

**Ncp flmqxkv\*Fkrvgtc< J gngq o { |kfcg+Lk|gtum ej"jqt" c"Ht fncpvumc**

**J gngq o { |kfcg\*Fkrvgtc+qh"vjg"Lk|gtum²"jqt{"Ovu"cpf"Ht fncpv"tgikqp"  
\*pqtvjgtp"Dqjg okc."E|gej" Tgrwdnke+**

Lk ¶RTGKUNGT³⁺ ( "Mevg kpc"FXQ fMQXf⁴

³⁺Xnp um⁸8;4."E \ "ó"682"23"Nkdtge"8="g/o ckn< r tkgungtdnd Bug |pc o0e|  
⁴⁺Tqjcpqx"82."E \ "ó"5:6"95"Uvcej {-g/o ckn<m0 o ctuqxc Bug |pc o0e|

**Cdvtcew**Tguwvu"qh" c"uwtxg{"qh" J gngq o { |kfcg"kp"vjg"Lk|gtum²"jqt{"Ovu"cpf"Ht fncpv"tgikqp"fwtkpi"vjg"xgi gvc/  
vikp"rtkqfu"qh"42246422:"ctg"rtgugpvf0"cnvqigvgt"75"urgek"y gte"tgeqtf g"fd{"o gcpu"qh"rtqgkp"vtrcu."dgg"vtrcu."  
Ocnckug"vtrcu."gnmqy"rcp"vtrcu."uy ggrkpi"cpf" fktgev"rkenkpi"kp"icmgtkgu."kpenwfkpi"58"urgek"y jkej"jcf"pqv"dgpp"  
rtgkxqum{"tgrqtvf"htqo"vjg"ctgc"wpfgt"uwf{0"Vjg"lpfkpi"u"qh" *Scoliocentra collini* \*Yq pkec."4226+ cpf"*Heleomyza  
setulosa* \*E|gtp."3;46+trtgugpv"vjg"ugeqpf"cpf"vjktf"tgeqtf"kp"vjg"E|gej" Tgrwdnke."tgrugevkn{0

**Mg{yqt fu<** Fkrvgtc." J gngq o { |kfcg."Lk|gtum²"jqt{"Ovu."Ht fncpv"tgikqp."pqtvjgtp"Dqjg okc."E|gej" Tgrwdnke."  
hcwkvku

—XQF

Ncp flmqxkv\*J gngq o { |kfcg+"luqw" gng "u"jncntmvkem o"tq|-¶ gp¶o."lgp"p mqnkm"ftwj "d{ng"  
|cxng gpq"pc"lklfp"rqnqmqwnk0"pc"ux v "lg"|p⁸o q"o²p "pgfl"722"ftwj "Ocpuctf/Xgmgp"3; ; ; +."  
x"Gxtqr "d{ng"pcng|gpq"r kdnkfp "372"| "pkej" \*Yq pkec"4229+0" \ "À|g o¶" gum²"tgrwdnkm{"lg"  
x"uqw cup²"fqd " |p⁸o q":6"ftwj .|"vqjq"x" gej⁸ej":4"c"pc"Oqtex "96"\*Fxq⁸mqx⁸"4228="  
Fxq⁸mqx⁸" ("Rtkgung"4229+0"Lgfp⁸u"q"oqwej{"ocn ej."uv gfpf"ej"cf"l"ngm ej"⁸fq"37"o o +"  
tq|o t ."flnwv ."qmtqx "pgdq"v ocx "|dctxgp²." cuvq"u"v ocx ok"umxtpc ok"pc"m f"ngej"0"R gx⁸fp "  
lfg"q"ftwj {"ucrtqh⁸ip¶." o {egvqh⁸ip¶\**Suillia*"ur r0+."mqrqh⁸ip¶"c"pgmtqh⁸ip¶\**Neolieria*"ur r0."  
*Oldenbergiella* ur r0+0" P mqnkm"ftwj "lg" h{vqh⁸ip¶ej." pcr ¶mncf" *Suillia oldenbergii*"\*E|gtp{."  
3;26+"c" *Suillia univittata*"\*xqp" Tqugt."3:62+0"X v-kpqw"ug"lgfp⁸q"e jncfpq oknp²"ngup¶"ftwj {0"  
P mvgt²"ftwj {"|" tqf "*Heleomyza*"c" *Scoliocentra*"n|g" rtxckfgnp "|cuvkjppqw"kw"x"lgum{ppf"ej"  
rtqvut⁸ej."mfg"rqw|g"r g m⁸xcl¶"ngvp¶" k|kop¶"qdfqd¶"pgdq"rtqf n⁸xcl¶"k"egn "x xq1"⁸v{v²fl"  
ftwj {"ug"x{x¶lg|k"ok o q"rqf|g o p¶"rtqvut{"pglfg"vgf{"q"rtcx²"vtqin qdkqpv{+0

gng "J gngq o { |kfcg"lg"pc"À|g o¶" gum²"tgrwdnkm{"rqo tp "fqd g"rtceqxcp⁸."cng"r guvq"  
luqw |pcnquv"q"igqitcLem²o"tq|-¶ gp¶." gvpquv"lgfpqvnx ej"ftwj "c"lgk"ej"dkqnqik" |cv¶o"  
pgfquvcv p²0

X"okpwnquv"pgd{n"x"Lk|gtum ej"jqt⁸ej" c"pc"Ht fncpvumw"rtqxfgp"fl⁸fp "urgek⁸np¶"x |mw o"  
ncp flmqxkv ej0"X"nkvgtcvw g"lg" |v²vq"qdcuvk"wxgfgpq"43"ftwj " |g"-guvk"nqmcnk"⁸Fxq⁸mqx⁸"  
( "Rtkgung"4229="Octvkgp"3;96."3:;9c."d+0"mqo rngzp¶"x |mw o"v²vq" gngfk."lgjqfl"x ungf m{"  
luqw"rtg|gpvqx⁸p{"x"pc"-rt⁸ek."d{n"wumwv g p p"x"ngvgej"42246422:0"Rqftqdp l-¶x{og|gp¶"  
c"ejctcmvgtkuvkmc"ungfqxcp²jq"À|g o¶"xk|"Xqpk mc" ("Xk- am"⁸422: +0

OGVQFKMC" C"OCVGTk fN

Ocvgtk"n"d{n"¶um"p"p"ungfwl¶e"ok"ogvqfcok"ud tw"⁸wxgfgp²"|mtcvm{"luqw"rqwflv{"x"r gjngfw"ftwj +<DV"6"dgq/  
t{"vtrcu"⁸rxp¶"rcuvk+."OV"ó"Ocnckug"vtrcu"⁸Ocnckugj"rcuvk+."RV"ó"rtqgkp"vtrcu"ó"ogcv"vtrcu"⁸rtqgkppx²."o cuqx²"

rcuuk: [ RV6'0{gmqy"rcp"vtrcu\*flnw2"okum{+.x-g"l0Rtqkngt" ( "R0"Xqpk mc"niw0"FR0"0fktgev"rkemkpi \*kpkfxfw"npf"ud t"  
gzjcwuwqtg o"x'rqf|g o p|e j"rtquvqt"ej+.U Y'0'uy ggrkpi \*u o m"p|'xgi gcegv"uyf+.X-g"l0Rtqkngt"niw0Rqftqdp lk'v{vq'  
o gqv f{"rqrkuwlg"Xqpk mc"422: +0" Pc"nqmcnk"e j" 0'55.'64c.'69'c'74'd{n{ 'flnw2"okum{ 'w o fuv p|'pc'42/52'mi" jpqlg"  
\*uygtkxk qj'q. cdl{ 'pgf g'q'cd|'cxng p'f'fwj "pc' nqmcnk w+. 'pc' nqmcnk v. '0'74'd{nq'x'qmqf' j'pqlg'lg'v' u o m"pq0'  
X"rtqvgkpxx ej \*ocuqx ej +rcu'fej'd{n{ 'p'xpcf{ 'qd o qx'p{ 'r' k'ncff'2"mqvptqng'u'x lk o mqv'fnqwj'qf'qd'2'gzr q|'keg"  
r gu' |k o p|'q'f'q'f. mf|'d{n{ 'rcuuk' |'f' xqf'w'up j'qx'2' r'qmt xm{ 'c'v' flm'2' r' fuv'rpqvk' nqmcnk' mqvptqnx' p|' cfl'pc'lc' gl'  
X'v' ej'v' rcu'fej' vcm' cal'q'r' rtxcf' r'qf'qdp' m' n'f'j'p'w'f' p' mvg' t' ej' f'w'j " r' f' o'q' x' p' x' p'c'f' \*Oldenbergiella brumalis  
E|gtp{. '3; 46.'O. calalifera Rerr. '3; : 2+. 'q' g' o'f' u'x' f' x' {x'k'p'w'2' r'v'k'np'w' o' c'f' l'w'82' " 'g'z'g' o' r'n' 0  
\ 'f' x'q'f' 'q'd'f'f'p'2'j'q'w't' q'x'p'f' u'c' o'k' e' |'nk'j'q'x'2'j'q' o' cvgtk' a' n'w' d' {nk'w'x' v- k'p|' f'w'j " r' g'f'p'q'v'p' 'f'g'v'g' t' o'k'p'q'x' a' p'k' u'c' o' e'k'  
Rqw|g'w'tqf' . 'w' m'v'g' t' e'j' 'u'g' u'c' o' e'k' x' {u' m{ v'q'x'c'k' x' |' a' e'p' \*Heteromyza' u' r' r' l'0. "Tephrochlamys' u' r' r' l'0' d' n{ 'r' t'g' r'c'q'x' a' p' {  
c' f'g'v'g' t' o'k'p'q'x' a' p' {u'c' o'k' e'g' l' M' f'g'v'g' t' o'k'p'c'k' d' n{ 'r' q'w'f'k'v' { 'r'w' d' n'k' m'c' e'g' I' q' t' q' f' m' q'x' \*3; 92+. 'Rerr' \*3; : 3+. 'Rerr' ( "Y'q' p'k'c'  
\*3; ; 5+0' P'c' r' t'q'v'q'w' x' v- k'p'w' o' c'v'g' t' a' w' f' e'v'g' t' o'k'p'q'x' c' n' r' t'x'p'f' c'w'q' t' c' l'g' w' n'q'f'g'p' x' |'g' j' u' d' f' e'g' c' x' g' u' d' f' e'g' x' g' u' m' 2' j' q'  
o' w' l'g' c' x' N'k' d' e' t' e'k' l' O'c'v'g' t' a' n' f' x' q'w' x' |' a' e'p' e'j' f'w'j . "Heleomyza setulosa \*E|gtp{. '3; 46+ c' S'coliocentra collini Y'q' p'k'c'.  
4226. 'f'g'v'g' t' o'k'p'q'x' c' n' C' l'0' Y'q' p'k'c' l'0' P'q' o' g' p' m'c' w' t' c' c' u' {u' g' o' c'v'k' e' m' 2' c' |g' p'f' f'w'j " l'g' r' q' f' n'g' F' x' q' a' m' q' x' \*4228+. 't'q' |' f' |g' p'f'  
f'w'j " l'g' w' x' g' f' p'q' f' n'g' Y'q' p'k'c' \*4229+0

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

—fclg'm'nqmcnk' a o luqw'wxgfgp{ 'x'p'a'ungfwlfefo' r'q' c'f'f' 'f' u' n' q' c' p' a' |g'x' n'q' m' c' n' k' v' { \*q' d' g' e' . ' a' u' w' q' d' e' g' . e' j' t' a' p' p' 2' a' g' /  
o' f' . x' t' e' j' q' n' c' r' q' f' t' . h' c' w' k' p' l' u' k' 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' x' - m' c' . d' k' y' q' r' l'0' P' m' y' g' t' 2' n' q' m' c' n' k' v' {  
luqw' t' q' | f' n' g' p' { 'p' c' x' f' e' g' d' k' y' q' r' . m' y' g' t' 2' l' u' q' w' | p' c' g' p' { 'r' f' u' o' g' p' { 0' R' q' w' f' l' k' 2' } m' t' c' v' m' { < P' R' T' 0' r' p' t' q' f' p' r' f' t' q' f' p' | t' g' | t' x' c' e' g' .  
R' T' 0' r' f' t' q' f' p' | t' g' | t' x' c' e' g' . R' R' 0' r' f' t' q' f' p' | r' c' o' a' m' c' l

