



Supplementary Data.

Identification and origin of the major salivary protein in higher termites

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Complete and partial deduced MA-1 and MA-2 transcripts from various termite species. When present signal peptides have been highlighted in yellow and the three amino acid residues methionine, cysteine and tryptophane in red.

Archotermopsidae

Zootermopsis nevadensis from genome

MKLSIIFLAVVGLACGKSLPTRSLQDDLNDLFLALVPLDEVLGIALDYLAN
DEQVQDFVYYLQSEEFHKIILTVEDVKELKDFLKFINDLGIDVYEILNQV
HEILGLPPFKPDKHSRRGVGINGLINDVIAVLPTDKLKELFEEKKETSSED
FKALIAAIQSPEFSNIVDALRAIKEYQDLLESLRNKGVDVDNIIFRAL
FGLSRRGTRNLQDDLNDVLAHIPLDEVLAIGLDYLANDQEVQELVIYLS
AEFHKIVLTVEAVPEFDEALQFVTERGIDAKAILDQIHEILGLPPRSSSK
ITRRGSGIQGLIDDLVAVIHVDHLKELFEEKLQTSQDVKDLVDFIRSSKF
EKILSTLRSIKEYQDLLQSLREKGVVDVGIIKFLKDLLGLARHY

Porotermes quadricollis worker GIAG01051081.1

FINDQGVDVYAFVNEIYEKLEKHPYQPTNTTHMVGIFYGLVNDVYSVLPL
DDWAALLDEKMETGEFFKTIVTNIRSPVLVKMVEKLQAMPEYHELLEILR
GKVYGERIVKLLWEVSRRGTHTLRDDLKEFMALFPTDDIIQITLDYLAN
DPKLRIYASIPYEEFPKIHAIVEHFKEYAYCLKFINDQGVDVYAIISEV
YNILDLPYQPTNTTHMVGIFYGLVNDVYSVLPLDDW

Porotermes quadricollis worker Trinity assembled from SRR9968577

NTRRGVGVSGLINDVIAVLPIEELRALFDKKLETSEDFKALVEAIQSPEF
ATIIDSLHAIKEYQDLLEGLREKGVDELIIFRALFGLSRRGTRNLQD
DLNDILAHVPLDAVLSIALDYLANDAEVQELVIYLSQSEEFHKIVLTVEAV
PEFRETIKFISDRGVDAEAIQVHEILGLPPLSKSKNTRRGVGVSGLIN
DVIAVLPIEELRALFDKKLETSEDFKALVEAIQSPEFATIIDSLHAIKEY
QDLLEGLREKGVDELIIFRALFGLSRRGTRNLQDDLNDILAHVPLDA
VLSIALDYLANDAEVQELVIYLSQSEEFHKIVLTVEAVPEFRETIKFISDR
GVDAEAIQVHEILGLPPLSKSKNTRRGV

Hodotermopsis sjostedti (e.g. AB480784.1, DC235901.1, DC237539.1)

MKLPIVILAVLGLACGKSLPTRNLQDDLNDLFLALVPLDQVLAITLDYLAN
DPEVQEFVYYLQSEEFHKIVLTVEDLQEFKDFVDFIEDRGIDVTGILNQI
HEILGLPPLPASKNTRRGVGVSGLINDVIAVLPIEELRALFDKKLETSED
FKALVEAIQSPEFATIIDSLHAIKEYQDLLEGLREKGVDELIIFRAL
FGLSRRGTRNLQDDLNDILAHVPLDAVLSIALDYLANDAEVQELVIYLS
EEFHKIVLTVEAVPEFRETIKFISDRGVDAEAIQVHEILGLPPLSKSK
NTRRGVGINGLIEDLVAVIDVDLILAIKDKQETSEDLKELLDFIRSPKF
EKILTTLRSIKEYQDLLQRLRDQGVVDVGIIKFLKDLELNRH-

Kalotermitidae

Kalotermes flavicollis worker GHWY01015225.1

KLINSPEFRNLVEVLVSPSELKELVRKLRETPESRELEEDLRDKGVDLERI
VERVKEAFRRSQRGTRSLHDDIKDILEVIPLEKIAAIAWDYVQHDEQVRE
LARHIKTPEFQERVVRKVVESSEAKAIVEHLRDRGVPVDSVVSLLGLPTS
SIRGKSTRRREGVNGLVDDVIDALPVEELKRVVKEKLINSPEFRNLVEVL

VSPELKELVRKLRETKEARELEEDLRDKGVDLERIVERVKEAFSRSQRGT
RDLNDDLNDLFLALVPLDRILTILLDYLANDEEVQELILYIQSEKFHTIVL
QVEALKETKDLLQFIRERGVDVDAIANLLHEILGLPPYAVRKNTRRGVGI
NGLIDDLVAVLPIDELRALFEEKQHTSPDFKALIEAIRSPEFANILETLR
KIPEYQELLQELRDKGVEVDRIIELLKALFGLSRRGTRSLRDDIKDILEV
IPLEKIAAIAWDYVQHDEQVRELARHIKTPEFQERVVRKVVESEEAKAIVE
HLDRGVVPVDSVVSLLLGLPTSSIRGKSTRRREGVNGLVDDVIDALPVEE
LKRUVK

Kalotermes flavicollis worker GHWY01103810.1

AALLDNILETKESFTTLVTVINPTVLMNMVDTVRSWPEYPEMHQIVREMV
VHVKRVSCLVWEISLREHTIQNDVKEFMALLPTDKVLSITLDYIAKDPE
FLEAVAYIQSEEFPNIHKVVEHLKEYKECLKFINDEGVDVYAFIYEVNYI
LGLPPFPTTTTTTRNGVG VYGLMKDVI AVLPLEDLKAYVDKMMENREYLKT
LVTPLKSLVLKMKVKT VNTVRSWPEYKKVLEIVREKGVNEKSITEILRTFY
GPSLRGIHRLHEELKKYMALVPTDKVLEITLDYLANDQEVREFLVYIQSE
EFPPIHTIVERLKEYKDCYKFINEQGVDVYAI VNEIHDILGLPPFEPTNT
TRKGVGIIGLIDDVIAVLPLEDLAALLDKKLQTGEFFKTLVTAIHPPVFR
KMVDTVQAWPEYPEMHEILREMAVYVERMSKLLWEIYLRENHIIKNYVKE
FMTLLPTDEVLSITLDYIAKDPEFLEAVAYIQSEEF

Bifiditermes mutubae worker GHZC01020198.1

LGIDVNSIINLIHEVIGLPPYAGRKNTRRGVINGLIDDLIHVLPIDELK
ALFEEKLKTSPDFKALIEAIQSPEFKRILDKLESLEPFQKLLQNLRDKG
VDVRIIELLKALFGLSRRGTRNLNDDLNDLFLALVPLDKVLGIVLDYLAND
AEVQELILYLQSEDFHKIVITVEELEEFKLLIKIPENLGIDVNSIINLIH
EVIGLPPYAGRKNTRRGVINGLIDDLIHVLPIDELKALFEEKLKTSPDF
KALIEAIQSPEFKRILDKLESLEPFQKLLQNLRDKGVDVRIIELLKALF
GLSRRGTRNLNDDLNDLFLALVPLDKVLGIVLDYLANDAEVQELILYLQSE
DFHKIVITVEELE

