFLLLLTSLQCDDTSCFGQWLMVQPFHWRQGWLSFPATSRMNSKPFMRDIE
NSYQLDPLTDADNLRITLKGFQIRKPRFG

>FLP-33_Ascaris_suum_AgR029_g051_t02 peptide: AgR029_g051_t02
MISMLLLVSFFALAASDIADLPQYHVLRRFEFLPLFLQTKYPGEIIPEKRVSIKERRAPI
EGFEDFDGIMRSLDGLQKPRFGRK

>FLP-33_Ancylostoma_caninum_ANCCAN_00652 peptide: ANCCAN_00652
MNFTTLFAFLLSLLTVGAFSVDLPQYYGGYGQLRRGGEYVVKRMAMPKYRRSPLEGFEE
LSSMMRSIDGIQKPRFGRK

>FLP-33_Ancylostoma_ceylanicum_Acey_s0489.g2376.t1 peptide:
Acey_s0489.g2376.t1
MNFTTLFAFLLSLLTVGAFSVDMPQYYGGYGQLRRSGDSEYVVKRMAMPKYRRSPLEGFEE
LSSMMRSIDGIQKPR

>FLP-33_Angiostrongylus_cantonensis_ACAC_0000227401-mRNA-1 peptide:
ACAC_0000227401-mRNA-1
MPMKNNRRSPLDGFEDLSSVMRSIDGIQKPRCVSDIFLIPANYYCCKENF

>FLP-33_Angiostrongylus_costaricensis_ACOC_0000733601-mRNA-1
peptide: ACOC_0000733601-mRNA-1
MPKIAAVSERIWSLATTFSNLFRIMPKNRRSPLDGFEDLSSVMRSIDGIQKPRYVSDI
FTIPVNYFHYKKSLSYHYMIRNHSKKCLITKKPRLVAVRHPPLSNSLTIIY

>FLP-33_Caenorhabditis_brenneri_CBN15572.1 peptide: CBN15572.1
MPSQVVGYSVEPRLASFNDGGELAAQAAVAAAAAQQARSEFMKRFLPAKERRAPLEGFED
MSGFLRTIDGIQKPRFG

>FLP-33_Caenorhabditis_briggsae_CBG08711.1 peptide: CBG08711.1
MRLLIIVAIATIVLATSQVSAYSVEPRLAFVDSGAAEMSQAARQARNNELEFIKRFLPAK
ERRAPLEGFEDMSGFLRTIDGIQKPRFG

>FLP-33_Caenorhabditis_inopinata_Sp34_10037700.t1 peptide:
Sp34_10037700.t1
MRLLLIIVVALISLAVSDRGYAVEPNLYVDANGNGESAAQQAQNPELEFIKRFLPAKER
RAPLEGFDDMSGFLRTIDGIQKPRFG

>FLP-33_Caenorhabditis_japonica_CJA26229.1 peptide: CJA26229.1
MALLAITITTTTAAPSSHQYPLNYLDAADQDTWTRFLPVKNRRAPLDGFEDMSGFLRTID
GIQKPRFG

>FLP-33_Caenorhabditis_latens_FL83_09229 peptide: FL83_09229
MRLLIIVAAIAFIAISTSQSVAAYSVEPRLATFSDGSAAELARQARNNELEFIKRFLPAK
ERRAPLEGFEDMSGFLRTIDGIQKPRFG

>FLP-33_Caenorhabditis_nigoni_Cni-flp-33 peptide: Cni-flp-33
 MRLLIIVAIATIVLATSQASAYSVEPRLAFVDSGAAEMSQAARQARNNELEFIKRFLPAK
 ERRAPLEGFEDMSGFLRTIDGIQKPRFG

>FLP-33_Caenorhabditis_remanei_CRE14218.1 peptide: CRE14218.1
 MRLLIIVAAIAFIAISSSQSVAAYSVEPRLATFSDGSAAELARQARNNELEFIKRFLPAK
 ERRAPLEGFEDMSGFLRTIDGIQKPRFG

>FLP-33_Caenorhabditis_tropicalis_Csp11.Scaffold574.g4340.t1
 peptide: Csp11.Scaffold574.g4340.t1
 MRLLIIVAVIALVAFSATSAYSTEPRLAFADREMSPAAAQRARNTLEFIKRFLPAKERR
 APLEGFEDMSGFLRTIDGIQKPRFG

>FLP-33_Diploscapter_coronatus_DCO_024654 peptide: DCO_024654
 MLRRLSSLICLLISLISAYVAPSIEQPPANSQAANFFYQRQLRDPLYEPYIRRMMPMKE
 RRNFEGFEDMGSLMRSIDGIQKPRFG

>FLP-33_Haemonchus_contortus_HCON_00009870-00001 peptide:
 HCON_00009870-00001
 MNFTALLSFLLSLLVNAFNIDYPQYGGYGAIIRRAVERDYAKRMLPMKNRRSPLEGFEDI
 SSMMRSIDEIQKPRFGRK

>FLP-33_Heligosomoides_polygyrus_HP0L_0002087601-mRNA-1 peptide:
 HP0L_0002087601-mRNA-1
 MNFTMLLSFLLSLLVVGAFNVDPQYYGGYGAMRHALES DYAKRMMPMKNRRSPLEGFD
 DISSMMRSIDGIQKPRFGRK

>FLP-33_Necator_americanus_NECAME_00947 peptide: NECAME_00947
 MNFTTLLALLSLLAVGAFNVDFPQYYGGYGQIRRDGEEQYAKRAMPMKFRRSPLEGFEE
 FSSMMRSIDGIQKPRFG

>FLP-33_Nippostrongylus_brasiliensis_NBR_0000985601-mRNA-1 peptide:
 NBR_0000985601-mRNA-1
 MNFTSILSFLLSLVVVGAFNFDYPQYFGGYGAIRRSMLPSKNRRSALEGFDDISSMMRSI
 DGIQKPRFGRK