[3. 'Cndtgejv'k'eg'x'lk|gtum'ej'jqt'ej'.7479.'822' o. 'rqf'w'rk' a'ng o. 'r'q'v'q'w' f'q'np'f' u'v'c'p'k'eg' n'c'p'q'x' m' }0]4. 'D'g'f' k'ej'q'x'.  
7478.'972' o. 'x'te'j' O'c'nk'p'f' m. 'D'g'f' k'ej'q'x' u' m' 2' u'g' f' n' q' d' }5. 'D'f' n' 'R'q'v'q'w'.7379.<]5c. 't' {d'p'f' m' { 'u'x' l'0' q' f' f' l'g' n' l' u' v' c' p' k' e' g' . ' 6' 7' 2' o' " r' t' c' /  
o' g' p' k' - v' . " o' q' m' c' f' = ]5d. " o' q' m' c' f' c' x' n' j' m' 2' n' q' w' m' { 'p' c' f' i' n' q' w' r' c' n' k' - v' o' l' k' l'p' q' f' q' d' e' g' . ' 6' 3' 2' o' = ]5e. " J' l'g'p' " r' q' v' q' w' u' x' l'0' q' f' q' d' e' g' .  
' 6' 9' 2' o' " \*d' w' k' p' c' +0]6. 'D'w' m' q' x' e' g' R' T' . ' 7' 3' 7' : < [4a] ' n' g' u' p' f' r' t' c' o' g' p' k' - v' " p' c' l' x' l'0' u' x' c' j' w' . ; 4' 2' o' = ]6d. 'R' t' c' n' q' w' m' c' . ; 2' 2' o' " \*j' q' u' m' a'  
n' q' w' m' c' . " o' q' m' c' f' = ]6e. 'q' f' w' o' g' n' a' u' t' k' p' c' u' p' n' g' v' o' l' g' a' d' w' r' v' c' f' j' q' p' c' u' l'0' u' x' c' j' w' . ; 7' 2' o' l'0]7. 'D'w' n' q' w' m' c' . ' 7' 2' 7' 8' . ' 5' 2' 2' o' .  
n' g' u' p' f' t' { d' p' f' m' { 'e' e' c' 4' m' o' u' g' x' g' t' p' " q' f' q' d' e' g' r' k' u' v' a' p' f' j' t' c' p' k' e' l'0]8. " g' t' p' a' j' q' t' c' . ' 7' 3' 7' 9' < [6a] " g' t' p' a' j' q' t' c' R' T' . ' X' a' p' q' p' f' |  
n' q' w' m' c' . " 3' 2' 7' 2' o' " \*t' c' - g' n' k' p' k' - v' = ]8d. < k' o' k' u' p' f' j' q' n' k' p' c' c' u' o' t' m' q' x' a' " o' n' c' k' p' c' p' c' l' x' l'0' u' x' c' j' w' . ; 2' 2' o' l'0]9. " g' t' p' a' n' f' m' c' \*q' d' g' e'  
F' g' u' p' a' x' l'k' |g' t' u' m' e' j' j' q' t' a' e' j' . ' 7' 4' 7' 9' . ' 9' 2' 2' o' . " r' q' v' q' w' " g' t' p' a' n' f' m' c' \*n' g' u' +0] : \_ " g' t' p' q' w' u' / X' R' q' n' k' . ' 7' 2' 7' 8' . ' 4' 7' 2' o' . u' q' w' v' u' x' c' e'  
t' { d' p' f' m' " o' e' j' q' f' p' " e' j' q' u' c' f' {0} ; " F' v' k' e' j' q' x' . ' 7' 3' 7' 8' . ' 7' 2' 2' o' . n' g' u' l' x' l'0' q' f' q' d' e' g' \* O' c' n' f' m' x' m' f' l' i' 0' ]32. " H' g' t' f' k' p' c' p' f' q' x' \*q' d' g' e'  
J' g' l' p' k' e' g' + . ' 7' 3' 7' 8' / 7' 3' 7' 9' . ' 5' 9' 2' o' . u' q' w' v' q' m' X' g' n' m' 2' j' q' c' O' c' n' 2' j' q' t' m' v' q' n' k' e' j' w' \*x' n' j' m' 2' n' q' w' m' { +0]33. 'H' q' l' v' g' e' m' " o' q' m' c' f' R' R' . ' 7' 3' 7' 8' .  
' 5' 9' 2' o' " \*o' q' m' c' f' . r' q' v' q' w' +0]34. " H' t' f' n' c' p' v' . ' 7' 2' 7' 8' . ' 5' 4' 2' o' . d' g' j' { " g' m' { 'U' o' f' 2'0]35. " J' c' t' e' q' u' x' u' m' j' d' g' v' . ' 7' 4' 7' 8' . ' 7' 7' 2' / 8' 2' 2' o' "  
\* n' g' u' . r' q' v' q' w' +0]36. 'J' g' l' p' k' e' g' . ' 7' 3' 7' 9' . ' 5' : 2' / 6' 2' 2' o' . " t' { d' p' f' m' { 'r' q' f' x' t' e' j' g' o' " Q' g' - p' f' m' . r' q' v' g' m' l'0]37. 'J' q' t' p' f' " g' t' p' a' U' v' w' f' p' k' e' g'  
\* q' d' g' e' P' q' x' X' g' u' p' c' f' P' l' u' q' w' + . ' 7' 4' 7' 9' . ' 9' 7' 2' o' . " o' q' m' c' f' . x' n' j' m' 2' n' q' w' m' { . q' n' - k' p' c' +0]38. " J' g' t' p' R' g' t' v' q' n' v' k' e' g' . ' R' g' t' v' q' n' v' k' e' g' + .  
' 7' 2' 7' 8' . ' 5' 2' 2' o' < ]38c. " J' t' e' p' k' p' f' t' { d' p' f' m' \* r' q' f' o' a' g' p' a' n' - k' p' c' = ]38d. " m' a' m' x' t' { d' p' f' m' \* o' q' m' k' p' { +0]39. " J' q' t' p' f' " c' u' p' l' e' g' . ' 7' 2' 7' 9' .  
' 6' 2' 2' o' . " M' c' o' g' p' p' " x' t' e' j' \*q' r' w' - v' p' a' r' u' m' q' x' p' c' +0]3: . " L' g' f' n' q' x' " f' n' R' T' . r' q' v' q' w' l' g' f' n' q' x' a' . " 7' 4' 7' 9' < [18a] u' o' - g' p' " n' g' u' . r' q' v' q' m' .  
' 8' 9' 2' o' = ]3: d. " x' q' f' q' r' a' f' . r' q' v' q' m' . n' g' u' . ; 2' 2' o' l'0]3; . " L' k' |g' t' m' c' \*q' d' g' e' M' q' g' p' q' x' + . ' 7' 3' 7' : < [19a] l'g' | f' g' e' m' \* e' g' u' v' c' . ; 9' 2' o' " \*n' g' u' =  
]3; d. " n' q' w' m' { 'x' q' u' c' f' . : 7' 2' / : 9' 2' o' = ]3; f. " n' g' u' p' c' f' u' q' w' v' q' m' o' l'k' |g' t' m' { 'c' l'k' |g' t' { . : 5' 7' 2' o' = ]3; f. " n' g' u' x' q' m' q' n' f' q' d' e' g' . : 7' 2' / : 8' 2' o' l'0'  
]42. " M' n' g' q' x' 2' h' q' w' m' { R' T' . ' 7' 3' 7' 9' . ; 8' 2' o' " \*t' c' - g' n' k' p' k' - v' +0]43. " M' q' g' p' q' x' . ' 7' 4' 7' : . 8' : 2' o' . r' q' v' q' w' c' o' q' m' k' p' { 'r' q' f' f' l'g' n' l' u' v' c' p' k' e' l'0]44. "  
M' t' k' u' v' k' a' p' q' x' . ' 7' 3' 7' 9' . ; 2' 2' / : 5' 2' o' " \*u' o' t' m' q' x' " n' g' u' +0]45. " M' f' l' i' q' x' " x' t' e' j' R' T' . ' 7' 2' 7' 8' . ' 5' 4' 2' / 5' 7' 2' o' " \*n' g' u' . " o' q' m' c' f' +0]46. " N' k' d' g' t' e' /  
X' g' u' e' . ' 7' 4' 7' 8' . ' 5' 8' 2' o' . A' f' q' n' f' X' g' u' e' m' 2' j' q' r' q' v' q' w' \* o' q' m' c' f' +0]47. " O' c' n' a' U' v' t' e' p' c' R' T' . ' 7' 4' 7' 9' . ' 9' 2' 2' / 9' 4' 2' o' " \*n' q' w' m' { . " o' q' m' c' f' { .  
t' { d' p' f' g' m' . r' q' v' q' w' +0]48. " O' c' t' k' p' u' m' j' q' t' u' m' 2' d' q' w' f' \*q' d' g' e' C' n' d' t' g' e' j' v' k' e' g' x' l'k' |g' t' u' m' e' j' j' q' t' a' e' j' + . ' 7' 4' 7' 9' . ' 9' 7' 2' o' " \*n' g' u' . n' q' w' m' { +0]  
]49. " O' g' e' p' f' t' { " U' o' f' 2' R' T' . ' 7' 2' 7' 8' . ' 4' 4' 2' o' < [27a] t' { d' p' f' m' F' w' d' a' m' c' t' { d' p' f' g' m' u' x' l'0' q' f' t' { d' p' f' m' F' w' d' a' m' \* o' q' m' k' p' { . q' n' - k' p' c' =  
]49d. 'q' u' c' f' c' H' n' k' r' q' x' m' c' \*q' d' g' e' X' k' - q' x' a' + . d' g' j' " g' m' { 'U' o' f' 2. " n' q' w' m' c' x' p' l' x' 0]4: . " O' p' f' - g' m' . ' 7' 3' 7' 8' . ' 5' : 2' o' . " n' q' w' m' { 'r' q' f' 2' a' f' l' g' n' l'  
v' t' c' l'0]4; . " P' c' M' q' d' n' g' \*l'k' p' " q' f' q' u' c' f' { 'l'k' |g' t' m' c' . q' d' g' e' M' q' g' p' q' x' + . ' 7' 3' 7' : / 7' 4' 7' : . ; 2' 2' o' . M' q' d' { n' f' r' q' v' q' w' \* u' o' t' k' p' c' +0]52. " P' q' x' 2' O'  
U' v' q' r' q' f' U' o' t' u' q' c' f' . : 7' 2' / : 9' 2' o' = ]30a] A' f' q' n' f' r' q' v' q' w' c' n' q' o' p' l' e' g' w' - v' q' n' { " F' v' k' l' | t' c' e' g' n' . ' 8' 2' 2' o' " \*n' g' u' +0]52d. " A' f' q' n' f' r' q' v' q' w' c' n' q' o' p' k' /  
e' g' . - v' q' c' F' v' k' l' | t' c' e' g' n' . ' 8' 2' 2' o' = ]52e. " T' e' r' k' e' m' a' j' q' t' c' . - v' q' c' e' T' e' r' q' n' f' . ' 8' 9' 2' o' = ]52f. " W' u' r' a' n' g' p' 2' j' u' r' q' f' { . ' 7' 5' 2' o' " \*n' g' u' . x' n' j' m' 2'  
n' q' w' m' { +0]53. " Q' a' f' k' e' j' q' x' u' m' 2' u' g' f' n' q' . ' 7' 3' 7' 8' . ' 7' 2' 2' o' . X' l' p' k' p' a' e' g' u' v' c' \*d' w' k' p' c' +0]54. " R' u' e' x' { . ' 7' 4' 7' 9' . ' 6' 2' 2' o' . A' f' q' n' f' R' t' q' t' w' d' u' m' 2' j' q'  
r' q' v' q' w' c' \*t' { d' p' f' g' m' . n' g' u' p' f' r' q' v' q' w' +0]55. " R' q' n' g' f' p' f' m' \*x' t' e' j' q' n' . P' R' T' l'k' |g' t' u' m' j' q' t' u' m' 2' d' w' k' p' c' +0]55. : 7' 2' o' " \*d' w' k' p' c' +0]56. "  
" T' e' u' r' g' p' c' x' e' . ' 7' 3' 7' 8' < [34a] J' q' n' v' q' r' q' v' q' w' r' q' f' f' l' g' n' l' u' v' c' f' . ' 5' 4' 2' o' " \*o' q' m' c' f' . q' n' - k' p' c' = ]56d. 'q' u' c' f' c' X' N' w' m' e' j' . n' q' w' m' { 'x' p' l' x'  
' m' v' q' n' r' e' j' w' . ' 5' 7' 2' o' l'0]57. " T' e' - g' n' k' p' k' - v' " L' k' |g' t' m' { P' R' T' . ' 7' 3' 7' : . : 7' 2' / : 9' 2' o' < [35a] U' c' h' f' t' q' x' " r' q' v' q' w' \* u' o' t' m' q' x' " n' g' u' . m' n' g' q' x' 2'  
r' q' t' q' v' . d' g' j' { 'r' q' v' q' w' c' = ]57d. " M' n' w' i' g' j' q' n' q' w' m' c' \*t' c' - g' n' k' p' k' - v' . u' o' t' k' p' c' = ]57e. " r' q' v' q' w' R' f' p' a' x' q' c' \*d' g' j' { . u' o' t' m' q' x' " n' g' u' +0]  
]58. " T' e' - g' n' k' p' k' - v' L' k' |g' t' { P' R' T' . ' 7' 3' 7' 9' / 7' 3' 7' : . : 5' 2' / : 9' 2' o' " \*t' c' - g' n' k' p' k' - v' . t' c' - g' n' k' p' p' a' u' o' t' k' p' c' . d' g' j' { " g' m' { 'l'k' |g' t' { +0]59. " T' g' l' f' l' e' g'  
\* q' d' g' e' M' q' g' p' q' x' + . ' 7' 4' 7' 9' o' . " r' q' v' q' w' l' g' - m' t' d' c' g' e' \* o' q' m' c' f' +0]5: . " T' w' f' q' n' q' x' \*q' d' g' e' N' k' d' g' t' e' + . ' 7' 4' 7' 8' . ' 8' 7' 2' o' . A' f' q' n' f' " g' t' p' 2'