Cryptotermes secundus from genome

MKLPIVFLAVLGLACGKSLPTRNLNDDLNDLFLALVPLDEVLGIVLDYLAN
DQEVQELILYLQSEEFHKIVITVEELDEFKLLIKIPEELGIDVNSIINLI
HEIIGLPPYAARKNTRRGVGLNGLIDDLIAILPIDDLKALFEKKQQTSPD
FKALIDAIQSPEFKSILDKLESLEPFQKLLQNLRDKGVDVDHIIIEFLKAL
FGLSRRGTRSLKDDLKDLDVIPHKEIGVIVLDYVLHDREVSDLAIHVQS
PEFRQLVEAVVNSDELKDIIAHLRDQGVVISQVNELLGFPALSLGDKAT
RRGEGVKGLVDDVIKVL PVERLKEIFRDKLLNSADFRRLIDVILSPDFKE
LVRRLKATSEFKELEDDLNRNGVDRDYIIQRLKEAFGLSQRGTRNLNDDL
NDFLALVPLDEVIAIVLDYLANDQEVQELILYLQSEEFHKILIKIPEELG
IDVNSIINLIHEIIGLPPYAARKNTRRGVGLNGLIDDLIAILPIDDLKAL
FEKKQQTSPDFKALIDAIQSPEFKSILDKLESLEPFQKLLQNLRDKGVDV
DHIEILLKALFGLSRRGTRSLKDDLKDLDVIPHKEIGVIVLDYVLHDRE
VSDLAIHVQSPEFRQLVEAVVNSDELKDIIAHLRDQGVVISQVNELLGF
PALSLGDKATRRGEGVKGLVDDVIKVL PVERLKEIFRDKLLNSADFRRLI
DVILSPDFKELVRRLKATSEFKELEDDLNRNGVDRDYIIQRLKEAFGLSQ
RGTRNLNDDLNDLFLALVPLDEVIAIVLDYLANDQEVQELILYLQSEEFHK
IVITVEELDEFKLLIKIPEELGIDVNSIINLIHEIIGLPPYAARKNTRRG
VGLNGLIDDLIAILPIDDLKALFEKKQQTSPDFKALIDAIQSPEFKSIL
KLESLEPFQKLLQNLRDKGVDVDHIEILLKALFGLSRH

Stylotermitidae

Stylotermes halumicus worker GIAK01115845.1

PEFKNFVKFINDLGVDVYTIINTIHDVLGLPPFQPKHTTRRGVINGLID
DVIAVLPVDDLKALFAKKLETSEDFKALVQAIQSPEFANIVETLRALPEY
QKLLQSLRDKGVE

Stylotermes halumicus worker GIAK01019216.1

QGVDVYAFISEIYYTLERHPFQPTNATRTGVGIYGLIDDVIAVLPLSDLK
ALLDKKMEPSPLDLKTLVKLIDLPAFMSFVNKVRTWPEYYEMLEIIREKD
VDVDRIIELFKELYRRGSPWLQDSLKEFMALIPTDKVLEITLDYLAYDQE
LREFIVRIQSEEFPRIHTIVEYLLKKYKDCSPFISDQGVVYEIISEIHYI
LEKHTFQPTNTTHMGVGIYGLIDDVISVLPLDDLAFLDKKMETGEFFKN
LLTAIRSLDIMKMDVTQKMDVTVRAWPEYQEMLEILREMPYVEHIYKI
LRELSLRGIHRLQDDLKDFMALVQTDKVLKITLDYLHEALVYIQSEEFK
IHKIVEYLLKKYKDCSPFISDQGVYIYAIVDEVDRDILGLPPVPTNITRMGV
GIYGLIDDVFAALPVEDLKTFFYMKMETREYFKVVVTAIRKTVITTIRSP
LFLKMEIVKALPEYKKLLETLLKAGVDVVGIIKHVRVLLGLPPV

Serritermitidae

Serritermes serrifer worker GIAH01045846.1

EIALNYLSNDAEVQELVIYILSDEFLGILKTVEDLQEFKDFAKFINDLGV
DVYSIINTIHDILGLPPFQPKHIGLRGTGINGFIDDVINALPLEELKELF
ENKLVTSSEDFKALVEAIQSPEFGKIVETLRSLPDYQKLLQSLRDKGVDVD
RLIELLRALFGLPNRRGTRNLQDDLNEFLALVPTDKLIEIALNYLSNDAE
VQELVIYILSDEFLGILKTVEDLQEFKDFAKFINDLGVDVYSIINTIHDIL
GLPPFQPKHIGLRGTGINGFIDDVINALPLEELKELFENKLVTSSEDFKA
LVEAIQSPEFGKIVETLRSLPDYQKLLQSLRDKGVDVDRLIELLRALFGL
PPH

Rhinotermitidae

Coptotermes formosanus from genome

MKVPPVILAVLGVAFGNPLPTRSLQDDLNDLFLALVPTDKVLEIALDYLSN
DKEVQEFVIYIQSEEFLLKIHRRTVEDLKEYKDFVRFINDLGVDVYAIINKI
HEILGLPPFEPKKDIRRGVINGLIDDVIAVLPLEDLRALFDRKLETSED
FRALVKAIQSPEFANIVETLRALPEYQRLQSLRDKGVDVDRIELLRAL
FGLPPH

Coptotermes acinaciformis GHZJ01147378.1

SHLPALTSISSLKMKLPVVILAVLGVAFGNPLLTRSLQDDLNDLFLALVPT
DKVLEIALDYLSNDKEVQEFVIYIQSEEFLLKILRTVEDLKEFKDFVRFIN
DLGVDVYAIIDKIHILGLPPFEPKKDTRRGVINGLIDDVIDVLPLEDL
RALFDRKLETSEDFQALVRAIQSPEFANIVETLRALPEYQRLQSLRDKG
VDVDRIELLRALFGLSGRGTRSLQDDLNDLFLALVPTDRVLEIALDYLSN
DKEVQEFVIYIQSEEFLLKILRTVEDLKEFKDFVRFIN

Coptotermes sp. GDUG01028584.1

SEEFHKILLTVEDLQEFKDFLKFLNDLGVDVYAIINVIHDVIGLPPFQPR

HSTRRGVINGLIEDLLAVLPLEELKALFDLKLETSEYFQALVKGIQSEE
FAKIVETLRAIPEYQDLLQKLREKGVVDVDQIIALLRALFGLPREVIKAVP
F

Coptotermes sp. GDUG01030152.1

QQLIDDLAVLPLDDL TALLDKKMETKDYFKTMTNLKSPVFMNMVNTVR
SWPEYNEMVEILRVMVVDVEHMIQLLRELSMRETRSIQDDMKEFMALFPT
DKFIQITMDYLANDPELHEFFAYIQSEQFPKIHRAVEYLQEYGNCFKFIN
DQGVVDVYAFILEIRDTFGLPPFQPTNTTRMGVGIYGFIDDVYAVLPLHDL
KAYFNMKMETRQYFKTIVTTIKTTFKIIRSPLFMNMANTVQSRPEYQKML
ETLRQRGIDVE

Schedorhinotermes intermedius worker+soldier GIAM01190288.1

FVRFISDLGVDVYAIINQIHDILGLPPFQPKHSTRRGVINGLIIDDVIAV
LPLDDLKALFENKLETSEDFRALVKAIQSPEFQKIVDELRALPEYQELLQ
GLRDKGVEVDRIIALLRALFGLSPRGTRNLQDDLNDFLALVPTDRVLEIA
LDYLSNDREVQE FVYIQSEDFLKILRTVEGLREFKDFVRFISDLGVDVY
AIINQIHDILGLPPFQPKHSTRRGVINGLIIDDVIAVLPLDDLKALFENK
LETSEDFRALVKAIQSPEFQKIVDELRALPEYQELLQGLRDKGVEVDRII
ELLRALFGLPPH

Heterotermes malabaricus worker GHZS01013094.1

MKLPVVILAVLGLAFGSPLATRS LQDDLNDFLALVPTDRVLEIALDYLSN
DKEVQDLVVYIQSEELRDSLKTVEDLQEFKDVVRVSEFGVDVPAIINKI
NEILGLPPFEPKQNTRRGVINGLIIDDVIAVL PVEELRALLREKLETSED
FRAFVTAIESPEFANLVNKLRESPEYQRLRESLREKGVDDRIIE LLRAL
FGQSQRGTRSLQDDLNDFLALVPTDRVLEIALDYLSNDEEVKEFVVYIQS
EEFLKILRTVEDLKEFKDFVRFISDLGVDVYAIINKIHDILGLPPFEPKQ
NTRRGVGIKGLIDDVIAVLPLEELRALFEQKLQTS PDFQALVAGIQSPEF
AKIVDTLRALPEYQDLLQKL RDKGVVDRIIE LLRALFGLPPQ

Heterotermes tenuis worker GHZU01060508.1

NTRRGVGLNGLIDDVINVLPLDKLKALFEEKLQTSEEFQALVKAIQSPEF
AKIVETLRDLPEYQNLLQSLRDKGVVDVHIIELLRALFGLSRRGTRSLQD
DLNAFLALVPTDKVLEIALDYLSNDREVQE FVYIQSDEFLKVLATVEDL
REFKDFVRFINDLGVDVYGIIDRIHEILGLPPFEPKKNTRRGVGLNGLID
DVINVLPLDKLKALFEEKLQTSEEFQALVKAIQSPEFAKIVETLRDLPEY
QNLLQSLRDKGVVDVHIIELFRALFGLPPH