>FLP-33_Oesophagostomum_dentatum_OESDEN_21756 peptide: OESDEN_21756
 MKSITVVTFILSLLVLNSMGLETRYGKYGPMRLAGDEQVINSYTPIKYRRASIDAYGDFS
 SMMRSMDELQRPRFGRK

>FLP-33_Oscheius_tipulae_OTIPU.n0t.2.0.1.t11991 peptide:
 OTIPU.n0t.2.0.1.t11991
 MQILVTLGLLFALVCASFAAPFDDFRYFQLPVRRGFPEPDYVKRLMPKERRAPAADFDDM
 SSFMRSIDGIQKPRFG

>FLP-33_Pristionchus_entomophagus_PRENTOPHAG000017361.t1 peptide:
 PRENTOPHAG000017361.t1
 PTHTSRMTSSSSLALICLVTLAVTLVSAWPADAAAARPLLTPAEREYLKELLAERDFVLT
 NPAKARRSPGDEGDFDTSALRSIDNIQKPRFGRRR

>FLP-33_Pristionchus_expectatus_PEXSPEC000026662.t1 peptide:
 PEXSPEC000026662.t1
 TDTHRRMTSSSSLILCFVAVLIAASASAWPAEGGPAAGAAAAPRPLTPLEREYLRELLAA
 ERDFVLTNPVKSRRSPSDEGDFDTSALRSIDNIQKPRFGRRR

>FLP-33_Pristionchus_fissidentatus_PRIFISSI000027361.t1 peptide:
 PRIFISSI000027361.t1
 IQVPTMTSSSSLVFCFLFICVLSSAWPTESRLSPEERQLLREVLAERDFVMTNPVKAR
 RSPSMEGDFDTSALRSIDNIQKPRFGRRR

>FLP-33_Pristionchus_macplancki_PRIMPAX000017480.t1 peptide:
 PRIMPAX000017480.t1
 TMTSSSSLVLCFLAVLIAAALPSASAWPAEGGPAAARPLTPVEREYLRELLAERDFVLTN
 PVKSRRSPSDEGDFDTSALRSIDNIQKPRFGRRR

>FLP-33_Pristionchus_mayeri_PRIMAYER000032387.t1 peptide:
 PRIMAYER000032387.t1
 ASAWPADKDAAPRPLTPGEREFLRELLAERDFVLTNPVKTRRSPSDEGDFDTSALRSIDN

IQKPRFGKRR

>FLP-33_Pristionchus_pacificus_PPA04942.1 peptide: PPA04942.1

MTSSSLILCFVAVLIAAAAAALPSAWPAEGGPAAGAAAPRPLTPLEREYLRELLAAERDFV
LTNPVKSRSPSDEGDFDTSALRSIDNIIQKPRFGRRR

>FLP-33_Caenorhabditis_elegans FLP-33

MRFLILIVAIVLLSAVHGFSVEPRLAAFADGGAAELAQEARQARNAELEFIKRFLPAKERRAPLEGFE
DMSGFLRTIDGI

QKPRFG

>FLP-33_Caenorhabditis_angaria FLP-33 predicted

SELALLHFQISCRVPSKDRRAPLEGFEDMSGFLRQIDGIQKPRFGRK

>FLP-33_Caenorhabditis_sinica FLP-33 predicted

NLRVVETLTAKSILYLTFRRLPAKERRSPLEGFEDMSGFLRTIDGIQKPRFG

>FLP-33_Dictyocaulus_viviparus FLP-33 predicted

DFRRVLPKIRRSPLDGFEDLSSVMRSIDGIQKPRFVRNKKIFLARSITLSVYNLLIFIHKQINNEM
HLLQKSIHIQL

>FLP-33_Panagrellus_redivivus_Pan_g36.t1 peptide: Pan_g36.t1

MAMLSISWIMLGCFLLATVFSAVYGVVPGSSSDNGGHRLPVVPLGWLIPHEPQVVGWLP
EANRLRRAGPIPFKERRASADTFDMWEGMMDSLDTLQKPRFGR

>FLP-33_Steinernema_carpcapsae_L596_009024 peptide: L596_009024

MQVALFLLVLLVVTSLSEAMFKHPIGLMAYSAAGGPKPLLRGYRPLLDEVEIKERRAP
WGESEWEGMLQTLNLRKPRFGK

>FLP-33_Steinernema_feltiae_L889_g32186.t1 peptide: L889_g32186.t1

MQVALFILVLLAATVTFSDAFLKRPVGLMAYGAATGHRPLLRGYRQLLPDEVEMKERRAP
SDPFDEWEGMLQHLNLRKPRFGK

>FLP-33_Steinernema_glaseri_L893_g4388.t1 peptide: L893_g4388.t1

MQVALFFVLALFAATVSLSDALFKRPIGLMAYGAAGGPKPLLRGYRPLLDEVEIKERRA
PSDPFDEWEGMLQTLNLRKPRFGK

>FLP-33_Steinernema_monticolum_L898_g16279.t1 peptide:

L898_g16279.t1

MQVALFILVLLAATVSLSEAFFKRPIGLMTYGAASGSRLLRGYRPLLDEVEMKERRAP
SDPFDEWEGMLQTLNLRKPRFGK

>FLP-33_Steinernema_scapterisci_L892_g10634.t1 peptide:

L892_g10634.t1

MQVALFILVLLFATVSLSEAMFKHPIGLMAYGAAGGPKPLFRGYRPLLDEVEIKERRAP
SDPYDEWEGMLQTLNLRKPRFGK

>FLP-33_Ditylenchus_destructor_Dd_00688 peptide: Dd_00688

MHPTFLYRPTVSALTSSILCMITILLPQGQCVQAEVADLADEDIPIPAEPAYTPQKSE
QPSKFSTAELSRADMYKLLYTALLRDKERAQWQPSRLRPIAPLQSRTPLSALRHSTDSSW
RMKLAIEPIYEQRSMKERRAPAPLDHFSEQWGGMMKTMDNLRKPRFG