Pku{0}J5;\_T{d{hqw m{RT."737:":72}o\*tc-gnkp-k-v +0}J62\_Umngpc keg\*qdgeX{uqm2}pcfLk|gtqw+.747: .772/782}o\*  
\*rtcogpk-v "rqvqm+0}J63\_Uo fxcex\*jqtum"ejcvc."qdgeD{m "Rqvqm+.7379."W"Uvfw"pm{.":2}o\*o qm kpc."u o tmqx "n  
ngu+0}J64\_Uo tm\*ocukx"jqt{+.7379<[42a]xtejqiqx"u o t kpc"pc"l|0"uxc"jw."3"322"o=}J64d\_Mng qxk-v ."3"272"o."  
u o tmqx"o nc|kpc"pc"l|0"uxc"jw=}J64e\_Xnc-um "j dgv.";22"o\*dw kpc+=}J64f"tq|eguv"uxl"qf"xtejqmwVk-kp{.;22"o\*gmtcl"  
nguc+=}J64g\_Xgmm"U{d{h"qxqf\*oquv+.:22"o\*o rqvqm."ngu+=}J64h"Nkdxgtfum "oquv."922"o."d gj"vtcegp2}jq"rqvqm."  
ngup"rtcogpk-v 0}J65\_Uqw-\*qdge"FGup"x"Lk|gtum ej"jqt"ej+."7479."972"o=}J66\_Uvt"fl"pcf"Pluqw/Ux"aqx."7478."  
572"o=}J67\_Uv gfp"l|k|gtum "j dgv."7379<[45a]um"nc"J qwcd.:":2"o\*o tmqx "ngu+=}J67d\_\ngnp "m"o gp.;22"o"  
\*o kup"j qnkpc."u o tmqx "ngu+0}J68\_"mqne x"t{d{pfm"qdge"TCurgpcxc+.7378."572"o."J qnwdf"rqvqm"o qm cf."qn-kpc+0"  
J69\_"m"rk "m"xtej."PRT"l|k|gtumjqtum2"dw kp{+.7378."822"o\*dw kpc."rqvqm+0}J6:\_"Vkej"am "f mc"RR."7479."972"o"  
\*xnm2"nqwm{."tc-gnkp-k-v +0}J6;\_"W"M{ugnm{"\*kflp "qf"pqx2}jq"O uvc"rqf"U o tmg o+."7479."822"o."Afqmf"vtcegp2}jq"  
rqvqm\*o qm cf."ngu."rqvqm+0}J72\_"X"aeexfmqxc"Uvfw"pme"qdge"m q gpqx+."747: ".:72"o\*o qm cf."xnm"n"nqwmc+0"  
J73\_"X"rgpp "xtej"RT."7378."622"o\*ngkuvpcv "ngu+0}J74\_"Xtvcumcxkeg"pcf"Pluqw"qdge"Nkdtge+."7478."592"o."ctg"n"  
\ftcxqvpfjq"Avucxw0}[53] \cfp"mqrgc.";22"o\*o kup"j qnkpc."u o tmqx "ngu+0}J76\_"ncv"Qng-plcg."747: ".822"o." "auv"  
P"xtcxqum"\*nw pf"rtcogpk-v +0

X UNGFM["C"FKUMWUG

R gjngf"lk-v p ej"ftwj

Wmcfif2"nqmcnk{lg"wxgfgpp"fcvw o\*mkpvgtxcn+ud tw."rq gv"fgvgtokpqxcp ej"uc oe "cuc oke"  
c"mtcvmc"ogvqf{ud tw"Fcnc-"rqwflk2"mtcvm{<"U"o" gtxgp "ug|pc o"dg|qdtcm ej" T\*Oct/  
vkpgm" ("Dctva"m"4227+<"GP"o"qj tqflgp "ftwj 0

Borboropsis puberula\* \ gwgtuvfvf."3:5: +""

Xgn o k" | fmc"ej {vcp "jqnctmvekem "ctmvqncrkpp"ftwj."pgmtqh"ip"l"uc"rtqh"ip"l"o" Fqur nek"cmvkw"l"  
x"ejncfp2"o"qdfqd"l"tqmw"r gx"flp "pc"qvgx gp ej"uvcpxk-v"ej"\*Tqj" gm"3; ;9+0"lfg"q"ur"l"g"  
v{thqLap"ftwj"\*Tqj" gm" ("Dctva"m"3; ;+0"X" T"l"cl"o" |cej{egp"rqw|g"pc"p mqnkmc"jqtum ej"  
nqmcnkva"ej."mvgt2"ujtpwlg"tqj" gm"\*3; ;9+0

J ctequm "j dgv"J35\_<80Z0/50ZK04229."5" \*RV+0"U o tm"J64g\_<40/420XK04228."3" \*RV+=350XKK0/50XKK04228."3" "  
\*RV+0"W"M{ugnm{ [49]<450KZ0/30ZK04228."3" \*RV+0"Egnmg o"8"gz0"

Gymnomus \*u0"uvt0+"caesius"\*Ogki gp."3:52+""

Egnmg o" d flp "gxtqrum "ejncfpq o kmp "ftwj."mqrth"ip"l"m"cxgtpkmpq"l"x" T"rq| uvcvgm"ug/  
xgtum2"hcwp{0"Xg"xqnp2"r "ftqf "ug"x{um{vwlg"lgp"x" cup2"o"lc"gc"rq|fp"o"rqf|k ow\*Octvkpgm"  
3; ;8+0"X"l gum{p"ej"pgp"l"jg"q"tq|o p qflqx"p"l"pc"tq p"l"qdfqd"l"x" |"p q\*"Rcrr"3; ;3+0

Cndtgejvkeg"x"l|k|gtum ej"jqt"ej"J3\_<30ZK04228/3;0KX04229."3" \*RV+0"Dwmqxe"RT"J6e"<3:0Z04228/3;0KX04229."  
3" \*RV+=390KZ0/70Z04226."3" \*RV+=70/4:0Z04226."3" \*RV+0"Lgfqx "f n"RT"J3a"<520X0/380XK04227."3" \*OV+=  
380XK0/80XKK04227."5" \*OV+0"M flqx "xtej"RT [23]<520Z04226."3" \*U Y +=480Z04228/520KXK04229."3" \*RV+0"  
Rqgf p"fm"J55\_<80X0/40XK04226."3" \*OV+=40/470XK04226."4" .3" \* [RV+=470XK0/360XKK04226."4" \* [RV+=  
380KZ0/70Z04226."3" \*RV+0" T{d{h"nw m{RT"J5;\_<320/480XK04225."3" \*OV+0"U o tm"J64c\_<450KZ0/:0ZK04227."  
7" \*RV+=40/430XK04228."6" \*OV+=450KZ04228/50X04229."3" \*RV+=}J64d\_<460XKKK0/450KZ04228."52" .4" "  
\*RV+=}J64e\_<330X0/40XK04228."4" \* [RV+=}J64g\_<30ZK04228/520KXK04229."3" \*RV+=}J64h\_<450KZ0/:0ZK04227."3" "  
\*RV+0"Uv gfp"l|k|gtum "j dgv"J67d\_<30ZK04228/3;0KX04229."3" \*RV+0"m"rk "am"J69\_<460KZ0/450ZK04228."3" \* [RV+0"  
W"M{ugnm{J6;\_<40/420XK04228."3" \*OV+=450KZ0/330Z04228."3" \* [RV+0" \cfp"mqrgc [53]<3:0Z04228/390KX04229."  
3" \*RV+0"Egnmg o"8;gz0"

Gymnomus \*u0"uvt0+"spectabilis"\*Nqgy."3:84+""

\ "fmc"ud"t"cp "gxtqrum "ejncfpq o kmp "ftwj."mvgt "d{n" f "xg" |p" o" |" T"rqw|g" |"l gum{p"l"cn g"  
x"ejncfp l"l"ej"qdfqd"l"tqmw"ug"x{um{vwlg"l"Xg"xqnp2"r "ftqf "Octvkpgm"4223+0"Xg" |mqw o cp2"o"  
À|g o"l" d{n"ud"l"t"p"pc" cf "nqmcnk"o"ko"q"rqf|g o p"l"rtquvqt 0

Dfñ "Rqyqm"j3a]c<50/3;0X04227."3" \*OV+0DwmqxeRT"j6e]c<530XKKK0/3;0Z04228."3" .3" \*RV+=4:0XKKK0/390KZ04226."7" \*RV+=390KZ0/70Z04226."4" \*RV+0"Jcteqxum"j dgy"j35\_c<330Z04228."4" \*UY+0Lgfngx "f n"RT"j38a]c<520X0/380XK04228."3" \*OV+=370Z04229/420KX0422."3" \*RV+0"Pc"MQd{ng"j49]c<520XKKK0/3;0Z04228."4" \*RV+0"Rqngf"p"m"j33]c<360/520XKK04226."3" \*RV+0"Uo tm"j64c\_c<430XK0/350XKK04228."3" \*OV+=460XKKK0/450KZ04228."3" \*RV+=j64d\_c<460XKKK0/450KZ04228."3" \*RV+=j64h\_c<450KZ0/0ZK04227."3" \*RV+=450KZ0/30ZK04228."32" \*RV+=30ZK04228/520KX04229."3" \*RV+0"m"rk "m"j69\_c<3;0KZ0/420Z04225."3" \*RV+=40/440Z04226."4" \*RV+=460KZ04228."3" \*UY+0"W"m"ugm{ "j69]c<450KZ0/30ZK04228."4" \*RV+0"X"rgpp "xtej"RT"j73\_c<480Z04228/520KX04229."3" \*RV+0"Egmg o"5;"gzl

*Heleomyza (Anypoctata+ setulosa)\*E|gtp{.3;46+"" U<GP*  
O<sup>a</sup>ñq|p<sup>a</sup> o "jqtum"ftwj"fqwf"udf|tcp "lgp"xcg"uv gfp"l"Gxtqr \* gum<sup>a</sup> tgrwdnkmc."Rqnumq."Tcmqumq."Tw o wpumq."Unqxpumq+"c"pc"Mcxmc|g0"X" gum<sup>2</sup> tgrwdnkeg" d{ n"fqwf"pcng|gr" rqw|g"pc"fxqw"nqmcnk<sup>a</sup>ej<™w o cxc"o"Temqum<sup>a</sup>"nqumc."3"522"o"3" .f"gv0"N0"Rcr+r+c"Mer"tqpw" w"Mwpflcmw."772"o"3" .f"gv0"C0"Yq pkec:"Octv"pgm"3; ;6+0"Lg"cl|f o cx<sup>2</sup>.f"lg"xcg|mqw o cp<sup>2</sup> o" À|g o f" d{ n"ej { v<sup>a</sup> p"pc"qu o k"nqmcnk<sup>a</sup>ej."egmg o"xcg"54"gzg o rn<sup>a</sup> "fej"cv<sup>2</sup> o" x jtcfp "fq"rtqvgk/ ppx ej"rcuvf."eqfl"pc|pc wlg."flg"lfg"rtxcf rqfqdp "q"pgmtqh<sup>a</sup> ip"l"ftwj0"  
Jcteqxum"j dgy"j35\_c<330Z04228/350KX04229.";" \*RV+=490ZKX04229/40X0422."32" \*RV+0"Lgfngx "f n" RT"j3;c\_c<30ZK04228/390KX04229."4" \*RV+=370Z04229/420KX0422."4" \*RV+0"Te-gnkp-v"l"l|gt{"PRT"j58\_c<3;0Z04228/390KX04229."3" \*RV+0"Uo tm"j64h\_c\_c<0ZK04227/470KX04228."3" \*RV+=30ZK04228/520KX04229."3" \*RV+=520KX0/50X04229."3" \*RV+0"Uv gfp"l"l|gtum"j dgy"j67c\_c<30ZK04228/3;0KX04229."3" \*RV+0"m"rk "m"j69\_c<40/430KX04226."3" \*RV+=490X0/430XK04226."3" \*RV+0"W"m"ugm{ [49]c<520KX0/50X04229."3" \*RV+0"cfp"mqrg"e"j75\_c<3;0Z04228/390KX04229."3" \*RV+0"Egmg o"54"gzl

*Heleomyza \*u0"uvt0"captiosa)\*Iqtqfmqx."3;84+*  
Xgn ok'd flp "gxtqrum"ejncfpqoknp "ftwj."ucrtqh<sup>a</sup> ip"l"cmqtrqh<sup>a</sup> ip"l"Rcr+r"3; ;+:"lgl"q|pc wlg" |c"lfgfp"l"pgld flp l-"fej"ftwj "x{--"fej"owej"x" gxtqrum ej"l"gm{p"fej0" Tq|opqflqx<sup>a</sup>p"l" x"rqf|g o p"fej"rtquvq<sup>a</sup>ej"pgp"l" xkun<sup>2</sup>"pc"tq p"l"o"qdfqdf."xcg"xqnp<sup>2</sup>"r"l"tqf"ug"x{um{x"vwlg" x"ejncfp l-"o"qdfqdf"tqmw"Rcr+r"3; ;+0

