

**Mtqwflknmqxkv\*Fkrvytce<G o r k f k f e g+Lk|gtum ej"jqt" c"Ht fncpvumc**

**G o r k f k f e g+\*Fkrvytce+qh"vjg" Lk|gtum2" jqt{"Ovu"cpf"Ht fncpv"tgikqp"  
\*pqtvjgtp"Dqjgokc."E|gej" Tgrwdnke+**

Milan CHVÁLA<sup>1)</sup> & Rcxgn"XQPK MC<sup>2)</sup>

<sup>3)</sup>Mcvgftc|qqnqikg."R ftqfqx fgem<sup>a</sup>"hcmwnc."Wpkxgt|kvc"Mctnqxc."  
Wjoj oø!8!D[! !239!55!Qsbi b!3<!f. n bjm;!n di wmb A obuvs/dvoj/d{  
<sup>2)</sup>Ugxgtq gum2" o w | g w o . " O c u c t { m q x c " 3 3 . " E \ " 6 " 6 8 2 " 2 3 " N k d t g e -  
g / o c k n c r c x g n o x q p k e m c B o w | g w o n d l e | "

**Cduvtcew**vjg h c o k n { " G o r k f k f e g + \* F k r v y t c e + y c u u w f k g f k p v j g L k | g t u m 2 " j q t { " O v u " c p f " H t f a c p v " t g i k q p " p q t v j g t p  
Dqjgokc."E|gej" Tgrwdnke|Cnvqigvgt"; ;"urkegu" ygtg" hqwpf." o c k n { " q h " v j g " g o r k f k p e g " i g p g t c " *Hilara.* " *Empis* c p f " *Rhamphomyia.* " o c m k p i " w r " p g c t n { " q p g " v j k t f " q h " v j g " m p q y p " h w p c " q h " v j g " E | g e j " T g r w d n k e | " C v " n g c u w " 3 2 " u r k e g u " c t g " e n g c t n { "  
jki j " o q w p v c k p " u r k e g u . m p q y p " h t q o " E g p v t c a / G w t q r g c p " o q w p v c k p " t c p i g u " k p e n w f k p i " v j g " C n r u o

**Mgf" yqt fu<** Fkrvytce." G o r k f k f e g . " L k | g t u m 2 " j q t { " O v u . " H t f a c p v " t g i k q p . " p q t v j g t p " D q j g o k c . " E | g e j " T g r w d n k e . "

hcvpkvieu

—XQF

gng " G o r k f k f e g + \* m t q w f l k n m q x k v | + " I g " x " T " | c u v q w r g p c " 4 ; 5 " f t w j { \* " E j x <sup>a</sup> n c " 4 2 2 8 + . " | " p k e j f l "  
v<sup>2</sup> o " r q n q x k p c " I g " u x o " x u m { v g o " x <sup>a</sup> | a p c " p c " x { -- " r q n q j { " p g d q " r g x <sup>a</sup> f l p " p c " j q t u m 2 " q d n c u v k 0 "  
Nctx{ " l u q w " f t c x 2 " c " f l k " " x " | g o k " p g d q " l k p e j " u w d u v t <sup>a</sup> v e j e . " f q u r n e k " l u q w " I q t k m q n p f . " x v - k p q w " p g m v c /  
t q L n p f . " I g p " o c a " u m w r k p c " \* r g x <sup>a</sup> f l p " | " v | x 0 " c m x c v k e m e j " u m w r k p + " I g " x n w p " f t c x <sup>a</sup> k " x " f q u r n q u v k 0 "  
P m v g t 2 " I q t k m q n p f " h q t o { " r q f g n g f k " G o r k f k p e g " l u q w " f t c x 2 " x " f q d " r <sup>a</sup> g p f . " m f { " u c o g e " r g f <sup>a</sup> x <sup>a</sup> "  
u c o k e k " d j g o " m q r w n c e g " m q k u v . " x v - k p q w " l k p " j o { | " d q j c v " p c " d f n m q x k p . " p g d q " I g p " e j c t c m v g t k u /  
v k e m " r g f o " v . " v | x 0 " u x c v g d p f " f c t . " l c m q " m q r w n c p f " l u v k o w w u " m " t q | g | p <sup>a</sup> p f " m q p u r g e k L e m 2 " j q u c o e g 0 "  
M " r <sup>a</sup> g p f " f q e j <sup>a</sup> | " x v - k p q w " x g " x g n o k " e j c t c m v g t k u v k e m e j " f t w j q x " u r g e k L e m e j " x | f w - p e j " t q l " e j 0 "  
Q f w f " v c m 2 " g u m " p <sup>a</sup> | g x " m t q w f l k n m { . " x " c p i n k v k p " f c p e g " I k g u . " x " p o k p " V c p | I k g i g p 0 " \ " L k | g t u m e j "  
j q t " d { n q " f q u w f " r w d n k m q x <sup>a</sup> p q " 3 4 " f t w j " t q f w " *Rhamphomyia* " \* D c t v <sup>a</sup> m " 3 ; : 4 - 0

**OGVQFKMC" C"OCVGTk f N**

Ocvgtk<sup>a</sup>n{d{n|fum<sup>a</sup>p<sup>a</sup>x<sup>a</sup>ngvgej"422564229t |p ok<sup>a</sup>ogvfco<sup>k</sup>ud tw.wxgfgp ok<sup>x</sup>p<sup>a</sup>ungfwl<sup>e</sup>fo<sup>r</sup> g j n g f w \* | m t c v m { "  
l u q w " r q w f l k v { " x " r g j n g f w " f t w j + < " G V " 6 " g o g t i g p e g " v t c r u " \* g o g t i g p y p f " r c u v k + . " O V " 6 " O c n c k u g " v t c r u \* O c n c k u g j q " r c u v k + . "  
R V " 6 " r t q v k p " v t c r u " 6 " o g c v " v t e r u \* r t q v g k p q x 2 . " o c u q x 2 " r c u v k + . [ R V " 6 " { g n n q y " r c p " v t e r u \* f l n w 2 " o k u m { + . " x - g " L 0 " R t g k u n g t "  
( " R 0 " X a p k m c " n i v 0 " N 0 " 6 " n k i j v \* p q p f " q f e j { " v " p c " u x v n q + . " R 0 " J g o c p " n i v 0 " U Y " 6 " u y g g r k p i \* u o m <sup>a</sup> p f " x g i g v c e g " u f " + . "  
L 0 " R t g k u n g t " n i v 0 . " r q m w f " p g p f " w x g f g p q " l k p c m 0 " R q f t q d p " v { " v q " o g v f { " r q r k u l w g " X a p k m c \* 4 2 2 : + 0 " R q m w f " p g p f " w x g f g p q "  
l k p c m . " o c v g t k n " f g v g t o k p q x c n " r t x p f " c w q t " c " l g " w n f l g p " x g " u d " f t e g " U g x g t q g u m 2 " j q " o w | g c " x " N k d g t e k 0 " F q r n p p { " l u q w " A f c l g . "  
m v g t 2 " d { n { | " f u m <sup>a</sup> p { " o k o q " v g p v q | " a m m c f p " x | m w o . " c " | o f p p { " l u q w " k " n k v g t <sup>a</sup> t p " A f c l g | " g " u n g f q x c p 2 " q d n c u v k " L k | g t u m e j "  
j q t " c " H t f a c p v u m c " f q " t q m w " 4 2 2 . . " r q m w f " l u q w " m " f k u r q | k e k 0 " R q f t q d p l - " x { " o g | g p f " e j c t c m v g t k u m c " u n g f q x c p 2 " j q " A | g o f "  
x k | " X a p k m c " ( " X l - <sup>a</sup> m " 4 2 2 : + 0

**R g j n g f " n q m c k v**

—fclg<sup>a</sup>nqmcnk<sup>a</sup> o " l u q w " w x g f g p { " x " p <sup>a</sup> u n g f w l e f o " r q c f " < " f u n q " c " p <sup>a</sup> | g x " n q m c k v { " \* q d g e . " <sup>a</sup> w " q d e g . " e j t <sup>a</sup> p p <sup>2</sup> " A | g /  
o f " x t e j q n " c r q f 0 + . " h c w p k u v e m " o c r q x " v x g t g e \* R t w p g t " ( " O f m c 3 ; ; 8 + . p c f o q u m <sup>a</sup> x - m c . d k q v r 0 " P m v g t 2 " n q m c k v { "  
l u q w " t q | f n g p { " p c " x f e g " d k q q r . " m v g t 2 " l u q w " q | p c g p { " r f u o g p { 0 " R q w f l k v 2 " | m t c m { < " P R T " 6 " p " t q f p " r " f t q f p " t g | g t x c e g . "  
R T " 6 " r " f t q f p " t g | g t x c e g . " R R " 6 " r " f t q f p " r e o <sup>a</sup> v m c 0

**J3\_**"Dfn "Rqvqm."7379<"]**3e\_**" o qm cf" c"xajm2"nqwm{"pcf"mqwrcnk-v o "c"x"Áfqm" Dfn2"j q"rqvqmc"lkfp "qf"qdeg."632" o=" **J3d\_**"t{dpf" m{"uxl"qf" flgn"uvcpleg"\*rtc o gpk-v . " o qm cf+c"nqwm{" rrf2n"rqvqmc"Xgnm" T{d" xqfc."672" o="]**3e\_**"Áfqm" gtp2"j q"rqvqmc"l|0"qf"qdeg"ngu+."652" o"]**4\_**"Dwmqxe RT."737.": :2/:52" o."ngup"rtc o gpk-v . "Rtcnqwmc."Wrqn/ ppx"nqwmc"jqtum2"nqwm{"rtc o gpk-v . " o qm cf{+0"]**5\_**" gtpqwu{/X"Rqmk."7278."472" o."uqwuvcxc"t{dpfm" x ejqfp " qf"qucf{"\* o qm cf" w"r" f"vqm" f"q"t{dpfm+c0"]**6\_**"Ht fncpv."7278."542" o."d gj{" gm{"Uo f20"]**7\_**"Jctvc"\*qdge"Ht fncpv" x" gej"ej+."7278."482" o."Áfqm" gm{"Uo f2"d gj{"c"r" f"vqm{+0"]**8\_**"Jqtpf" gtp"Uwvfpieg"\*qdge" Pqx"Xgu"pcf" Pkuq+."7479."972" o"\*xajm2"nqwm{"qn-kpc." o qm cf+0"]**9\_**"Jqtpf" Nw cp{"\*qdge" Nw cp{"pcf" Pkuq+."7479."892" o." t{dpfm" M "u"m"nqwmc." o qm cf+0"] : "**Jqtpf" Rgtvqvkpeg"\*qdge" Rgtvqvkpeg+."7278."522" o<]: c\_**"J tcpk p"t{dpfm" o qm kp{" w"x vqmw+=":**d\_**"M"am x"t{dpfm" o qm kp{+0"]; "**Lgfnqx** " f n"RT."7479."892" o."rqvqmc"lgnqx"nqwm+0"]**32\_**"Lk|gtmc"\*qdge" Mq gpqx+."737.": :72" o."d gj{" f m{"Lk|gtm{0"]**33\_**"Mq gpqx."747.": :rqvqmc" o qm kp{" rrf"flgn"uvcple0"]**34\_**"Nwfxmqx" rrf"Uo tmg o"\*qdge" Pqx2" O uvq" rrf"Uo tmg o+."7279."652" o."rcuvxlp{" |" a rcfp "qf"qdeg0"]**35\_**"Ocn"Uvtepc"RT." 7479."922/942" o"\*nqwm{" o qm cf{. "t{dpf" gm."rqvqmc+0"]**36\_**"Ogppft{"Uo f2"RT."7278."442" o<"]**36c\_**"t{dpfm" Fwd"m" \* o qm kp{+} "**36d\_**"t{dpf" gm"uxl"qf"t{dpfmw" Fwd"m" \* o qm cf. " rrf o " gp"qn-kpc+} "**36e\_**"qucfc" Hknkrqxm."d gj" gm{" Uo f20"]**37\_**"Olpmqxieg"\*qdge" Xk- qx+."7278."472" o"\*rqvqmc." o qm cf+0"]**38\_**"Opf-gm."7378."652" o."xajm2"nqwm{" w"flgn" uvcpleg0"]**39\_**"Qnf kejqx"x"J"Áfej."7378."622" o." "av" Pc"Rln"ej."rqvqmc"lgnqwm{"d gj"rqvqmc+0"]**3\_**"Rncx{"."7479." 622" o."Áfqm" Rttqwdum2" j q"rqvqmc"t{dpf" gm."ngup"rqvqmc+0"]**3\_**"Rquvqgm" qdqtc"x ejqfp "qf"qucf{"Rquvqmc."qdge" Xk- qx+."7278."4:2" o."Dwnqxm "rqvqmc."ngup"t{dpfm{0"]**42\_**"Teurgpexc."7378."542" o."Jqwdq"rqvqmc" o qm cf" rrf" flgn"vtcv+0"]**43\_**"Te-gnkp-v "Lk|gtm{"PRT."737.": :82" o."Mnw"igj"nqwmc"\*tc-gnkp-v +0"]**44\_**"Tglfleg"\*qdge" Mq gpqx+." 747.": :872" o."rqvqmc"lgnqwmc"rtc o gpk-v . " o qm cf+0"]**45\_**"Uo tm" o cuxk"jqt{+. "7379<"]**45c\_**"xtejqnqx"u ot kpc"pc"l|0" uxcjw."3"322" o="]**45d\_**"Mng qxv-."3"272" o"\*u o tmqx" o nc|kpc"pc"l|0" uxcjw+} "**45e\_**"Xnc-um "j dgv."22" o"\*dw kpc+= "**45f\_**"Ndxgtfum " o quv."922" o."d gj" |vtcegp2"j q"rqvqmc"ngup"rtc o gpk-v +0"]**46\_**"Mrk "m"xtejqn."PRT"l|gtumqjqtum2" dw kp{+."7378."822" o"\*dw kpc."rqvqmc+0"]**47\_**"W" M|ugm{"\*lkfp "qf" Pqx2"j q" O wvc" rrf"Uo tmg o+."7479."822" o."Áfqm" |vtcegp2"j q"rqvqmc" o qm cf. "rtc o gpk-v . "ngu."d gj"rqvqmc+0"]**48\_**"X"enxfmqxc"Uwvf"pme"\*qdge" Mq gpqx+."747.": :72" o"\* o qm cf."xajm2"nqwmc+0"]**49\_**"ncv"Qng-pleg."747.": :822" o." "av" P" xctqxum"nqwm p"rtc o gpk-v +0"

X UNGFM["C"FKUMWUG

R gjugf|lk-v p ej"ftwj "

\lk-v p2"ftwj" |luqw" c|gp{"cdgegf"p "x"t" a oek"u{uvg o cvkem2"j q" c|gp" rrf gngf" c"tqf 0" **E**\#o" ppx "ftwj" rrtq" gumqw" tgrwdnkwm0" U"o" mcvgiqtkg" gtxgp2"j q"ug|pc o w"qj tqflgp ej" ftwj " T"\*Ejx"anc" ("Dctv"am"4227+<"XW"o" |tckvgnp "ftwj0

Otgqigvqplpcc

Gloma fuscipennis Okgi gp."3:44

X"ugxgtp" c"uv gfp" Gxtqr {"-ktqeg"tq|-f| gp ."cng"pkmfg"jqlp "ftwj."x" o|ftp2" o"r" a u o w" Gxtqr {" jncxp "xg"x{-|ej" rqnqj"ej."x"tcmqwm ej" c"-x ectum ej" Cnr"ej" cfl"fq"3"522" o" p0 o"X" T" v2" o" x|" a ep "ftwj."lgp"qlgfkp n2"p"ang| |g"uv gfp"ej" rqnqj"qf"KX0"fq"XKK0."x" gej"ej" pcr 0" pc" Fwejeqxumw"\*Ejx"anc" ("Dctv"am"4222+."pc"Oqtcx |lk-v p" rrtx2"vgrtxg"pgf" xpxq"pc" Dtwp/ v"numw"\*Ejx"anc"3; ;9c+0

Mq gpqx"J33\_c"3;0XK04228."3" \*U Y+0

Iteaphila nitidula \gvvgtuvfv."3:5:

Jqncmvmek "ftwj" |p" o |g"ugxgtp" Gxtqr {"c"jqt"uv gfp" Gxtqr {0"X" T"qf"KX0"fq"XK0."jncxp "x" Mtmqpq-|ej" c"pc"mw o cx "pcr 0" Dctv"am"3; ; :+. "pc"Unqxpumw" c"x"Rqnumw"pgx|" a ep "x"vcvt" a ej." pc"lkj|cucjwlg"fq"tcmqwm ej."-x ectum ej" c"kvnum ej" Cnr0"lgp"x|" a ep "x"pkf-|ej" rqnqj" a ej." pcr 0" pc" Fwejeqxumw"\*Ejx"anc" ("Dctv"am"4222+0" Rtxp"Áfclg" |Lk|gtum ej" jqt" fmc|wlf"lgjq" jqtum2"tq|-f| gp" x" o|ftp2" o"r" a u o w" Gxtqr {0"

Lgfnqx " f n"RT"]; <3;0/520X04227."8" .4" \* [RV+0" Tc-gnkp-v "Lk|gtm{"PRT"]J43\_c"3;0X0/50XK04227."3" \*OV+0

*Ragas unica* Ycnmgt."3:59" U<XW  
Pgjqlp "ftwj'ugxgtp"cuuv gfp"Gxtqr{"x" T"qf"X0"fq"XKK0"ur"-g"x"pflkp<sup>a</sup>ej."cng"|lk-v p"pcr<sup>0</sup>"  
k"pc"tc-gnkp-vpfej"dkqvgrgej"pc"TMwocx "\*Dctv<sup>a</sup>m" ("Tqj<sup>a</sup> gm"3;; ;+0"Xg"uv gfpfej"cx{-fej"  
rqnqj<sup>a</sup>ej"jqlp lk"rf<sup>2</sup>n"xqfpfej"vqm 0"X um{v"x" T"|cvf"o"uqwdqtp "pgp"rwdnkmqx<sup>a</sup>p."rfqdp "  
lcmq"w"fcn-fej"ftwj "rqf gngfk"Qtgqigvqpkpcg0  
Jctvc"]7\_<340XK04228."3" \*UY+0