>FLP-33_Globodera_rostochiensis_GROS_g00355.t1 peptide:

GROS_g00355.t1

MRPIAAVPSPFLPLVVAFLFSTGSVSYMFLPATRQLFVNPDISSDAALTPRGFHIADF
LGPNKRFLDGEAPPATIFIGPKERRAPAERSFGEEQWLKAMDNLRKPRFG

>FLP-33_Ditylenchus_dipsaci FLP-33 predicted

TVGGMMKTMDNLRKPRFG

>FLP-34_Plectus_sambesii_PSAMB.scaffold234size63179.g3439.t1

peptide: PSAMB.scaffold234size63179.g3439.t1

MINTQTVAAVIIGTLAVLLATANAAPAVAPAIKKATFNLDIASAANGASRLRYGKRGGN
RDESYSGIDPELFDITIVSLNNVGKRSGSTADAELFDNLHRFAEAGKRSNLVSDRLSRLAE
ALNGAERPRFG

>FLP-34_Acanthocheilonema_viteae_nAv.1.0.1.t08907-RA peptide:

nAv.1.0.1.t08907-RA

MTTVYWFIGILLPVLFVCNVPVDPMKRTDKNLEQFTSAINAALRLRYGKRSENPNLFSN
KIVPLPEKDKLSQLANRVVASLNEAERLRF

>FLP-34_Anisakis_simplex_ASIM_0001685901-mRNA-1 peptide:
ASIM_0001685901-mRNA-1
MPFAHVFFDAAIAILIVACAVSALPMHSSKSAHDLQGFASALNGAGRLRYGKRSYDPRLY
PEFFPALDDTGRLTISRLLGSEDEDMEDPLL

>FLP-34_Ascaris_lumbricoides_ALUE_0001331401-mRNA-1 peptide:
ALUE_0001331401-mRNA-1
MSTIQLITAAAFVVFLTLTVRGFTIQSKKSAHDLEGFASALNSASRLRYGKRSYDLSLLET
LADLEKFGKRPSTDFDNDNVEQFIENKRSSSFLPMDKVVASLNRAERLRFG

>FLP-34_Ascaris_suum_GS_15307 peptide: GS_15307
MSTIQLITAAAFVVFLTLTVRGFTIQSKKSAHDLEGFASALNSASRLRYGKRSYDLSLLET
LADLEKFGKRPSTDFDNDNVEQFIQMQREREDHKNKAKTSIAFG

>FLP-34_Brugia_malayi_Bm14205.1 peptide: Bm14205.1
MTKVYLFAGTLLLLVLLVSNVQTDARRSNNDLKKVASAINGALRLRYGKRSDSELFNK
IILPQEENKLSPLADRVVASLNEAERLRFG

>FLP-34_Brugia_pahangi_BPAG_0000015701-mRNA-1 peptide:
BPAG_0000015701-mRNA-1
MTTVYLFAGTLLLLVLLVSNVQTDRTRRSNKDLEQFASAINGALRLRYGKRSHDSELFNK
IILPQEENKLSPLADRVVASLNEAERLRIFNAQEETISDLAEIKIKCLEWLKYKPIFLSP
LSNRLVIIDSILI

>FLP-34_Brugia_timori_BTMF0001533601-mRNA-1 peptide:
BTMF_0001533601-mRNA-1
MRNVQTDARRSNNDLKKVASAINGALRLRYGKRSDSELFNKIILPQEENKLSPLADRV
VASLNEAERLRICNTQEEIISDLAEIKIKCLEWLKYKPIFLSPLSNRLVIIDSILI

>FLP-34_Dirofilaria_immitis_nDi.2.2.2.t04631 peptide:
nDi.2.2.2.t04631
MTRICLFVSTLLLSALLICNVPMdraervDRDLGQFTSAINGALRLRYGKRFYNPAIFVP
SQEVGNKYLGPFDDTVEIPIEKQAVIDALVKAINAEPLRYG

>FLP-34_Elaeophora_elaphi_EEL_0000502501-mRNA-1 peptide:
EEL_0000502501-mRNA-1
MTAVYLFIGILLLPVLLVCNAPVDRIQRSDRNLDQFASAINGALRLRYGKRSEDLDLLDK
LVQSPQVKDRYFGPSYNHFNLP

>FLP-34_Gongylonema_pulchrum_GPUH_0000390201-mRNA-1 peptide:
GPUH_0000390201-mRNA-1
MFTVCLFAAAALLIQSASAVPADRGRRSDRDLEQFASALNGALRLRYGKRSYDPNLFDKI
FTLQFVLSIHSATV

>FLP-34_Loa_loa_EF027505.1 peptide: EF027505.1
MDRARRSDKALEQIASAINGALRLRYGKRSHNPDLYDKIITPPEEDKLLPLADRIVASLN
RAERLRYAIHFDENLDKNPIYKNFLQYAKYQINMAGLQKGLDETDLI

>FLP-34_Onchocerca_flexuosa_X798_04709 peptide: X798_04709
MTTIYLFVGTLLLPALLVCNVPMdraerLDRDLEQFTSAINGALRLRYGKRSYDSDMVGK
TVRSQEVGDRSFEPsydhFYIPIEEQKQLPLVARVIASLNGAERLRYANHFGENLNYKTF
SQKTFCIICKRKMR

>FLP-34_Onchocerca_onchengi_nOo.2.0.1.t01233-RA peptide:
nOo.2.0.1.t01233-RA
MTTIYLFAGTLLLPALLVCNVPMdraerLDKDLEQFTSAINGALRLRYGKRSYDSDVFGK
TVRSQEVGDRYFEPsydhFYLPPIEEQKQLPLADRVIASLNGAERLRFG