Heterotermes tenuis worker GHZU01060499.1

MKVPIIILAFLGLICGKPLPIGKLQDELNEFLVLVPTDKILEIALDYLAY
DPEVKEFVVYIQSEEFPKIHRVVEYLKEYKDCFKFFNDQGVVDVYAIVNEI
HDILEEHPFQPTNTTTRTG VGFYGLIKDVVAVLPLDDWTALLDKKLEAGDL
FKTLVTATPVFMKMDNVRTWPEYHELLEILREMVVKVEPSIELLWEIFL
RETRSLQEDLHDFMALIPSNKIFDIVLDYLLNYKELQE FVYIRSEEFPK
IHKIVEYLNKENCKFKFYNDGVDVYIINEIRDILDLPFQPTNTTTRTG
GIYGLVDDVIGVLPDDLKALFDKKTETREYFKTLVKVLKSPVLVKMVHT
VRYSFLPKMVDTVRSLPEYHEVLEILREKVVDVDRIVELFRKLYWRGTHK
LQYELKELMALFPTKKVLEIALDYLAYDEEVRQFLVYIQSEKFPKIHKIV
EHLKEYKDC LKFINDEGVVYEIINEIYDNLGFPFPFPTNTTTRTG VGIYG
LIDDVIAVLPLDLTALLGKKIETKEFVKALVSVIHSPVFNMVNTVRAWP
EYNELNLILRVTVVDVKPIIKLLWELSLRGTHVIQDDLKEFMALVPTDKI

IQITLDYLANDPELHKMFVYLQSEEFPKIHKIVEYLKKYKCLTFIDEYGV
VDVYAFVLEVRDILGLPPFEPTNTTHMGVGIYGLIDDVFAVLPVDDLKAL
YHMKMKTREYFKVVTTIRSPLYVKMVETVKALPEYKKLVEILREMGVDV
VGIIKHVRVLLGLPPI-

Prorhinotermes inopinatus GHYS01118366.1

NIVDTLRALPEYQRLLEGLREKGVEVDRIIELFRALFGLSRRGTRSLQDD
LNDFLALVPTDKVLEIALDYLSNDQEVQEFVVYIQSEEFKILKTVEDLK
EFKDFVRFINDLGVDVYAIINQIHDILGLPPFQPKSTRRGVGLDGLIDD
VIRVPLDDLALFDKKLETSEDFQALVKAIQSPEFANIVDTLRALPEYQ
RLLEGLREKGVEVDRIIELFRALFGLPPH

Reticulitermes speratus from genome

MKLPIVILAFLGLALGKSLPTRSLQDDLNDLFELVPTDKVLEIALDYLSN
DSEVQEAVVYIQSEEFILTILRTVEELRNKTFVRFLSDHGIDVVAIINRI
HDILGLPPFQPKQSTRRGVGLINGLIDDVIAVLPLDDLALFDEKLENSED
FKALVEAIQSPEFANIVNTLRALPEYQRLLENLREKGVDDVDRIIELLRAL
FGLPPRRGTRSLQDDLNDFLALVPTDKVLEIALDYLSNDSEVQAAVVYIQ
SEEFILTILRTVEELQEFKDFVRFLSDHGIDAVAIINRINDILGLPPFQPK
QSTRRGVGLINGLIDDVIAVLPLDDLKALFNEKLENSEDFRALVEAIQSPE
FANIVNTLRALPEYQRLLENLREKGVDDVDRIIELLRALFGLPPRRGTRSL
QDDLNDFLALVPTDKVLEIALDYLSNDSEVQAAVVYIQSEEFILTILRTVE
ELREFKDFVRFLSDHGIDVVAIINRIHDILGLPPFQPKQSTRRGVGLINGL
IDDVIAVLPLDDLALFDEKLKNSSEDFRALVEAIQSPEFANIVNTLRALP
EYQRLLENLREKGVDDVDRIIELLRALFGLPPH

Reticulitermes aculabialis GHMS01001114.1

FLALVPTDKVLEIALDYLSNDSEVQEAVVYIQSEEFILTILRTVEELREFK
DFVRFLRDHGIDAVAIINTINDILGLPPFQPKHSTRRGVGISGLIDDVIA
VLPLDDLKALFEKKLETSEDFRALVEAIQSPEFANIVDTLRALPEYQTL
EKLREKGVDDVDRIIELLRALFGLPPRRGTRSLQDDLNDFLALVPTDKVLE
IALDYLSNDSEVQEAVVYIQSEEFILTILRTVEELREFKDFVRFLRDHGID
AVAIINTINDILGLPPFQPKHSTRRGVGISGLIDDVIAVLPLDDLKALFE
KKLETSEDFRALVEAIQSPEFANIVDTLRALPEYQTLLEKLREKGVDDVD
RIIELLRALF

Termitogeton planus nymph GHXB01007738.1

YGLINSVNDILGLPPLKPMKSTRRGVGLDGLITDVIAILPVADLEELFAK
KLATSPDFQALVEGIQSPEFARIVEVLRGLPEYQDLLNNLRAKGVDIDHF
IELLRALFGLSRRGTRNLQDDLNDFLALVPVDRVLEIALDYLSNDKEVQE
FVIYIQSEEFVKILRTLEDLQEFKDFIKFLSDLGVDAYG

Termitogeton planus nymph GHXB01011760.1

MKIQIVIWAVLGLACGKYLPTVPLEDDLKEFMTLVPKDKLFEIALEYLYH
DREVKEFVVYLQSEEFPKIHTFIEYLKEYKEVKVPCLKFFDEYGFVYEI
VHHIHDVLHLPPEPTNRTYMGVGIHGLIEDVISVLPLKELKVLYEKKLE
TREYFKTLVTTIKSPVFKSVLDKVRTWPEYYKLLLEILREKFVDLDHIHEL
LYELYWRGIHILEHELKEFIPLDPTAKVLDILLDYLTYPDELKEFIVYIQ
SEEFPKIHKIVEYLKKYKELYVPCLYIDEYGVVDVYAIIVHEIYDIISEIY
IILGLPPLEPTYTTRMGVGIPGLIEDVITVLPLDELKVLIEKKVETKEYV
KILYTVIHSPEFMEVYTLRVLPEYKELVEFLLKIGVDVGRIIELVRTLL
SLPRL

Termitidae

Jugositermes tuberculatus worker GHZX01073273.1

MKLPIVILAVLGLAYGKSIPTRNLDLDDFLALIPLDKVLEITLDYLAN
DPEVQEAVIYIQSEEFHTIVTTVEALPEFKTLVKFIGDLGIDIYTIINTI
HDIIGLPPYQPKHSTRRGVINGLLDDLI AVL PVEELKALYEEKLKTSPD
FQALIAAIQSAEFATILETLRALPEYQKLLDSLREKGVVDVRIEFLKAL
FGLSRRGTRNLQDDLDLFLALVPLAQVLEVALDYLANDAEVQEFMVYLQS
EEFYKIIDAVEKLRFRNFLELINGLGVDIYTIINTIHDILGLPPFVPKY
NTRRGVGIKGLLDDLI AVI PLDDLKALFEQKKQTSPDFQVVIAAIQSPEF
KVIVDTLHALPEYNALLDNLRAGVDVDHII AVL REL FGLPP