*Oreogeton basalis* \*Nqgy."3:78+  
X nw p "uv gfgxtqrum ."rqo tp " cuv ."ur"-g"ngvp"ftwj."x" T"x"XK0"cx"XKK0."jncxp "x"pkfl-fej"  
c"uv gfpfej"rqnqj<sup>a</sup>ej"rqf<sup>2</sup>n"xqfpfej"vqm 0"Ujqfqw"qmnpqv"lgfkp "mqpmt<sup>2</sup>vp"rwdnkmqxcp "  
Àfcl"|pgldnkfl-]jq"qmql" T"lg"|Dcxqtum<sup>2</sup>j"nguc"\*Dctv<sup>a</sup>m"3;; ;+0"ftwj"d{n"rqru<sup>a</sup>p"|g"TMv tumc"  
c"x{um{vwlg"ug"lgp"qf"P ogemc"Rqnumc"pc"lkj"rq"TMx ectumq"Twowpumq0  
Jqtp" gtp"Uvfpkleg"]8\_<450XK04228."3" \*UY+0

### G o r k f l k p c g

*Hilara albipennis* xqp"Tuqgt."3:62  
Tq|-]gp"qf"Dtkvum ej"quvtqx "c"Fa<sup>a</sup>pumc"pc'ugxgtw"rq"cnrum<sup>2</sup>qdnucvk"pc"lkjw."xg"uv gfp"Gxtqr "  
o"uv{"jqlp "ftwj"lcm"x"pflkp<sup>a</sup>ej."vcm"k"x"jqt<sup>a</sup>ej"\*Ejx<sup>a</sup>nc"4227+0"V{rkem "lctp"ftwj."x um{v"  
qf"mqpeg"XK0"fq"rqnqkx{"XK0."pc"jqt<sup>a</sup>ej"cff"fq"x -gm"r gu"3"522"o"\*tcmqwm<sup>2</sup>Cnr{+. cuvq"  
o cuqx "pc"mxgvqwefej"xt<sup>a</sup>ej"0"Xgnok"jqlp "o"uv{"k"x"Mtmqpq-fej."pcr 0"x"Rgek"rqf"Up flmqw0"  
X"Lk|gtum ej"jqt<sup>a</sup>ej"ej{egp"lgp"lgfkp "gzgorn<sup>a</sup> "xg"x -eg"qmqq"822"o"p0o0  
\\ncv\*"Qng-plkg"]49\_<50XK04226."3" \*UY+0

*Hilara albitarsis* xqp"Tuqgt."3:62  
Tq|-]gp"qf"Dtkvum ej"quvtqx "c"lkflp"Umcpfkp<sup>a</sup>xk\*lgp"x|^ep "pc"klqnqxcpej"nqmcnk<sup>a</sup>ej+"r gu"  
uv gfp"Gxtqrw"lkflp "rq"TMx ectumq"cx'ugxgtp"kv<sup>a</sup>nk0"lctp"ftwj."qf"XK0"fq"XKK0."jncxp "cng"x"X0"  
\*Ejx<sup>a</sup>nc"4227+0"X" T.lcmq"x-wfg"xg"uv gfp"Gxtqr .lgp"rqo tp "x|^ep ."rgx<sup>a</sup>flp "x"pflkp<sup>a</sup>ej"  
c"uv gfpfej"rqnqj<sup>a</sup>ej."x"rqfjqtum ej"qdnucvej"lgp"fq"x -gm"qmqq"822"o"p0o0  
Dfn "Rqvm"]3e\_<40XK04227."4" \*UY+0

*Hilara allogastra* Ejx<sup>a</sup>nc."4223  
ftwj"lp<sup>a</sup>o "f"fxg"rqf"u{pqp{ogoo"*Hilara heterogastra* Pqykem."3:8:0"V{rkem "uv gfg/  
gxtqrum "jqtum "ftwj."r xqfp "rqrucp "|X{uqm ej"Vcvtg."cng"jqlp "pc"x-gej"x{uqm ej"  
jqt<sup>a</sup>ej"uv gfp"Gxtqr{0"X"cnr<sup>a</sup>ej"fq"3":22"o"p0o0."lkjxq ejqfp "r gu"Vtcpu{nx<sup>a</sup>pum<sup>2</sup>Cnr{"  
cff"rq"Mcxmc|. "x"pcf oq um ej"x -m<sup>a</sup>ej"r gu"4"422"o"\*Ejx<sup>a</sup>nc"4223+0"X um{v"qf"mqpeg"X0"  
fq"XKK0"X" T"jqlp "ftwj"x"Mtmqpq-fej."Dgum{fgej"clgugp"m<sup>a</sup>ej"0"X"Lk|gtum ej"jqt<sup>a</sup>ej"d{n"  
ud]t<sup>a</sup>p"lkfl"fxg."cng"Àfcl"\*lcpqx"pcf"Pkuqw."7479."9226:22"o"p0o0."3;0XK03;:4."3" .4" ."  
O0"Dctv<sup>a</sup>m"ni v0+"pgd{n"rwdnkmqx<sup>a</sup>p0"  
Uo tm"]45f\_<420XK04228."3" \*UY+0

*Hilara apta* Eqnkp."3:49  
Tq|-]gp"pc"Dtkvum ej"quvtqxgej."qfmwf"d{n"ftwj"rqru<sup>a</sup>p."xgnok"x|^ep "x"lkflp"o"TMx<sup>2</sup>fumw"  
c"xg"uv gfp"Gxtqr 0"X-wfg"x"o"ftp<sup>2</sup>o"r<sup>a</sup>uow"Gxtqr{"pgjqlp "ftwj."jncxp "x"pflkp<sup>a</sup>ej"rqf<sup>2</sup>n"  
gm."qf"rqnqkx{"X0."cng"pgl cuv lk"cff"x"XKK0"cff"XKKK0"\*Ejx<sup>a</sup>nc"4227+0  
Dfn "Rqvm"]3d\_<370/380XK04229."3" \*N+0"Ogcpft{Uo f<sup>2</sup>RT"]36e\_<360X0/360XK04229."3" \*OV+0

*Hilara bohemica* Uvtcmc."3;98

Uv gfgqxtqrum "pflkpp "ftwj |p<sup>a</sup>o "fqrquwf"lgp|" T."P o gemc."Tcmqwumc."<sup>TM</sup>x ectumc" c"Htcpek0<sup>0</sup>X" T"tq|-fl gp "x-wfg"x"pflkpa<sup>a</sup>ej."cng"lgp"lglfpqvnkx "\*Ejx<sup>a</sup>nc"3; ;9d+0<sup>0</sup>Lctp"ftwj." x um{v"jncxp "x"X0<sup>0</sup>c"XK0."xg"x{-fl"ej"rqnj<sup>a</sup>ej"cf|x"XKK0<sup>0</sup>Pc"jqt<sup>a</sup>ej"x|<sup>a</sup>ep ."pplx{-fl"x um{v" |lk-v p"x"Mtmqpq-fl"ej"pc"Nk- fl"jq g"\*3"542"o+."x v-kpqw"lgp"fq":22"o."k"x"Cnr<sup>a</sup>ej"pplx -g" fq"3"222"o"p0"o

Dfn "Rqvqm"]3e\_<40XK04227."4" \*U Y+0" gtpqwu{/X"Rqn"]5\_<360X0/360XK04229."3" \*OV+0"J qtpf]Rgtvqnveg]:c\_<360X0/360XK04229."3" \*OV+=]:d\_<30XK04227."3" \*U Y+0"Lgfnqx "f nRT"];\_<80/4:0XKK04227."3" \*OV+0"Mq gpqx" [11]<3;0XK04228."3" \*U Y+0"Opf-gm"]38\_<4;0X04227."3" \*U Y+0"Uo tm"]45f\_<330X0/40XK04228."3" \* [RV+0

*Hilara borealis* Qnfgpdgti."3;38

Uv gfgqxtqrum "ftwj"rqrucp "|g-v tum ej"Cnr."fqvk"jqlp "lcm"x"pflkpa<sup>a</sup>ej."vcm"x"jqtum ej" qdcucvej"qf"X0"fq"XKK0"\*Ejx<sup>a</sup>nc"4224+0"\p<sup>a</sup>o"|"egn<sup>2</sup>"cnum<sup>2</sup>"qdcucvc"Unqxpumc."x" T"jncxp " x"Mtmqpq-fl"ej"pc"<sup>TM</sup>w o cx 0"

Dfn "Rqvqm"]3c\_<40XK04227."4" \*U Y+0"Mq gpqx"]33\_<3;0XK04228."4" \*U Y+0"Rncx{"]3:\_<450XK04228."3" \*U Y+0" Teurgpexc"]42\_<330XK04228."3" \*U Y+0"Te-gm]pk-v "Lk]gtm{"PRT"]43\_<450XK04227."3" \*U Y+0

*Hilara brevistyla* Eqnkp."3;49

<sup>TM</sup>ktqeg"tq|-fl gp "ftwj"qf"Dtkvum ej"qvvtqx "c"lkflp"Umcpfkpa<sup>a</sup>xkg"x gyp "Hkpumc"cf|x"rq"Uv gfgq/ |gop"o q g0" cup "lctp"ftwj"u"jqlp o"x um{vg o"jncxp "x"X0<sup>0</sup>c"X0."jncxp "x"pflkpa<sup>a</sup>ej"rqf<sup>2</sup>n" xqfpf"ej"vqm ."pc"jqt<sup>a</sup>ej"\*k"x"Cnr<sup>a</sup>ej+lgp"fq"pcf o0"x -m{" :22"o"\*Ejx<sup>a</sup>nc"4227+0"

Ht fncp"]6\_<340X04228."5" \*U Y+0

*Hilara chorica* \*Hcm<sup>2</sup>p."3:38+

<sup>TM</sup>ktqeg"tq|-fl gp "ftwj"x"egn<sup>2</sup>"Gxtqr ."qf"Ncrqumc"cf|x"rq" gtp<sup>2</sup>"c"Uv gfgq|gop"o q g."jqlp " qf"XK0"fq"KZ0<sup>0</sup>X"pflkpa<sup>a</sup>ej"pgjqlp ."x"jqtum ej"qdcucvej"jqlp ."x"Cnr<sup>a</sup>ej"cf|x"fq"pcf o0"x -m{" 3"722"o." cuvq"xgmn<sup>2</sup>"uc o fl"tqlg"pcf"xqfp"ok"vqm{"\*Ejx<sup>a</sup>nc"4227+0

Dfn "Rqvqm"]3d\_<70/4;0XKK04227."3" ."4;0XKK0/3;0XKK04227."3" ."3" \*OV+0"J qtpf]Rgtvqnveg]:c\_<30/470XK04229." 3" ."3" \*OV+0"Lgfnqx "f nRT"];\_<80/4:0XKK04227."6" ."3" \*OV+0"Lk]gtmc [10]<4:0XKK04223\*tqlg"pcf" gmqw+." O0"Ejx<sup>a</sup>nc"ni v0" Ogepft{Uo f<sup>2</sup>"RT"]36e\_<360X0/360XK04229."6" ."360XK0/30XK04229."7" ."30/490XK04229." 32" \*OV+0"

*Hilara clavipes* \*Jcttku."3998+

<sup>TM</sup>ktqeg"tq|-fl gp "ftwj"x"egn<sup>2</sup>"ugxgtp"Gxtqr ."pc"Dtkvum ej"qvvtqxvej"cx"o fltp<sup>2</sup>o"r<sup>a</sup>uow"Gxtq/ r{"cf|x"rq" gtp<sup>2</sup>"o q g"cmcxmc|0<sup>0</sup>X um{v"rq"fnqw<sup>2</sup>"ngvp"qdfqd"qf"XK0"fq"XKK0."x"pflkpa<sup>a</sup>ej" o fluv{"xgnok"jqlp ."cng"flklg"pc"jqt<sup>a</sup>ej."x"Cnr<sup>a</sup>ej"cf|x"fq"pcf o0"x -m{"3":22"o"\*Ejx<sup>a</sup>nc"4227+0" D flp "ftwj"x"Mtmqpq-fl"ej0

Jqtp" gtp<sup>a</sup>"Uv fpleg"]8\_<450XK04228."8" \*U Y+0"Ocn<sup>a</sup>"Uvtcpe"RT"]35\_<40XKK04227."6" ."3" \*U Y+0"Rncx{ [18]<450XK04228."4" \*U Y+0"

*Hilara cornicula* Nggy."3:95

X"Gxtqr "-ktqeg"tq|-fl gp "ftwj."ej{dfl"lgp"x"lkflp" <sup>a</sup>uvk"rqf<sup>2</sup>n"Uv gfgq|gop"jq"o q g0<sup>0</sup>X"o fltp<sup>2</sup>o" r<sup>a</sup>uow"Gxtqr {"cuk"pgljqlp l-fl" <sup>a</sup>uvwreg"tqfw"*Hilara*."qf"X0"fq"XKK0"x"pflkpa<sup>a</sup>ej"xgnok"jqlp " \*Ejx<sup>a</sup>nc"4227+0"X"jqt<sup>a</sup>ej"x|<sup>a</sup>ep ."x"Cnr<sup>a</sup>ej"x lkog p "fq"pcf o0"x -m{"3"222"o."x" T"|lk-v p" pc"<sup>TM</sup>w o cx "fq":22"o"\*Pqx<sup>a</sup>"J tmc+."p{pfl"x"Lk]gtum ej"jqt<sup>a</sup>ej"\*xtejqnqa<sup>a</sup>uot kpc"pc"Uo tmw+ " cfl"xg"x -eg"3"322"o"p0"o

Dfñ "Rqvqm"]3c\_<530XK04226."3" .40XK04227."5" \*UY+="]3d\_<50/380XK04227."4" \* [RV+0" gtpqwu{/X"Rqmk"]5\_<  
;0XK04228."3:" .3" \*UY+="360X0/360XK04229."3" \*OV+0"Ht fncpv"]6\_<340X04228."6" .440X04228."38" \*UY+0"  
Jqtpf]Rgtvqvkqeg]:c\_<360X0/360XK04229."3" \*OV+="]:d\_<30XK04227."3";" \*UY+0"Opf-gm"]38\_<4;0X04227."5" "  
\*UY+0"Ogcpftf{U o f²RT"]36e\_<360X0/360XK04229."6" \*OV+0"Rqwvgem"aqdqt c [19]\_<440XK04228."5" \*UY+0"  
Tcurgpexc"]42\_<330XK04228."9" \*UY+0"U o tm"]45c\_<40/430XK04228."3" \* [RV+0"rk a m"]46\_<420X0/350XK04228."  
3" .350XK0/70XK04228."3" \* [RV+0

*Hilara discalis* Ejx<sup>a</sup>nc."3; ;9

Pgjqlp "uv gfgqxtqrum "ftwj."tq|-f] gp "x|<sup>a</sup>ep "cfl"fq"lkfpf]Umcpfkp<sup>a</sup>xkg."pc|"<sup>a</sup>rcf "qf"Jqncpf/  
umc"rq"TMx ectumq0" Jncxp "x"pflkpa<sup>a</sup>ej."x"jqt<sup>a</sup>ej" \*Lgugp]m{."Cnr {+"lgp"fq"pcf o0"x -m{"622" o0"  
X um{ "qf"mqpeg"X0"fq"XKK0"\*Ejx<sup>a</sup>nc"4227+0  
gtpqwu{/X"Rqmk"]5\_<;0XK04228."3" \*UY+0"Okpmqxkg"]37\_<440XK04228."4" \*UY+0

*Hilara discoidalis* Nwpfdgem."3;32

Ftwj"rqfqdp²jq"tq|-f] gpf]lcmq"r gfg-n ."cng"|p<sup>a</sup> o "k|"Dtkvm ej"quvtqx "c"|cucjwlfe]"x"leg"  
pc"ugxgt0"X" T"d{n}|lk-v p"pc"TMw o cx "pc"lglgtpf]uncvk"x"pcf o0"x -eg"; ;2"o."tqxp fl"cng"pflkpp "  
ftwj"u"x um{vg o "qf"X0"fq"XKK0"\*Ejx<sup>a</sup>nc"3; ;9+0"  
Rqwvgem"aqdqt c"]3;\_<440XK04228."3" \*UY+0

*Hilara femorella* \gwgvtugfv."3:44

Gxtqrum "ftwj"dqtgq o qpv<sup>a</sup>ppf]jq"cfldqtgqcnrkppf]jq"tq|-f] gpf]."p<sup>a</sup> o "lgp"|g"ugxgtpf]ej"qdnucv]"  
Umcpfkp<sup>a</sup>xkg" c"|jqt" xg"uv gfpf]Gxtqr ."d flp "x"pcf o0"x -m<sup>a</sup>ej":2264"422" o0"X um{v"x" T"  
c"Cnr<sup>a</sup>ej"wx<sup>a</sup>f]Ejx<sup>a</sup>nc"3; ;9c+0"Ngvpf]ftwj."qf"XK0"fq"rq a vmw"KZ0." cuvq"xgnm²"tqlg"pcf"xqfpf]"  
jncfkpqw"jqtum ej"rqvqm 0  
Lgfnqx "f n"RT"];\_<80/4:0XK04227."4" \*OV+0"Te-gnkp-v "Lk|gtm{"PRT"]43\_<70/4:0XK04227."3" \* [RV+0"U o tm"  
]45c\_<430XK0/350XK04228."7" \*OV+0"X<sup>a</sup>enc]mqxc"Uwvf<sup>a</sup>pmc"]48\_<440XK04227."8" .4" \*UY+0