Cadtgejvkex"l"l|gtum"ej"jqt"ej [1]c<30ZK04228/3;0KX04229."3" \*RV+0"Dwmqxe"RT"j6d\_c<90XK04226."3" \*UY+=6e\_c<390KZ0/70Z04226."5" \*RV+=70/4:0Z04226."5" \*RV+=90/490Z04227."4" \*RV+=490Z04227/30X04228."6" \*RV+=30/490X04228."5" \*RV+=3:0Z04228/3;0KX04229."45" \*RV+=3;0KX0/3;0X04229."4" \*RV+=gtp<sup>a</sup> "jqt"j8d\_c<3;0Z04228/390KX04229."35" \*RV+0" gtp<sup>a</sup> "f mc [7]c<30ZK04228/3;0KX04229."5" \*RV+0" F v kejqx"];c<480Z04228/520KX04229."32" \*RV+0"Jcteqxum"j dgy"j35\_c<330Z04228/350KX04229."38" \*RV+=80Z0/50ZK04229."5" \*RV+=490ZKX04229/40X0422.";" \*RV+0"Lgfngx "f n"RT"j3;c\_c<30ZK04228/3;0KX04229.";" \*RV+=370Z04229/420KX0422."3" \*RV+=j3;d\_c<370Z04229/420KX0422."7" \*RV+0"l"l|gtmc"j3;a]c<3;0Z04228/3;0KX04229."4" \*RV+=j3;f]c<4;0ZK04228/390KX04229."3" \*RV+0"M"mg qx<sup>2</sup>hqw{ "RT"j42\_c<3;0Z04228/390KX04229."32" \*RV+0"m" flq "xtej" RT"j45\_c<4;0Z04226/380KX04227."8" \*RV+=480Z04228/520KX04229.";" \*RV+0"Pc"MQd{ng"j4;c\_c<3;0Z04228/3;0KX04229."4" \*RV+0"Pqx"O uvq"r"q"Uo tmg o"j52c\_c<450KZ0/0ZK04227."4" \*RV+=j52d\_c<320Z04226.";" \*FR+=450Z04226."3" \*FR+=330ZK04226."3" \*FR+=490KX04229."3" \*FR+=j52f\_c<30ZK04228/520KX04229."3" \*RV+0"Qnf kejqxum"ugfnq [31]c<450ZK04228/520KX04229."42" \*RV+0"Rqngf"p"m"j55\_c<70/4:0Z04226."3" \*RV+0"Turcgpex" [34a]c<480Z04228/520KX04229."5" \*RV+=j56d\_c<450ZK04228/530KX04229."3" \*RV+0"Te-gnkp-v"l"l|gtm{"PRT"j57c\_c<30ZK04228/390KX04229."7" \*RV+0"Te-gnkp-v"l"l|gt{"PRT"j58\_c<3;0Z04228/390KX04229."32" \*RV+0"Uo tm"j64c\_c<0ZK04227/330X04228."52" \*RV+=450KZ04228/50X04229."375" \*RV+=j64d\_c<3;0Z04227/330X04228."32" \*RV+=j64f\_c<30ZK04228/520KX04229.";" \*RV+=j64g\_c<450KZ0/30ZK04228."58" \*RV+=30ZK04228/520KX04229."8" \*RV+=520KX0/50X04229."7" \*RV+=j64h\_c<450KZ0/30ZK04228."32" \*RV+=450KZ0/0ZK04227."3" \*RV+=0ZK04227/470KX04228."3" \*RV+=30ZK04228/520KX04229."97" \*RV+=520KX0/50X04229."3;" \*RV+0"Uqw- [43]c<30ZK04228/390KX04229."4" \*RV+0"Uv gfp"l"l|gtum"j dgy"j67c\_c<30ZK04228/3;0KX04229."33" \*RV+=j67d\_c<30ZK04228/3;0KX04229."38" \*RV+0"m"rk "m"j69\_c<420KX0/4;0X04227."3" \*RV+=30Z04227/30KX04228."4" \*RV+=60/420X04228."3" \*RV+=450ZK04228/520KX04229."7" \*RV+0"W"m"ugm{ [49]c<450KZ0/30ZK04228."3" \*RV+=30ZK04228/520KX04229."37" \*RV+0"X"enx"mqxc"Uwv"f"pmc [50]c<30ZK04228/3;0KX04229."3" \*RV+0"X"rgpp "xtej"RT [51]c<480Z04228/520KX04229."35" \*RV+0"Xtevkcxeg"pc"Fluqw [52]c<490XKK04228."4" \*UY+0"cfp"mqrg"e"j75\_c<3;0Z04228/390KX04229."9" \*RV+0"Egmg o"975"gzl

*Heleomyza* \*u0|vvt0+*modesta*\*Ogki gp. 3:5:+

D flp " | a rcfqrcngctmvkem "ucrtqh<sup>a</sup> ip<sup>fl</sup> ftwj<sup>0</sup> Kocic<sup>n</sup> | g" cuvq | cej { vkv<sup>x</sup> | g<sup>m</sup> { p<sup>fej</sup> . c<sup>ng</sup> | pglfg<sup>g</sup> q<sup>m</sup> | mcxgtpkmqnp<sup>fl</sup> ftwj \*Rerr<sup>3</sup>; :3+0

Dwmqxe RT<sup>1</sup> j6d<sup>1</sup> < 30ZK04226.3" \*UY +=" j6e<sup>1</sup> < 490Z04227/30X04228.8" \*RV += " 3: 0Z04228/3; 0KX04229.4" \*RV +0<sup>+</sup> gtp<sup>a</sup> | jqt c<sup>1</sup> | j8d<sup>1</sup> < 3: 0Z04228/390KX04229.3" \*RV +0<sup>+</sup> Jcteqxum " j dg<sup>v</sup> | j35<sup>1</sup> < 490ZK04229/40X0422. :5: " \*RV +0<sup>+</sup> | Lgf | nqx " f n<sup>1</sup> RT<sup>1</sup> | j3: c<sup>1</sup> < 3: 0Z04227.3" \*OV += " 520X0/380XK04227.3" \*OV += " 370Z04229/420KX0422. :3" \*RV += " | j3: d<sup>1</sup> < 370Z04229/420KX0422. :36" \*RV +0<sup>+</sup> Mng qx<sup>2</sup> | hqwm { RT<sup>1</sup> | j42<sup>1</sup> < 3: 0Z04228/390KX04229.7" \*RV +0<sup>+</sup> M flq<sup>x</sup> | xtej RT<sup>1</sup> | j23<sup>1</sup> < 4: 0Z04226/380KX04227.6" \*RV += " 380KX0/3; 0X04227.3" \*RV +0<sup>+</sup> Pqx<sup>2</sup> | O uv<sup>q</sup> | r<sup>q</sup> f<sup>U</sup> o tmg o | j52d<sup>1</sup> < 320Z04226.3" \*FR +0<sup>+</sup> Rqg f p<sup>fl</sup> | j55<sup>1</sup> < 80X0/40XK04226.3" \*OV += " 40/470XK04226.3" \*OV +0<sup>+</sup> Tcurgpex<sup>c</sup> | j36a<sup>1</sup> < 480Z04228/520KX04229.3" \*RV += " 0 tm | j64c<sup>1</sup> < 450KZ0/0ZK04227.3" \*RV += " 0ZK04227/330X04228.384" \*RV += " 40/430XK04228.3" \*OV += " 450KZ04228/50X04229.99" \*RV += " | j64d<sup>1</sup> < 0ZK04227/330X04228.354" \*RV += " | j64f<sup>1</sup> < 30ZK04228/520KX04229.3" \*RV += " | j64g<sup>1</sup> < 30ZK04228/520KX04229.5" \*RV += " | rk<sup>a</sup> m | j69<sup>1</sup> < 420XK04225.3" \*UY +0<sup>+</sup> W<sup>m</sup> | ugm<sup>g</sup> { [49] < 420XK0/350XK04228.3" \*OV +0<sup>+</sup> X<sup>a</sup> | rgpp | xtej RT<sup>1</sup> | j73<sup>1</sup> < 480Z04228/520KX04229.5" \*RV +0<sup>+</sup> X<sup>t</sup> | v<sup>e</sup> | k<sup>n</sup> | x<sup>k</sup> | e<sup>g</sup> | p<sup>c</sup> f<sup>l</sup> | Phug<sup>g</sup> | j52<sup>1</sup> < 30/3: 0KX04226.8" .4" \* [ RV += " 440/530KX04227.:" \* [ RV += " 320/480K04229.7" \* [ RV +0<sup>+</sup> | Egm<sup>g</sup> o " 6:4gz0

*Heleomyza* \*u0|vvt0+*serrata*\*Nkppcgwu. 397: +""

kf glk<sup>1</sup> | ud<sup>1</sup> | t<sup>c</sup> p " j qnctmvkem " e j n c f p q o k n p " ftwj . " ucrtqh<sup>a</sup> ip<sup>fl</sup> c<sup>1</sup> | mqr<sup>t</sup>qh<sup>a</sup> ip<sup>fl</sup> 0<sup>1</sup> Octv<sup>k</sup>pgm<sup>3</sup>; 8; +  
lg<sup>l</sup> | r<sup>q</sup> x<sup>c</sup> | f<sup>w</sup> | g<sup>l</sup> c<sup>1</sup> | d<sup>q</sup> t<sup>g</sup> q<sup>c</sup> n<sup>r</sup> k<sup>p</sup> p<sup>fl</sup> | ftwj . " m<sup>v</sup> g<sup>t</sup> " | u<sup>v</sup> c<sup>n</sup> x<sup>1</sup> T<sup>1</sup> | c<sup>m</sup> q<sup>1</sup> | n<sup>c</sup> e<sup>k</sup> a<sup>n</sup> p<sup>fl</sup> | t<sup>g</sup> k<sup>m</sup> v<sup>0</sup> | M<sup>c</sup> x<sup>g</sup> t<sup>p</sup> k<sup>m</sup> q<sup>n</sup> p<sup>fl</sup> | ftwj . "  
p<sup>c</sup> r<sup>0</sup> | Octv<sup>k</sup>pgm<sup>3</sup>; :2+wt qx<sup>c</sup> n<sup>0</sup> o c<sup>v</sup> g<sup>t</sup> k<sup>a</sup> n<sup>1</sup> | j<sup>n</sup> q<sup>w</sup> d<sup>k</sup> e<sup>j</sup> q<sup>f</sup> g<sup>d</sup> | m<sup>t</sup> c<sup>u</sup> q<sup>x</sup> e<sup>j</sup> | g<sup>m</sup> { p<sup>fl</sup> | U<sup>n</sup> q<sup>x</sup> g<sup>p</sup> m<sup>2</sup> | j<sup>t</sup> t<sup>a</sup> | g<sup>0</sup> |  
H<sup>g</sup> t<sup>t</sup> c<sup>1</sup> \*3; :9+wx<sup>a</sup> f<sup>fl</sup> . | f<sup>l</sup> g<sup>1</sup> | n<sup>c</sup> t<sup>x</sup> { " u<sup>g</sup> | n<sup>fl</sup> | j<sup>p</sup> q<sup>w</sup> x<sup>1</sup> | n<sup>k</sup> f<sup>u</sup> m<sup>2</sup> o " v<sup>t</sup> w<sup>u</sup> w<sup>c</sup> | r<sup>t</sup> c<sup>x</sup> f<sup>1</sup> | r<sup>q</sup> f<sup>q</sup> d<sup>p</sup> | v<sup>c</sup> m<sup>2</sup> | x<sup>g</sup> | j<sup>p</sup> q<sup>l</sup> k<sup>1</sup> p<sup>c</sup> "  
h<sup>c</sup> t<sup>0</sup> e<sup>j</sup> c<sup>x</sup> | p<sup>g</sup> v<sup>q</sup> r " | o " v<sup>t</sup> w<sup>u</sup> w<sup>x</sup> | g<sup>m</sup> { p<sup>fej</sup> 0<sup>1</sup> X<sup>g</sup> | u<sup>d</sup> | t<sup>g</sup> e<sup>j</sup> | | g<sup>1</sup> | m<sup>q</sup> w<sup>o</sup> c<sup>p</sup> 2<sup>1</sup> | q<sup>d</sup> n<sup>c</sup> u<sup>v</sup> k<sup>1</sup> | g<sup>1</sup> | v<sup>q</sup> | r<sup>1</sup> | g<sup>m</sup> x<sup>c</sup> r<sup>k</sup> x<sup>1</sup> "  
p<sup>g</sup> l<sup>r</sup> q<sup>1</sup> g<sup>p</sup> | k<sup>1</sup> | c<sup>u</sup> v<sup>q</sup> w<sup>r</sup> g<sup>p</sup> " ftwj " t<sup>q</sup> f<sup>w</sup> | *Heleomyza* 0<sup>1</sup> E<sup>j</sup> { v<sup>a</sup> p<sup>d</sup> | n<sup>r</sup> q<sup>w</sup> | g<sup>1</sup> | f<sup>q</sup> p<sup>a</sup> x<sup>p</sup> c<sup>f</sup> q<sup>x</sup> e<sup>j</sup> | r<sup>c</sup> u<sup>v</sup> | \*RV. "  
| R<sup>v</sup> | r<sup>q</sup> n<sup>q</sup> | f<sup>l</sup> g<sup>2</sup> | p<sup>c</sup> | j<sup>p</sup> q<sup>l</sup> k<sup>1</sup> +0