>FLP-34_Onchocerca_volvulus_OV0C6916.1 peptide: OV0C6916.1
MTTIYLFAGTLLLPALLVCNVPMdraerLDKDLEQFTSAINGALRLRYGKRSYDSDVFGK
TVRSQEVGDRYFEPsydhFYLPPIEEQKQLPLADRVIASLNGAERLRFG

>FLP-34_Parascaaris_univalens_PgR057_g064_t01 peptide:
PgR057_g064_t01
IALNAMSTIRLISAAAFVVFLTLTVRGLTSQSKKSVHDLEGFASALNSASRLRYGKRSYDP
SLLETLAELEKSGKYPTTDFDSDNMELIESKRSSSFLPMDKVVASLNRAERLRFG

>FLP-34_Thelazia_callipaeda_TCLT_0000744801-mRNA-1 peptide:

TCLT_0000744801-mRNA-1

MLKKVVVVIINDPVL MRYGKIFKKITTL YLFYEQLYYCLAESTVCWRNYKLKSSHLHLHQ
ESVPLLHCYQKLYKVKKGQNMIREQYPRESVRNSKYNEKLLL NWHIASTSYINLSILDKF
EQNYVQMITVMKLLSHDMNCSSINDALSVD RSRRMDHDNNLKQFASAINDALRLRYGKRS
YDPNLYDEIATFQQLGKQYYLPYYDDFY LHNQLQKRSLSLTD RVIASLNGAERLRFKHEGL
EIRVRTRTHTQTFR TNFIIINSL LILYLKEY

>FLP-34_Toxocara_canis_Tcan_01874.1 peptide: Tcan_01874.1
MVR RQAWALS KAIGKRHTSDGDGSRKISSAHMFLIT ALPAQSKKAAHDLQGFASALNGA
SRLRYGKRSYDPYILQTLATQAELEKPSAFDFDNYDNGDQFIESHKRSSLLPIDKVVASL
NGAERLR

>FLP-34_Wuchereria_bancrofti_WBA_0000078701-mRNA-1 peptide:
WBA_0000078701-mRNA-1
MTTVYLFAGTLLLLVLLVSNVQMDRARRSNKDLEQFASAINGALRLRYGKRSHDSELF SK
IILPQEENKLSPLADRVVASLNEAERLRIRKPQEEIISDLAEIKIKCLEWLQIQADLFIT
IIKLYSDYR

>FLP-34_Ancylostoma_caninum_ANCCAN_08994 peptide: ANCCAN_08994
MSDIFWCALREQADYDDPYIYAKRAPLTNKLIQSLNGAERLRFGRK

>FLP-34_Ancylostoma_ceylanicum_Acey_s0089.g2219.t1 peptide:
Acey_s0089.g2219.t1
MEIIDGVSSINIHPLFSLPAPSPTRIKTPEVPPTSLPYLLYPSSSNRCVVRVRCHGIHHI
TINMRSLICYALAVLTVIYSALPVL SFDKKSDMSEFTSAINGASRLRYGKR SFNFGYPLN
ALRDPTDYEDPYIYAKRAPLTNKLIQSLNGAERLRFGRK

>FLP-34_Angiostrongylus_cantonensis_ACAC_0000781201-mRNA-1 peptide:
ACAC_0000781201-mRNA-1

MSEFTSAINGASRLRYGKRNAALDFPLHVLRTYDDYELPYETFEKRAPLTNKFIQSLNGA
ERLRFIITDIAILLKQIIICQGLVENEQRITDRHDGGDVDEYDDGRL

>FLP-34_Angiostrongylus_costaricensis_ACOC_0001285401-mRNA-1
peptide: ACOC_0001285401-mRNA-1

MQSQPLVVFCFVLLFSIAVASVLPLNKKSDMSEFTSAINGASRLRYGKRNAV LNFPLHEK
RAPLTNKFIQSLNGAERLRFLLIQIVICQGLVGNERQRITNRYDGGDVNEYDDGQWNHGQ
AQMAVLAVMLVTIVVVMVAITTSDFFKRSRGRGTQHKCKKGILPTTFGPFPPQKCSHFC
C

>FLP-34_Caenorhabditis_angaria_Cang_2012_03_13_00259.g8040.t1
peptide: Cang_2012_03_13_00259.g8040.t1

MLHSLMLFLVVL FVSVLSQPMDDKSDMSGFASALNNAGRLRYGKRSSWDIEQPDAAEFES
YDSYYPELLKRGLNTDSLVASLKG AERLRFGRK

>FLP-34_Caenorhabditis_brenneri_CBN06803.1 peptide: CBN06803.1
MQFKHLMALILVVLALTESVLALPLEKKADISTFASAINNAGRLRYGKRSDPAVWDENSA
IYPAADQYIYTEEGRYPYGLIKRALNTDSLVASLNGAERLRFGRK

>FLP-34_Caenorhabditis_briggsae_CBG17891a.1 peptide: CBG17891a.1
MQFKILMALIVTFVAMNESVLALPLEKKADINTFASAINNAGRLRYGKRSDPSVWEDNMP
IFPAADQYIYTEEGRYPYAQIKRALNTDSLVASLNGAERLRFGRK

>FLP-34_Caenorhabditis_inopinata_Sp34_50000500.t1 peptide:
Sp34_50000500.t1

MMIKIFVPFILT VLMITDSVLSLPLEKKADISTFASAINNAGRLRYGKRSEPD LWEKNNI
GIPAAEEQYVYSGDRYPYSLIKRAFNTDTLVDSLNGAERLRFGRK

>FLP-34_Caenorhabditis_japonica_CJA35737.1 peptide: CJA35737.1
MQFKVFAALILVVC SVADSVFAVPLEKKADISRFTSAINSAGRLRYGKRSDPVTIWE E