Jugositermes tuberculatus worker GHZX01073285.1

MKLPIVILAVLGLACGKPLPTGKVQDDLKEFLELVPTDKVLEIALDYLYY
DKEVKELVVYIQSEEFPIHKIVEYLM EYKD CLKFINEYGV DVYAVIKEI
HDILESHPFEPNTIRMGVGIYGLIDDVIAVLPLDELKALFEKMETREY
FRTLVT PFKSPVFMK MVDTVRSWPEYQELLEILRGKVVDVDR TIELLRVL
YWRGTRKIQEDVKEFLKFVPQHKVFEIVLDYLSNDKEVKEFVVYIQSEEF
PYIHKIVEYLKEHKA CFKFIDEYGV DVYAIKEIHDILRFPFPFEP MNTTR
MGVGFQGLIDDVIAVL PPLDGLKALYEKEMEIRE CLKTLYTAIYSPVFRK
MVDILRDWPEYQEILDYLGKEQEILDYLRGKGVDPYIELLRTLYSLS
WRGIHILQEDMTEF MALVP THKFFEIALDYLAYDPEVQKFIVYIQSEEF
MIHKMVEYLKEYKDLLKFIDEHRVDVYAIKKIHDTLGFPPFEPTNTTRM
GVGIHGFIDDVIAVFP LDDLKTLVVKKMETREYLRPLVPVYKTVVKTVRS
PEFKKMVDTLRAMVDTVQTWPEYQKL VQMLRDKVFEDEHIIELFTELREL
FWRGTHILKDDLTEFMTLVPTDKVLDITLEYLAYDPKLKEFFVYIQSEEI
PMIHTIVEYLKEYKDLLKFIDEHRVDVYAIKKIHDTLGFPPFEPTNTTR
MGVG

Leptomyxotermes doriae worker GHZY01097234.1

MKFPIVFLAVLGLVCGKSLPTRNLQDDLNDLFLALVPLDKVLEISLDYLAN
DQEVQDAVIYLSPEFHKILTTVEDLKEFKDFLK FVNDLGVDVYSIINTI
HDVLGLPPFQPKHSVRKGVGLNGLIDDVIDILPVDELKALFDKKLQTSPE
FQALVAGIQSPEFKNILDNLRAVPEYQDLGQSLQEKGVVDVDHIEELLKAL
FGLSRKGTRTLQDDLNDLFLALVPLDKVIEIALDYLANDQEVQEAVIYLS
PEFHKILTTVEDLKEFKDLVKFINDLGVDIYSIINTIHDVLGLPPFQPKH
SVRKGVLNGLIDDVIDVLPVDELKALFDKKLQTSPEFQALVAAIQSPEF
KNIVDTLRAIPEYQDLLQSLRDKGVVDVDHIEELLKALFGLSRKGKSLPTG
TLQDDLNDLFLALVPIDKVLEISLDYLANDQEVQEAVAYLQSEEFYMILTT
VEDLKEFKDFVEFMNDLGVDVYALDN

Cavitermes tuberosus worker GHZE01030677.1

MRELFHLLALMKLPIVFLAVLGLVWGKSLPTRTLQDDLDDFLALIPLDKV
LEIALDYLANDPEVQDAVIYLSPEFHKILTTVEALQEFKNFVKFINDLG
VDVYTIINTIHDILGLPPFQPKHSTRRG TGLSGLINDILDILPLDDLKDL
FNKKLETSPDFKALVAGIQSEEF AKIVDTLRALPEYQVLLQNL RDKGIDV
DQIIQLLRSLFGLPQKGSRTLQDDLDDFLALIPLDKVLEIALDYLANDPE
VQEAVIYLSPEFHKILTTVEALQEFKNFVKFINDLGVDVYTIINTIHDIL
GLPPFQPKHSTRRG TGLSGLINDILDILPLDDLKDLFNKKLETSPDFKA
LVAGIQSEEF AKIVDTLRALPEYQVLLQNL RDKGIDVDQIIQLLRSLFGL
P

Cavitermes tuberosus GJZF01090478.1

VDVYAFILEIHDFLHLPPEPTNTPPMVGFLGLVRDVIAVFPLDDLKVV
FDKTEIRKYFKTLVTAVHSLFVNVVDTVKTWPEYEKLLLEIIREKVFVDVR
IIELFRELYLRGNHKLQEDLKEFMALLPSNKVFEIVLDYVSYDEKLREFI
VYIQSEKFPPHKKIVEHLTEYKDCCLKFINDEGVDVYAIILEIHDILGLPP
IEPTNTIPMGVGIYGLIRDVVAVLPLDDLTVFLDKKLGTKDFFMTLITAI
RSPVLMVMVNIVRSWPEYHELLKILRGMVVDVEPIIKLLKETLLRETHSI
RDDVKEFMILFPTDKVIHITLDYLANDTRLHEIFAYIQSEEYPIIPKIVE
YLKEYKYCLKFITDEGVDVYAIILEIHDILGLPPIEPTNTIPMGVGIYGL
IRDVVAVLPLDDLTVFLDKKLGTKDFFMTLITAIRSPVLMVMVNIVRSWP
EYHELLKILRVMVVDVKPIINLLKETLLRETHSIRDDVKEFMILFPTDKV
IHITLDYLANDTRLHEIFAYIQSEEYPIIHKIVEYLKEYKHCLKFIDDQG
VDVYAFILEIHHILGLPPLEPVDTRTGVGIFGLIDDVYAVLPLEDLKEF
FHLKMTREYFKILVTSLKTTVTTRISPVIVNVDTVRALPEYQKLEIL
LEMGVDDVLIIERLKVLYALLPF

Inquilinitermes inquilineus GKIC01204865.1

MKLPIVFLAVLGLVCGKSLPTRNLQDDLNDFLALVPLDKVLEIALDYLAN
DPEVQEAVIYQLQSEEFHKILTTVEALPEFKNFVKFISDLGVDVYTIINTI
HDILGLPPFQPRHSTRRGVGLSGLIQDITAVLPLDDLKALFENKLQTSPD
FQALVAGIQSEEFKIVNTLRALPEYQELLQTLRDKGVDVDQIIALLRAL
FGLPQKGTRSLQDDLDDFLALIPLDKVLEIALDYLANDPEVQEAVIYQLS
EEFHKILTTVEALPEFKNFVKFISDLGVDVYTIINTIHDILGLPPFQPRH
STRRGVGLSGLIQDITAVLPLDDLKALFENKLQTSPDFQALVAGIQSEEF
KIVNTLRALPEYQELLQ

Inquilinitermes inquilineus GKIC01076654.1

NMVDTVRAWPEYKKLFDSLRRRGVDVERIIEHLRALFGLSWRGNNWLQDD
LKEFLALVPTDKVLEIALDYLANDQEVREFVEYIQSEEFPKIHTIVEHLK
QYKDCCLKFINDQGVYAIINEIYNFLDLPPFQQTNTTTRTGVGMQGLVDD
VIAVLPLDDLKALFGKTETRKYFKAMFTAIHSPAFMMVDTVRTWPEYNK
LQQLREKVFVDVRIWELFRELYWRGTHRLQDELNEFMEHLPTDKFLEIL
LDYLANDEEVREFAVYIQSEEFPKIHKVVEYLKEYKYCLRFINDEGVDVY
ELILEIHDFLNLPPLEPTTTTTRMGVGFLGLVHDVIAVLPFDDLKAFFDKT
EITKYFKTLVTAIQPHYVNVVDTVRTWPEYKKLLEIREKVVDVDRYIEI
FRELYWRGINKIQDQYLYQYVQYIQDYLKEFMAIFPTNKVFEIVLDYLAY
DKQVREFLVYIQSEEFPLIHKIVEYLKEYKYCLKFITDNGVDVYTFIL

Embriatermes neotenicus worker GHZN01085478.1

IALDYLANDPEVQEAVIYQLQSEEFHKILTTVEALQEFKNFVKFINDLGVD
VYTIINTIHDIIIGLPPFQPRHSTRRGVGLNGLFDDLTAVLPLDELKALFE
EKLQTSPDFQALVAGIQSPEFAKIVETLRALPEYQNLLQSLRDKGLDVDR
LIELLRALFGLSRRGTRTLQDDLNDFFVALIPVDKVLEIALDYLANDQEVQ
EFVTYLQSDEFHVIINTIEGLQEFRDFLKFNLGLGVDVYAIINTIHDIIIG
LPPFQPRHSTRRGVGLNGLFDDLTAVLPLDELKALFEELQTSPDFQALV
AGIQSPEFAKIVETLRALPEYQNLLQSLRDKGLDVDRLELLRALFGLPT
F