C<sup>n</sup> d<sup>t</sup> g<sup>e</sup> | j<sup>v</sup> k<sup>e</sup> g<sup>x</sup> | L<sup>k</sup> | g<sup>t</sup> u<sup>m</sup> e<sup>j</sup> | j<sup>q</sup> t<sup>a</sup> e<sup>j</sup> | j1<sup>1</sup> < 30KZ04228/3; 0KX04229.5" \*RV += " D<sup>n</sup> | R<sup>q</sup> v<sup>m</sup> | j5e<sup>1</sup> < 450ZK04228/520KX04229.59" \*RV +0<sup>+</sup> Dwmqxe RT<sup>1</sup> j6e<sup>1</sup> < 490Z04227/30X04228.4" \*RV += " 3: 0Z04228/3; 0KX04229.33" \*RV +0<sup>+</sup> gtp<sup>a</sup> | jqt c<sup>1</sup> | j8d<sup>1</sup> < 3: 0Z04228/390KX04229.55" \*RV +0<sup>+</sup> F<sup>1</sup> v<sup>1</sup> | k<sup>e</sup> j<sup>q</sup> x<sup>1</sup> | < 480Z04228/520KX04229.46" \*RV +0<sup>+</sup> Jcteqxum " j dg<sup>v</sup> | j13<sup>1</sup> < 330Z04228/350KX04229.9: " \*RV += " 490ZK04229/40X0422. :54" \*RV +0<sup>+</sup> Lgf<sup>n</sup> q<sup>x</sup> " f n<sup>1</sup> RT<sup>1</sup> | j3: c<sup>1</sup> < 370Z04229/420KX0422. :32" \*RV += " 30ZK04228/390KX04229.56" \*RV += " | j3: d<sup>1</sup> < 370Z04229/420KX0422. :6" \*RV +0<sup>+</sup> Lk | g<sup>t</sup> m<sup>c</sup> | j3: c<sup>1</sup> < 3: 0Z04228/3; 0KX04229.8" \*RV += " | j3: e<sup>1</sup> < 4: 0ZK04228/50X04229.4" \*RV += " | j3: f<sup>1</sup> < 4: 0ZK04228/390KX04229.3" \*RV +0<sup>+</sup> Mng qx<sup>2</sup> | hqwm | RT<sup>1</sup> | j42<sup>1</sup> < 3: 0Z04228/390KX04229.32" \*RV +0<sup>+</sup> M flq<sup>x</sup> | xtej RT<sup>1</sup> | j23<sup>1</sup> < 4: 0Z04226/380KX04227.45" \*RV += " 380KX0/3; 0X04227.66" \*RV += " 480Z04228/520KX04229.49" \*RV +0<sup>+</sup> O<sup>c</sup> n<sup>a</sup> | U<sup>v</sup> t<sup>e</sup> p<sup>c</sup> | RT<sup>1</sup> | j47<sup>1</sup> < 30ZK04228/3; 0KX04229.3" \*RV +0<sup>+</sup> P<sup>c</sup> | M<sup>q</sup> d<sup>1</sup> | g<sup>1</sup> | j4; < 3: 0Z04228/3; 0KX04229.3" \*RV +0<sup>+</sup> P<sup>q</sup> x<sup>2</sup> | O uv<sup>q</sup> | r<sup>q</sup> f<sup>U</sup> o tmg o | j52c<sup>1</sup> < 0ZK04227/470KX04228.3" \*RV += " | j52f<sup>1</sup> < 30ZK04228/520KX04229.37" \*RV +0<sup>+</sup> Q<sup>n</sup> f<sup>1</sup> | k<sup>e</sup> | j<sup>q</sup> x<sup>u</sup> m<sup>2</sup> | u<sup>g</sup> f<sup>n</sup> | j53<sup>1</sup> < 450ZK04228/520KX04229.4: " \*RV +0<sup>+</sup> T<sup>c</sup> u<sup>r</sup> g<sup>p</sup> e<sup>x</sup> | j36a<sup>1</sup> < 480Z04228/520KX04229.38" \*RV += " | j56d<sup>1</sup> < 450ZK04228/530KX04229.7" \*RV +0<sup>+</sup> T<sup>c</sup> - g<sup>n</sup> k<sup>p</sup> - v<sup>1</sup> | L<sup>k</sup> | g<sup>t</sup> m<sup>c</sup> | { PRT<sup>1</sup> | j57e<sup>1</sup> < 30ZK04228/390KX04229.4" \*RV +0<sup>+</sup> T<sup>c</sup> - g<sup>n</sup> k<sup>p</sup> - v<sup>1</sup> | L<sup>k</sup> | g<sup>t</sup> | { PRT<sup>1</sup> | j58<sup>1</sup> < 3: 0Z04228/390KX04229.68" \*RV +0<sup>+</sup> U<sup>o</sup> | f<sup>e</sup> x<sup>c</sup> | j63<sup>1</sup> < 30ZK04228/390KX04229.4" \*RV +0<sup>+</sup> 0 tm | j64a<sup>1</sup> < 0ZK04227/330X04228.3" " \*RV += " 450KZ04228/50X04229.43" \*RV += " | j64d<sup>1</sup> < 0ZK04227/330X04228.5" \*RV += " | j64f<sup>1</sup> < 30ZK04228/520KX04229.43" \*RV += " | j64g<sup>1</sup> < 450KZ0/30ZK04228.9" \*RV += " 30ZK04228/520KX04229.89" \*RV += " 520KX0/50X04229.7" \*RV += " | j64h<sup>1</sup> < 0ZK04227/470KX04228.8" \*RV += " 30ZK04228/520KX04229.65" \*RV += " 520KX0/50X04229.6" \*RV +0<sup>+</sup> U<sup>v</sup> | g<sup>p</sup> | L<sup>k</sup> | g<sup>t</sup> u<sup>m</sup> " j dg<sup>v</sup> | j43a<sup>1</sup> < 30ZK04228/3; 0KX04229.6; " \*RV += " | j67d<sup>1</sup> < 30ZK04228/3; 0KX04229.59" \*RV +0<sup>+</sup> | rk<sup>a</sup> m<sup>a</sup> | j47<sup>1</sup> < 40/340KX04226.4" \* [ RV += " 340/430KX04226.5" \* [ RV += " 430/4: 0KX04226.5" \* [ RV += " 4: 0KX0/390X04226.3" \* [ RV += " 360KZ0/40Z04226.4" \*RV += " 40ZK04226/420KX04227.3" \*RV += " 450ZK04228/520KX04229.9; " \*RV += " W<sup>m</sup> | ugm<sup>g</sup> { [49] < 30ZK04228/520KX04229.47" \*RV +0<sup>+</sup> X<sup>a</sup> | e<sup>n</sup> c<sup>f</sup> m<sup>q</sup> x<sup>c</sup> | U<sup>v</sup> w<sup>f</sup> a<sup>1</sup> p<sup>m</sup> c<sup>1</sup> | j72<sup>1</sup> < 30ZK04228/3; 0KX04229.6" " \*RV +0<sup>+</sup> X<sup>a</sup> | r<sup>g</sup> p<sup>p</sup> | xtej RT<sup>1</sup> | j73<sup>1</sup> < 480Z04228/520KX04229.8" \*RV += " 520KX0/50X04229.3" \*RV +0<sup>+</sup> \ c<sup>f</sup> p<sup>fl</sup> | m<sup>r</sup> g<sup>e</sup> | j53<sup>1</sup> < 3: 0Z04228/390KX04229.49" \*RV +0<sup>+</sup> Egm<sup>g</sup> o " ; 37gz0

*Morpholeria* (*Spanoparea*) +*twLeqtpku*\*Ogki gp. 3:52+""

Nkvt<sup>a</sup> | tp<sup>fl</sup> | A<sup>1</sup> f<sup>c</sup> | g<sup>1</sup> c<sup>1</sup> g<sup>1</sup> " g<sup>t</sup> p<sup>a</sup> | U<sup>v</sup> w<sup>f</sup> p<sup>k</sup> e<sup>g</sup> \*Octv<sup>k</sup>pgm<sup>3</sup>; 96+0

X<sup>g</sup> n<sup>o</sup> k<sup>1</sup> d<sup>1</sup> flp " | a rcfqrcngctmvkem "ucrtqh<sup>a</sup> ip<sup>fl</sup> ftwj<sup>0</sup>

Dwmqxe RT<sup>1</sup> j6d<sup>1</sup> < 440XK04227.3" \*UY +0<sup>+</sup> J<sup>g</sup> | p<sup>l</sup> e<sup>g</sup> | j14<sup>1</sup> < 0XK04227.3" \*UY +0<sup>+</sup> Lgf<sup>n</sup> q<sup>x</sup> " f n<sup>1</sup> RT<sup>1</sup> | j3: c<sup>1</sup> < 340XK04227.7" \*UY += " 30/440KZ04227.4" \* [ RV +0<sup>+</sup> M<sup>t</sup> | u<sup>v</sup> k<sup>a</sup> | p<sup>q</sup> x<sup>1</sup> | j43<sup>1</sup> < 40KZ04228.5" .5" \*UY +0<sup>+</sup> O<sup>c</sup> n<sup>a</sup> | U<sup>v</sup> t<sup>e</sup> p<sup>c</sup> | RT<sup>1</sup> | j43<sup>1</sup> < 40XKX04227.3" \*UY +0<sup>+</sup> O<sup>g</sup> e<sup>p</sup> f<sup>t</sup> | U<sup>o</sup> | f<sup>2</sup> | RT<sup>1</sup> | j49c<sup>1</sup> < 0KZ04226.3" \*UY +0<sup>+</sup> T<sup>w</sup> | f<sup>q</sup> | h<sup>n</sup> | q<sup>x</sup> | j38<sup>1</sup> < 90KZ04228.32" .4" "



\*U Y +0"Umgpge keg"j62\_<";0KZ04226."3" \*U Y +0"U o tm"j64c\_<350XKK0/50XKK04228."3" \*O V += "j64h\_<420XK0/350XKK04228."4" \* [ RV += 350XKK0/50XKK04228."3" \* [ RV += 50/460XKK04228."4" \* [ RV += 460XKK0/450KZ04228."33" \* [ RV +0"Uvt"fl"pc"fl"Pluqw/Ux"atq"j66\_<";0Z04227."3" \*U Y +0"mqe x"t{dpf}j68\_<50KZ04226."4" \*U Y +0"m"j69\_<";0KZ0/40Z04225."4" \* [ RV += 530XKK04226."3" \*U Y += 50KZ04226."34" .3" \*U Y += 4; 0XK04227."4" : " \*U Y += 4; 0XKKK04227."5" \*U Y += 460KZ04228."47" \*U Y +0"W"m{ugm{ [49]<340KZ04228."3" \*U Y += 450KZ0/330Z04228."3" \* [ RV +0"Egmg o"326"gz0

*Morpholeria (Spanoparea+ variabilis)\*Nqgy."3: 84+*

Nkvtg"tp"fl"fcg" gtp"Uvwfpleg."Mctnqx."Oczqx"Ocvtkpgm"3;96."3; :9d+0

D flp "gxtqrum"ucrtqh"ip"fl"ftwj0

Dwmqxe"RT"j6c\_<40/490KZ04225."3" \* [ RV +0"J qtp" gtp"Uvwfpleg [15]<40XK04228."3" \*U Y +0"U o tm"j64h\_<460XKK0/450KZ04228."3" \* [ RV +0"Egmg o"5"gz0

*Pgqngtkc"t cxeqtpku"\*Nqgy."3: 84+*

Xgn o k "f"fged"ftcp "rqpqv o g fkvgt"pp"vgrnq o knp "ftwj."ucrtqh"ip"fl"cp"pgmtqh"ip"fl"Ocvtkpgm" ( "Dctv"m"4223+0"Xg"uvwfqxcp2"qdcuvk"d{n"udft"p"rq o tp " cuvq."jncxp "pc"lc g."x"d g|pw" cfl"mx vpw."rqw|g"fq"rtvqgkpx ej"rcuv0