>FLP-34_Caenorhabditis_latens_FL83_15258 peptide: FL83_15258
MQSFTEELIIFFTIILSISVLALPLEKKADINTFASAINNAGRLRYGKRSDPAAWEDNTP
IFPSADQYVYSEEGRYPYALIKRALNTDSLVASLNGAERLRFGRK

>FLP-34_Caenorhabditis_nigoni_Cni-flp-34.2 peptide: Cni-flp-34.2
MQFKILMALILAFVAMNESVLALPLEKKADINTFASAINNAGRLRYGKRSDPSVWEDNMP
IFPAADQYIYTEEGRYPYAQIKRALNTDSLVASLNGAERLRFGRK

>FLP-34_GCK72_019108.t1 peptide: GCK72_019108.t1
 MQFKFLVSLILVVLALSESVLALPLEKKADINTFASAINNAGRLRYGKRSDPAAWEDNTK
 IFPSADQYVYSEEGRYPYALIKRALNTDSLVLASLNGAERLR

>FLP-34_Caenorhabditis_sinica_Csp5_scaffold_00112.g4638.t1 peptide:
 Csp5_scaffold_00112.g4638.t1
 MSKKINIEITVRASKQDVLALPLEKKADINTFASAINNAGRLRYGKRSDPAMWEEKKWSK
 PSRFLSFYSDQDSAIFFAADQYVYSEEGRYPYGLIKRALDTSVLASLNGAQLRFGRK

>FLP-34_Dictyocaulus_viviparus_DICVIV_12876 peptide: DICVIV_12876
 MLSHKSKSPSQLPHVLTVNKKSDMSKFTSAINGASRLRYGKRNIIDFGYPLPDKRSALSNK
 FIQSLNEAERLSVYFMGAMNSTKQIGLATQEKLQRLDESRSRSIRIVLDVDDGDA

>FLP-34_Diploscapter_coronatus_DCO_024341 peptide: DCO_024341
 MQYGSAIECALLFLFSLLLLVSASPLNVFDRQDLAFTSAINGAGRLRYGKRAQPFAF
 PIYSDDELNGAEQGWTSNDMLKRSPVASKLIQSLNGVDRLRFGRK

>FLP-34_Diploscapter_pachys_WR25_25817.1 peptide: WR25_25817.1
 MQYGLAIECALLFLFSLLLLVSASPLNVFDRQDLAFTSAINGAGRLRYGKRAQPFAF
 PIYSDDELNGAEQEWTSNDMLKRSPVASKLIQSLNGVDRLRFGRK

>FLP-34_Haemonchus_contortus_HCON_00140260-00001 peptide:
 HCON_00140260-00001
 MRSLFCYFVAALTLLYNMLPVSSVDKKSDLDFASAINSAGRLRYGKRSSDYGYPLSAFN
 EPVEFEDPYARMVFEEKRAPITSKLIQSLNEAERLRFGRK

>FLP-34_Heligosomoides_polygyrus_HP0L_0000532101-mRNA-1 peptide:
 HP0L_0000532101-mRNA-1
 MQHLVLFTVVLCSAAVYSVSSFEEKSDMSEFTSAINGASRLRYGKRSDVGYPLNALREP
 IEYEDPYTQYAKRAPLTNKLIQSLNGAERLRTWGYNMAEQVERAFLKQPTIKLNSRARIL
 AGNKRVPYVRNIGLGFKTPHEASQGSYIDKKCPWTGGNCAIRGNILTGVVLKNKMTRTI
 DVQPHCSPAFRDIAPGDLVTIGECRPLSKTVRFNVLFHFKSGSTKKGFAKF

>FLP-34_Heterorhabditis_bacteriophora_Hba_16449 peptide: Hba_16449
 MQQFPLAVLVFCAVAILSVLSFEKKSDMSEFASAINNAGRLRYGKRSDYGSFLPMKSIK
 DSEDYDEPTYAVYVKRAPLTNKLIQSLNGAERLR

>FLP-34_Mesorhabditis_belari_mbelari.g1519.t1 peptide:
 mbelari.g1519.t1
 MQASLLSALILAFVAAVSCASLAKKADEVSSFVSGLNGAARLRYGKRSPDNDQESSFLVD
 QPMLMDNEYVLQPYGSNGYALYKRSPSAKSLIESLNGAERLRFGRK

>FLP-34_Micoletzky_japonica_MIJAPON000017614.t1 peptide:
 MIJAPON000017614.t1
 QVMQGSALASLAVLILAVQLAVASSYEKKSGDLSEFASALNGAGRLRYGKRSMPLDSFKE
 KMARGFDDDDSMVFTLYDSIPYEKRAPSPDFVTSLNKAERLR

>FLP-34_Necator_americanus_NECAME_08388 peptide: NECAME_08388
 MIEFDFSVLSFEKKSDMSEFTSAINGASRLRYGKRNFDFAYPLTALRDPTDFEDPYIYDK
 RAPLTNKLIQSLNGAERLRFGRK

>FLP-34_Nippostrongylus_brasiliensis_NBR_0000109201-mRNA-1 peptide:
 NBR_0000109201-mRNA-1
 MNCSFHLRLFPPIAIQPFSSASSLDKKSDMSEFASAINNAGRLRYGKRSEFESYPLNTNTH
 SPCVHDLNGARLLGRVPTGLIDTDLTFSITFYSSYFTLSARSRRFRRTSPIGIGTACIL
 LF

>FLP-34_Oesophagostomum_dentatum_OESDEN_20739 peptide: OESDEN_20739
 MRALFCYLFAAATVLYSIVPVLSFEKKSDMSEFTSAINGASRLRYGKRSDFGYPLKLVF
 LKIITKLVTITALETLFFGHKKNL

>FLP-34_Oscheius_tipulae_OTIPU.n0t.2.0.1.t00834 peptide:
 OTIPU.n0t.2.0.1.t00834
 MASPYSTSKHKFSTMQCSILVASLSVAVLFQCVSASGYVKKSDINEFASAINNAGRLRYG
 KRGNWDSLYPESLWETEDSENTNNENSNLQYAKRAPVPSNLLQNLKAERLRFGRK