***Euhamitermes* sp.** worker GHZ001132964.1

MKIPIVILAVLGLACGKSIPETRRLQDDLNDFFALVPTDEVLAIALDYLA
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LHDFIGLPPYVPKHSIRRGVINGLLQDIIAILPVEDLKALFDEKLQTSP
DFQAFIASIQSEEFVILDTLRALPQYQELLNSLSEKGVDAAIIEFLKT
LFGLSRQGTRTLQDDLDDFVALLPVDVLLGIALDYLANDAEVQEFMVYLQ
SPPFHLIITTEEALPEFKNFVDFIVVHGVDAYGIINTVHDILGLPPYGSK
YHTRRGVINGLLQDVIANPLDELKALFDDKKGTSPDFQDLLAAIQGPE
FTVIVNTLHALPEYNSLLDDLRAKGVVDVGGIIAALRELFGLPPL

***Euhamitermes* sp.** worker GHZ001109466.1

VKEFVAYM HSEKFPYIHKPVEYLKQYKL CLKHIDVYAIINKVYDTLGLPP
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KTLVKIISHEFKKIVDTRARM VDTVVRPMM VDLVRNWPKYW PEYQKQFE
MLREKYFNKDHIIEKLGKFRELFLKGIHYLKEDITEFM ELVPPHKFFEIS
KEYLTYDPEVQEFVAYIQSEKFPFIHKPVEYLKQYKPC LKIDVYAIINK
IYDTLGLPPFVPTNTTTRTGVGFGHLKDDM IAVFPLEDLNAFFEKKM ETRE
YYKPLLPAKYTLVKTIQPHVLKKIVNTVRLIM VDLVQPM VDLVQPM VDLV
LVQNWP KYLSEYQKQFVM LREKYFNKDRIVHKLGEIRDRLFQGYILKED
LQELNSLVPTKKVLIITLDYVAYDPELQELLDYIQSEKFPPIHNFVGYLK
GYKDRQLQFIDDRGVNIYAIIVKIYDTLGYPLPEPTNTTHSGIQGLM PKVI
ASFPLEDLNAFIEKKM EAREYYKPLLVPYKTLVKTIESPVLKKVVVTVRA
RM VDTVVRPMM VDLVRNWPQYW WPEFQKQFEM LRENVFDKDRVIELLRELRE
LFLQGAYILKDDLQEFM PLVPAGKVCDIILVYLAYDPEVQEFLDYIQSEE
FPVIHNIVEYLKGYKDHLQFIDDHGVNIHAIKIFYDTLGYPPLEPTNTT
PNGIQGLKQNVIAAFPLEELKAFVAKKIETRPYFRTM VSTYNTLVTTIQS
PEFRM M VYAVRSFM VDTVGSW PEYQEVVEM LREKAFDVNRTIELLRDLSK
LFWRGAYILIDDLQEFM SLVPTDKVLDITMDYLTYPPEVQEFLDYIQSEE
FPMIHNIVEYLKEYKDRLPFINDHGVDFYAIKQVHDTLGYPLFEPTNTT
RTGVGFHGLIHDVIAAFPLDELKAFVENKLETRNYFKILVTVYKTLVATL
QSPEFREMV DTVRAFMD LTLQAFTEHQRLLEILHEM GVDVDRIEELLRKL
FNW TPF

Anoplotermes banksi worker GHYX01127898.1

MKIQIVILAVLGLACGKSIPTRTLQDDLNDLLALIPLDELLGIALDYLAN
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HDIIDLPPYQPSRSTRKGVGLNGLIDDIFAILPTDALQALYNDKLQNSPD
FQALVAALQGPEFATILETLRALPEYQGFLQFLSDKDQVDVDRIIALFKAL
LGISRQGTGRTLQEDM DDFVALVPLDAVLTVALDYLANDQEVQDFMVYL
QSDPFYKIIGTVEALQQFKDFLVIINDLGIDVYSIINTIHDILGLPPYVP
KHNTRLGVGISGLLNDELALLPLDDLKALFEQKKQTSADFQAVVSAIQSP
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***Microcerotermes* sp.** worker GHYV01038129.1

MKFPIVFLAVLGLVCGKSLPTRSLQDDLNDFLALVPLDKVLEIALDYLAN
DPEVQEAIYILQSDEFHKIITTVEALPEFRDFLEFLNGLGIDVYAIINTI
HDVLGLPPFQSRHSTRRGTVGNGLLEAVIDVLPDELKALFDKKLETSED
FKALVKGIQSPFEAKIVDTLRGIPEYQDLLKSLKEKGVVDVDRIEELLRAL
FGLSRRGKSLPTRSLQDDLNDFLALVPLDKVLEIALDYLANDPEVQEAI
YILQSDEFHKIITTVEALPEFRDFLEFLNGLGIDVYAIINTIHDVLGLPPF
QSRHSTRRGTVGNGLLEAVIDVLPDELKALFDKKLETSEDFKALVKGIQ
SPEFAKIVDTLR

Pseudacanthotermes militaris worker GHYT01045980.1
EYQNLLDSLRAKGVVDRIIEFVRTLFGVSRRGTRSLQDDLDDFLALLPR

DQIVSIALDYLANDQEVQDLVVYAQSEEFHNIIVTTVEALPEYKNFVKFLS
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KALFEEKLETSPDFKAFVEAIQSPEFQSIVETLRALPEYQNLLDSLRAKG
VDVDRIIEFVRTLFGVSRRGTRSLQDDLDDFVALLPLDQVIDIVLDYLAN
DQEVQEFVVYIQSDEFHKIVTTVEALAEFKNFVKFLSDHGLDVTSAINTI
HDAIGLPPYQPRHSTRRGVGLISGL

Occasitermes sp. worker+soldier GIAP01117651.1
FVKFISDLGIDVYTIINTIHDILGLPPFQPKHSVRRGVGLNGLIDDVINV
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TLRDKGVDVDHIIELLKALFGLSRKGTRTLQDDLNDFLALVPLDKVLEIA
LDYLANDPQVQDAVIYLSQSEFHKILTIVENLKEFKDFVKFISDLGIDVY
TIINTIHDILGLPPFQPKHSVRRGVGLNGLIDDVINVLPDELKALFEQK
LQTSDFQALVAIQSPEFANIVATLRALPEYQDLLQTLRDKGVDVDRII
ELLRALFGLSQ

Occasitermes sp. worker+soldier GIAP01117649.1
FITDQGVVDVYEIIESEIHYILEKHPFQPTNTTRMGVGFYGLIDDVIAVLPL
DELAFLDKKLITGEFFKNLLTAIRSLDVMMKMDTVRAWPEYREMLEILR
EMVPYVERIYKLLWEPSSLREIHLRLQDDLKKFTALFPTDKVLEIIRDYLES
DPELHKVLVYIQSEEFPKIHTIVEDLKEYKDCFKFITDQGVVDVYEIIESEI
YYILEKQPFQPTNTTRMGVGIYGLIDDVMAVLPLDDLTALLDKKLETREL
FRSLLTAIRSLDVMMKMDTVRAWPEYHEMLEILQEMVPYVERIYKLLWEP
SLREIHLRLQDDLKKFTALFPTDKVLEIIRDYLASDPELHEVLVYIQSQEF
PRIHKIVEYLKEHKDCFKFISDQGVVDVYAIIESEIHYILERHPYQPTNTTR
TGVGIYGLIDDVIAVLPLSEWKALLDKKMEASQYLKTLVKLIDIPAFMSI
VDTVRSWPEYYELLEIVREKDVVDHRIIGLKFELYKRGTPWLKDSLKELM
AIIPDMMVLEIALDYLA

Sphaerotermes sphaerotherax worker GIAI01046998.1
IHDILGLPPFQPKHSTRRGVGLNGLIDDVLA VLPLDELKALFDQKLQTS
DFQALVKAIQSPEFAKIVDTLRAWPEYQDLLQKL RDKGVDVDRIIE LLRA
LFGLSRRGTRTLQDDLNDFLALVPTDKILEIALDYLANDPEVQEAIYIQ
SEEFKILTVEALQEFKDFVKFINDLGVDVYAIINAIHDILGLPPFQPK
HSTRRGVGLNGLIDDLIAVLPIDELKALFDQKLQTSDFQALVKAIQSPE
FAKIVDTLRAWPEYQDLLQKL RDKGVDVDRIIE LLRALFGLSRRGTRTLQ
DDLNDFLALVPTDKILEIALDYLANDPEVQEAIYIQSEEFKILTVEA