*Jkntc"tcxrgu*"Ogki gp."3:44

TMktqeg"tq|-f] gp "ftwj"x"ugxgtpf]"c"uv gfpf]Gxtqr "cfl"rq"Htcpekk" c"ugxgtpf]TMrcp numq0"Ur|-g"  
rq|fp "ngvpf]ftwj."x um{v"qf"XK0"fq"Z0."xg"uv gfpf]Gxtqr "x"ejncfp l-]ej"x{|-]ej"rqnj<sup>a</sup>ej0"  
X" T"jqlp "pcr 0"pc"TMw o cx "Ejx<sup>a</sup>nc"3; ;+;"cfl"fq"pcf o0"x -m{"3"322" o"\*Cpv in+."cng"  
x"Mtmqpq-]ej"|cv]o"pg|lk-v p0  
Dfñ "Rqvqm"]3d\_<370/380XK04229."3" \*N+0"Jqtpf]Rgtvqvkqeg]:c\_<30/470XK04229."3" \*OV+0"Ogcpftf{U o f²RT"  
]36e\_<360X0/360XK04229."3" .360XK0/30XK04229."8" .30/490XK04229."3" \*OV+0"Ricx{"]3;\_<450XK04228."3" "  
\*UY+0"Rqwvgem"aqdqt c"]3;\_<440XK04228."3" .4" \*UY+0"Tglfkeg"]44\_<470X04227."5" \*UY+0

*Hilara fuscipes* \*Hcdtkewu."39;6+

X<sup>e</sup>gn²"Gxtqr "u"x lk o mqw"ugxgtpf]ej" a uvf]Umcpfkp<sup>a</sup>xkg-ktqeg"tq|-f] gp "pflkpp "ftwj"u"x um{/  
vg o "qf"mqpeg"X0"fq"XKK0."x"rqfjqtum ej"qdnucvgej"x gvp "Cnr"lgp"fq"pcf o0"x -m{"922" o"  
\*Ejx<sup>a</sup>nc"4227+0"X" T"|lk-v p"pcr 0"lgp"pc"TMw o cx "x"pcf o0"x -eg"822" o0"X"pflkpa<sup>a</sup>ej"x"tqlf]ej"  
pc"uvkpp ej" o"uvgej"pcf"xqfpf]jncfkpqwo

Dfñ "Rqvqm"]3d\_<370/380XK04229."3" \*N+0"Jqtpf]Rgtvqvkqeg]:c\_<30/470XK04229."3" \*OV+0"Ogcpftf{U o f²RT"  
]36e\_<360X0/360XK04229."3" .360XK0/30XK04229."8" .30/490XK04229."3" \*OV+0"Ricx{"]3;\_<450XK04228."3" "  
\*UY+0"Rqwvgem"aqdqt c"]3;\_<440XK04228."3" .4" \*UY+0"Tglfkeg"]44\_<470X04227."5" \*UY+0

*Hilara intermedia* \*Hcnn²p."3:38+

Xgn o k"jqlp "ftwj"x"ugxgtpf]Gxtqr "c"x"jqt<sup>a</sup>ej"uv gfpf]Gxtqr {"x"pkfl-]ej"rqnj<sup>a</sup>ej"lkfl"qf"rqnxk/  
p{"X0."xg"x{|-]ej"rqnj<sup>a</sup>ej"jncxp "x"XK0" c"XKK0"\*Ejx<sup>a</sup>nc"4227+0"Xgnm²"tqlg"pc"jqtum ej"rqvqef]ej"

luqw" cuv<sup>2</sup>"cfl"fq"pcf o<sup>0</sup>"x -m{"3"822"o<sup>0</sup>"X" T"xg"x-gej"rqjq"fej"jqlp "ftwj<sup>0</sup>"X"lk|gtum ej" jqt<sup>a</sup>ej"d{n"udft<sup>a</sup>p"lkf" f f{xg."cng"Àfc|g"\*Mctnqx"w"Oczqxc."L<sup>0</sup>"Ocegmniv<sup>0</sup>="Lcpqx"pcf" Pkuqw." 9226:22"o"p<sup>0</sup>o<sup>0</sup>."O<sup>0</sup>"Dctv<sup>a</sup>m"ni v<sup>0</sup>+"pgd{n{"rwdnkmqx"ap{0

Dfn "Rqvm"]3d\_<370/380XK04229."9" .6" \*N+=]3e\_<40XK04227."3" \*UY +0"Rncx{"]3:\_<450XK04228."3" \*UY +0"™rk "m"]46\_<350XK0/70XK04228."3" \* [RV+0"WM{ugm{"]47\_<40/420XK04228."4" \*OV+0

*Hilara interstincta* \*Hcm<sup>2</sup>p."3:38+

Lgfkp "rtqmc|cvgnp "jqnctmvekem "|auvwreg"tqfw"*Hilara*"|lk-v p "tqxp fl"x"Mcpcf 0"X"Gxtqr "x-w/ fg"xgn ok"jqlp "x"p"flkp<sup>a</sup>ej"k"pc"jqt<sup>a</sup>ej"u"x lk omqw"lkfp"|"Gxtqr {0"U o tg o"m"lkjw"lgp"x"jqtum ej" dkvqrgej."x"cnr<sup>a</sup>ej"cf"fq"pcf o<sup>0</sup>"x -m{"3":22"o."xgn ok"jqlp "qf"X<sup>0</sup>"fq"XKKK<sup>0</sup>"\*Ejx<sup>a</sup>nc"4227+." cuv<sup>2</sup>"xgnm<sup>2</sup>"tqlg"pcf"xqfqw<sup>0</sup>"X" T"xgn ok"jqlp "x"p"flkp<sup>a</sup>ej"k"x"uqmq"x"jqt<sup>a</sup>ej<sup>0</sup>

Dfn "Rqvm"]3e\_<40XK04227."3" \*UY +0"]3d\_<370/380XK04229."3" \*N+=]3e\_<40XK04227."3" \*UY +0" gtpqwu{/X"Rqk" [3]\_<0XK04228."5" \*UY +0" Jqtp" gtp"Uvwfpleg"]8\_<450XK04228."3" \*UY +0" Jqtp"Rgtvqkveg":d\_<30XK04227." 3" \*UY +0" Lgfngx "f nRT";<80/4:0XK04227."6" \*OV+0" Lk|gtmc"]32\_<3:0XK04227."3" \*UY +0" Rqwvgem"qdtc" [19]<440XK04228."3" \*UY +0" Tcurgpexc"]42\_<330XK04228."4" \*UY +0" Tc-gnkp-v "Lk|gtm{"PRT"]43\_<450XK04227." 5" \*UY +0"™rk "m"]46\_<420X0/350XK04228."3" .350XK0/70XK04228."4" \* [RV+0"X<sup>a</sup>encxmqxc"Uwvf"pmc"]48\_< 440XK04227."5" \*UY +0"WM{ugm{"]47\_<40/420XK04228."5" \*OV+0

*Hilara litorea* \*Hcm<sup>2</sup>p."3:38+

™ktqeg"tq|-f gp "gxtqrum "ftwj"qf"ugxgtp"|"Gxtqr {"rq"Htcpekk.™mx ectumq"c"Twowpumq."x"o"ft/ p<sup>2</sup>o"r<sup>a</sup>uow"uv gfp"|"Gxtqr {"jncxp "xg"x{|-fej"rqnj<sup>a</sup>ej" c"x"jqt<sup>a</sup>ej<sup>0</sup>"V {"rkem {"ngvp"|"c"rq|fp "ngvp"|"ftwj."qf"XK<sup>0</sup>"fq"KZ<sup>0</sup>"\*Ejx<sup>a</sup>nc"4227+0"X" T"xgn ok"d flp "pc"™wcox "c"x"Mtmppq-|fej"cf"fq" pcf o<sup>0</sup>"x -m{"3"722"o+."xg"-x ectum ej"cnr<sup>a</sup>ej"cf"fq"4"222"o<sup>0</sup>"Ucoek"vxq"|" cuv<sup>2</sup>"tqlg"v up "pcf"xqfqw"pc"jqtum ej"rqvqe"ej<sup>0</sup>

Dfn "Rqvm"]3d\_<70/4:0XK04227."4" \*OV+0" gtpqwu{/X"Rqk"]5\_<360XK0/30XK04229."3" \*OV+0" Lgfngx "f nRT" [9]\_<80/4:0XK04227."4" .5" \*OV+0" Tglfieg"]44\_<70/4:0XK04227."4" .4:0XK0/380XK04227."3" \*GV+0

*Hilara longifurca* Uvtqdn."3:;4

Ftwj"ugxgtp"|"c"uv gfp"|"Gxtqr {"p<sup>a</sup>o "rq"fnqwjqw"fqdw"x"leg"rqf"u {"ppq{ og o"*Hilara mone- dula* Eqmnp."3;490"Xg"uv gfp"|"Gxtqr "pgr"flk-"jqlp "x"p"flkp<sup>a</sup>ej"qf"mqpeg"X<sup>0</sup>"fq"rq<sup>a</sup>vmw"XKKK<sup>0</sup>" \*Ejx<sup>a</sup>nc"4227+0"V {"rkem {"p"flkpp "ftwj"ej {"d l"fe"|"x"jqt<sup>a</sup>ej."k"x"cnrum<sup>2</sup>"qdnucvklgp"fq"pcf o<sup>0</sup>"x -m{" 872"o<sup>0</sup>"X"lk|gtum ej"jqt<sup>a</sup>ej"|"lk-v p"x"pcf o<sup>0</sup>"x -eg"mqng o"922"o<sup>0</sup>

Ocn<sup>a</sup>"Uvtcpc"RT"]35\_<40XK04227."4" \*UY +0

*Hilara lurida* \*Hcm<sup>2</sup>p."3:38+

Ftwj"|p<sup>a</sup>o "|egn<sup>2</sup>"Gxtqr {"qf"Umcfpkp<sup>a</sup>xkg"lkflp "cf"rq"Uv gfg|gop"|"oq g"c"Dcnm<sup>a</sup>p."x ejqfp " fq"uv gfp"|" auvk"gxtqrum<sup>2</sup>jq"Twumc<sup>0</sup>"Pc"lkjw"x um {"v"lkf"qf"X<sup>0</sup>."xg"uv gfp"|"Gxtqr "jncxp "x"XK<sup>0</sup>" c"XKK<sup>0</sup>"X"p"flkp<sup>a</sup>ej"rqo tp "jqlp "x"jqtum ej"qdnucvgej"x {"uwvrlw"lgp"fq"922"o"p<sup>0</sup>o<sup>0</sup>"\*Ejx<sup>a</sup>nc" 4227+0"X" T"lgp"x"p"flkp<sup>a</sup>ej"|"c"uv gfp"|"ej"rqnj<sup>a</sup>ej<sup>0</sup>

Jqtp"Rgtvqkveg":d\_<30XK04227."3" \*UY +0"Rncx{"]3:\_<450XK04228."3" \*UY +0

*Hilara nigratarsis* \ gwgvtugfv."3:5:

Ftwj"ugxgtp"|"Gxtqr {"c"jqt<sup>a</sup>uv gfp"|"Gxtqr {"x {um {"vwl"fe"|"ug"x" T"lgp"x lkog p "x"rqnj<sup>a</sup>ej" qmqnq"822"o"p<sup>0</sup>o<sup>0</sup>"\*uv gfp"|"Rqxnvcx"|"lkpcm"lgp"x"Mtmmppq-|fej"|"c"pc"™wcox "\*Ejx<sup>a</sup>nc"3:;9d+0" Xgn ok"p<sup>a</sup>rcfp "c"o"fu {"jqlp "ftwj"qf"mqpeg"X<sup>0</sup>"fq"XKK<sup>0</sup>."uc oek"x {"vx<sup>a</sup> gl"tqlg"pcf"jqtum ok" rqvqm {"\*Ejx<sup>a</sup>nc"4227+0"X"lk|gtum ej"jqt<sup>a</sup>ej"d {"n"udft<sup>a</sup>p"lkf"r gf"|"cj<sup>a</sup>lgp"o"|"mncfpljq"x |mwow" \*Tc-gnkp-v "Lk|gtm{"PRT."737.:":62"o."460XK03:;:."4" =|Lk|gtmc."737.:":d gj"|"m {"Lk|gtm{"

rqf"Dwmqxe go."9:2" o."480XK03;;;"3" = "x-g"UY."L0"Rtgkngt"niv0+."cng"Àfclg"pgd{n{"fquwf" rwdnkmqx<sup>a</sup>p{0

Dfn "Rqvqm ]3d\_<370/380XK04229."3" \*N+0"

*Hilara nitidorella* Ejx<sup>a</sup>nc."3;;9

Tq|-f| gp"x"lkfip<sup>l</sup>"<sup>a</sup>uvk"Umcpfkip<sup>a</sup>xkg<sup>c</sup>"uv gfp<sup>l</sup>"Gxtqr ."lkfip "rq"cnrumqw"qdnucv0"X"p<sup>l</sup>flkp<sup>a</sup>ej"k"x" jqt<sup>a</sup>ej" o<sup>l</sup>uv{"xgnok"jqlp "ftwj."x" Cnr<sup>a</sup>ej"cf"fq"3"522" o"p0 o0"x"tql<sup>l</sup>ej"pcf"xqf<sup>l</sup>ok"vqm{" \*Ejx<sup>a</sup>nc"4227+0"Qrtqvk<sup>p</sup>"<sup>a</sup>ungfwl<sup>e</sup>"o w<sup>l</sup>ftwjw<sup>v</sup>{rkem{"ngvp<sup>l</sup>."x um{"v"qf"XK0"fq"XKKK0"X" T"jqlp " x"jqtum ej"qdnucvej" \*Ejx<sup>a</sup>nc"3;;9;c+0

Dfn "Rqvqm ]3c\_<40XK04227."3" \*UY+]"3d\_<4;0XKK0/3;0XKKK04227."3" \*OV+0"lgfnqx "f nRT"];<80/4;0XKK04227." 3" \*OV+0"mq gpqx" ]33\_<3;0XK04228."3" \*UY+0"nwfxmqx"rqf"Uo tmgo" ]34\_<420XK04228."3" \*UY+0"Rncx" [18]<450XK04228."3" \*UY+0"tc-gnlpk-v "Lk|gtm{"PRT"} ]43\_<450XK04227."9" \*UY+0"X<sup>a</sup>encx<sup>l</sup>mqxc<sup>l</sup>Uwfw<sup>a</sup>pmc" [26]<90XK04226."3" \*UY+0

*Hilara nitidula* \gvgtuv<sup>l</sup>fv."3:5:

<sup>l</sup>tkteqeg"tq|-f| gp "gxtqrum "ftwj" |p<sup>a</sup>o " |egn<sup>2</sup>"ugxgtp<sup>l</sup>"Gxtqr {"pc"lkjw"cf"rq"lkfip<sup>l</sup>"Htcpekk" c"Tw o wpumq<sup>l</sup>"V{rkem "p<sup>l</sup>flkpp " cup "lctp<sup>l</sup>"ftwj."x" T"x"p<sup>l</sup>flkp<sup>a</sup>ej"qf"mqpeg"KX0" c"x"X0"xgnok" jqlp "x"tql<sup>l</sup>ej"pcf"xqf<sup>l</sup>ok"vqm{" \*Ejx<sup>a</sup>nc"4227+."x" Cnr<sup>a</sup>ej"rqf<sup>2</sup>n" gm"d flp "fq"922" o"p0 o0." xg"x{|-f|ej"jqtum ej"rqnj<sup>a</sup>ej" \*x" Cnr<sup>a</sup>ej"fq"3"522" o+"x"XK0"X um{"x"l"l|gtum ej"jqt<sup>a</sup>ej" pc"Uo tmw"lg" |cv<sup>l</sup>o"pglx -g"rqnqflgp "p<sup>a</sup>ng|"x" T0

Ht fncp<sup>l</sup>]6\_<340X04228."3" \*UY+0"l"l|gtmc" ]32\_<3;0XK04227."3" \*UY+0"Uo tm" ]45c\_<430XK0/350XKK04228."3" \* [RV+0

*Hilara pseudosartrix* Uvtqdn."3:4

Gxtqrum "ftwj" o<sup>l</sup>ftp<sup>2</sup>jq<sup>r</sup>a<sup>o</sup>c."x|<sup>a</sup>ep "x"ugxgtp<sup>l</sup>"Gxtqr \*Pqtumq+."xg<sup>uv</sup> gfp<sup>l</sup>"Gxtqr "rq<sup>l</sup>mx / ectumq."Tcmqwumq<sup>c</sup>"Oc ctumq0" P<sup>l</sup>flkpp "ftwj"u"x um{vg o"x"X0" c"XK0."cng"xg<sup>uv</sup> gfp<sup>l</sup>"Gxtqr " ur<sup>l</sup>-g"xg"x{|-f|ej"rqnj<sup>a</sup>ej" \*Ejx<sup>a</sup>nc"4227+."pcr 0"x"P<sup>l</sup>|m ej"Vcvt<sup>a</sup>ej"x{uwvrlwg"cf"fq"3"422" o" p0 o0"X-wfg" <sup>l</sup>feg<sup>u</sup>g"x{um{vwl<sup>l</sup>e<sup>l</sup>"ftwj0

Ht fncp<sup>l</sup>]6\_<340X04228."3" .440X04228."3" \*UY+0" Tglfkeg" ]44\_<470X04227."3" \*UY+0"Uo tm" ]45f\_<330X0/40 XK04228."3" \* [RV+0