>FLP-34_PARAPRI000014405.t1 peptide: PARAPRI000014405.t1
 MERFYSIFFVLAITLQCISSSSLEKKSDMGDFASALNGASRLRYGKRSGNGGLFFLDSFR

DRVEDDGDYMPMNAEKRSPSTDFIANLNKAERLRY
 >FLP-34_Pristionchus_arcanus_PARCANUS000012775.t1 peptide:
 PARCANUS000012775.t1
 MKQTGLRSTKNGRWLYESGGFLVLYDFSRRQKESKNKKSFLPYPNWYCRLSISPARLS
 NMQLVILCGIVALACLGEADDFAPFEKKADLGEFASALNGAGRLRYGKRSSFYIDFRER
 MEHGASYDSEPFTFEKRAPSAADFVANLNKAERLR
 >FLP-34_Pristionchus_expectatus_PEXSPEC000027703.t1 peptide:
 PEXSPEC000027703.t1
 MQLVIMCSIVVLACLGEADDFAPFEKKADLGEFASALNGAGRLRYGKRSPVGAFYIDFR
 ERMEHGASYDSEPFTFEKRAPSAADFVANLNKAERLR
 >FLP-34_Pristionchus_fissidentatus_PRIFISSI000018650.t1 peptide:
 PRIFISSI000018650.t1
 MVRCVSALLALALTLDVVLGGASFEKKSDLGEFASALNGAGRLRYGKRSSGGSPYFDALR
 ERMERGFDEDPFMINFEKRAPSPADDFVANLNKAERLRFGRK
 >FLP-34_Pristionchus_japonicus_TRINITY_c1733_g1_i1_loc1.t1 peptide:
 TRINITY_c1733_g1_i1_loc1.t1
 MVRCVSAAVVLVLVLDVLCSPFEKKSDLGEFASALNGAGRLRYGKRSSFYIDFRE
 RMEHGAAYDSEPFTFEKRAPSPADDFIANLNKAERLR
 >FLP-34_Pristionchus_macplancki_PRIMPAX000018423.t1 peptide:
 PRIMPAX000018423.t1
 MVRCVSAAVVLVLVLEAVLCAPFEKKADLGEFASALNGAGRLRYGKRSSGGFPYIDFRER
 MEHGAAYDSEPFTFEKRAPSPADDFIANLNKAERLR
 >FLP-34_Pristionchus_mayeri_PRIMAYER000022629.t1 peptide:
 PRIMAYER000022629.t1
 MIRHICAVLAFALVAEVLGAPFEKKADLGEFASALNGAGRLRYGKRSSGGFPYIDFRDR
 LEQGAYADTEPFSFEKRAPSPADDFVANLNKAERLR
 >FLP-34_Pristionchus_pacificus_PPA29058.1 peptide: PPA29058.1
 MISGNPFPPILPLIPSKMVRCVSAAVVLVLVLEAVVGLSTMQLVILCGIVALSCLEADD
 FAPFEKKADLGEFASALNGAGRLRYGKRSPVAAFPYIDFRERMEHGASYDSEPFTFEKRA
 PSAADFVANLNKAERLRFGRK
 >FLP-34_Teladorsagia_circumcincta_TELCIR_01653 peptide: TELCIR_01653
 MRSFLCYFIALLTVFYNIPLVSSLDKKSMDSEFASAINGASRLRYGKRSDGYQLKLPL
 LCIAEVVTHQVNVNKLILSGLCITIRLHKLLFKCDAIGGLELIALDNQNI
 >FLP-34_Ancylostoma_duodenale FLP-34 predicted
 TYFSVLSFEKKSDMSEFTSAINGASRLRYGKRSDYGYPLK
 >FLP-34_Cylicostephanus_goldi FLP-34 predicted
 YFSVLSYEKKSDMSEFASAINGASRLRYGKRSDYGYPLK
 >FLP-34_Caenorhabditis_tropicalis FLP-34 predicted
 IILGHQNTFSVLALPLEKKADISTFASAINNAGRLRYGKRSDPAMWEDK
 >FLP-34_Haemonchus_placeii FLP-34 predicted
 HFSSIFKCKHNFSEKYHHFSVSSVDKKSDDLDFASAINSAGRLRYGKRSSDYGYPLR
 >FLP-34_Pristionchus_entomophagus FLP-34 predicted
 FDLRLPGIGDGCIVKDCGVPLENIVRLNNSIIKEKAHSMCEPDRILPSSHMLFRGASFEKKADMGEF
 ASALNGAGRLRYGKRSSGGFPDGPLRYLYGSSRHN
 >FLP-34_Strongylus_vulgaris FLP-34 predicted
 FFSVLSFDKKSMDSEFASAINGASRLRYGKRSDYGYPLK
 >FLP-34_Caenorhabditis_elegans FLP-34 isoform a
 MQFQFLMALIFVALVLTDSVLSLPLEKKADISTFASAINNAGRLRYGKRSDPAMWEENNVIIPSSDQ
 YLYSEGRYPYAL
 IKRALNRDSLVLASLNNAERLRFGRK
 >FLP-34_Bursaphelenchus_xylophilus_BXY_0837900.1 peptide:
 BXY_0837900.1
 MELKMTNSQALCLVMASLIVLTSTALPLLEDKDFSMKKSNLNEFMSAMKGAPRLRYGKR
 NFDEFVPAYQYVIPQRAVYKRMQAQNLPELIDTLNGAERLRFGRK

>FLP-34_Panagrellus_redivivus_Pan_g22127.t1 peptide: Pan_g22127.t1
 MKQTAVFSVAAAALLLVIVPALAQFYFDSYELPEKKSSAALSDFTSALNGAARLRYGK
 RSAPSVYSIDPQLRDVIWLQAANKRAPSADKTMQFLESNGAERLRF