Astratotermes sp. worker GHYY01048487.1
MKIPIVILAVLGLVCGKSIPTRTLQDDLDDFLALIPVDKILEIALDYLAN
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HDIILLPPFVPHSTHRGVGLNGLDDILAVLPLDELKALYDEKLQTSDF
FQALIAAIQSPEFATILDTLRALPEYQKLETLREKGVVDVDRIIE LLKAF
FGLSRRGTRTLQDDLDDFLALIPVDQILGIALDYLANDPEVQDAVIYLSQ
QEFHSIVLTVEGLQETKDLLKFVYDLGIDVYAILNTIHDIIILLPP

Spinitermes trispinosus worker GIAJ01182109.1
MKLPIVFLAVLGLVWCGKSLPTRTLQDDLDDFLALVPVDKVLEIALDYLAN
DPEVQEAVIYLSQSEEFHKILTVEALQEFKDFVKFLNDLGVDVYTIINTI
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FQALVAGIQSEEFVIVNTLRRAIPEYQDLLQKL RDKGIDVDKIIELLRSL
FGLPHKGTRTLQEDLDDFLALIPLDKVLEIALDYLANDPEVQEAVIYLSQ

EEFHKILTTVEALQEFKD

Spinitermes trispinosus worker GIAJ01133998.1

MKLPIVFLAVLGLVCGKPVPTRSLKDDLKEFLALVPTDKVLEIALDYLAY
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HDFLGFPPEPTNTTTPMGVGIYGLIRDVVAVLPVDDWAVLLDKMLETKES
FQTLVTVINPTVLLNMVDTVRSWPEYHELLKILQEKFVEVHHIFELLKEL
YWRESRSLDDLHDYMELVPKNKVFEIVLDYVANDPEVKKFIVYIQSEVL
PMIPKIVEYLKEYKHCLKFINDEGVDVYAFILEIHDFLHLPPEPTNTTR
MGVGFLGLIRDVIAVLPFDDFKAVFDKTETRKYFKTLVTAIHSLFVNVD
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VPTNKVFEIVLDYLAYDEEVREFVVYIQSEEFPIHKIVENLKEYEYCLK
FINDEGVDIYAFILEIHDFLHLPPEPTNTKRMGVGFLGLVHDVIAVLP
DDLKAVFDKTETRKYFKTLVTAIHSLFVNVDVTVRTWPEYEKLLIIREK
VFDVDRIIEILRELYLRGNHKLQEDLKEFMALVPTNKVFEIVLDYVAYDE
ELREFILYIQSEKFPPIHKIVENLKEYEYCLKFINDEGVDVYAFILEIHD
ILGLPPFEPIDTTRMGVGIYGLIDDVYAVLPLEDLKAFIDMKIKTREYFK
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LREMGVDVVLIIERLRVLYGLLPY

Palmitermes impostor worker GIAD01002139.1

FPPIHKIVENLKEYKYCLKFINDEGVDVYAIILEIHDIILGLPPFQPRHST
RRGTGLNGLINDILDILPLDDLKDLFNKKLETSPDFQALVAGIQSEEFK
IVDTLRALPEYQDLLQKLRDKGIDVDQIILLRSLFGLPRKGTRTLQDDL
DEFLALIPLDKVLEIALDYLANDPEVQDAVIYLSGGEFHKILTSVEDLQE
FKDFVKFISDLGVDVYTIINTIHDILGLPPFQPRHSTRRGTLNGLINDI
LDILPLDDLKDLFNKKLETSPDFQALVAGIQSEEFKIVDTLRALPEYQD
LLQKLRDKGIDVDQII

Palmitermes impostor worker GIAD01002133.1

MKVPIIILAFLGLVCGKPLPSGSLQDELNDFLVLPVPTDKIFEIALDYLAN
DPEVKELVVYIQSEEFPKIHRVVEYLNKYKDCLKFISDNGVDIYAIINEI
HDTLERHPFQPTNTTHKVVGIIYGLIDDVAVLPFNDLMTLFDKKMETSKN
LKTTLVTIIHSPVFMVMNAVRAWPEYHKLLIILQEKVVEVAHIEELLREI
SWQGTNSLQDDLKDFVAIFPTDRVLEIALDYLSQEVKKFVVSIIQSEEF
PKIHKVFEYVKEYKDCLKFINDQVVDVYAIKGIHDILERHPFQPTNTTR
MSVGIIYGLIDDVVAVLPINELKTLFDKKMKTSKDFRTMVTAIHSPDFANM
VETVQAWPEYKKLFESLRRKGVDERITEHLSALFGLSMRGTHRLQDDLK
EFMALVPTDKVLEIALDYLANDQEVREFVVYIQSEEFPKIHKIVEHLKEY
KDCLKFINNQGVDIYALINEIHDIPERHPFQPTNTTHMGVGIYGLIRDV

Cephalotermes rectangularis worker GHZD01100093.1

KIVETLRAIPEYQELLQNLREKGVVDVLIIEFLRALFGLSRKGTRTLQDD
LNDFLALVPLDKVLEIVLDYLANDAEVQEAVIYLSAEFAKILTTVENLQ
EFRDFVKFINGLGVVYAIINAIHDVLGLPPFQPRHSTRRGVINGLLQD
LIAVLPVDELKALFEQKLQTSDFQALVAGIQSAEFAKIVETLRAIPEYQ
ELLQNLREKGVVDVLIIEFLRALFGLSRKGTRTLQDDLNDLALVPLDKV
LEIVLDYLANDAEVQEAVIYLSAEFAKILTTVENLQEFRDFVKFING

Macrotermes natalensis MA-1 from genome

MKLPIVILAVFGLVCGKSLPTRDLQDDLNDLALLPTDQIVEVALDYLAN
DQEVQDFVVYIQSDEFHGIVTTVEALDEFKNFVKFIDGLGVNLTQIINTI

HDVIGLPPFQPRHSTRRGVGVSGLVDDVLALIPIDKIQALFEEKLQTSPD
FQAFVQAVQSPEFQGILNTRLALPEYQNLLDNLRAGVDVDAIEFLRSI
FGVSRRGNRNLQDDLNDLFLALLPTDQIVEVALDYLANDQEVQDFVVYIQS
DEFHGIVTTVEALDEFKNFVQFIDGLGVNLTQIINTIHDVIGLPPFQPRH
STRRGVGVSGLVDDVLALIPIDKIQALFEEKLQTSPDFQAFVQAVQSPEF
QGILTTLRALPEYQNLLDNLRAGVDVDAIEFLRSIFGVGSL

Macrotermes natalensis MA-2 from genome

MRISIVFLAVLGLVCGKPVENGSLQDDLNDFMALVPKDKVLEITLDYLHN
DKQVQEIVAYVQSEEFPLIHTVVEYLQEYKDCLKFVNDHGVDVYAIVNEI
HDRLGYPFFQPTNNTRTGFGINGLFDDVIAVLPRDDIIALVYQKKETIQL
YRALYTVIRTPEYTNLMDTVRTLPEWKELRNILQQRGVDVERYFERIKEF
FGLSRRGTRSLHEDVNDLIALVPTDKVLDILLDYLYNDEKVQKFVAYMQS
EEFPLIHTVVEYLQQYKNCLKFVNDHGVDVYAIVSEIHDRLGYPFFQPTS
FQPTNNTRTGVGINGLFDDVIAVLPRDDIIALVYQKKETIQLYKALYTVI
RTLEFTNLVDTVRTLPEWKELRSILLQEGLDVDYIIERIKEFFGLSRLGI
SRLQDDLNDLMALVPKDTVLEIVLDYLYNDEEVQEFIAVYVQSEEFPLIHT
LVEYLQQYKNCLKFVNDHGVDVYAIVSEIHDRLGYPFFQPTNNTRTGFGI
NGLFDDVIAVLPRDDIIALVYQKKETIQLYRALYTVIRTPEYTKFVNTVR
TLPEWKELRNILQQRGVDVERYIESIKEFFGLSRRGTRSLHEDVNDLIAL
VPTDKVLDILLDYLYNDEKVQKFVAYVQSEEFPKIHTLVEYLKQYKNCKVK
YIDDSVIDIYAIVNEIHDSLGYPPFQPTNNTRTGVSINGPIVDMIAAVLR
KDINFAVLPRDDMNALVYQKKETSQLYKTLYTVIRTPEYTNLVDTVRTLPE
WKELRNILQEWGVDVDHIYELFRALFVQP