*Hilara quadrifasciata* Ejx<sup>a</sup>nc."4224

Tq|-f| gp"x"ugxgtp<sup>l</sup>"c"uv gfp<sup>l</sup>"Gxtqr ."pc"lkj"lgp"fq"cnrum<sup>2</sup>"qdnucv0"lctp<sup>l</sup>"c" cup "ngvp<sup>l</sup>"ftwj" \*Ejx<sup>a</sup>nc"4227+."x-wfg"jqlp "x"p<sup>l</sup>flkp<sup>a</sup>ej"k"pc"jqt<sup>a</sup>ej" \*x" Cnr<sup>a</sup>ej"fq"pcf o0"x -m{"3"422" o+0" X" T"jqlp "x"p<sup>l</sup>flkp<sup>a</sup>ej"k"pc"jqt<sup>a</sup>ej." |g<sup>l</sup>mw ocx{"lgl"wx<sup>a</sup>f l<sup>l</sup>"Dctv<sup>a</sup>m" ( "Tqj<sup>a</sup> gm" \*3;; ;+lg-v " rqf"uvct-f|o"u{pqp} ogo "*Hilara quadrivittata* Ogki gp."3:440"Xg"lmqw ocp<sup>2</sup> o"À|go<sup>l</sup>"mwrqfkxw" lgp"lgf<sup>l</sup>gp"lgf<sup>l</sup>kpge"pc"Ht fncpvumw0

Jqtp<sup>l</sup>"Rgtvqnkqg":d\_<30XK04227."3" \*UY+0"

*Hilara splendida* Uvtcmc."3;98

Uv gfgqxtqrum "ftwj"rqrucp " |qmqn<sup>l</sup>"Rtcj {.cng"x{x{vwl<sup>l</sup>e<sup>l</sup>"ug"k"xg"x{|-f|ej"rqnj<sup>a</sup>ej."pcr 0" x" Cnr<sup>a</sup>ej"d flp "mqng o"xqf"fq"pcf o0"x -m{"922" o."x lkog p "cf"fq"3"322" o0"Ngvp<sup>l</sup>"ftwj" u"x um{vg o"qf"mqpeg"X0"fq"XKKK0"Rqftqdp<sup>2</sup>"Àfclg"q"dkqnqikk" c"x um{vw"xg<sup>uv</sup> gfp<sup>l</sup>"Gxtqr "xk| " Ejx<sup>a</sup>nc" \*3;; ;+0

Ohpmqxkqg" ]37\_<440XK04228."3" \*UY+0"

*Hilara sturmii* Ogkigp."3:44

Tq|-f gp"x"egn<sup>2</sup>Gxtqr "qf"Dtkvum ej"quvtqx "c"lkfipf"Umcpfkp<sup>a</sup>xkg"cfll"rq"Uv gfgoq f"\*pcr 0"  
Mqtukmc+0)Pfflkpp "lctpf"ftwj"x{um{vwlfe"ug"x v-kpqw"rqf<sup>2</sup>n"xgnm ej" gm."x um{v"qf"X0"fq"XK0."  
pc"lkjw"klf"x"KKK0

Ogcpft{Uo f<sup>2</sup>RT"}J36e\_<360X0/360XK04229."3" \*OV+0

*Empis \*Anacrostichus+ bistortae* Ogkigp."3:44

Xgnok"jqlp "ftwj"x nw p "pc"jqtum ej"dkvqrgej"uv gfpf"Gxtqr{."pc"lkj"rq"htepeqw|um<sup>2</sup>Cnr{"  
c"Mcrcvum "qdnqwm."|<sup>a</sup>rcfp "fq"jqtdkgtum<sup>2</sup>jq"rqnqqvvtqxc"\*Ejx<sup>a</sup>nc"3;;6+0"X" T"d flp "  
pc"jqtum ej"nqwm<sup>a</sup>ej"Mtmapq-c"<sup>TM</sup>wocx{"qf"XK0"fq"XKKK0

Lk|gtmc"}J32\_<3:0XK04227."3" .3;0/440XK04228."3" \*UY+0Tc-gnlpk-v "Lk|gtm{"PRT"}J43\_<450XK04227."5" \*UY+0"  
Uo tm"}J45e\_<430XK0/350XK04228."39" .350XK0/50XK04228."3" \*OV+="}J45d\_<430XK0/350XK04228."3" \*OV+="  
J45f\_<40/420XK04228."3" \*OV+0"X<sup>a</sup>enxfmqc"Uvwf<sup>a</sup>pmc"}J48\_<3:0XK04227."3" \*UY+0

*Empis \*Anacrostichus+ nitida* Ogkigp."3:26

Mqpvkppv<sup>a</sup>npf"gtxtqrum "ftwj"|p<sup>a</sup>o "qf"ugxgtpf"cuu gfpf"Gxtqr{"rq"ugxgtpf"Htcpekk"cv<sup>a</sup>nkk."  
x"pfflkp<sup>a</sup>ej"uv gfpf"Gxtqr{"x"X0"XK0."x"cnrum ej"qdnucvgej"lgp"fq"pcf o0"x -m{"922"o0"Fcqr nek"  
xgnok" cuvq"pc"mxgqwefej"qxqep ej"uvtqogej"\*Ejx<sup>a</sup>nc"3;;6+0"

Lk|gtmc"}J32\_<4:0X04226."3" .3" \*UY+0

*Empis \*Coptophlebia+ albinervis* Ogkigp."3:44

Gxtqrum "pfflkpp "ftwj"-ktqeg"tq|-f gp "qf"Dtkvum ej"quvtqx "c"lkfipf"Umcpfkp<sup>a</sup>xkg"cfll"rq"Uv g/  
fqoq f."x um{v"rq"fnqw}2"qdfqd"qf"XK0"fq"XKKK0"\*Ejx<sup>a</sup>nc"3;;6+0"X" T"lgp"x"pfflkp<sup>a</sup>ej."  
pc"jqta<sup>a</sup>ej"ej"d{0

gtpqwu{/X"Rqn"}J5\_<440XK0/70XK04227."3" \*OV+0

*Empis \*Coptophlebia+ hyalipennis* Hcnn<sup>2</sup>p."3:38

Tq|-f gp"x"egn<sup>2</sup>ugxgtpf"cuu gfpf"Gxtqr ."pc"lkjw"lgp"fq"rqfjqtum ej"cu"jqtum ej"qdnucv"  
TMrep numc"Twowpumc0"Xg"uv gfpf"Gxtqr "x um{v"x"XK0"XK0"\*Ejx<sup>a</sup>nc"3;;6+."x" T"jncxp "  
x"rqfjqtum ej"qdnucvgej0

Ocn<sup>a</sup>"Uvtcpc"RT"}J35\_<40XK04227."3" \*UY+0

*Empis \*Coptophlebia+ leptomorion* Dg|k."3:2;

Uv gfgxtqrum "ftwj"rqrucp "|kvcnm ej"ctcmqwum ej"Cnr"cu|"twowpum ej"Mcrcv0"X um{v"  
rqw|g"xg"x{-fej"rqnj<sup>a</sup>ej"qf"XK0"fq"XKKK0."x-wfg"lgp"qlgfkp ng0"

Ocn<sup>a</sup>"Uvtcpc"RT"}J35\_<40XK04227."3" \*UY+0

*Empis \*Coptophlebia+ vitripennis* Ogkigp."3:44

Rq|fp "ngvpf"ftwj"tq|-f gp "qf"Dtkvum ej"quvtqx "c"lkjw"Umcpfkp<sup>a</sup>xkg"rgu"uv gfpf"Gxtqrw"cfll"  
fq"ugxgtpf"Htcpekg"ct<sup>TM</sup>rep numc0"X"o0ftp<sup>2</sup>o"r<sup>a</sup>uow"Gxtqr{"x um{v"jncxp "x"XK0"XK0"X" T"  
rq"egn<sup>2</sup>o"Algof"x"pfflkp<sup>a</sup>ej"cuu gfpf"ej"rqnj<sup>a</sup>ej."cng"pgjqlp 0"

W"M{ugnm{"}J47\_<350XK0/50XK04228."3" \*OV+0

*Empis \*u0"uvt0+"aestiva* Nqgy."3:89

Xgnok"jqlp "ngvpf"ftwj"tq|-f gp "qf"Dtkvum ej"quvtqx "c"rqd gflf"Dcnvw"fq"uv gfpf"Gxtqr{."  
jqlp "lcm"x"pfflkp<sup>a</sup>ej."vcm"X"x"jqtum ej"qdnucvgej0"X um{v"jncxp "x"XK0"XK0"\*Ejx<sup>a</sup>nc"3;;6+0"



X" T"x-wfg"x"n<sup>2</sup>v "pc"nw p"fej"dkvqrgej"x"p"flkp"aj"k"x"jqt"aj"ej".pcr 0"pc"™w o cx "Dctv"am"  
( "Tqj" a gm"3; ; ; +0  
gtpqwu{/X"Rqnk"}5\_<440XK0/70XKK04227."4" .3" \*OV+0"Jqtp"Rgtvqvieg]:c\_<30/470XKK04229."3" \*OV+0"Tglfieg"  
[22]<70/4:0XKK04227."3" \*GV+0"™rk "am"}46\_<350XK0/70XKK04228."3" .70XKK0/;0XKK04228."4" \* [RV+0

*Empis* \*u0"uvt0+"bicuspidata Eqnkp."3:49

Ur[-g"lctp" c" cup "ngvp" ftwj" tq|-f" gp "rq"egn<sup>2</sup>"ugxgtp" Gxtqr "x gvp "Ncrqumc."lkflp "lgp"  
fq"uv gfp" Gxtqr{\*Ejx"anc"3; ; 6+0"X" T"xgn ok"jqlp "x"p"flkp"aj".jnexp "pc"lc"q"gf"rqnqxp{"  
X0"fq"XK0." cuv<sup>2</sup>" o cn<sup>2</sup>"tqlg"rqf"uvtq o {0"  
\\nev"Qng-plieg"}49\_<50XK04226."3" \*UY+0

*Empis* \*u0"uvt0+"bohemia Ejx"anc" ( "U{tqx"vmc."3; ; ;

Uv gfgxqtqrum "p"flkpp "ftwj"u"x um{vg o"qf"rqnqxp{"KX0"fq"XK0." jnexp "cng"x"X0"X" T"  
rqo tp "cuv "x"p"flkp"aj".xg"x{-fej"rqnqj"aj"|lk-v p"lgp"x"rqfjqtum ej"qdncuvej"Mtw-p ej"  
jqt" c"Qtnkem ej"jqt"Ejx"anc" ( "U{tqx"vmc"3; ; ; +."x"Cnr"aj"ej {d{0"  
Nwfxmqx"rqf"U o tmg o"}34\_<420XK04228."3" \*UY+0

*Empis* \*u0"uvt0+"chiotera Oghi gp."3:26

Tq|-f" gp"x"ugxgtp" c"uv gfp" Gxtqr .xg"Umcplfp"axk"x{uqmq"pc"ugxgt."cng"x" o"tp<sup>2</sup>" o r"au o w"  
Gxtqr{"lgp"fq"cnrum<sup>2</sup>"qdncuvk"\*Ejx"anc"3; ; 6+0" cup "lctp" ftwj."lgfgp"|rtxp"fej"ftwj " gngfk"  
x {um{vwlf"e"ug"pc"lc g."qf"KX0" c"x"X0."xg"x{-fej"rqnqj"aj" k"x"XK0"X" T"x"p"flkp"aj" k"x"jqt"aj"  
\*™w o cxc."Mtmqpq-g+.x"Cnr"aj" cfl"fq"pcf o 0"x -m{"3"722" o 0"  
Lgfngx "f n"RT"];<3;0/520X04227."3" \* [RV+0"Lk|gtmc"}32\_<4;0X04226."3" .3:0XK04227."3" \*UY+0

*Empis* \*u0"uvt0+"genualis Uvtqdn."3: ;5

X"Gxtqr "-ktqeg"tq|-f" gp "ftwj"qf" Jqncpfumc"r gu"uv gfp" Gxtqrw" cfl"rq"Uv gfg o q "c" |cuc/  
jwlf"e" cfl"fq" \cmcxmc|umc"\*Ejx"anc"3; ; 6+0"V{rkem "p"flkpp "ftwj."x"lkflp" Gxtqr "ur[-g"uvgrp"."  
x um{v"rq"fnqw"j<sup>2</sup>"qdfqd"qf"mqpeg"X0"fq"KZ0"X" T"rqo tp "x"i"ep 0  
Lk|gtmc"}32\_<330K04227."3" \*UY+0

*Empis* \*u0"uvt0+"melanotricha Nqgy."3:95

Ur[-g"uv gfgxqtqrum "ftwj" tq|-f" gp "qf" Jqncpfumc"r gu" o"tp<sup>2</sup>" r"au o q" Gxtqr{"fq"Utduc"  
c"Two wpumc."qfmw" d{n" k" rqr u"p"\*Ejx"anc"3; ; 6+0"V{rkem "lctp" ftwj"x{-fej"rqnqj."x um{v"  
qf"rqnqxp{"X0"fq"XK0"X" T"|p" a o"|"Mtmqpq-.x"Cnr"aj" cfl"fq"pcf o 0"x -m{"3"222" o 0  
gtpqwu{/X"Rqnk"}5\_<360X0/360XK04229."3" \*OV+0

*Empis* \*u0"uvt0+"nigricoma Nqgy."3:89

Jqtum "ftwj"uv gfp" c"lkflp" Gxtqr{"rqrucp "|tw o wpum ej"Mctrcv"\*U{tqx"vmc"3; ; 3+0"X"Cnr"aj"  
ug"x {um{vwlg"lgp"urqtcfkem{"lkflp " |cucjwlg" cfl"fq"jqt"Ejqtxcvumc" c"™rcp numc0" Pc"jqt"aj"  
qf"XK0"fq"XK0."x" T"rqo tp "jqlp "x" Mtmqpq-<sup>2</sup>ej 0  
U o tm"}45c\_<40/430XK04228."3" \*OV+0

*Empis* \*u0"uvt0+"nigripes Hcdtkekwa."39:6

™ktqeg"tq|-f" gp "ftwj" rtcmvkem{"x"egn<sup>2</sup>"Gxtqr "cfl"rq" |a rcfp"Ukdk ."dg|r qej {d{"pjljqlp l-f"  
|auwreg"rqftqfw"xg"uv gfp" Gxtqr 0"Xg"Uv gfg o q "o<sup>2</sup>p " cuv "Ejx"anc"3; ; 6+.x"Cnr"aj" "fm ."

lgp"x lkog p "x{xvwrwlg"pcf"3"222"o"p0o0"\*TMv tum2"Chr{+0"X" T"xgnok"jqlp "x"pflkp<sup>a</sup>ej"l"xg"  
x{--"ej"rqnj<sup>a</sup>ej"0"V{rkem "lctp"ftwj."x um{v"qf"mqpeg"KX0"fq"XK0"

Dfn "Rqvm]3e\_<40XK04227.7" \*UY+=]3d\_<50/380XK04227.4" \* [RV+0] gtpqwu{/X'Rqm]5\_<360X0/360XK04229."3" \*OV+0"Ht fncpv]6\_<440X04228.;" \*UY+0] Jqtp]Rgtvqvkeg]:c\_<360X0/360XK04229."3" \*OV+0]Lgfngq "f n"RT];\_<3;0/520X04227.4" \* [RV+0]Ogcpft{Uo f2"RT]36e\_<360X0/360XK04229.4" .360XK0/30XK04229.3" \*OV+0]Opf-gm]38\_<4;0X04227."34" \*UY+0]Tcurgpexc]42\_<330XK04228.4" \*UY+0]ncv"Qng-pkeg]49\_<50XK04226."5" \*UY+0

*Empis* \*u0"uvt0+"nuntia Ogkigp."3:5:

Xgnok"jqlp "ftwj"x"pflkp<sup>a</sup>ej"ugxgtp"cuvgf"p"Gxtqr{."x"jqt<sup>a</sup>ej"ej{d"0"X um{v}jncxp "x"X0" c"XK0"X" T"x"pflkp<sup>a</sup>ej"pc"lc"g"x-wfg"jqlp .|jqtum ej"rqjq "wx"af"p"lgp"lg"mwocx{"fq"pcf"o" x -m{" :22"o"\*Dctv"am" ("Tqj<sup>a</sup> gm"; ; ; +0

Lgfngq "f n"RT];\_<3;0/520X04227.4" \* [RV+0]ncv"Qng-pkeg]49\_<50XK04226."3" \*UY+0

*Empis* \*u0"uvt0+"prodromus Nqgy."3:89

D flp "ftwj"x"pflkp<sup>a</sup>ej"ugxgtp"cuvgf"p"Gxtqr{."pc"lkj"rq"cnrumqw"qdnucv"c"Oqnf<sup>a</sup>xkk0"V{rkem "lctp"ftwj"x{um{vwl"fe"ug"jncxp "x"X0" c"XK0"\*Ejx<sup>a</sup>nc"3; ; 6+0" Pc"jqt<sup>a</sup>ej"x" T"fquvk" cuv ."cng" pcr 0"x"Chr<sup>a</sup>ej"ej{d"0" Fqur nek" cuvq"pc"mx vgej"mcmquv "\*Geranium"urr0+"c"lkp ej"jqtum ej" tqvunkp0"X"Lk|gtum ej"jqt<sup>a</sup>ej"xgnok"jqlp "ftwj."pglrq gvp l-"|<sup>a</sup>uwvreg" gngfko

Dfn "Rqvm]3e\_<530X04226.4" \*UY+0]Dwmqxe"RT]4\_<90XK04226.5" .3:0XK04227.8" .3" \*UY+0]Ogcp/ft{Uo f2"RT]36d\_<60/3;0X04227.46" \*OV+0]Qnf lejqx"x"J"lfe]j39\_<490X04226."3" \*UY+0]Uo tm]45e\_<330X0/40XK04228."33" .3" .40/430XK04228."9" \* [RV+=40/430XK04228."4" .3" .430XK0/350XK04228."4" " \*OV+=]45d\_<330X0/40XK04228."9" \* [RV+=]45e\_<330X0/40XK04228."8" .40/430XK04228."32" \* [RV+=]45f\_<330X0/40XK04228."66" .40/420XK04228."37" \* [RV+=330X0/40XK04228."3:" .3" .40/420XK04228."39" .4" \*OV+0]Mri"m]46\_<420X0/520XK04228."3" .350XK0/70XK04228."4" .3" .70XK0/;0XK04228."3" \* [RV+0]X<sup>a</sup>enx"mqxc"Uvwf"pmc]48\_<3;0XK04228."3" \*UY+0