>FLP-34_Rhabditophanes.sp.KR3021_RSKR_0000509900.1 peptide:
 RSKR_0000509900.1
 MTAILHRPCNTLQRKGYLGLIATIILIQAVPSFQGNLPIKKSPFSFDDLNSQLNSA
 SRLRYGKRSGGADLHMLNHVLKLNELGKRSAEGYSIDIPEYDSPNKRSSPMVGDAFFKQL
 GKRSSSPMLLSIDIEYYEKMGRSPYLADIASFEQIGKRSGSQLRDLAHFEEVGKRSGKNY
 LGDLATFDNIGKKSVPVNDIAYFGDVGKRSSPLVKDIAYFGDVGKRSPVPMVQDIAYLGD
 VGKRSAAIPLVHDIVYYDQIGKRSPSHSFFRDAAIYGHAGKRLNNLLQNVAEFQDIGKKS
 DRGMLLGDLAHFDNLGKRSSGDLKNVQYYLDAGKKRSSNWGQLFQDLNDAERLR

>FLP-34_Steinernema_carpocapsae_L596_g21266.t2 peptide:
 L596_g21266.t2
 MVVLSRFVLIASVVVGLTAIFGTAVPLHEKKSTHDLNEFTMALNGASRLRYGKRSDGSVD
 PAALYEQFLAAQFPYEVQEFPAYTQKRSSSIYSDPLALKLVQSLNGAERLRFGR

>FLP-34_Steinernema_feltiae_L889_g33432.t1 peptide: L889_g33432.t1
 MVTVTVILRQIGFALLLAVNLVFARFIDLESSAVPLHEKKSTHDLNEFTMALNGASRLRY
 GKRSGGLYDSMVYERSPYDFQDVPSYMGQQKRNAIYSDPLALKLVQSLNGAERLRFGR

>FLP-34_Steinernema_glaseri_L893_g13884.t1 peptide: L893_g13884.t1
 MVSVTVVLRLALAFFVAVNFARFIDFDLDSAALPLHEKKSTHDLNEFAMALNGASRL
 RYGKRSGFLYEQLLPQQFDSRQEVPEFTGQKRNIYSDPLALKLVQSLNGAERLRFGR

>FLP-34_Steinernema_monticolum_L898_g22950.t1 peptide:
 L898_g22950.t1
 MSRQLFMVCVVFCSIAMPSAVPLHEKKSTHDLNEFTMALNGASRLRYGKRSEGLNDPNV
 YEQLAQQSPYEFQDVPNYMEPQKRGSATYSDPLALKLVQSLNGAERLRFGR

>FLP-34_Steinernema_scapterisci_L892_g23323.t1 peptide:
 L892_g23323.t1
 MVVLSRFVLLACAIVGLAAILGKSIKIEVTQDDVSTVLDRLKVYTQGLPDDFFPSACAFFP
 VSNAHLVFTLATTLGILFHNPLHNSTSAEPFFQELPFKVPKQSTHFKNMMLVTQSGGN
 PGLQQTPLNPQDRRLACKQSSGCPFLSLRGFLSGAGIVKTALMNGNQIKCHESPMQMTSSM
 QTLLLGTRHKVQPESRPLNAASGRGCRADFAQSQDGNCPDGTLLIYGWLLLKAGFGDKA
 IEKTEGIILRHLALLFVAVNFARFIELDLERNAVPLHEKKSTHDLNEFTMALNGASR
 LRYGKRSGSSVPALYEQFLAAQFPYDVQDFPAYNQKRSSSIYSDPLALKLVQSLNGAER
 LRFGR

>FLP-34_Strongyloides_papillosus_SPAL_0000243300.1 peptide:
 SPAL_0000243300.1
 MTAIKKSPLDFAAISSQLGSAERMRYGKRNGFDVNMLPHVYKLTEIGKRANEDVDKRSS
 KYMMELGEYQNLGKRSDNFIPEMAKFNEVGKRSLPGYLQEVNEFNKVGKRSNAQFDGDL
 QKYHELKGRYRGVKEITHFFNLGKRSTLSEINSYNSVGKRSNDPLPHIAEFKFGKRDS
 PYLNEIGKFYELGRRASYNQILPIYEDVGKRSVNPYPGSETYYDDNVGKRLSSIIKNVA
 DYNEVGKRSTGLIPNLALYDDFGKRNDYENLNYYFQHGKRSPNLNAIVQHLNDVDRLRF
 GK

>FLP-34_Strongyloides_ratti_SRAE_1000102000.1 peptide:
 SRAE_1000102000.1
 MTINYCDIRKICRLIFILSLITVNTNGINNDNYFTAIKKKSPLDFAAITSQLGSAERMRYG
 KRNGFDVTMLPHVYKLTEVGKRNDNDNINKRSSKYIMELGEYSNLGKRSDNFLPELTKFN
 EVGKKSNNYDNLKKYNPLTKRYRGDVRDITHLYNLGKRPMLEIGEYENVGKRNSEHIP
 HIIEFKFGKRNSPYLNEIEKFHELGKRSTYNQVPIYESAGKRSYYPFYDSDTYYYDSV
 GKRLSSIIKNVAEYNEVGKRSNLIPLNVHYNDFGKRNDYENLNYYFQHGKRSPNLNAI
 IQHLNDADRLRF

>FLP-34_Strongyloides_stercoralis_SSTP_0000993900.1 peptide:
 SSTP_0000993900.1
 MTTNYWDLKKISKILIFILSLITGNTNGISNDNYMTAIKKKSPLDFAAITSQLGSAERMRYG
 KRSMLSEIGEYDNVGKRSNDYIPQIVEFDKFGKRSSYNQVLPYIDNAGKRSYYPFYDSDT