***Aparatermes* sp.** worker GHYZ01043183.1

ILNTHDVIGLPPYQPSRSTRRGVGLNGLIDDIAILPVDKLQALFIEKL
QTSVDFQALIANIQGPEFAAILDELRALPEYQQFLQDLREKGVVDVHIE
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LYLQSAPFYKIIIGTVEGLQQFKDLLVIINNLGVDPYAIVNTIHDILGLPP
YVPKHSTRKGVGINGLLTDVLALLPLDDLKAIFEQKKQTSVDFKALVSAI
QSRDFAVIVDTLHGLSEYNSLLNNLRAYGVVDVGIIAYLRQLFDLPEF

***Aparatermes* sp.** worker GHYZ01043168.1

MKFPVAFLAVLGLVCGKPLPIAKFQEELNDLFLVLVPTDKILEITLDYVAN
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YYVLEKHPPFQPTNTTRMGVGFYGLITDVMAVIPLDDL TALLDEKLETGEL
FRSLLTEIHSLDVMKMDTVRTWPEYQEILEILREMIPIYVERIYKLLLEP
SLRGIHRLQDDLKNLTALFPTEKVLEITLDYLANDPKLHEL FVYLQSEAF
PRIHKVVEYLKEYKNCFKFINEEGIDVYAVLSEIHYILEGHPFQPTNTTR
TGFGIYGLIDDVIAVLPLSVWKTLDKEMEASPYLKT LVKLLDFPAFMSI
VNKVRSWPEYYELLEIIREKDVVDVDRITELLKELYRRGNPWLRSLKELM
TLIPTDKVLEIVLDYLDYDQEVRGFIVRIQSEEFPRIHKT VGYLKEYTYC
FKYINEQGIDIYQIISEIHYILEKHPPFQPTNTTRMGVGFYGLIDDVIAVL
PFDDLA AFLDTKMETGEFFKNLLTAIRTLDIMKMVDTVKKIVDTVRTWPE
YQEMLEILREMPYVENIYNILKELSLRGIHSLQDDLKELMVLVPTDKVL
EITLDYLHEALVYIQSEEFPLIHKIVVYLKKYLD CFPFITDEGVDIYVIV
NIVRDILGLTPIPTNITHMGLIHDVIAVLPLDDLKVLLDVKMETRVIYIR
TLVKIIRSPVLVNMVETVKKMVETVRALPLYQRLL EILREKGVDELIIIE
HLRVIFYPPRP

Basidentitermes aurivillii worker GHZB01184459.1

ILSTVEGLQEFKDVVKFISDLGVDVNAIINQIHDFLGFPFQPRHSTRRG
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TLRARPEYQDLIQKLVEKGVDVDRIIELVKALFGLSRKGTRTLQEDLDDF
LALIPVDKVLEIALDYLANDLEVQEAVIYLQSEEFYLILSTVEGLQEFKD
VVKFISDLGVDVNAIINQIHDFLGFPFQPRHSTRRG
TGINGLIDDLLAILPLEDLKALFDSKLETSEEFNALITGILSEEFAQIVETLR

Basidentitermes aurivillii worker GHZB01184433.1
YKNCLKYVNDRGVDVYAVIKKVYDTLPFPFPEPTNTIRTGVGFHGLKNDM
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ILRDDLREFMTLVPTEKVLVITLEYLANDQELQEFFVYIQSEKFPMVHTI
VEYLKQYKQCLKFIDDRGVNVYTIKKIHDTLGYPPPEPTNTTTRMGVGIH
GLIHVVAVLPFYDLMALEKKMETSKDFKTLVTVIRSPVFMNMMHAVQA
WPEYHKLLEILQQKVVDVHRIIEELLREISWRGTHSLQEDLNDFMVIFPTK
KVLEIALDYLSNDQELKEFIVYIQSEEFPKIHRVVEYLKEYKNCFKFIND
QGIDVYAIINVIYDILERHPFQPTNTTTRMGVGIYGLMDDVVAVLPVNELK
TLFDKKMLTSKGFKSLVTAHSPFANTVDSVRAWPEYKKLLESLQRKGV
DVDRIIEHLGALLGLSWRGTPRLQDDLKEFMALVPTDKVLEIALDYLAND
QEVHEFVVYIQSEEFPKIHTIVENLKEYKDCFKFINDQGVDIYAFINEIY
DTMEKHPFHPTNTTTRMGVGIYGLIDDVHAVLP

Cubitermes sp. worker+nymph GHZH01097255.1
GLPPFQPRHSTRRGVINGLIEDLLAVLPLEELKALFDYKLANSDFKTL
VEGIRSDTLAKIVETLRAIPEYQDLLQKL RDKGVDVDRIIEFVRALFGLS
RKGTRTLQDDLNEFLALIPVDKVLEITLDYLANDVEVQEAVIYLQSEEFY
KILSTVEALPEFKEFVQFINDLGVDVYAI

Cubitermes sp. worker+nymph GHZH01097272.1
LWEISLRETHTLQDDLHEFMALFPTNKVFDIVLEYIKNDKEMLEFFVYIQ
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NTPRMGVGIRGLVEDVIAVLPLHEFKALLDKKMETREYLKVVTAIRIHV
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LQDVLREFMAPVPMKFFEIFLDYLANDEEVREFVAYMQSEKFPKIHTVV
ENLKEYKDCFKFINDQGVVYAIINEIHDNLEMHPFQPTNTTTRHGVIY
LINDVVAVLPFEDWSALLDKKMETKDYFKTLVTTLMSPVFMNMMNTVQAW
PEYNEMVEILRVMFVDVQRIIHLRELSMRETRSLQDDLKEFMVLFPTDK
VIQITLDYLANDPELHEFFAYIQSEEFPKIHRVVEYLKQYKDCFKFISDQ
GVDVYAFILEIHDILGLPPFQPTNTTTRMGFGFYGFIDDVYTVLPLDDLKA
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LQQMGVDMEGIEHLREQFGPDPLYNRR

Indotermes sp. 1 worker GHZW01022852.1
ALDYLANAVEVQEAVVYLQSAEFHLIVLTIEGLQETKNFLNFLVDLDVPA
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KLQTSPDFQAFVAGIQSPEFEVILDTLRALPEYQGLLESLREKGVDDAI
LEFLKTLFGLSRRGTRTLQDDLNDFLALVPTDEILAVALDYLANDVEVQE
AVIYLSQEFHKIVLTIEGLQETKNFLQFISNTGVDVYGYLNTLHEIIGL
PPYVPKYSVRRGVGINGLLQDIIAVLPVDDLKALF

Indotermes sp. 1 worker GHZW01126462.1
MMKLSIIFVAVLGLACGKPLPSGGVQDDLNDFLEILPTDKLLEIGLDYLY

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IHDFLSHPHEPKNTAS M GVGIIYGLISNVISVLPVDELKAFYYEK M ETRE
YFKTLVKVVKSPVV M K M VDT M R D W PEYQEM L K IYQEKVVDVDRTIELLSK
LY W RGP C K LLEDLKL M TYIPQHEAFEIVLDYLSTDKEVKEFVVYVQSEE
FPKIHKIVEYLKENIY C SQFISEYGLDIYAIISEIHDILGLPPVKPTSTT
HRGAGINGLIDDVIAILPLYDLKSFFEKK M ETRESFKTLVTVIQSPEFLD
M M DTVQAW P KYQELLEILRGKGVDVDRIEELLRTLFSLS W RGNYSRLRYEL
IRLVTLFPTDKILDIV M DYLYNDNEVKEFIVYIQSEEFPRIHKIVEYLKQ
YKD C SKFINEYGVDIYAVVKQIHDTLRFPPYEP M N TTR M GVG F

Promicrotermes sp. worker+soldier GIAF01064537.1

RGVGFNGLLDDIYAILPVEALKALYEEKLQTSPEFQALVGGLLSPEFAGL
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DFVALLPTDQILEIALDYLANDLEVQEAVIYIQSEEFHPILT TVEALQEF
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AILPVEALKALYEEKLQTSPEFQALVGGLLSPEFAVSIH C VYLSYVS C C L
W YVHASV C IPD M NALLHPTGTSG