*Empis* \*u0"uvt0+"pseudoprodromus Eqmnp."3:8;

X nw p "uv fgqxtqrum "ftwj."x"pflkp<sup>a</sup>ej"o"fu{v}jqlp ."x" T"pcr 0"x"Rqncd".cng" cuv l-" xg"x{--"ej"rqnj<sup>a</sup>ej"l"x"jqt<sup>a</sup>ej."pcr 0"x"Chr<sup>a</sup>ej"pc"nw p"fej"dkvqrgej"pcf"3"322"o"p0o0"Urf-g" lctp"ftwj"u"x um{vg"o"x"X0" c"XK0."rq|f l-"x"l"ap "x um{v"o flg"r gfuvcxqxc"v"ftwjq"ngvp" i"gpgtcekl

Dfn "Rqvm]3d\_<50/380XK04227."3" \* [RV+=4;0XK0/3;0XK04227."44" \*OV+0]Dwmqxe"RT]4\_<430/440XK04228."5" \*UY+0] gtpqwu{/X'Rqm]5\_<60/3;0X04227.7" \*OV+0]Ht fncpv]6\_<440X04228."3" \*UY+0] Jqtp]Rgtvqvkeg]:c\_<360X0/360XK04229."8" \*OV+0]Lgfngq "f n"RT];\_<3;0/520X04227.;" \* [RV+0]Opf-gm]38\_<4;0X04227.4" " \*UY+0]Uo tm]45e\_<40/430XK04228."3" .430XK0/350XK04228."3" \*OV+=40/430XK04228."4" \* [RV+0]W"m{ugm{" [25]<330X0/40XK04228."6" .3" .40/420XK04228."5" \*OV+0

*Empis* \*u0"uvt0+"tanysphyra Nqgy."3:95

Ftwj"uv gfp"l"lfp"p"Gxtqr{."pc"lkjw"qf"TMrcp numc"rq" gemq0"Xg"uv gfp"p"Gxtqr "pgjqlp "pflkpp " lctp"ftwj"u"x um{vg"o"x"X0" c"XK0"\*Ejx<sup>a</sup>nc"3; ; 6+0"X" T"|p<sup>a</sup>o"lgp"|p mqnkmc"nqmcnkvo

Ht fncpv]6\_<340X04228."3" \*UY+0

*Empis* \*Euempis+"tessellata Hcdtkewu."39:6

Lfggp"|"pglx v-"ej"|"<sup>a</sup>uwvreg "tqfw"Empis."-ktqeg"tq|-"gp "x"egn<sup>2</sup>rcngctmvkem<sup>2</sup>qdnucv"cfi" rq"Lcrqpumq0"X-wfg"jqlp "x"pflkp<sup>a</sup>ej."v2"o "rq"egn<sup>2</sup>lctq"cn<sup>2</sup>vq."jncxp "cng"x"X0" c"XK0."o<sup>2</sup>p " cuv "xg"x{--"ej"rqnj<sup>a</sup>ej."|egnc"ej{d"0"pcr 0"x"Chr<sup>a</sup>ej0"X" T"fquvk"jqlp "pcr 0"pc"TMwocx 0"

Dfn "Rqvqm"]3d\_<4;0XKK0/3;0XKKK04227."4" \*OV+0" gtpqwu{/X'Rqnk"]5\_<360X0/360XK04229."4" \*OV+0" Jqtpf" Rgtvqvkqeg"]:c\_<360X0/360XK04229."3" \*OV+:"]:d\_<30XK04227."3" \*UY+0" Lk|gtmc"]32\_<3;0XK04227."3" \*UY+0" Ogcptf{"Uo f"RT"]36e\_<360X0/360XK04229."4" \*OV+0"WM{ugm{"]47\_<40/420XK04228."3" \*OV+0

*Empis \*Kritempis+ livida* Nkppcgwu."397:

Tq|~|gp "x'ugxgtpf"cu'v gfpf"Gxtqr ."pc"lkj"lgp"rq"cnrumqw"qdnucv0"Xgn ok"jqlp "ftwj"x"pflk/p<sup>a</sup>ej."o<sup>2</sup>p "cu'v "xg"x{~|ej"rqnj<sup>a</sup>ej."x"cnr<sup>a</sup>ej"lgp"qlgfkp ng"fq"pcf o0"x ~m{"922"o."x" T"x"rqfj "x~gej"jqt0"V{rkem{"ngvpf"ftwj."x um{v"qf"XK0"fq"XKKK0

Dfn "Rqvqm"]3d\_<70/4;0XKK04227."3" \*OV+0" Nwfxmqx"rqf"Uo tmg o"]34\_<420XK04228."5" \*UY+0" Ogcptf{"Uo f"RT ]36e\_<360X0/360XK04229."3" ."30/490XKK04229."3" \*OV+0" Okpmqkqeg"]37\_<440XK04228."5" \*UY+0

*Empis \*Platyptera+ borealis* Nkppcgwu."397:

X'ugxgtpf"Gxtqr "x gvp "Ncrqumc"xgn ok"jqlp "ftwj."x"o"ftp<sup>2</sup>o"r<sup>a</sup>uow"Gxtqr {"lgp"rq"cnrumqw"qdnucv0" cup "lctpf"ftwj."x" T"xgn ok"jqlp "qf"rq<sup>a</sup>vmw"KX0."pc"jqt<sup>a</sup>ej"chl"fq"XK0."pgl cu'v lk"pc"mxgvqwe"ej"xtd<sup>a</sup>ej0

Mq gpqx"]33\_<4;0X04226."4" \*UY+0" Tc~gnpk~v "Lk|gtm{"PRT"]43\_<50/3;0X04227."3" \*OV+0"Uo tm"]45f\_<330X0/40XK04228."3" \* [RV+0"WM{ugm{"]47\_<330X0/40XK04228."7" \*OV+0

*Empis \*Xanthempis+ aemula* Nqgy."3:95

T|ktqeg"tq|~|gp "ftwj"x'ugxgtpf"cu'v gfpf"Gxtqr ."pc"lkj"rq"cnr {"c"twowpwm<sup>2</sup>Mctrcv {"x~wfg"cnq"ur"~|g"x|<sup>a</sup>ep 0"X"Mctrcvgej"cx"cnr<sup>a</sup>ej"qlgfkp ng"chl"fq"pcf o0"x ~m{"3"722"o."x um{v"qf"X0"fq"XKK0

Mq gpqx"]33\_<3;0XK04228."3" \*UY+0

*Empis \*Xanthempis+ aequalis* Nqgy."3:89"

O<sup>a</sup>nq|p<sup>a</sup>o "uv gfgxqtqrum "ftwj."x" T"lgp"qlgfkp ng"x"pflkpa<sup>a</sup>ej"k"xg"x{~|ej"rqnj<sup>a</sup>ej."pcr 0"pc"mwocx "Dctv<sup>a</sup>m" ("Tqj<sup>a</sup> gm"3; ;+."jnexp "x"XK0"cx"XKK0

Lgfnqx "f n"RT"];<80/4;0XKK04227."3" \*OV+0" Opf~gm"]38\_<4;0X04227."3" \*UY+0

*Empis \*Xanthempis+ stercorea* Nkppcgwu."3983

Jqlp "c"~ktqeg"tq|~|gp "ftwj"x'ugxgtpf"cu'v gfpf"Gxtqr ."x~wfg"jqlp ."x um{v"jnexp "x"X0"cx"XK0."pc"jqt<sup>a</sup>ej"fq"XKK0"X" T"d flp "x"pflkpa<sup>a</sup>ej"k"xg"x{~|ej"rqnj<sup>a</sup>ej."cng"pcr 0"x"cnr<sup>a</sup>ej"lgp"fq"pcf o0"x ~m{"22"o0

Dfn "Rqvqm"]3c\_<40XK04227."3" \*UY+0" Dwmqxe"RT"]4\_<440XK04227."3" \*UY+0" gtpqwu{/X'Rqnk"]5\_<360X0/360XK04229."3" \*OV+0" Ht fncpv"]6\_<440X04228."3" \*UY+0" Jqtpf"Rgtvqvkqeg"]:c\_<360X0/360XK04229."3" \*OV+:"]:d\_<30XK04227."4" ."3" \*UY+0" Nwfxmqx"rqf"Uo tmg o"]34\_<420XK04228."3" \*UY+0"Uo tm"]45f\_<40/420XK04228."3" ."350XKK0/50XKKK04228."3" \* [RV+0

*Empis \*Xanthempis+ trigramma* Ykgfgo cpp."3:44

Tq|~|gp"x'egn<sup>2</sup>Gxtqr ."cng"xg"Umcpfkpa<sup>a</sup>xk"lgp"pc"lkjw."xg"uv gfpf"Gxtqr "pgljqlp l~|"a<sup>u</sup>vwreg"rqftqfw0"X um{v"x"pflkpa<sup>a</sup>ej"qf"mqpeg"KX0"fq"XKK0" \*Ejx<sup>a</sup>nc"3; ;+."pc"jqt<sup>a</sup>ej"lgp"urqtcfkem {"x"cnr<sup>a</sup>ej"lgp"x|<sup>a</sup>ep "fq"pcf o0"x ~m{"922"o0

Ht fncpv"]6\_<440X04228."4" \*UY+0" Jqtpf"Rgtvqvkqeg"]:c\_<360X0/360XK04229."4" \*OV+0" Qnf kejqx"x"J<sup>a</sup>I"ej"]17];<490X04226."3" \*UY+0

*Empis \*Xanthempis+ univittata* Nqgy."3:89

Pgjqlp "ftwj"ugxgtpf"cu'v gfpf"Gxtqr {"pc"lkjw"rq"cnrumqw"cmctrcvumqw"qdnucv0"Ur"~|g"pflkpp "ftwj."x um{v"x"XK0"cx"XKK0" \*Ejx<sup>a</sup>nc"3; ;+0"X"cnr<sup>a</sup>ej"lgp"x|<sup>a</sup>ep "fq"pcf o0"x ~m{"22"o0

WM{ugm{"]47\_<40/420XK04228."3" \*OV+0

*Rhamphomyia* \**Aclonempis*+ *albohirta* Eqnmkp."3;48

Uv gfgxtqrum "ftwj" |p<sup>a</sup> o "k" | "Dtkvum ej" quvtqx 0" cup "lctpf" ftwj"x{--fej" rqnqj" c" jqt." d flp "pc" mxgqvwefej" xtd<sup>a</sup> ej" x" X0" c" XK0" X" T" |lk-v p"x" Mtmqpp-fej" pcr 0" pc" Ncdum<sup>2</sup>" dqwf " \*Dctv<sup>a</sup> m"3; :4+. "x" Cnr<sup>a</sup> ej" fq" pcf o" x -m{"3"222" o" X" Lk |gtum ej" jqt<sup>a</sup> ej" ej {egp" pc" xtejqnw" U o tmw" xg" x -eg"3"322" o" p0 o0

U o tm"145c\_<430XK0/350XKK04228."4" \* [ RV+0

*Rhamphomyia* \**Aclonempis*+ *eupterota* Nqgy."3:95

Nkvg<sup>a</sup> tp" fcl" Mctnqx" w" Oczqxc" \*Dctv<sup>a</sup> m"3; :4+0

Uv gfgxtqrum "ftwj" cuv l-" x" jqtum ej" qndncuvgej. "x um{v" ur" f-" g" pc" lc g" x" X0" c" XK0" Dctv<sup>a</sup> m" \*3; :4+ "lg" |wx<sup>a</sup> f" |g" unqxpum ej" jqt" \*Ocn<sup>a</sup> Hcvtc. "Vcv{ +0"

Dwmqxe" Rg"14\_<440XK04227."4" .4" \*U Y +0" J qtp" gtp" Uvwfpleg"18\_<450XK04228."3" \*U Y +0" Rncx{"3; \_<450XK04228."3" \*U Y +0" W" M {ugnm{"147\_<40/420XK04228."3" \*OV+0

*Rhamphomyia* \**Aclonempis*+ *galactoptera* Uvtqdn."3; :5

Tq| -f gp" x" ugxtgp" c" uv gfp" Gxtqr . "rqo tp "jqlp "ftwj" x" p" flkp<sup>a</sup> ej" k" pc" jqt<sup>a</sup> ej" u" x um{vg o" qf" X0" fq" XKK0" X" T" d flp "pcr 0" pc" Mwocx "Dctv<sup>a</sup> m"3; :4+. "xg" -v tum ej" Cnr<sup>a</sup> ej" x" X0" fq" pcf o" x -m{" :22" o0

Opf-gm"138\_<4; 0X04227."3" \*U Y +0

*Rhamphomyia* \**Aclonempis*+ *longipes* \*Ogki gp."3:26+

Nkvg<sup>a</sup> tp" fcl" Oczqx" \*Dctv<sup>a</sup> m"3; :4+0

Ftwj " o" |tp<sup>2</sup> j" q" r<sup>a</sup> u o c" Gxtqr {." tq| -f gp" qf" Dtkvum ej" quvtqx "lgp" fq" uv gfp" Gxtqr {0" Xgn ok" jqlp "x" p" flkp<sup>a</sup> ej" qf" rqnqxp { "X0" fq" rqnqxp { "KZ0" k" xg" x {--fej" rqnqj" a ej 0"

D"n "Rqvm"13e\_<530X04226."3" .40XK04227.";" \*U Y += "13d\_<50/380XK04227."3" \* [ RV+0" gtpqwu{/X" Rqnk"15\_<440XK04227."3" \*U Y += "360X0/360XK04229."4" .360XK0/30XKK04229."3" \*OV+0" Ht fncpv"16\_<440X04228."5" \*U Y +0" J qtp" gtp" Uvwfpleg"18\_<450XK04228."4" \*U Y +0" J qtp" Rgtvqnkeg" :c\_<360X0/360XK04229."3" \*OV+0" Mq gpqx" [11]<3; 0XK04228."3" \*U Y +0" Nwfxmqx" r qf" U o tng o"134\_<420XK04228."4" \*U Y +0" Ogcpft { "U o f" RT"136e\_<360X0/360XK04229."4" .360XK0/30XKK04229."4" \*OV+0" Rncx{"13; \_<450XK04228."5" \*U Y +0"

*Rhamphomyia* \**Amydroneura*+ *claripennis* Qnfgpdgti."3;44

Uv gfgxtqrum "ftwj" |p<sup>a</sup> o "k" | "jqt." pcr 0" | "Xgnm<sup>2</sup>" Hcv{ "c" Vcvgt" \*Dctv<sup>a</sup> m"3; :4+0" X" p" flkp<sup>a</sup> ej" x-wfg. "cng" lgp" lgpqwnkx . "x um{v" rq" fnqw j<sup>2</sup> qdfqd" qf" X0" fq" KZ0

Ocn<sup>a</sup> Uvtcpc" RT"135\_<40XKK04227."3" \*U Y +0

*Rhamphomyia* \**Amydroneura*+ *crassicauda* Uvtqdn."3; :5

Nkvg<sup>a</sup> tp" fcl" Lepqx" pcf" Pkuqw" \*Dctv<sup>a</sup> m"3; :4+0

Rq| fp "ngvp" cfl" rqf |k op" uv gfgxtqrum "ftwj" rqrucp " |g" -v tum ej" Cnr 0" X" T" x" p" flkp<sup>a</sup> ej. " pcr 0" x" qmqr" Rtcj {." k" x" jqt<sup>a</sup> ej" \*Mwocxc. "Mtmqpp-g+. "x um{v" x" XKK0" c" KZ0" \*Dctv<sup>a</sup> m"3; :4+0

Lk |gtmc"132\_<4; 0XKK04227."3" \*U Y +0

*Rhamphomyia* \**Amydroneura*+ *erythrothalma* Ogki gp."3:52

Nkvg<sup>a</sup> tp" fclg< Lcpqx" pcf" Pkuqw. " Oczqx" \*Dctv<sup>a</sup> m"3; :4+0

Ftwj " o" |tp<sup>2</sup> j" q" r<sup>a</sup> u o c" uv gfp" Gxtqr {." |<sup>a</sup> rcfp "cfl" rq" Dtkvum<sup>2</sup>" quvtqx {." xg" uv gfp" Gxtqr " jqtum " ftwj 0" Dctv<sup>a</sup> m"3; :4+ "lg" |wx<sup>a</sup> f" |g" Mwocx {." Mtmqpp- "c" Lk |gtum ej" jqt 0" Rq| fp "ngvp" cfl" rqf |k op" ftwj. "x um{v" qf" XKK0" fq" Z0

Qnf kejqx" x" J " lfej"139\_<50KZ04228."4" \*U Y +0" Tglfkeg"144\_<380XKK0/30KZ04227."3" \* [ RV+0" U o tm"145c\_<450KZ04227."3" .3" \*U Y +0" W" rk " m"146\_<460KZ04228."3" \*U Y +0" W" M {ugnm{"145f\_<460XKK0/320ZK04228."3" \*OV+0

*Rhamphomyia* \**Amydroneura*+ *gibba* \*Hcmn<sup>2</sup>p."3:38+

Nkvtg<sup>a</sup>tp<sup>l</sup>Àfcl<Lcpqx"pcf"Pkquw."Oczqx"\*Dctv<sup>a</sup>m<sup>3</sup>;:4+0

Tq|~| gp"x"ugxgtp<sup>l</sup>"c"uv gfp<sup>l</sup>"Gxtqr "rqfqdp "lcmq"x v~kpc"ftwj "rqftqfw0"Rq|fp "ngvp<sup>l</sup>"ftwj."x um{v"x"XKKK0"KZ0"X" T"pgjqlp "x"p<sup>l</sup>flkp<sup>a</sup>ej<sup>k</sup>"xg"x{-|ej"rqnqj<sup>a</sup>ej."x"Cnr<sup>a</sup>ej"x|<sup>a</sup>ep "fq"pcf o0"x -m{"qmqq":22"o0