YYYDSIGKRLSSIIKNVAEYNQVGKRSNGLVPHLIHYDDFGKRTDDFDNLNYYYQHGKRS
 PNLNAIIQHLNDVDRLRFGK
 >FLP-34_Strongyloides_venezuelensis_SVE_0000900.1 peptide:
 SVE_0000900.1
 MTIINC DVKISTLIFVLSLVSGSASGFNSDNYITAIKKSPLDFAAISSQLGSAERMRYG
 KRNGFDVNMLPHVYKLTEIGKRDVNEDVDKRSSKYIMELGEYQNLGKRSDNFIPEMAKFN
 EVGKKS LPGYLQEVNEFNKVGKRNNAQFDGDL LQKYHEL GKRSTLSEINDYNSVGKRSND
 FLPHIAEF EKFGKRDSSYLREIGKFREL GRRASYNQILPIYENVGKR SVYFPYPGGEAYY
 YDSVGKRLSSIIKNVADYNEVGKRSTGLIPNL AHYDDFGKRSDDYENLNYYFQHGRSPN
 LNAIVQHLNDVDRLRFGK
 >FLP-34_Halicephalobus_mephisto FLP-34 predicted
 KIYFLFFVFCFLKLYDFS YDQIPEKKSHEGLTDFTSALNGASRLRYGKRGYFNLDPEAQEWNQK
 KYCRFQEYSKRASSVRDVMPQFVQNLNGAERLRFGRK
 >FLP-34_Acrobelloides_nanus_ACRNAN_scaffold11262.g10622.t1 peptide:
 ACRNAN_scaffold11262.g10622.t1
 MANTVIFYIFALILAVNCALARFLPDDESFEAPEKKS YDSLTDFTSALNGAARLRYGKRF
 WNPYGYPSWSSDHSKRSQFAANLPQFIQNLNGAERLRFGRK
 >FLP-34_Ditylenchus_destructor_Dd_09459 peptide: Dd_09459
 MMKFTKTFQPSHSCSACVLLASLAVLVHESLAQSPHMTDLNRYGPEKKSADLGADFMS
 AMNGATRLRYGKRSNGLFYNDLLAAAGPVEVDGQAPFAFRTPSRWATAKRMASFSDNIPA
 LVDQLNGAERLRFGRK
 >FLP-34_Globodera_pallida_GPLIN_000848700 peptide: GPLIN_000848700
 MTQAQSGGNRRMLGEEYLHRLNKRSPMKKSDGLSDFVGS LNGAARLRYGKRSESEGSPAE
 EMEDISPQFFWAVRSSNGRWKLAKRASNYAEALPAGLLDQLNGAERLR
 >FLP-34_Globodera_rostochiensis_GROS_g08013.t1 peptide:
 GROS_g08013.t1
 MSLSSANFFPLTTFALFVLLLALHGMTQAQIDGNRRMVVEEYLHRLNKRSPMKKSDGLSD
 FVGS LNGAARLRYGKRKALPAGLLDQLNGAERLRFGRK
 >FLP-34_Heterodera_glycines_Hetgly.G000024071 peptide:
 Hetgly.G000024071
 MAQYPSITNVCVKELFVLAI RPF EFRFFPFWPLPMASHLSVTVLTSIIALFVLLLALHG
 TAPNQLKIGENGLFEEYLRQLDKRSPLKKS DGLSDFVGS LNGAARLRYGKRSDGLTAE EI
 EQILSLNRWKMPKRVANYAEALPIGLLDQLNGAERLRFGRK
 >FLP-34_scaffold4682_cov54.g8296 peptide: scaffold4682_cov54.g8296
 MQQTGPFLSICILSFLAIFLSYANSQELGSAVNDPLLL EIMLQQMPKRGSMKKADVRD
 FIGSINSASRLRYGKRAILEPVIIASPYK
 >FLP-34_Meloidogyne_enterolobii_scaffold62222_cov323.g30035 peptide:
 scaffold62222_cov323.g30035
 MQQTGSFLSICILSFLAIFLSYANSQELGSAVNEPLLL EEFMLQQMPKRGAMKKADVRD
 FIGSINSASRLRYGKRAILEPVIIASPY
 >FLP-34_Meloidogyne_floridensis_scf7180000424733.g13855 peptide:
 scf7180000424733.g13855
 MQQTGPFLSICILSFLAVFLSYANSQELGSAVNDPLLL EIMLQQMPKRGSMKKADVRD
 FIGSINSASRLRYGKRAILEPVIIASPYK
 >FLP-34_Meloidogyne_hapla_MhA1_Contig1860.frz3.gene11 peptide:
 MhA1_Contig1860.frz3.gene11
 MSYANSQELGSAVINDPILLEEIMLQQMPKRGPMKKADVRDFIGSLNGASRLRYGKRAVL
 EPMLIASPYKLEMLAKRASNNYAQALPAGLLDQLNGAERLRFGRK
 >FLP-34_Meloidogyne_incognita_Minc3s00058g02988 peptide:
 Minc3s00058g02988
 MQQTGPFLSICILSFLAIFLSYANSQELGSAVNDPLLL EIMLQQMPKRGSMKKADVRD
 FIGSINSASRLRYGKRAILEPVIIASPYKLQMLAKRAPSSYAEALPAGLLDQLNGAERL
 RFGRK
 >FLP-34_Meloidogyne_javanica_scaffold33649_cov252.g20977 peptide:

scaffold33649_cov252.g20977

MQQTGSSLICFLSFLAVFLSYANSQELGSVAVNDPLLEEIMLQMPKRGSMKKADVRDF

IGSINSASRLRYGKRAILEPVIIASPY

>FLP-34_Ditylenchus_dipsaci FLP-34 predicted

PSYYSLNLNYYVADLRQRRIVRCRLSSDFMSAMNGATRLRYGKRSGVNYNDLRAASHKIVSPTTSIR

FKNAQVSLANLL