Nasutitermes sp. soldier GIAB01112380.1

IQSPEFAKILDTLRAIPEYQDLLQKLRDKGVDVDRIEELLKALFGLSRKG
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TTVEDLKEFKDFLKFLSDLGIDIYTIINTIHDVLGSPPFQPKHSVRRGVG
INGLIDDVINVLPLNELKALFEEKLQTSPDFQALVKAIQSPEFANIVDTL
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Nasutitermes sp. soldier GIAB01104082.1

VDVYAIISEIHYILEGHPFQPTNTTTRTGVGIIYGLIDDVIAVLPLSE W KAL
IDKK M EASQELKTLVKLIDIPAL M SVVDTVRS W PEYYELLEIVQEIVREK
DVDVDRIIELFKQLYRRGTP W LQDSLKEF M ALIPTDKVLEISLDYLAYDQ
EVREFIVYIQSEEFQIHKIVEYLQKYKD C FKYISEYGIDVYEIISEIHY
M LEKHPPFQPTNTTR M GVGIIYGLISDVIAVIPLDDLAFLDKK M ETGEFFK
NLLTAIRSIDV M K M VDTVRA W PEYQEM L EILRE M VPYVERIYKILRELSL
RGIHRVQDDLKEF M ALVPTEKVLEITLDYLHEAFVYIQSEEFPKIHKIVE
YLKKYKD C FPIISDQGVDIYGIVNEIRDILGLPPPIPPTNVTR M GLIDDVI
AVLPLDDLKVLDD M K M ETRVYIKTVVTAIRSPVLVN M VETVQD M VETVQA
LPQYQRLLEILREKGVDSIESIEHLRVIFYPPPP

Amitermes sp. worker GHXC01038018.1

DIIAVLPVDELKALFNEKLETSPDFQALVAGIQSPEFAIIVEKLRALPEY
QDLLQKLRDKGIDVDYFIELLRALFGLSRRGTRTLQDDLNDFLALVPLDK
VLEIALDYLANDPEVQEAVIYLQSEEFHKIITTVEDLKEFRDFVKFINDL
GVDVYAIINTIHDILGLPPFQPRHSTRRGSGLNGLIDDIIAVLPVDELKA
LFNEKLETSPDFQALVAGIQSPEFAIIVEKLRA

Amitermes sp. worker GHXC01011135.1

GVDVYAIINEIYDILRHPPFQPTNTTRKGVGIIYGLIDDEIAVLPVNLTAL
LGKK M ETREIFKTLVTATHSPVFLK M VHTVRA W PEYNEVLEILQV M VVDV
QHIIELF W ELYLEGTHSIRDDVKEF M ALVPTNKIFEIT M DYLAHDPHELHE
IFAYIQSEQFPKIHKIVEYLYKQYKD C FSFINDEGVDVYAFILEIHDILGL
PPFEPTNTTR M GVGIRGLINDVVAVLPIDD W AALLDKKLETEEFFQNLVT
ANLSSAFVN M VNTVQA W PEYHEVHEILRE M VVNVKQITKIL W ELSLRETR
SLQDDLHDF M ALVPTNKVFEVFNIALGYLSNNKELQEFVYIYIQSEEFPKI

HKIVEHLKEYKD^CFKFINDQGVD^MYEIINEIRDILDLPFQPTNTTRGIQ
GLIDDVAVLPLDELKALYDKK^METRYFKALNTLV TALKSPVFVN^MVNT
V

***Pericapritermes* sp.** worker GIAE01163624.1

GLNGLIDDVAVLPVDELKALFDEKLV TSPDFQALVAGIQSDEFGKIVDT
LRALPQYQELLQRLREKGV DDKFIELLRALFGLSRKGTRTLQDDLNDFL
ALVPTDKILEIALDYLANDPEVQDAVIY LQSEEFHSILLTVEALPEFKNF
VKFISDLGVDIYTIINTIHDILGLPPFQPKHSTRRGFGLNGLIDDVAVL
PVDELKALFDEKLV TSPDFQALVAGIQSDEFGKIVDTLRALPQYQELLQR
LREKGV DDKFIELLRALFGLSR

***Pericapritermes* sp.** worker GIAE01058492.1

^MWEFHRLQDDLKEF^MELNPTNKVLEIALDYLAYDEEVRKFV VYIQSEEFPKI
HTIVEHLTEYKD^CCLKFINDQGVDVYAI VNEIHDKLERHPYQPTNTTH^MGV
GFYGLVDDVFAVLPLDD^MAALLDKK^METGEFFKTIVTTIRSPVLVK^MVDT
VRAM^MPEYHELLEILQEKVYGERIIKLV^MEISRRGTHTLRNDLKEF^MMALF
PTDKVIQITLDYLSNDPELQEKFAYIHSEEF PRLHAIVEHFKEYAY^CCLKF
INDQGV DVYAFVNEIYDIFGLSPFQPTNTTTRTGGGIYGLINDVFGVLPLD
DFKTLFYTK^METREYFKTIITTIPFVFVKT VQTVRA^MPEYHELIEIVRE
KDFDVEHIFELFRKLYDREFHRLQDDLKEF^MELYPTDNVLEIALDY

***Hospitalitermes* sp.** worker GHZV01006778.1

AVIY LQSPEFEKII TTVEDLKEFKDFLKF LNDLGIDVYSILDTVHDVLGL
PPFKPKHSVRRGVGLNGLIDDVINVLPLDELKALFEQKLQ TSPDFKALVA
AIQSPEFANIVNTLRALPEYQDLLQALRDKGVDVDRIIELLRALFGLSRK
GTRTLQDDLNDFLALVPLDKVLEIALDYLANDQEVQDAVIY LQSPEFQKI
LTTVEDLKEFKDFLKFVDGLGVDIYSILNTIHDVIGLPPFKPKHSVRRGV
GLNGLIDDVINVLPLDELKALFEQKLQ T

***Hospitalitermes* sp.** worker GHZV01006788.1

^MMKLPIVFLAVLGLVYGKSLPTRTLQDDLNDFLALVPTNKVLEIYLEYLTN
DPEVQEA IAYLQSEEFHVLLTTVENLKEFKDYVKF^MNDLGVDVYELDNQI
HDILGLPTLQPKPSTRRGVGLNGFID DVINVLPIDKFALFDEKLQTSPE
FQALVA AIQSPEFVNILDTLRATPEYQDLLQRLQEKGFVDVDFNELFRAL
FGLSQKGTPTLQDDLNDFLALVP^MDKVLKIVLDYLSNDKEVREFV VHIQS
EEFPKIHTTIEHLKKYKD^CSKFNNDHADV VYVFINVIHDFLGLPPFQPTN
ATR^MGVGIYGLIEDVIAVLPLHDVKALFEV

***Promirotermes* sp.** worker+soldier GIAF01095832.1

FKAYFNKKTETREYFKALLTVIRSPEFVNI^MDNVQNLVNTVQN^MVYTVQT
^MWPEYK^MLLEIVQEKRVDEDRIVELLKTLYDRS^MQGTQRLVDELKQI^MMAYF
PTDKVLETTLDYLANDEELREFLVHIQSEEF PQIHKIVEHLKEYKN^CCFK
INNEGVDVYAI VNEIYEILERHPYQPTNTPR^MGVGINGLIHDVVAVIPVE
DLTNHLDKE^MQIREFFKPLVTALKSPVLKN^MVNTVQA^MPEYNELREILRQ
^MMVSDAEPHIKNL^MELSLRGTHNLRQDVKEF^MMALVPTEQLIQITLDYLTND
PQLQEIIYAYIQPEQFPKIHEIVEYVKEYKY^CCFKFINDEGV D VYEFINEIY
HILNLPFQPTNTTR^MGVGIYGLIDDVAVLPFSDL^MALFD^MK^MMETSKDF
KTLVTIIHSPVF^MM^MVKTVRA^MPEYHQLLGILQEKFVDVEHIIELLREIS
^MWRGTHSLQDDLKDFMAIFPTDKVLEIALDYLANDQEVKDFV VYIQSEEFH
KIHTVVEYLKEYKD^CCFKFINDHGV D VYAIINEIHDSLE