Dwmqxe"RT"<sup>l</sup>J4\_<4:0XKK0/530XKK04228."3" \*RV+0

*Rhamphomyia* \**Amydroneura*+ *hirsutipes* Eqnkp."3:48

Nkvtg<sup>a</sup>tp<sup>l</sup>Àfcl<Lcpqx"pcf"Pkquw."Oczqx"\*Dctv<sup>a</sup>m<sup>3</sup>;:4+0

Ftwj"rqrupc "|Dtkvum ej"quvtqx "c"|p<sup>a</sup>o "lg~v"|"F<sup>a</sup>pumc."P ogemc"c" T."qfmw<sup>l</sup>"lg<sup>l</sup>wx<sup>a</sup>f<sup>l</sup>"Dctv<sup>a</sup>m<sup>3</sup>;:4+|"lg<sup>l</sup>kp<sup>2</sup>"nqmcnkv{"x"lk|gtum ej"jqt<sup>a</sup>ej0"

W"M{ugm{"<sup>l</sup>J47\_<460XKKK0/320ZK04228."3" \*OV+0

*Rhamphomyia* \**Holoclera*+ "*texc*"\*Hcmn<sup>2</sup>p."3:38+

Nkvtg<sup>a</sup>tp<sup>l</sup>Àfcl<Lcpqx"pcf"Pkquw."Oczqx"\*Dctv<sup>a</sup>m<sup>3</sup>;:4+0

Tq|~| gp "q"lDtkvum ej"quvtqx "c"Umcpfkp<sup>a</sup>xkg"cf"rq"cnrumqw"c" gtpq o q umqw"qdnucv."pc"lkjw" Gxtqr{"ej{d0"X"p<sup>l</sup>flkp<sup>a</sup>ej<sup>k</sup>"pc"jqt<sup>a</sup>ej"o"flv{"d flp "ftwj."|" T"lg<sup>l</sup>wx<sup>a</sup>f<sup>l</sup>"Dctv<sup>a</sup>m<sup>3</sup>;:4+|g<sup>l</sup>w o c/x{"Mtmqpq~c"lk|gtum ej"jqt0"X um{v"rq"fnqw<sup>2</sup>"qdfqd<sup>l</sup>"qf"XK0"fq"KZ0."x"Cnr<sup>a</sup>ej"d flp "qf"XK0"fq"XKKK0"x"pcf o q um<sup>2</sup>x -eg"pcf"3"322"o0

Mq gpqx<sup>l</sup>J33\_<3:0XK04228."3" \*UY+0"lglfleg<sup>l</sup>J44\_<70/4:0XKK04227."3" \*GV+4:0XKK0/380XKKK04227."3" .380XKKK0/30KZ04227."3" \*|RV+0

*Rhamphomyia* \**Holoclera*+ *heterochroma* Dg| |k."3:;:;

Ftwj"rqrupc "|Vcvtg.xg"uv gfp<sup>l</sup>"Gxtqr "lgp"x"jqt<sup>a</sup>ej."lkflp "rq"tw o wpum<sup>2</sup>"Mctrcv{c"dwnjctum "Rktkp."x"Cnr<sup>a</sup>ej"lgp"x|<sup>a</sup>ep 0"X" T"jqqlp "x"lMtmqpq~|ej."cng"pcr 0"l"pc"Rcxnqxum ej"mqrefej"pc"Oqtcx \*Dctv<sup>a</sup>m<sup>3</sup>;:4+."x um{v"qf"XK0"fq"XKKK0

Dwmqxe"RT"<sup>l</sup>J4\_<440XK04227."3" \*UY+0"lglfleg<sup>l</sup>J44\_<50/380XK04227."4" \*OV+3:0XK04227."3" \*UY+0

*Rhamphomyia* \**Holoclera*+ *nigripennis* \*Hcdtkewu."39;6+

Ftwj"|p<sup>a</sup>o "rtcvmkem{"|"egn<sup>2</sup>"Gxtqr{"xg"uv gfp<sup>l</sup>"Gxtqr "pgljqlp l~|"<sup>a</sup>uvwreg"rqftqfw"jncxp "x"p<sup>l</sup>flkp<sup>a</sup>ej0"Xg"x{-|ej"rqnqj<sup>a</sup>ej"pc"jqt<sup>a</sup>ej"o<sup>2</sup>p " cuv ."x"Cnr<sup>a</sup>ej"cf"fq"pcf o0"x -m{"3"522"o0"X um{v"rq"fnqw<sup>2</sup>"qdfqd<sup>l</sup>"qf"X0"fq"rq<sup>a</sup>vmw"KZ0"

D<sup>l</sup>n "Rqvqm<sup>l</sup>J3c\_<530X04226."3" .40XK04227."8" \*UY+="J3d\_<4:0XKK0/3:0XKKK04227."5" \*OV+0"Dwmqxe"RT"<sup>l</sup>J4\_<90XK04226."3" .3" .3:0XK04227."9" .430XK04228."3" .3" \*UY+0" gtpqwu{/X"Rqm<sup>l</sup>J5\_<:0XK04228."7" .3" \*UY+0"lglfleg<sup>l</sup>J6\_<440X04228."8" .3" \*UY+0"Jqtp<sup>l</sup>Rgtvqvieg<sup>l</sup>:c\_<360X0/360XK04229."3" \*OV+="d\_<30XK04227."5" \*UY+0"lglfleg<sup>l</sup>J7\_<3:0/520X04227."4" \*|RV+0"lglfleg<sup>l</sup>J33\_<3:0XK04227."5" .3:0XK04228."7" \*UY+0"Ocn<sup>a</sup>"Uvtpcp"RT"<sup>l</sup>J35\_<40XKKK04227."3" \*UY+0"Ogc<sup>a</sup>pf<sup>l</sup>{U o f<sup>2</sup>"RT"<sup>l</sup>J36\_<360X0/360XK04229."7" \*OV+0"Olpmqxleg<sup>l</sup>J37\_<440XK04228."4" .3" \*UY+0"Qnf kej qx"x"J<sup>a</sup>lfe<sup>l</sup>J39\_<490X04226."3" \*UY+0"lglfleg<sup>l</sup>J42\_<330XK04228."3" .3" \*UY+0"lglfleg<sup>l</sup>J44\_<440X04227."5" \*UY+0"lglfleg<sup>l</sup>J47\_<40/420XK04228."3" \*OV+0"lglfleg<sup>l</sup>J49\_<50XK04226."3" \*UY+0

*Rhamphomyia* \**Holoclera*+ *variabilis* \*Hcmn<sup>2</sup>p."3:38+

Tq|~| gp"pc"Dtkvum ej"quvtqxgej."x"ugxgtp<sup>l</sup>"c"uv gfp<sup>l</sup>"Gxtqr .lkflp "rq"cnrumqw"qdnucv0"X" T" jncxp "x"p<sup>l</sup>flkp<sup>a</sup>ej."v{rkem{"ngvp<sup>l</sup>"cf"rq|fp "ngvp<sup>l</sup>"ftwj"u"x um{vg o"qf"XKK0"fq"KZ0"\*Dctv<sup>a</sup>m<sup>3</sup>;:4+."x lkog p "lkfl"rq<sup>a</sup>vmg o"n<sup>2</sup>vc0"X"Cnr<sup>a</sup>ej"x{xuvrwlg<sup>k</sup>"x{xuqm<sup>l</sup>"fq"jqt<sup>a</sup>"cf"fq"pcf o0"x -m{"3"322"o0

Dwmqxe"RT"<sup>l</sup>J4\_<3:0XK04227."3" \*UY+0

*Rhamphomyia \*Lundstroemiella+ hybotina* \ gwgtuvfv."3:5:

NkvgtpfÀfckMctnqx\*Dctv^m^3;:4+0

Tq|~f gp"x"ugxgtpf"cuuv gfpf"Gxtqr ."lkfip "rq"cnr{"c"twowpum^2"Mctrcv{0"X"nkvgtevw g" cuvq" |co qx^p"u"lkp ok"ftwj{"rqftqfw0"X" o{tp^2 o"r^a u o w"uv gfpf"Gxtqr{"lcm"x"p{flkp^a ej."vcm" k"x"jqt^a ej"rqo tp "jqlp "ftwj."x um{v"qf"XK0"fq"rq ^vmw"KZ0"Dctv^a m^\*3;:4."3;:7+"lgl"wx^a f" |"Mtmqppq~."Lk|gtum ej"jqt^c"Lgugpfm ."cng"ppp{"x|^a ep "cpl^k"x"p{flkp^a ej."pcr 0"x"qmqn"Rtcj {0" X"cnr^a ej"rqo tp "x|^a ep ."lgp"fq"pcf o 0"x -m{"qmqnq"3"222"o 0"

Jqtpf" gtp^"Uvwfplieg"j8\_<450XK04228."3" \*UY+0" Lgfngx "f n"RT";<80/4:0XK04227."3" \*OV+0" Tc-gnkp-k-v " Lk|gtm{PRT"j43\_<70/4:0XK04227."5" \* [RV+0" Tglfieg"j44\_<70/4:0XK04227."3" \*GV+0"U o tm"j45c\_<40/430XK04228." 3" . "350XK00/50XK00"4228."7" \* [RV+="350XK00/50XK004228."8" . "3" \*OV+="j45d\_<350XK00/50XK004228."4" " \* [RV+0

*Rhamphomyia \*Megacyttarus+ anomalipennis* Ogki gp."3:44

NkvgtpfÀfckLepqx"pcf"Pluqw\*Dctv^m^3;:4+0

Tq|~f gp"x"ugxgtpf"cuuv gfpf"Gxtqr ."pc"ugxgtw"cfllpc"rqnqquvtqx"Mqnc."x" o{tp^2 o"r^a u o w"Gxtqr {" jncxp "xg"x{--"ej"rqnqj^a ej"cx"x"jqt^a ej 0"X" T^\*Dctv^a m^4225+"lcm"x"p{flkp^a ej."vcm"k"pc"jqt^a ej" \*Tmw o cxc+."x um{v"qf"KX0"fq"XK0"

Tc-gnkp-k-v "Lk|gtm{PRT"j43\_<490X04228."3" \*UY+0

*Rhamphomyia \*Megacyttarus+ crassirostris* \*Hcnn^2p."3:38+

Tq|~f gp"x"egn^2"Gxtqr "u"x lk o mqw"pgllkflp l~"ej" ^a uvf."xg"uv gfpf"Gxtqr "x"p{flkp^a ej"x-wfg" xgn o k"jqlp "xg"xgnm ej"tqlf"ej"dg|"dkvqrqx^2"urgekLmcege0"Lctpf"ftwj"u"x um{vg o"qf"mqpeg"KX0" fq"XK0."uc o ek"xgn o k" cuvq"n^2vcl"v up "pc"fxqf"jncf"kpqw0"X" T"x-wfg"x"p{flkp^a ej."xg"x{--"ej" rqnqj^a ej" o^2 p " cuv ."x"cnr^a ej"cfll"fq"pcf o 0"x -m{"3"322"o 0

Dfn "Rqvqm"j3c\_<40XK04227."4" \*UY+0" gtpqwu{/X"Rqmk"j5\_<360X0/360XK04229."3" \*OV+0"Ht fncpv"j6\_<340X04227." 43" \*UY+0" Jqtpf" gtp^"Uvwfplieg"j8\_<450XK04228."3" \*UY+0" Jqtpf"Rgtvqnvieg":c\_<360X0/360XK04229."3" " \*OV+0"Mq gppqx"j33\_<3:0XK04228."4" \*UY+0" Ogcpft{"Uo f^2"RT"j36e\_<360X0/360XK04229."3" \*OV+0" Tglfieg" [22]<470X0"4227."5" \*UY+0"U o tm"j45f\_<330X0/40XK04228."3" \* [RV+0"W"m{ugm{ [25]<330X0/40XK04227."6" . " 40/420XK04228."5" \*OV+="330X0/40XK04227."4" \* [RV+0

*Rhamphomyia \*Megacyttarus+ nodipes* \*Hcnn^2p."3:38+

Tq|~f gp"x"ugxgtpf"cuuv gfpf"Gxtqr ."cng"x-wfg"lgp"qlgfkp ng0"X" T"x"p{flkp^a ej"k"x"jqt^a ej." Dctv^a m^\*3;:4+"lgl"wx^a f"|"Mtmqppq~0"O^a nq"lp^a o "ftwj."x um{v"qf"XK0"fq"XKKK0

Rucx{"j3:\_<450XK04228."3" \*UY+0

*Rhamphomyia \*Megacyttarus+ poissoni* \*Vtgj gp."3:88+

Ftwj"o{tp^2 jq"r^a u o c"|p^a o "x"leg"rqf"u{ppp{ o g o "Rhamphomyia tephraea Ogki gp."3::40" Tq|/ ~f gp"qf"lkfip"Umcpfkp^a xkg^e j {"d"pc"Dtkvum ej"quvtqxgej+"rq"cnrumqw"qdnucv"Htcepkc"kv^a nkg0"Lctpf" ftwj."x um{v"x"X0"cx"XK0."xg"uv gfpf"Gxtqr "jncxp "x"p{flkp^a ej"rqf^2n"o cn ej"qxqf"p{ej"vqm 0

Jqtpf"Rgtvqnvieg":c\_<360X0/360XK04229."3" \*OV+0" Ogcpft{"Uo f^2"RT"j36e\_<360X0/360XK04229."3" \*OV+0" Tcurgpexc"j42\_<330XK04228."3" \*UY+0

*Rhamphomyia \*Pararhamphomyia+ aethiops* \ gwgtuvfv."3:5:"

U<XW

Ftwj" rqrucp " |"Ncrqumc." |p^a o " |g"ugxgtpf"cuuv gfpf"Gxtqr {0" Xg"uv gfpf"Gxtqr "urf~g" x"p{flkp^a ej."x um{v"x"X0"cx"XK0

Rucx{"j3:\_<450XK04228."3" \*UY+0

*Rhamphomyia* \**Pararhamphomyia*+ *atra* Ogki gp."3:44

Xgnok"jqlp "lctpf"ftwj".upcf"pjljqlp l-"|<sup>a</sup>uwvreg"rqftqfw"Xg"uv gfp"Gxtqr "c"x" T."|p<sup>a</sup>o "  
|g"uv gfp"Gxtqr{"lklp "rqHtcpekk"c"Tw o wpumq0"X" T"x-wfg"x"pflkp<sup>a</sup>ej."xg"x{--"ej"rqnj<sup>a</sup>ej"  
x|<sup>a</sup>ep ."ej{d"pcr"0"Àfclg"|"x{--"ej"rqnj"Mtqqp-"pgdq"Cr0

Tcurgpexc"J42\_<330XK04228."4" \*U Y +0

*Rhamphomyia* \**Pararhamphomyia*+ *curvula* Htg{."3;35

Ugxgtqgxtqrum "ftwj"|p<sup>a</sup>o "k"|g"uv gfp"Gxtqr{"x-wfg"cnlgp"lgfpqvnkx "c"ur"-g"x"pflkp<sup>a</sup>ej0"  
X um{v"qf"X0"fq"XKK0"\g"TMw o cx{"lgl"wx<sup>a</sup>f l"Q"Detv<sup>a</sup>m" ("Tqj<sup>a</sup> gm"\*3; ; ; +0

Dfn "Rqvqm"J3c\_<40XK04227."3" \*U Y +0" Tc-gnkp-v "Lk|gtm{"PRT"J43\_<90XK04226." : " \*U Y +=50/380XK04227."  
3" \*OV+0

*Rhamphomyia* \**Pararhamphomyia*+ *marginata* \*Hcdtkewu."39:9+

Tq|-|gp"x"ugxgtp"|"c"uv gfp"Gxtqr ."lklp "rqHtcpekk"c"Tw o wpumq0" Ftwj"p<sup>a</sup>rcfp "jncxp "  
tq|-|gp ok"m fln{"uc o keg0"X" T"jncxp "x"pflkp<sup>a</sup>ej."x um{v"qf"mqpeg"KX0"fq"mqpeg"X0"\*Dct/  
v<sup>a</sup>m"3; ; 4+0"\g"TMw o cx{"lgl"wx<sup>a</sup>f l"Q"Detv<sup>a</sup>m" ("Tqj<sup>a</sup> gm"\*3; ; ; +."x"Cr<sup>a</sup>ej"lgp"x|<sup>a</sup>ep "fq"pcf o0"  
x -m{" :22"o0

Ht fncpv"J6\_<340X04228."4" \*U Y +0

*Rhamphomyia* \**Pararhamphomyia*+ *obscuripennis* Ogki gp."3:52

Nkvtg<sup>a</sup>tp"Àfcl<Lepqx"pcf"Pkuvw"\*Detv<sup>a</sup>m"3; ; 4+0

O<sup>a</sup>nq"|p<sup>a</sup>o "ftwj"ugxgtp"|"c"uv gfp"Gxtqr{"gzkuwl"lgp"urqtcfkem2"Àfclg"q"lgjq"x um{vw"  
qf"X0"fq"XKK0"X" T"pgjqlp "x"pflkp<sup>a</sup>ej"\*Detv<sup>a</sup>m"3; ; 4+."x"Cr<sup>a</sup>ej"|p<sup>a</sup>o"lgp"|g"uv gfp"ej"rqnj<sup>a</sup>  
fq"922"o"p0o0