Dwmqxe"RT"j6e]<3;0KX0/3;0X04229."4" \*RV+0" gtp"jqt"RT"j8d\_<3;0Z04228/390KX04229."3" \*RV+0"Jct/eqxum"j dgv"j35\_<490ZKK04229/40X0422."3" \*RV+0"Lgfngx" f n"RT"j3;c\_<30ZK04228/390KX04229."3" \*RV+0"Mng qx"nqwmf"RT"j20]<3;0Z04228/390KX04229."4" \*RV+0"M flqx" xtej"RT"j45\_<380KX0/3;0X04227."34" " \*RV+0"Pc"mqd{ng"j4;\_<3;0Z04228/3;0KX04229."4" \*RV+0"U o fexc"j43]<30ZK04228/390KX04229."3" \*RV+0"U o tm"j42a]<450KZ04228/50X04229."42" \*RV+0"j64d\_<";0ZK04227/330X04228."3" \*RV+0"j64h\_<520KKK0/50X04229."6" " \*RV+0"Uv gfp"fl"lkgtm"j dgv"j67d\_<30ZK04228/3;0KX04229."3" \*RV+0" cfp"mqrg"e[53]<3;0Z04228/390KX04229."3" \*RV+0"Egmg o"79"gz0

*Neolieria inscripta"\*Ogkigp."3: 52+""*

D flp "jqnctmvek"pgmtqh"ip"fl"mqrtqh"ip"fl"ftwj0"Hgttct"3; :9+wx"af"lx xql"x"pqt"aj"ucxe ." Rerr"3; :3+pc"ujpkn"o" o cug"cnk fum ej"gzmtg o gpvgej0"Xg"uvwfqxcp2"qdcuvk"d{n"udft"p" jncxp "x"n2v ."x" gtxpw"cf"utrpw0

Cndtgej"vleg"x"lkgtm"ej"jqt"aj[e]1"<530XKK0/30ZK04228."5" \*RV+0"60/530XKK04228."3" .4" \*RV+0"Df"n "Rq/vqm"j5c\_<60/450KZ04227."4" \*RV+0"Dwmqxe"RT"j6e]<4;0XKK0/390KZ04226."7:" \*RV+0"390KZ0/70Z04226."5" " \*RV+0"480X0/450XK04227."3" \*RV+0"450XK0/450XKK04227."8" \*RV+0"450XKK0/330XKK04227."3" \*RV+0"330XKK0/360KZ04227."5" \*RV+0"360KZ0/90Z04227."3" \*RV+0"30/490X04228."3" \*RV+0"3; 0XK0/4; 0XKK04228."45" \*RV+0"4; 0XKK0/530XKK04228."42" .32" \*RV+0"530XKK0/3; 0Z04228."38" .34" \*RV+0"Dwmqxc [5]<30XK04227."6" \*U Y +0" gtpqwf/X"Rqk [8]<460KX0/360X04229."6:" \*RV+0"360X0/360XK04229."4" \*RV+0"J qtp"Rgtvqvweg"j38d\_<30XK04227."3" \*U Y +0"J qtp" cupleg"j39\_<460X0/4; 0XK04229."3" \*RV+0"4; 0XK0/420XKK04229."3" \*RV+0" Lk|gtmc [19a]<490X0/450XK04228."9;" .37" \*RV+0"450XK0/; 0KZ04228."98" \*RV+0"; 0KZ0/3; 0Z04228."6" " \*RV+0"M flqx" xtej"RT [23]<380KX0/3; 0X04227."36" \*RV+0"3; 0X0/50XK04227."45" \*RV+0"4; 0XKK0/3; 0XKK04227."36" \*RV+0"3; 0XKK0/60KZ04227."36" \*RV+0"60/450KZ04227."6" \*RV+0"50/450XK04228."6" \*RV+0"Ocn"Uvtcpc"RT"j47\_<450XKK0/70XKK04225."3" .3" \* [ RV +0"Ogepft{U o f"RT [27a]<3; 0XKK04226/530X04227."5" \*RV+0"530X0/440XK04227."3" \*RV+0"3; 0XKK0/60KZ04227."9" \*RV+0"60/450KZ04227."4" \*RV+0"j49d\_<360X0/360XK04229."4" \*RV+0"Pc"mqd{ng"j4;\_<490X0/3; 0XK04228."76" .4:" \*RV+0"3; 0XK0/4; 0XKK04228."75" .47" \*RV+0"4; 0XK0/520XKK04228."8" \*RV+0"520XKK0/3; 0Z04228."5" \*RV+0"3; 0KX0/3; 0X04229."4" \*RV+0"Rqg f"p"m" [33]<40/470XK04226."6" \* [ RV += 470XK0/360XKK04226."3" \* [ RV += 360/4; 0XKK04226."3" \* [ RV +0" Tc-gnkp-k-v " Lk|gtm{ "PRT"j57d\_<3; 0X0/50XK04227."9" \*RV+0"50/380XK04227."34" \*RV+0"380XK0/70XK04227.";" \*RV+0"70/4; 0XKK04227."3" \*RV+0" Tc-gnkp-k-v " Lk|gt{ "PRT"j58\_<490X0/530XKK04228."38" .;" \*RV+0"3; 0KX0/3; 0X04229."4" \*RV+0" Tgf fleg"j59\_<470X0/380XK04227."9" \*RV+0"380XK0/70XK04227."7" \*RV+0"4; 0XK0/380XKK04227."5" \*RV+0"U o tm"j64c\_<40/430XK04228."7" \* [ RV += 430XK0/350XKK04228."3" \*RV+0"430XK0/350XKK04228."3" " \*O V += 350XKK0/50XKK04228."7" \*RV+0"j64d\_<330X0/430XK04228."3" .3" \*RV+0"430XK0/350XKK04228."54" .:" \*RV+0"350XKK0/50XKK04228."35" .;" \*RV+0"50/460XKK04228."3" \*RV+0"j64e\_<40/430XK04228."58" .:" 4" \*RV+0"430XK0/350XKK04228.";" .6" \*RV+0"j64g\_<40/420XK04228."46" \*RV+0"420XK0/350XKK04228."35" "

\*RV+=450KZ0/30ZK04228."4" \*RV+=520KKK0/50X04229."3" \*RV+=J64h\_<330X0/40XK04228."36" \*RV+=420XK0/350  
XKK04228."4" \* [ RV+=420XK0/350XKK04228."58" \*RV+=50/460XKKK04228."8" \*RV+=460XKKK0/450KZ04228."  
:" \*RV+=520KKK0/50X04229.":" \*RV+=r\_k "m]69\_<4:0KX0/390X04226."32" \* [ RV+=390/490X04226."92" ."  
48" \* [ RV+=490X0/430XK04226."62" \*RV+=430XK0/80XKK04226."35" \*RV+=80/390XKK04226."5" \*RV+=  
530XKK04226."5" \*UY +=3:0XKKK0/360KZ04226."52" \* [ RV+=360KZ0/40Z04226."47" \*RV+=420KX0/4:0X04227."  
4" \*RV+=4:0X0/4:0X0/4:0X0/4227."5" \*RV+=4:0XK0/490XKK04227."6" \*RV+=490XKK0/4:0XKKK0/360X04229."99" \*RV+=  
4:0XKKK0/70Z04227."39" \*RV+=60/420X04228."3;" \*RV+=30/460KZ04228."4" .7" \*RV+=Wm{ugm{ }j6;<  
420XK0/350XKK04228."3" \*OV +=460XKKK0/450KZ04228."55" \*RV+=450KZ0/30ZK04228."4" \*RV+=Xt cvkncxkqg'  
pcf'Pluqw]74\_<460XK04226."3" \* [ RV+=320/420XKKK04226."5" \* [ RV+=60XKKK04227."7" \*UY +=40/440X04228."  
8" .6" \*RV+=320XKKK0/320Z04228."6" \*RV+=Egmg o"3"52;"gz0

*Pgqngtk"twLecwfc"\*\gwgtugfv."3:69+""*

Egmg o'd flp "gxtqrum "pgmtqh<sup>a</sup> i p]" ftwj0'Xg"uwv fqxcp<sup>2</sup> qdncuk'd{ n'udf<sup>t</sup> a'p" jncxp "pc"lc g."  
x'd g|pw"cf"mx vpw0

Cndtgejvkeg"x"Lk|gtum ej"jqt<sup>a</sup>e"j]3\_<30ZK04228/3;0KX04229."899" \*RV+=Dfn "Rqvqm ]5e\_<450ZK04228/520  
KKK04229."3" \*RV+=Dwmqxe"RT ]6e\_<30/490X04228."4" \*RV+=3:0Z04228/3;0KX04229."73" \*RV+=3;0KX0/3;0  
X04229.":" \*RV+=Dwmqxc ]5[<30XK04227."3" \*UY += gtp"jqt<]8d]c<3:0Z04228/390KX04229."4:" \*RV+=  
gtp" "f mc"]j dgV]35\_<30ZK04228/3;0KX04229."87:" \*RV+= gtpqw{X'Rqn]:"<460X0/360X04229."99" \*RV+=  
J ctequm "j dgV]35\_<330Z04228/350KX04229."788" \*RV+=490ZKK04229/40X0422:".67" \*RV+=Lgf nqx "f nRT"  
[18a]<30ZK04228/390KX04229."3876" \*RV+=370Z04229/420KX0422:".5" \*RV+=Lk|gtmc [19a]<3:0Z04228/3;0  
KX04229."33" \*RV+=]3;e\_<3:0Z04228/390KX04229."39" \*RV+=4:0ZK04228/50X04229."45" \*RV+=Mng qx<sup>2</sup>  
nqwm "RT"]42\_<3:0Z04228/390KX04229."9" \*RV+=M flqx "xtej"RT [23]<4:0Z04226/380KX04227."7" \*RV+=  
380KX0/3;0X04227."69" \*RV+=480Z04228/520KKK04229."33" \*RV+=Oca "Uvtcpc"RT [25]<30ZK04228/3;0  
KX04229."394" \*RV+=Pc"MQd[ng [29]<3;0KX0/3;0X04229."3" \*RV+=Pqx<sup>2</sup> O uvq"rqf"U o tmg o ]52a]<  
:0ZK04227/470KX04228."34" \*RV+=470KX0/330X04228."32" \*RV+=Qnf kej qxum<sup>2</sup>ugfng]53\_<450ZK04228/520  
KKK04229."4" \*RV+=Turgpxc" ]36a]c<480Z04228/520KKK04229."9" \*RV+=Tc-gnkp-k-v "Lk|gtm{ "PRT" ]57e]a"<  
30ZK04228/390KX04229."9" \*RV+=Tc-gnkp-k-v "Lk|gt{ "PRT [36]<3:0Z04228/390KX04229."33" \*RV+=U o tm'  
[42a]<450KZ04228/50X04229."4" \*RV+=]64g]c<520KKK0/50X04229."79" \*RV+=]64h\_<470KX0/330X04228."3" \*RV+=  
470KX0/520X04229."629" \*RV+=Uqw-]65]c<30ZK04228/390KX04229.":" \*RV+=Uv gfp]Lk|gtum "j dgV]65a]"  
30ZK04228/3;0KX04229."76" \*RV+=]67d\_<30ZK04228/3;0KX04229."62" \*RV+=r\_k "m]69\_<40/40KX04226."3" \*  
\* [ RV+=340/430KX04226."6" \* [ RV+=430/4:0KX04226."32" .3" \* [ RV+=4:0KX0/390X04226."7" \* [ RV+=390/490  
X04226."6" .7" \* [ RV+=40ZK04226/420KX04227."7" \*RV+=420KX0/4:0X04227."3" \*RV+=4:0X0/4:0XK04227."  
4" \*RV+=60/420X04228."95" \*RV+=520KKK0/50X04229."322" \*RV+=Wm{ugm{ }49]c<40/420XK04228."3" "  
\* [ RV+=520KKK0/50X04229."89" \*RV+=X<sup>a</sup>encxfmqc"Uwv f"pmc"j72\_<30ZK04228/3;0KX04229."32;" \*RV+=X<sup>a</sup> rgp/  
p "xtej"RT]73\_<480Z04228/520KKK04229."43" \*RV+=Xt cvkncxkqg'pcf'Pluqw]74\_<370KX04226."3" \*UY +=  
450KKK0/380KX04227."4;" \* [ RV+=380KX0/90X04227."38" \* [ RV+=40/440X04228."3" \* [ RV+=470KKK0/90KX04229."  
32" \* [ RV+=0" cfp]mqrg]75\_<3:0Z04228/390KX04229."55" \*RV+=Egmg o"7"3:4'gz0

*Pgqngtk"twLegr"\*\gwgtugfv."3:5:+""*

Nkvt<sup>a</sup>tp]"Afclg< gtp"Uwv fpek"Octvpgm"3;96+0"

D flp " | a rcfqrcngctmvek "pgmtqh<sup>a</sup> ip]" o {egvqh<sup>a</sup> ip]" c | glo "k" mqrtqh<sup>a</sup> ip]" ftwj0'U<sup>2</sup>iwk"  
\*3;56+Igl'udf<sup>t</sup>cn'pc'urcfn ej"rvc ]ej"j p]" fgej" c" o tvx ej"rv<sup>a</sup>e]ej."mgx ]m"4228"x{ej qxcn"  
nctx{ " | p mqnkc" ftwj " jwd." Yggng" \*3; ;8+udf<sup>t</sup>cn' fxc"uc o eg'pc'vtuw" ftxqm<sup>2</sup>jq" rtcugv0"  
Xg"uwv fqxcp<sup>2</sup> qdncuk'd{ n'udf<sup>t</sup> a'p" jncxp "pc"rqf|k.o."x" | a "cf" |lpw0" |cej{egp'd{n" rqw|g"  
x"rtqvgkpx ej"rcu]ej0"