Dfn "Rqvqm"J3e\_<40XK04227."3" \*U Y +."fgv0"O0"Detv<sup>a</sup>m0

*Rhamphomyia* \**Pararhamphomyia*+ *pilifer* Ogki gp."3:5:2

Nkvtg<sup>a</sup>tp"Àfcl<Lepqx"pcf"Pkuvw"\*Detv<sup>a</sup>m"3; ; 4+0

Ftwj"|p<sup>a</sup>o "fnqwjw"fqdw"ur"-g"rqf"u{pqp{ o g"Rhamphomyia dentipes \gvgtugfv."3:640"  
Tq|-|gp"x"ugxgtp"|"c"uv gfp"Gxtqr ."lklp "rq"crumqw"c"mctrvcumqw"qdicuv0"X" T"jqlp "  
x"pflkp<sup>a</sup>ej."|k-v p"x"Mtqqp-|ej"\*Jctcejqx<sup>+</sup>u"x um{vg o"qf"X0"fq"XKK0"\*Detv<sup>a</sup>m"3; ; 4"ó"lcmq"  
R. dentipes+."rq|f lk"pc"TMw o cx" \*Detv<sup>a</sup>m" ("Tqj<sup>a</sup> gm"3; ; ; +0"X"Cr<sup>a</sup>ej"fqvk" cuv "ftwj"cf"  
fq"pcf o0"x -m{"3"522"o" \*TMv tum2"Vcwt{+0

gtpqwu{/X"Rqnk"J5\_<530X0/440XK04227."3" \*OV+0"Ht fncpv"J6\_<340X04228."3" \*U Y +0

*Rhamphomyia* \**Pararhamphomyia*+ *tibiella* \gvgtugfv."3:64

Tq|-|gp"x"ugxgtp"|"c"uv gfp"Gxtqr ."x" T"jqlp "ftwj"wx<sup>a</sup>f p "Detv<sup>a</sup>mg o"\*3; ; 4+|" cf{"  
pflkpp ej"nqmcnk"x"X0" c"XK0"Xg"x{--"ej"rqnj<sup>a</sup>ej" flm ."x"Cr<sup>a</sup>ej"lgp"qlgfkp n<sup>2</sup>"p<sup>a</sup>ng|{"  
fq"922"o"p0o0

Dfn "Rqvqm"J3c\_<530X04226."3" \*U Y +0"Dwmqxe"RT"J4\_<90XK04226."4" \*U Y +0" gtpqwu{/X"Rqnk"J5\_< ; 0XK04228."  
4" \*U Y +0" Jqtpf"Rgtqvkieg":d\_<30XK04227."3" \*U Y +0" Mq gpqx"J33\_<3; 0XK04228."9" \*U Y +0

*Rhamphomyia* \**Pararhamphomyia*+ *unguiculata* Htg{."3;35"

U<XW

Ftwj"rqrucp "|Ncrqpumc."xg"uv gfp"Gxtqr "flm"Xg"x{--"ej"rqnj<sup>a</sup>ej."jqlp "pcr 0"pc"TMw o cx "  
qf"XK0"fq"XKK0"\*Detv<sup>a</sup>m" ("Tqj<sup>a</sup> gm"3; ; ; +0"\Mtqqp-|cpk"Cr"pgluqw"fl<sup>a</sup>fp<sup>2</sup>"Àfclg0

Rqvwgem<sup>a</sup>"qdtc"J3;\_<440XK04228."3" \*U Y +0" Tc-gnkp-v "Lk|gtm{"PRT"J43\_<3; 0XK04227."3" .  
"450XK04227."3" \*U Y +0

*Rhamphomyia* \*u0|uvt0+|nitidula \ gvwgtuvfv."3: 64

Tq|-f gp'x'ugxgtp|c'uv gfp|Gxtqr .x" T'x'pflkp'ej'k"x'jqt'ej'\*Dctv'am'3; :4=-Dctv'am' ( "Tqj'a/ gm'3; ; ; +0'V{ rkm{ "lctp|ftwj"u"x um{vg o" jncxp "x'X0'c'XK0."x' Cnr'ej' lkl'qf' mqpeg'kX0."cng" x v-kpqw'lgp"x'pkfl'-fej' rqnqj'ej'fq'922" o"p0 o0

Tc-gnkp-v "Lk|gtm{"PRT"}43\_<490X04228."4" \*UY+0'U o tm']45c\_<40/430XK04228."4" \*OV+. "3" \* [ RV+0

*Rhamphomyia* \*u0|uvt0+|plumipes \*Ogki gp."3: 26+

Ftwj" |p'a o " | Dtkvum ej" quvtqx . "ugxgtp|c"uv gfp|Gxtqr {." cuv l-f" xg"x {--fej' rqnqj'ej' c"pc"jqt'ej'. "x um {v"x'X0'c'XK0'\*Dctv'am'3; :4+0'X'cnrum'2"qdcnkvk'lgp'lgfpqvnkx 0

gtpqwu{/X'Rqmk'}5\_<3; /0530X04227."3" \*OV+0'Lk|gtm{"32\_<430XK04228."3" \*UY+0'Mq gpqx'}33\_<3; /0XK04228."3" \*UY+0

*Rhamphomyia* \*u0|uvt0+|spinipes \*Hcm'2p."3: 38+

Tq|-f gp'x'ugxgtp|c'uv gfp|Gxtqr .lklp "rq'Htcpekk'c'Dwnjctumq0'Rqf|k o p|ftwj."x" T'jqlp " x'p'flkp'ej'qf'mqpeg'XKKK0'fq'r q' avmw'ZK0."cng'Dctv'am'\*3; :4+wx'a f|k' cfw'p'ang| " |Mtmqpq-. 'Mw o cx {."Dgum {f" c'Lgugp| m 0'Xg"x {--fej' rqnqj'ej'x' Cnr'ej'ej' {d|

Lk|gtm{"32\_<3; /0Z0/4; /0ZK04228."3" \*RV+0'U o tm']45c\_<450KZ04227."3" \*UY+0

*Rhamphomyia* \*u0|uvt0+|stigmosa Oceswctv."3: 49

Ftwj'tq|-f gp "x'egn'2'Gxtqr "u"x lkomqw'Uv gfq o q |."xg'uv gfp|Gxtqr "jqlp 0'X" T"x-wfg" x'p'flkp'ej'." |x {--fej' rqnqj'lg'l'wx'a f|'Dctv'am'\*3; :4+|g'Mw o cx {."Pqxjctcfum ej'jqt'c'Mtw-/ p ej'jqt'u"x um {vg o'qf'X0'fq'XKK0'X"Lk|gtum ej'jqt'ej'fq'pcf o 0'x -m { ; 22" o."x' Cnr'ej' r gu'3'222" o."cng'lgp' f|feg0

Dfn "Rqvqm"}3c\_<530X04226."3" \*UY+0'Dwmqxe'RT"}4\_<90XK04226.";" .430XK04227."35" .430XK04228."9" " \*UY+0'Lk|gtm{"32\_<3; /0XK04227."4" .3; /0440XK04228."3" \*UY+0'Mq gpqx'}33\_<3; /0XK04228."6" \*UY+0'Opf-gm" [16]<4; /0X04227."4" \*UY+0'Tc-gnkp-v "Lk|gtm{"PRT"}43\_<50/380XK04227."3" \*OV+=90XK04226."7" .450XK04227."6" \*UY+0'W'M{ugm {"}47\_<40/420XK04228."3" \*OV+0'X'a encx'mqxc'Uvwf'p'mc"}48\_<3; /0XK04228."7" \*UY+0

*Rhamphomyia* \*u0|uvt0+|sulcata \*Ogki gp."3: 26+

X'Gxtqr "-ktqeg'tq|-f gp "c"jqlp "ftwj"|cucjwlf'e|'cfl'pc"x ejqf'p|Ukd 0'X" T"x-wfg"x'p'flkp'ej' lgf'gp| "pgljqlp l-f'ej'ftwj "tqfw."jncxp "pc'lc g."u"x um {vg o'qf'X0'fq'XKK0'Dctv'am'\*3; :4+ lg'l'wx'a f| " |Mtmqpq-c" Lgugp| m 0

Dfn "Rqvqm"}3d\_<4; /0XKK0/3; /0XKK04227."3" .3" \*OV+0'Ht fncpv"}j6\_<340X04228."5" .440X04228."3" \*UY+0' Tgl'fkeg"}44\_<380XK0/70XK04227."3" \* [ RV+0'W'M{ugm {"}47\_<330X0/40XK04228."4" \*OV+0

*Rhamphomyia* \*u0|uvt0+|sulcatella Eqnnkp."3: 48

O'2p " cuv "pgfl" r gfej'q|f|ftwj." |p'a o " jncxp "x'p'flkp'ej'uv gfp|Gxtqr {."x' Cnr'ej'lgp' fq'pcf o 0'x -m { "qmqnq": 22" o 0'X" T'v { rkm "lctp|p'flkpp "ftwj"u"x um {vg o'lgp'xg'KX0'c'X0' \*Dctv'am'3; :4+0

W'M{ugm {"}47\_<330X0/40XK04228."3" \*OV+0

*Rhamphomyia* \*u0|uvt0+|sulcatina Eqnnkp."3: 48

Nkvt'atp|'Afcl' Lcpqx'pcf' Pkuqw'\*Dctv'am'3; :4+0

Lctp|ftwj" r'qf'qdp'2'j'q|tq|-f gp|c"x um {vw' lcmq' r gfg-n ."cng|p'a o "lg'k" |g'ugxgtp|Gxtqr {" c'x' o'ftp'2' o'r'a u o w'uv gfp|Gxtqr {"x {uwwrwl'g'k'f'q'x {--fej' rqnqj'."pc'Unqxgpmw'p'cr 0'x'Vcvt'ej'0



X" T"lgl"wx<sup>a</sup>f" Dctv<sup>a</sup>m\*3;:4+|"Lk|gtum ej"jq<sup>0</sup>"X um{v"qf"mqpeg"KX0."xg"x{-"ej"rq<sup>0</sup>qj<sup>a</sup>ej"  
cfl"fq"XKK0

Lgfnqx "f "RT"];<"80/4:0XKK04227."3" \*OV+0

### J g o g t q f t q o k k p e g

*Chelifera pectinicauda* Eqnkp."3;49"

E \ #

Ftwj"|p<sup>a</sup>o "fqrquwf"lgp|"Dtkvum ej"quvtqx ."Rqnumc" Htcpeg."pgrqej {dp "-ktqeg"tq|-<sup>0</sup>gp "  
x"o"tp<sup>2</sup>o"r<sup>a</sup>uow"Gxtqr {"cng"Àfclg"ej {d<sup>0</sup>"Rtxp"fq<sup>0</sup>qflgp "Àfcl|" gum<sup>2</sup>"tgrwdnkm {0

Tglfleg"J44\_<4:0XKK0/380XKK04227."3" \* [RV+0

*Chelifera precabunda* Eqnkp."3;83

<sup>TM</sup>ktqeg"tq|-<sup>0</sup>gp "ftwj"qf"Dtkvum ej"quvtqx "r gu"uv gfp" c"lkflp"Gxtqrw"cf"fq" \cmcxmc|umc0"  
X" T"lgl"lkuvknk"Dctv<sup>a</sup>m" ("Tqj<sup>a</sup> gm\*3; ; ; + "qf"XKK0" fq"Z0"pc"<sup>TM</sup>wocx "c" E j x<sup>a</sup>nc" ("Dctv<sup>a</sup>m"  
\*4222+"x"ugxgtq|<sup>a</sup>rcfp"ej" gej<sup>a</sup>ej"u"x um{vg o"lkfl"qf"KX0"

Ocn<sup>a</sup>"Uvtcpe"RT"J35\_<40XKK04227."3" \*UY+0

*Chelifera precatória* \*Hcm<sup>2</sup>p."3:37+

Ftwj"|p<sup>a</sup>o "xegn<sup>2</sup>"Gxtqr ."qf"ugxgtw"\*pcr 0"Hcgtum<sup>2</sup>"quvtqx {+"cfl"fq"Uv gfqoq "pcr 0"Mt<sup>2</sup>/  
vc+0"Xg"uv gfp"Gxtqr "jq<sup>0</sup>lp "ftwj."x" T"wxgfgp|cv"o"lgp"|g"ugxgtq|<sup>a</sup>rcfp"ej" gej"\*E j x<sup>a</sup>nc"  
("Dctv<sup>a</sup>m"4222+"u"x um{vg o"rq"fnqw j<sup>2</sup>"qdfqd"qf"X0"fq"Z0

Dwmqxe"RT"J4\_<430XKK04228."3" \*UY+0" gtpqwu{/X"Rqk"J5\_<0XK04228."3" \*UY+0" Ht fncp"J16\_<440X04228."  
3" \*UY+0" Jqtp" gtp"Uwfpk"J8\_<450XK04228."3" \*UY+0" Ocn<sup>a</sup>"Uvtcpe"RT"J35\_<40XKK04227."5" \*UY+0"  
Olpmqk"J37\_<440XK04228."3" \*UY+0

*Hemerodromia raptoria* Ogki gp."3:52

<sup>TM</sup>ktqeg"tq|-<sup>0</sup>gp "ftwj"qf"Dtkvum ej"quvtqx "c"ugxgtp"Gxtqr {"r gu"uv gfp"Gxtqrw"cf"rq"<sup>TM</sup>rc/  
p numq0"R gup l-<sup>0</sup>Àfclg|" T"pgd{n|"|cv"o"rwdnkmqx<sup>a</sup>p {0

gtpqwu{/X"Rqk"J5\_<360X0/360XK04229."3" \*OV+0

*Hemerodromia unilineata* \gvgvtuv gfv."3:64

Ftwj"tq|-<sup>0</sup>gp "xg"uv gfp" c"lkflp"Gxtqr ."x|<sup>a</sup>ep "pc"lkjw"<sup>TM</sup>x<sup>2</sup>fumc0"X" T"rqo tp "d flp ."cng"  
r gup l-<sup>0</sup>Àfclg"ej {d<sup>0</sup>

gtpqwu{/X"Rqk"J5\_<360X0/360XK04229."3" \*OV+0"Rqwvgem<sup>a</sup>"qdtc"J3;\_<440XK04228."3" \*UY+0

*Phyllodromia melanocephala* \*Hcdtkek wu."39;6+

Ftwj"rqrucp "|F<sup>a</sup>pumc."cng"tq|-<sup>0</sup>gp "c"jq<sup>0</sup>lp "rqegn<sup>2</sup>"Gxtqr "u"x lk o mqw"pgllkflp l-<sup>0</sup>ej"qdnv"  
Uv gfqoq "Dctv<sup>a</sup>m" ("Tqj<sup>a</sup> gm\*3; ; ; + "gl"lkuvknk"pc"<sup>TM</sup>wocx "u"x um{vg o"qf"XK0" fq"KZ0"lcmq"  
xgnok"jq<sup>0</sup>lp "ftwj"pc" cf "nqmcnk0

Dwmqxe"RT"J4\_<4:0XKK04227."3" \*UY+0" gtpqwu{/X"Rqk"J5\_<440XK04227."4" .3" \*UY+0" Ocn<sup>a</sup>"Uvtcpe"RT"  
J13\_<40XKK04227."4" .3" \*UY+0"Rqwvgem<sup>a</sup>"qdtc"J3;\_<440XK04228."4" .3" \*UY+0" Wm {ugm {J47\_<350XKK0/50  
XKK04228."3" \*OV+0

### Enk p q e g t k p e g

*Dolichocephala guttata* \*Jcnkfc {"3:55+

D flp "ftwj"uv gfp" c"lkflp"Gxtqr {0" \ " T"lgl"wx<sup>a</sup>f l" E j x<sup>a</sup>nc" ("Dctv<sup>a</sup>m"\*4222+"|g"ugxgtq|<sup>a</sup>rcf/  
p"ej" gej"u"x um{vg o"rq"fnqw j<sup>2</sup>"qdfqd"qf"XK0"fq"KZ0

Dfn "Rqvqm"]3c\_<40XK04227."3" \*U Y +0" gtpqwu{/X"Rqmk"]5\_<360XK0/30XKK04229."3" .60/450KZ04227."3" \*OV+0"  
Tglfkeg"]44\_<470X04227."4" \*U Y +.4:0XKK0/380XKK04227."3" \*GV+0"

*Dolichocephala irrorata* \*Hcm2p."3:37+

Ftwj"tq|-fl gp "x"egn2"Gxtqr "cfl"rq"x ejqfpfl" a"uvk"rcngctmvkem2"qdcncvk."xgnok"jqlp "w"xqf"  
u"x um{vg o"qf"X0"fq"Z0"Ejxanc" ("Dctv am"4222+0"Pc"mw o cx "xgnok"jqlp "pc"o pqjc"dkvqrgej"  
\*Dctv am" ("Tqj a gm"3; ; ; +0

WM{ugm{"]47\_<40/420XK04228."3" \*OV+0"X a encxfmqxc"Uvwf a pmc"]48\_<3;0XK04228."3" \*U Y +0

*Dolichocephala oblongoguttata* Fcng."3:9:

Rqo tp "jqlp "ftwj"|p a o "x"leg"rqf"u{ppp{ o go o "*Dolichocephala engeli* Pkqkqngq y umk."3; ; 40"  
Tq|-fl gp "pc"Dtkvum ej"quvtqxgej"cxg"uv gfpfl"Gxtqr .lkflp "rq"cnrumqw"qdcncv0"\ " T"lgl"wx a f lfl"  
pcr 0"Ejxanc" ("Dctv am"\*4222+"|g"ugxgtq| a rcfpfl"ej" gej"u"x um{vg o"qf"X0"fq"KZ0

Ht fncpv"]16\_<440X04228."3" \*U Y +0" Jqtpfl" gtp a "Uvwf pkeg"]8\_<450XK04228."5" \*U Y +0"Racx{"]3\_<450XK04228."  
4" \*U Y +0

## Vtkejqrg|kpcg

*Heleodromia immaculata* Jcnkfc{."3:55

Rqo tp "jqlp "ftwj"-ktqeg"tq|-fl gp "x"ugxgtpl"cu"uv gfpfl"Gxtqr 0"\ " gej"lgl"wx a f lfl"Dctv am"  
("Tqj a gm"\*3; ; ; +)|g"mw o cx{"u"x um{vg o"qf"XK0"fq"XKKK0."pc"Ht fncpvumw"|lk-v p"lkl"x"X0

Dfn "Rqvqm"]3c\_<40XK04227."3" \*U Y +0" gtpqwu{/X"Rqmk"]5\_<360XK0/30XKK04229."3" \*OV+0"Ht fncpv"]16\_<340X04228."  
3" \*U Y +0"Racx{"]3\_<450XK04228."3" \*U Y +0"