Dwmqxe"RT ]6e]c<90/490Z04227."3" \*RV+=4:0XKK0/530XKKK04228."52" .3;" \*RV+=530XKKK0/3:0Z04228."  
32:" .5;" \*RV+=4:0XKKK0/390KZ04226."6;" \*RV+=390KZ0/70Z04226."3" \*RV+=J ctequm "j dgV]35\_<  
80Z0/50ZK04229."4;" \*RV+=490Z0/490ZKK04229."7" \*RV+=Lk|gtmc] ]39a]c<0KX0/3:0Z04228."9;" \*RV+=  
M flqx "xtej"RT]45\_<60/450KZ04227."3" \*RV+=Pc"MQd[ng] ]29]c<4:0XKK0/520XKKK04228."8" \*RV+=520XKKK0/4:0  
Z04228."92" \*RV+=Pqx<sup>2</sup> O uvq"rqf"U o tmg o ]52c\_<450KZ0/:0Z04227."35" \*RV+=Rqg f pfm]55]c<380KZ0/70  
Z04226."7" \*RV+=70/4:0Z04226."7" \*RV+=U o tm] ]64c\_<460XKKK0/450KZ04228."6" .3" \*RV+=450KZ04228/50

X04229."3" \*RV+=]64d\_<460XKKK0/450KZ04228."5" \*RV+=]64e\_<460XKKK0/450KZ04228."7" \*RV+=]64g\_<450KZ0/30Zn04228."82" .7" \*RV+=]64h\_<460XKKK0/450KZ04228."329" \*RV+=450KZ0/30ZK04228.".;" \*RV+=0"rk "m" [47]<390/490X04226."4" \* [RV+=360KZ0/40Z04226."347" \*RV+=40/440Z04226."9" \*RV+=440Z0/40ZKK04226."3" \*RV+=4:0XKKK0/70Z04227."323" \*RV+=30Z04227/30KKK04228."3" \*RV+=30KZ0/460KZ04228."42" .;" \*RV+=460KZ0/450ZK04228."6:" \*RV+=0"W" M{ugm{ [49]<460XKKK0/450KZ04228."34" \*RV+=450KZ0/30ZK04228."48" \*RV+=0"X" rgpp "xtej"RT [51]<390XKKK0/40Z04229."6" \*RV+=0"Egmg o"3"592"gz0"

*Scoliocentra (Chaetomus+ confusa) \*Ycjni tgp."3;3;+"*

Nkvtg\*tpf"Àfclg< gtp\*"Uvwfpleg\*Octvpgm"3;96+0  
Urqtcfkem{"udf"tcp "rcngctmvkem "dqtgqcnrkppf"ftwj"\*Octvpgm"3;8;."3;93+0\"r uqd"flkxqvc"  
pgp"p"p"o"o"Hgtct"3;:9+"jq"wx"af"|"pqtucxe .Rcrr"3;:4+"lg"udf"tcn"x"lgum{p[ej"xg"Htcpekk."  
eqfl"luqw"x dge"rtxp"Àfclg"q"x um{vw"vqj"qvq"ftwjw"x"lgum{p[ej}0  
Dñ "Rqvqm"]5d\_<40XK04227."3" \*UY+=0"Lgfnqx "f n"RT"]3:c\_<380XK0/80XKK04227."7" \* [RV+=0"Egmg o"8"gz0"

*Scoliocentra (Chaetomus+ txcxgvuvecg\*" \gvgtuvgf v."3:5:+"*

Urqtcfkem{"udf"tcp "jqnctmvkem "ucrtqha ipf"ftwj"u"pg|p"o o" |r uqdg o"flkxqvc0"Fn"Oct/  
vkpmc"3;93+"lg"dqtgqcnrkpp"0"  
Lgfnqx "f n"RT"]3:c\_<380XK0/80XKK04227."5" \* [RV+=340XKK04227."4" \*UY+=30/440KZ04227."3" \* [RV+=0  
Riex{"[32]<450XK04228."3" \*UY+=0"W" M{ugm{ [49]<450KZ0/330Z04228."3" \* [RV+=0"Egmg o":gz0"

*Scoliocentra (Leriola+ brachypterna)\*Nqgy."3:95+*

Xgnok'd flp "gxtqrum "ftwj."ucrtqha ipf."pgmtqha ipf"cmqrtqha ipf"\*pgvqr "fiwcpq+\*Yq pkec"  
4226+0"Mcxgtpkmqnp"cm"ejncfpq o knp "ftwj."x"n2v " |cej {vkvgnp "rqw|g"x"rqf|g o p[ej"rtqu/  
vqt"ej"Rcrr"3;:3+"x" |k o "c"x"dt| m2 o "lc g"k"xg"xqnp2"r "ftqf "k"nkfum ej"r "fd{ve[ej"Rcrr"  
3;:8+0"Xg" |mqw o cp2 o "À|g o" |x v-kpqw"ej {v"p"fq"rtqvqkpx ej"rcu"v."xg"mvg"t ej"ug"x"um{/  
vqxcn"lkl"x"rt d jw" |k o {"c"x" cup2 o "lctw0" |cej {egp"d{n"v2"fl"x"rqf|g o p[ej"rtquvqt"ej.  
Dgf kejxq"]4\_<350Z04229/470KK0422:"9" \*RV+=0"Dñ "Rqvqm"]5e\_<450ZK04228/520KKK04229."8" \*RV+=0"Dw/  
mqxge"RT"]6ej\_<30ZK04226/70X04227."3" \*RV+=490Z04227/30X04228."3" \*RV+=3:0Z04228/3;0KX04229."5" "  
\*RV+=0" F v ke jxq"] ;\_<480Z04228/520KKK04229.".;" \*RV+=0" Jctequm "j dgy"]35\_<330Z04228/350KX04229."  
;8" \*RV+=490ZKK04229/40X0422:"3;:" \*RV+=0"Lgfnqx "f n"RT"]3:c\_<30ZK04228/390KX04229.";" \*RV+=  
370Z04229/420KX0422:"5;" \*RV+=]3:d\_<370Z04229/420KX0422:"567" \*RV+=0"Lk|gtmc"]3;f\_<4:0ZK04228/3;0  
KX04229."8" \*RV+=0"Mng qx2"nqwm{"RT"]42\_<3:0Z04228/390KX04229."52" \*RV+=0"M flq" "xtej"RT [23]<  
4:0Z04226/380KX04227.";" \*RV+=380KX0/3;0X04227."36" \*RV+=480Z04228/520KKK04229.";" \*RV+=0"Ocn"  
Uvtepc"RT"]45\_<30ZK04228/3;0KX04229."7" \*RV+=0"Teurgpexc"]56c\_<480Z04228/520KKK04229."32" \*RV+=  
]56d\_<450ZK04228/530KKK04229."5" \*RV+=0"Uv gfp" |Lk|gtum "j dgy"]67c\_<30ZK04228/3;0KX04229."45" "  
\*RV+=]67d\_<30ZK04228/3;0KX04229."32" \*RV+=0" Pc" Mq|ng]4;\_<3:0Z04228/3;0KX04229."4" \*RV+=0" Pqx2"  
O uvq"rqf"U o tmg o"]52d\_<320Z04226."9" \*FR+=]52e\_<490KX04229."3" \*FR+=]52f\_<30ZK04228/520KKK04229."  
34" \*RV+=0"Qnf kejxqum2"ugfnq"]53\_<450ZK04228/520KKK04229."44" \*RV+=0" Tc-gnkp-v "Lk|gtm{"PRT"]57e\_<  
30ZK04228/390KX04229."3" \*RV+=0" Tc-gnkp-v "Lk|gt {"PRT"]58\_<3:0Z04228/390KX04229."43" \*RV+=0"U o fcxc  
[41]<30ZK04228/390KX04229."5" \*RV+=0"U o tm"]64c\_<0ZK04227/330X04228."6" \*RV+=450KZ04228/50X04229."  
33" \*RV+=]64d\_<0KZ04227/330X04228."6" \*RV+=]64g\_<30ZK04228/520KKK04229."7" \*RV+=520KKK0/50X04229."  
3" \*RV+=]64h\_<420XK0/390XKK04228."3" \*RV+=450KZ0/30ZK04228."3" \*RV+=30ZK04228/520KKK04229."85" \*RV+=  
520KKK0/50X04229."7" \*RV+=0"Ugw-"]65\_<30ZK04228/390KX04229."3" \*RV+=0"W" M{ugm{ [49]}330X0/40X04228."6"  
\*OV+=40/420XK04228."7" \*OV+=30ZK04228/520KKK04229."34" \*RV+=0"X" rgpp "xtej"RT"]73\_<480Z04228/  
520KKK04229."86" \*RV+=0"Xtvcukcxeg"pcf"Pluqw"]74\_<380KX0/90X04227."6" \*RV+=320/480K04226."37" \* [RV+=0  
\cfp"mqrg"e [53]<3:0Z04228/390KX04229."32" \*RV+=0"Egmg o"3"39:"gz0"

*Scoliocentra (Leriola+ collini) Yq pkec."4226*

Ftwj "p"ang |"vqj"qvq"pgf"xpq"rqrucp2"jq"ftwjw"x" gum2"tgrwdnke0"X" T"rqrtx2"jn"-gp"  
rq"tgxk|k" Octvkmq{x"udf"tm{" |"nqmcnkv{"Ej"adqt{"w" Fqdtw-m"xg"x ejqfpej" gej"ej"



\*Fqx<sup>a</sup>mqx<sup>a</sup>" ("Rtgkngt"4229+0"Lfg"rtcx f r q f q d p "q"jqtum "ftwj"-ktqeg"tq|-f gp "x"Gxtqr ." cng"| fmc"udf"tcp ."nctx{"ug"x{x"lgl"l"x"uqx"ej"j"p"l" fgej}\*Yq pkec"4226+0  
Jcteqxum "j dgy"j35\_<490ZK04229/40X0422.":3" \*RV+0"Lgf"nqx "f n"RT"j3:c\_<30ZK04228/390X04229."3" \*RV+0"M flqx "xtej"RT [23]<480Z04228/520X04229."3" \*RV+0"Egmg o"5"gz0

*Scoliocentra* \*u0|uvt0+ *amplicornis* \*E|gtp{."3;46+""

D flp "|a rcfqrcngctmvmek "ejncfpq o knp "mqrtqh<sup>a</sup> i p"l" ftwj"x{xum{vwl"le"l"ug"xg"xqnp<sup>2</sup>"r "ftqf " r gx<sup>a</sup>flp "x"rq|fp "|k o p"l"o" c"lctp"l"o" qdfqdl."c"vq"l"pc"up jw"\*Ooctkpgm" ("Ooegm"3; ;7+0" cuvq"udf"t<sup>a</sup>p"x"l"l"gm{x"p"l"ej."mfg"ug"nctx{"x{x"lgl"l"x"pgvqr "f o"i wcpw"fq"x|f a"ngpquv"l"uk"62" o" qf"x"ejqfw"\*Yq pkec"4228+0"

Dfn "Rqvqm j5e\_<450ZK04228/520X04229."32" \*RV+0"Dwmqxe"RT"j6e\_<490Z04227/30X04228."3" \*RV+="30/490 X04228."3" \*RV+="3;0KX0/3;0X04228."4" \*RV+="j6d\_<90X04226."3" \*UY+0" gtp"m"jqt c"l"8d\_<3;0Z04228/390 X04229."3" \*RV+0" gtp"m" f mc [7]<30ZK04228/3;0KX04229."4" \*RV+0"F v kejqx"];<480Z04228/520X04229."9" \*RV+0"Jcteqxum "j dgy"j35\_<330Z04228/350X04229."43" \*RV+="490ZK04229/40X0422.":." \*RV+0"Lgf/ nqx "f n"RT"j3:c\_<340XK04227."3" \*UY+="30ZK04228/390X04229."57" \*RV+="370Z04229/420X0422.":36" \*RV+0"Mng qx<sup>2</sup>"hqw m"RT"j42\_<3;0Z04228/390X04229."3" \*RV+0"M flqx "xtej"RT [23]<4;0Z04226/380X04227." ;" \*RV+="480Z04228/520X04229."3;" \*RV+0"Pqx<sup>2</sup>"O uvq"r q f"U o tmg o"j52e\_<0ZK04227/470X04228."3" \*RV+="470X0/330X04228."7" \*RV+="j52f\_<30ZK04228/520X04229.";" \*RV+0"Te-gnlpk-v "Lk|gtm{"PRT"j57e\_<30ZK04228/390X04229."3" \*RV+0"Te-gnlpk-v "Lk|gt{"PRT"j58\_<490X0/530XK04228."4" \*RV+="3;0Z04228/ 390X04229."4" \*RV+0"U o fxcx [41]<30ZK04228/390X04229."3" \*RV+0"U o tm"j64c\_<450X04228/50X04229."4" \*RV+="j64d\_<0ZK04227/330X04228."3" \*RV+="350XK0/350XK04228."3" .3" \*RV+="j64g\_<30ZK04228/520X04229."5" \*RV+="j64h\_<0ZK04227/470X04228.";" \*RV+="470X0/330X04228."39" \*RV+="40/420X04228."3" \*OV+="30ZK04228/520X04229."9" \*RV+="520XK0/50X04229."38" \*RV+0"Uqw-"j65\_<30ZK04228/390X04229."4" \*RV+0"Uv gfp"l"l"gtum "j dgy"j67e\_<30ZK04228/3;0KX04229."5" \*RV+="j67d\_<30ZK04228/3;0KX04229."4" \*RV+0"m rk "m"j69\_<40/340X04226."3" \* [RV+="340/430X04226."4" \* [RV+="450ZK04228/520X04229."3;" \*RV+0"W"m{"ugm{"j49}<30ZK04228/520X04229."46" \*RV+0"\ c f p"l"mqrg e"j75\_<3;0Z04228/390X04229."38" \*RV+0"Egmg o"57:"gz0