*Trichopeza longicornis* \*Ogki gp."3:44+

Ftwj"tq|-fl gp "x"ugxgtpl"cu"uv gfpfl"Gxtqr .lkflp "rq"cnrumqw"qdcncv."mfg"lg"jqlp l-fl"xg"x{-fl"ej"  
rqngj a ej 0"\ " T"pgd{n{"|cvl o"r gup l-fl"Àfclg"rwdnkmgx a p{"cng"xcg"uv gfpfl"ej"rqngj a ej"rcv fl"  
m'd flp o "ftwj o 0"\ "Dcxqtum2jq"nguc"|pcf o 0"x -m{"mqng o":22"o"u"x um{vg o"qf"XKK0"fq"KZ0"  
lg l"wx a fl"Dctv am"\*3; ; ; +."X"cnr a ej"qmngq"9226:22"o"p0 o 0" cuv "ftwj 0

Dwmqxcge"RT"]4\_<330KZ04227."3" \*U Y +0" Jqtpfl" gtp a "Uvwf pkeg"]8\_<450XK04228."4" \*U Y +0" Tcrgpcxc"]42\_<  
330XK04228."3" \*U Y +0" Tc-gnkpk-v "Lk|gtm{"PRT"]43\_<0XKK04225."3" \*U Y +0" Tm rk a m"]46\_<420XKK04227."3" ."  
4:0XKK04227."3" \*U Y +0"

*Dryodromia testacea* Tqpfepk."3:78

Ftwj"tq|-fl gp "pc"Dtkvum ej"quvtqxgej"cx"rqf2n"rqd gflfl"Ugxgtpl"jq"cu"Dcnvum2jq"o q g"Dgnikg."  
F a pumq+"fq"uv gfpfl"Gxtqr {0"X" T"x"pflkpa ej"cu"uv gfpfl"ej"rqngj a ej"pc"mx vgej."cng"rwdnkmg/  
xcp ej"Àfcl "lg"|cvl o"o a nq 0"Ejxanc" ("Dctv am"\*4222+"|gl"pcr 0"wx a f lfl"|g"ugxgtq| a rcfpfl"ej"  
gej"u"x um{vg o"qf"X0"fq"XK0."x"Dcxqtum2 o "ngug"lg l"|lkuvkn"Dctv am"\*3; ; ; +0

Dfn "Rqvqm"]3e\_<40XK04227."3" \*U Y +0

## \jqfpqegpfl"x ungf m

X"Lk|gtum ej"jqta ej"cu"pc"Ht fncpvumw"d{nq"d jgo"x |mw o w"x"ngvgej"4225"cf l"4229"|lk-/  
v pq"egnmgo"; ; "ftwj " gngfk"Go r kfkfcg."eqfl"lg"v2 o "v gvkpc"ftwj " gngfk"|p a o ej"fqrqwf"  
pc"À|go fl" T0"X v-kpw"ftwj " r gfuvcxw lfl"| a uvrek"rqf gngfk"Go r kfkpcg"cu"x-gej p{"5"tqf {"  
v2vq"rqf gngfk"luqw"|cuvqwrpg{"v2 o "tqxpqo tp <"tqf" *Hilara* 47"ftwj {"tqf" *Empis* 48"ftwj {"

c"tqf"Rhamphomyia 55"ftwj{0"Xgnm "rq gv" |lk-v p ej"ftwj "lg" f<sup>a</sup>p"lgk"ej"fq o kpcpvpf"o"tq|/ -f" gpf"o" xg"x{—f"ej"rqnj"e"j" c"pc"jqt"e"j"0"X nw p "jqtum"hcwpc" |lk-v p<sup>a</sup>"x"lk|gtum ej"jqt"e"j" lg" |cuvqwr"gp"lgf"kp o" ftwj" g"o" r"qf gngfk"Qtgq"igvqpkpcg" Iteaphila nitidula c" fgx"vk" ftwj{ " r"qf gngfk"Go r"kf"pcg" Hilara allogastra. H. femorella. H. intermedia. H. nigratarsis. Empis bistortae. E. nigricoma. Rhamphomyia erythrophthalma. R. heterochroma c" R. hybotina" Pke o<sup>2</sup>p "pglr"q gvp lk" |cuvqwr"gp "ftwj. Empis prodromus. ug"3: 2"uc o ek" c"ugf o k"uc o keg o k. " lg"tq| -f" gp " r g x<sup>a</sup>flp " x"p"flk"p"e"j"0" Lgfkp "ftwj" |lk-v p "rqr"tx<sup>2</sup>"pc"À|g o f" T"lg" Chelifera pectinicauda" |"r"qf gngfk" J g o g"tqf"tq o k kpcg. "eqf"lg" cng" f<sup>a</sup>p"q"ur"l-g" o c"nq"w" |pc"nq"v" c" o gp -f" o" |<sup>a</sup>l o g o" q"uvfwk"o" v<sup>2</sup>v"q" r"qf gngfk" x" T" c"uv gfp" Gxtqr " x dge"0" V k" ftwj{ " \*Ragas unica. " Rhamphomyia aethiops c" R. unguiculata+ "luqw" |c c|gp f" x" gtxgp<sup>2</sup> o" ug|pc o w" qj"tqflgp ej" ftwj " T" \*Ej x<sup>a</sup>nc" ( "Dctv"m"4227+x"mcv"ig"iqt"kk" |tc"p"kv"gp " \*XW+0

NKVGTVCWTC

- DCTV fM"O"0"3; : 4<"Vjg"E|gej"qunqxc"m"ur"gekgu"qh" Tj c o r j q o {kc" \*Fkrvgtc. "Go r kfkfcg+. "ykvj" f"guetkrvkq"qh" c"pgy" ur"gekgu"htq o" Egpwtc" Gwtqr"gl" Acta Univ. Carol., Biol. "3; : 2<"5: 3/6830
- DCTV fM"O"0"3; : 7<"C"tgxkukq"qh"v"jg" Tj c o r j q o {kc"uwdi"gpwu" Nwp"fuvtqg o k gmc" \*Fkrvgtc. "Go r kfkfcg+. "ykvj" f"guetkrvkq" qh" c"pgy" ur"gekgu" Acta Univ. Carol., Biol. "3; : 4< ; /680
- DCTV fM"O"0"3; : : <"Fkrvgtc"qh"v"jg" Dcxctkcp"htq"uv"0" Silva Gabreta. "Xk o rgtm. "4<"45; /47: 0
- DCTV fM"O"0"4225<"Tgxkukq"qh" Rencgetevke" ur"gekgu"qh" Tj c o r j q o {kc" \*Ogice" |wctwu" cti"gpvc" i"tqwr" \*Fkrvgtc<" Go r kfkfcg<" Acta Univ. Carol., Biol. "69<"3; 9/4670
- DCTV fM"O"0" ("TQJ f GM"l"0"3; ; : <"Vjg" ur"gekgu"qh"v"jg" hc o kn { "Go r kfkfcg" \*Fkrvgtc+ "qh"v"jg" ukz" r"gc"v/dq i u" kp" vjg" <sup>mw</sup>o cxc" Ovu" \*E|gej" Tgrwdnke+0" Acta Univ. Carol., Biol. "65<"9/480
- EJX fNC"O"0"3; : 6<"The Empidoidea (Diptera) of Fennoscandia and Denmark. III. Genus Empis. Fauna Ent. Scandl. " Xqn"0"4; 0" G"l"0" Dtkm. "Ngkfgp. "Pg y" |qtm. "M<sup>3</sup>np. "3: 9" r r 0
- EJX fNC"O"0"3; : 9c<"Cf fkvkqpu"cpf" eqtt"gevkqpu"vq"v"jg" hcwplukve" fvc" qh"v"jg" hc o kn { "Go r kfkfcg" \*Fkrvgtc+0" Fkrvgtc" Dqjg o qunqxcce. "Xqn"0: 0" Folia Fac. Sci. Nat. Univ. Masaryk. Brun., Biol., "7<"65/680
- EJX fNC"O"0"3; : 9d<"Gngxgp" Pg y" U {pqp" o kgu"kp" Gwtqr"gp" U"r"gekgu"qh" J knc"t" \*Fkrvgtc<" Go r kfkfcg+0" Acta Univ. Carol., Biol. "63<"4; 5/5440
- EJX fNC"O"0"3; : : <"C"tgxkukq"qh"v"jg" Gwtqr"gp" ur"gekgu"qh"v"jg" J knc"t" hcxkr"gu/ i"tqwr" \*Fkrvgtc. "Go r kfkfcg+. "ykvj" pg y" u {pqp" o kgu"cpf" f"guetkrvkq"qh" c"pgy" ur"gekgu"0" Studia Dipterologica. "6"3; ; 9<"685/6940
- EJX fNC"O"0"3; : : <"Tg" f"guetkrvkq. "dknq"i { "cpf" Fkvtkd"wkq"qh" J knc"t" ur"ngp"fkfc Uvtmc" \*Fkrvgtc<" Go r kfkfcg+. "cpf" p"qvu"qp" j"nqrvku o" kp"v"jg" i"gpwu"0" Acta Univ. Carol., Biol. "65<"433/4420
- EJX fNC"O"0"4223<"Tgxkukq"qh"v"jg" Rencgetevke" ur"gekgu"qh"v"jg" J knc"t" cdf" g o kpenku/ i"tqwr" \*Fkrvgtc<" Go r kfkfcg+0" Acta Univ. Carol., Biol. "67<"3; ; /4520
- EJX fNC"O"0"4224<"Vjg" J knc"t" ur"gekgu" f"guetkdg" f" d { "N"0" Qnf"gp dgti. "ykvj" f"guetkrvkq"qh" c"pgy" ur"gekgu"htq o" Ncrncpf" \*Fkrvgtc<" Go r kfkfcg+0" Entomol. Fennica. "35<"87/9: 0
- EJX fNC"O"0"4227<"The Empidoidea (Diptera) of Fennoscandia and Denmark. IV. Genus Hilara. Fauna Ent. Scandl. " Xqn"0"62"0" Dtkm. "Ngkfgp. "Dquvq. "455" r r 0
- EJX fNC"O"0"4228<"Go r kfkfcg" Ncvtkmng. "3: 26"0"kp<"LGFNK MC" N0. "UVNQWMCNQX f" Xl" ( "M—FGNC" O"0" \*gfu+<" uml" fkrvgtc"cpf" EF/TQO" \*KUDP": 2/; 8/; 84; /2/8+0
- EJX fNC"O"0" ("DCTV fM"O"0"4222<"Go r kfkfcg"0"kp<"DCTV fM"O"0" ("XC J CTC"l"0" \*gfu+<" Fkrvgtc"kp"cp"kp"fwuwt/ c"nn { "Chgewgf" Tg i"kp" \*Pqtvj/ Yguvtp" Dqjg o k. "D"n"kp"cpf" Fwejeq" Gpxtqpu+ "k"0" Folia Fac. Sci. Nat. Univ. Masaryk. Brun., Biol. "326<"397/3: 30
- EJX fNC"O"0" ("DCTV fM"O"0"4227<"Go r kfkfcg" \*mtqwf"kmq"qxv"†. "r"0"4: : /4: : 0"kp<"HCTMC "l"0. "MT f n" F"0" ( "MQTR" M" O"0" \*gfu+<" gtxgp" ug|pc o" qj" tqflgp ej" ftwj " gum<sup>2</sup>" tgrwdnkm {0" Dg| qdt" c"m"0" Tg f" nku" qh" vj" tgcvgpgf" ur"gekgu" kp" the Czech Republic. Invertebrates" C i"gpw"tc" qe"j"tcp { " r ftqf { " c"mtcl"kp { " T. Rtcjc. "982" r r" \*kp" E|gej" cpf" Gp i"nkuj +0
- EJX fNC"O"0" ( "U | TQX f VMC" Q"0"3; : : <"C"pg y" ur"gekgu"qh" Go r ku" u"0"uv"0" \*Fkrvgtc. "Go r kfkfcg+ "htq o" E|gej" qunqxc"mkc"0" Acta Univ. Carol., Biol. "53<"56; /5760
- RTWPGT" N"0" ( "O"MC" R"0"3; : 8<"Ug|pc o" qde" f" c"lgk"ej" "av" f" x" gum<sup>2</sup>" tgrwdnke" g"u" fun { " o crqx ej" rqn" r"tq" u" qx<sup>2</sup> o crqx" p" hcwp {0" \*Nku" qh" ugvng o gpvu" kp" vjg" E|gej" Tgrwdnke" ykvj" cuuqekcvgf" o cr" Lgnf" eqf" gu" hqt" hcwplukve" i"tkf" o cr r kpi" u {ug o +0" Klapalekiana. "54" \*Uw r n"0" <"3/337" \*kp" E|gej. "Gp i"nkuj" uw o o +0

U [ TQX f VMC"Q"3 ; ; 3<"Tgxkukp"qh"J"Ńqg y Ĩu"cpf"V"ŃgemgtĪu"V{ rgu"qh"Go rku u"lvt"U"rgekū\*Fkrvgtc."Go r k f k f c g +"  
 kp"vjg"Dgtnk"cpf"Uv"Rgvtudwti"Owugw o u"ŃMitt. Zool. Mus. Berlin."89<447/49:0  
 XQP K MCR"422:<Gpvq o qnq ikem "x |mw o Lk|gtum ej"jqt"c"Ht fncpvumc"xhvggej"4222/4229"ŃGpvq o qnq ikecr"uwtxg{"  
 qh"vjg"Lk|gtum"jqt{"Ovu"cpf"Ht fncpv"tg ikqp"kp"4222/4229"ŃUdqtp"Ugxtg g u"ŃOw/Ń.R ŃŃX ff."Nkdtge."48<  
 5/34"Ńkp"E|gej."Gp inkuj"uw o o 0+0  
 XQP K MC"RŃ ("XK"Ń f M" T"Ń 422:"Ń"Ń mncf"Ń"ejctcmvgtkukmc" |mqw o cp2"j q"Ń Ā|g o Ń"Ń Lk|gtum ej"jqt"c"Ht fncpvumc"Ń  
 \*I gpgtcr"ejctcevgtkukcu"qh"vjg"uwf{"ctgc"kp"vjg"Lk|gtum"jqt{"Ovu"cpf"Ht fncpv"tg ikqp"ŃUdqtp"Ugxtg g u"Ń  
 O w/Ń."R ŃŃX ff."Nkdtge."48<35/55"Ńkp"E|gej."Gp inkuj"uw o o 0+0

UWO OCT [

Cnvq i gvjgt" ; ; "urgekū"qh"vjg"hc o kn{"Go r k f k f c g \*Fkrvgtc+."vjg"fcpeg"Īkgu."ygtg"hqw pf"  
 fwtkpi"vjg"uwtxg{"kp"vjg"Lk|gtum"jqt{"Ovu"cpf"Ht fncpv"tg ikqp"kp"pqtvjgtp"Dqjg o kc"dgvyggp"  
 4225"cp"4229"Vjku"pw o dgt" o cmgu"wr"cn o quv"qpg"vjktf"qh"vjg"urgekū"qh"vjg"hc o kn{"hqw pf"  
 wr"vq"pqy"kp"vjg"E|gej"ŃgrwdnkeŃ  
 Oquv"qh"vjg"tgeqtfgf"urgekū"dgncpi"vq"vjg"uwdhc o kn{"Go r k f k p c g ."ykvj"Ń"uk o knct"pw o dgt"  
 kp"vjg"vjtg" o ckp" i gpgtc."Hilara \*47"ur r 0+."Empis" \*48"ur r 0+ cpf"Rhamphomyia \*55"ur r 0+Ń  
 Nq i kecnŃ{" o quv"qh"vjg o "tgrtgugpv"urgekū"rtghgttkpi"jki j"Ńcnkvw fgu."qt"ctg"engctn{" o qwpvckp"  
 urgekū"Ń o qpi"vjg"jki j" o qwpvckp"urgekū."hqw pf"qpn{"Ńv"jki j"Ńcnkvw fgu."vjg"hqnnq y kpi"urgekū"  
 ygtg"tgeqtfgf"kp"vjg"Lk|gtum"jqt{"Ovu"ŃIteaphila nitidula qh"vjg"uwdhc o kn{"Qtgq i gvqpkpcg."  
 cpf"vjg"hqnnq y kpi"pkpg"urgekū"qh"vjg"uwdhc o kn{"Go r k f k p c g <Hilara allogastra."H. femorella."  
 H. intermedia, H. nigritarsis."Empis bistortae."E. nigricoma."Rhamphomyia erythrophthal-  
 ma."R. heterochroma."cpf"R. hybotina"ŃQpg"urgekū."Chelifera pectinicauda"qh"vjg"uwdhc o kn{"  
 J g o gtqftq o k k p c g ." y c u " h q w p f " k p " v j g " E | g e j " Ń g r w d n k e " h q t " v j g " Ł t u v " v k o g ." d w v " v j k u " k u " o c k p n {"  
 dgecwug"vjg"uwdhc o kn{"ku"kpuwħŁekgpvn{"uwfkgf"kp"egpvtn"rctvu"qh"Ńwtqr g Ń"Ńwtkqwun{"vjg" o quv"  
 cdw pf cpv"urgekū"hqw pf"kp"vjg"uwfkgf"ctgc" y cu"vjg"tcv jgt"nq y ncpf"Empis prodromus." y kvj"  
 3:2" o cngu"cpf"9"hg o cngu="eq o rctgf"ħqt"kpucpeg" y kvj"vjg"xgt{"eq o o qp"Empis nigripes" y kvj"  
 62" o cngu"qpn{"ŃVjtg"urgekū"ŃRagas unica."Rhamphomyia aethiops"cpf"R. unguiculata+"ctg"  
 nkuvgf"cu"xwnpgtcdng"ŃXW+"kp"vjg"Ńgf"nkuv"qh"vjg"tgcvgpgf"urgekū"kp"vjg"E|gej"Ńgrwdnke"ŃEj x"Ńnc"  
 ("Dctv"Ńm"4227+)