*Scoliocentra* \*u0|uvt0+ *scutellaris* \* \ gwgtuv gfv."3:5: +""

Nkvtg<sup>a</sup>tp"l"Àfc|c"RT"m flqx "xtej."m rk "m" \*Fqx<sup>a</sup>mqx<sup>a</sup>" ("Rtgkngt"4229+0" \ fmc"udf"tcp "gxtqrum "ejncfpq o knp "ftwj."rtcx f r q f q d p "mqrtqh<sup>a</sup> i p"l" c" pgmtqh<sup>a</sup> i p"l" E j {v<sup>a</sup>p" d{n" r q w|g" f q" p<sup>a</sup>x p c f q x e j" r e u v"}\*RV. [RV" r q n q l g p<sup>2</sup>" p c" j p q l k t. " I n c e k<sup>a</sup> n p"l" t g n k m v." x g" x q n p<sup>2</sup>" r " f t q f " d {n" c e j { e g p" r q w|g" x" j q t<sup>a</sup> e j" | a r c f p"l" c" u g x g t p"l" G x t q r {." x" l g m { p l e j" u g" x { u m { v w l g" k" x" p l f l k p<sup>a</sup> e j." x" j q t<sup>a</sup> e j" o<sup>a</sup> u m n q p" m" u { p c p v t q r k l" \* O c t k p g m" 3 ; 8 ; + 0

Cndtgejvk e g" x" l" k g t u m e j" j q t<sup>a</sup> e j" j 3\_<30ZK04228/3;0KX04229."362" \*RV+0"Dfn "Rqvqm j5e\_<450ZK04228/520 X04229."34" \*RV+0"Dwmqxe"RT"j6e\_<490Z04227/30X04228."3" \*RV+="3;0X0/4;0XK04228."5" \*RV+=" 3;0Z04228/3;0KX04229."3" \*RV+0" gtp"m" f mc [7]<30ZK04228/3;0KX04229."45" \*RV+0"F v kejqx"];<480Z04228/520X04229."8" \*RV+0"Jcteqxum "j dgy"j35\_<330Z04228/350X04229."37" \*RV+0"Lgf"nqx "f n" RT"j3:c\_<30ZK04228/390X04229."4" \*RV+="370Z04229/420X0422.":6" \*RV+0"l"l"gtm c"j3;c\_<3;0Z04228/3;0 KX04229."7" \*RV+="490X0/450X04228."9" .3" \*RV+0"Mng qx<sup>2</sup>"hqw m"RT"j42\_<3;0Z04228/390X04229."7" \*RV+0"M flqx "xtej"RT [23]<480Z04228/520X04229."32" \*RV+0"O c n<sup>a</sup>"U v t e p e"RT"j47\_<30ZK04228/3;0KX04229."3" \*RV+0"Pe"m q d"l" g j 4\_<3;0Z04228/3;0KX04229."4" \*RV+0"Pqx<sup>2</sup>"O uvq"r q f"U o tmg o"j52e\_<0ZK04227/470 X04228."3" \*RV+="470X0/330X04228."6" \*RV+0"Teurgpex c"j56c\_<480Z04228/520X04229."3" \*RV+="j56d\_<450ZK04228/530X04229."4" \*RV+0"Te-gnlpk-v "Lk|gtm{"PRT"j57e\_<30ZK04228/390X04229."3" \*RV+0"Te-gnlpk-v " Lk|gt{"PRT"j58\_<3;0Z04228/390X04229."8" \*RV+="390X0/3;0X04229."3" \*RV+0"U o tm"j64c\_<40/430X04228."3" \* [RV+="j64d\_<0ZK04227/330X04228."3" \*RV+="j64h\_<30ZK04228/520X04229."4" \*RV+="520XK0/50X04229."5" \*RV+0"Uqw-"j65\_<30ZK04228/390X04229."32" \*RV+0"Uv gfp"l"l"gtum "j dgy"j67e\_<30ZK04228/3;0KX04229."34" \*RV+="j67d\_<30ZK04228/3;0KX04229."6" \*RV+0"m rk "m"j69\_<450ZK04228/520X04229."6" \*RV+0"W"m{"ugm{" [49]<30ZK04228/520X04229."7" \*RV+0"X<sup>a</sup>"e n c x"l"m q x c"U v w f"l"p m c"j72\_<30ZK04228/3;0KX04229."3" \*RV+0"\ c f p"l"mqrg e [53]<3;0Z04228/390X04229."33" \*RV+0"Egmg o"5;3"gz0

*Scoliocentra* \*u0|uvt0+\**villosa*\* Ogki gp."3: 52+

Xgnok'd flp "rcngctmvkem "ejncfpqoknp "ftwj."ucrtqha ipf|.mcxgtpkmpqf0|Tq| o pqlfxq'pff"  
x|lgum{pfej'pgpff|'axkun2"pc"tq pff|o"qdfqdff"Rcrr"3; :3+0'Xg'xqnp2"r ftqf "ug"x{x{vwlg"  
x|kopfej'c|ctpfej"o ufe|ej0|clffocx2"luqw"rqo tp |pc p2'tq|f|ff"xg'xgnkmpq'lgfkpe ."  
fcp2'tq|f|ffp o"r fuwpgo"rqvtcx{x'n|nctx'npff'o"uvcfkw"\*Yq pkec"3; ;5+0

Cndtgejvkeg'x'lk|gtum ej'jqt'ej [1]<30Zk04228/3;0kZk04229.'3;" \*RV+0'Dn "Rqvm [3a]<3;0XkKk0/60kZ04227.'3"  
3" \* [RV+="]5je|<450Zk04228/520kKk04229.'2" \*RV+0'Dwmqxe"RT"[6e]<490Z04227/30Xk04228.'4" \*RV+="  
3;0Z04228/3;0kX04229.'4" \*RV+0'gtp"jqt'RT"[8d]<3;0Z04228/390kX04229.'6" \*RV+0'gtp"m|mc [7]<  
30Zk04228/3;0kX04229.'36" \*RV+0'F v kejqx";<480Z04228/520kKk04229.'68" \*RV+0'Jcteqxum "j dgy"]35.<  
330Z04228/350kX04229.'53" \*RV+="490ZkK04229/40X0422.'." \*RV+0'Lgfnqx "f nRT [18a]<80/4;0XkKk04227.'3" <  
\*OV+="30Zk04228/390kX04229.'86" \*RV+="370Z04229/420kX0422.'." \*RV+="]3;d.<370Z04229/420kX0422.'6" <  
\*RV+0'lk|gtmc [19a]<3;0Z04228/3;0kX04229.'8" \*RV+0'Mng qx2"lqwm{"RT [20]<3;0Z04228/390kX04229.'5" <  
\*RV+0'M flqx "xtej"RT"[45.<4;0Z04226/380kX04227.'48" \*RV+="380kX0/3;0X04227.'56" \*RV+="480Z04228/520  
kKk04229.'83" \*RV+0'Pqx2'O uvq'rqf'U o tng o [30a]<0Zk04227/330X04228.'7" \*RV+="470kX0/330X04228.'6" <  
\*RV+="]52d|<320Z04226.';" .3" \*FR+="450Z04226.'3' .3" \*FR+="330Zk04226.'8" .3" \*FR+="490kKk04229.'  
9" \*FR+="]52f.<30Zk04228/520kKk04229.'53" \*RV+0'Teurgpxc]56c.<480Z04228/520kKk04229.'73" \*RV+="  
]56d|<450Zk04228/530kKk04229.'46" \*RV+0'Tc-gnkp-k-v "lk|gtm{"PRT [35]<30Zk04228/390kX04229.'8" \*RV+0"  
Tc-gnkp-k-v "lk|gt{"PRT [36]<3;0Z04228/390kX04229.'7" \*RV+0'U o tm [64a]<430Xk0/50XkKk04228.'4" \* [RV+="  
450kZ04228/50X04229.'4" \*RV+="]64d.<430Xk0/350XkKk04228.'7" .;" \*RV+="350XkK0/50XkKk04228.'4" .6" <  
\*RV+="]64e.<430Xk0/350XkKk04228.'5" \*RV+="]64f.<30Zk04228/520kKk04229.'37" \*RV+="]64g.<30Zk04228/520  
kKk04229.'8" \*RV+="50kKk0/50X04229.'5" \*RV+="]64h.<0Zk04227/470kX04228.'36" \*RV+="470kX0/330X04228."  
3" \*RV+="30Zk04228/520kKk04229.'354" \*RV+="520kKk0/50X04229.'53" \*RV+0'Uqw-]65|<30Zk04228/390kX04229.'  
4" \*RV+0'Uv gfpff"lk|gtum "j dgy"]67c.<30Zk04228/520kKk04229.'43" \*RV+="]67d.<30Zk04228/3;0kX04229.'  
59" \*RV+0'rk "m"]69|<40/340kX04226.'6" \* [RV+="340/430kX04226.'38" \* [RV+="450Zk0/520kKk04229.'79" <  
\*RV+0'Wm{ugm [49]<30Zk04228/520kKk04229.'3;2" \*RV+0'X"encxmqxc'Uwff"pmc [50]<30Zk04228/3;0kX04229.'  
5" \*RV+0'X"rgpp "xtej"RT"[73.<480Z04228/520kKk04229.'3" \*RV+0'|c|ff|mqrg]75.<3;0Z04228/390kX04229.'  
52" \*RV+0'Egmg o"3"368'gzl

*Eccoptomera infuscata* Ycjni tgp."3: 3:

\ |fmc'ud'f|tcp "rcngctmvkem "ftwj."fkl|e|'x'ejqfd'ej'ftqdp ej|gop|fej'ucxe "Rcrr"3; :3+0"  
Jqtum "ftwj"x{x{vwl|e|'ug'jncxp "x|'arcfpff"Gxtqr ."x" T" cuv lk"x|'arcfpfej" gej'ej"  
\*Octvkgpm"4223+0  
lk|gtmc ]3;d.<320XkKk04225.'3" \*UY+0

*Eccoptomera longiseta*\* Ogki gp."3: 52+

Nkvt'apff'afclg" gtp"Uvvpkge\* Octvkgpm"3; 96+0"  
Urqctfkm{"pcn2|cp |'arcfqrngctmvkem "mqrqha ipff"ftwj0X{x{vwlg'ug'x'ejqfd'ej'ftqd/  
p ej|gop|fej'ucxe ."mf|g'ug| glo "x{x|ff|.ur|g"p'a jqfp "lgl'n|g|cej {vkv'k"x'lgum{pfej"  
\*Octvkgpm"3; 8; +0"  
Dn "Rqvm [3a]<50/380Xk04227.'3" \*OV+="rk "m"]69|<70kZ04228.'3" \*UY+0'Xtvtukcxieg'pcff'Pluqw"]52|<  
370Z04228.'3" \*UY+0

*Eccoptomera obscura*\* Ogki gp."3: 52+""""

Egmg o'd flp "gxtqrum "ejncfpqoknp "ftwj."r guvq'pgpff"l'kuvqvw"|p'a o'lgjq'x xq|0'X{x{vwlg'ug'x'lgum{pfej."  
x'x{-fej"rqaj'ej'k'x'g'xqnp2"r ftqf "Octvkgpm"3; 8; +."qrcmqxcp "  
|cej {egp'k'pc'up jw"Octvkgpm" ("Oqegm"3; ;7="Yggng"3; ;8+0  
U o tm]64c.<40/430Xk04228.'3" \*OV+0'Vkej"m|mc"RR [48]<70/4;0Z04226.'3" \* [RV+0

*Eccoptomera ornata* Nqgy."3: 84

Nkvtg<sup>a</sup>tp<sup>l</sup>Àfclg< gtp<sup>a</sup>Uvwfpek\*Octvkpgm<sup>3</sup>;96+0

Egmg o'd flp "gxtqrum ucrtqh<sup>a</sup> ip<sup>l</sup>ftwj<sup>0</sup>Nctx{ug"x{x<sup>l</sup>gl<sup>l</sup>"x<sup>j</sup>p<sup>l</sup>|fgej"ftqdp ej"|gop<sup>l</sup>ej"ucx/  
e<sup>l</sup>\*Rcrr<sup>3</sup>;:3+0<sup>l</sup>\pc p "gwt{vgt op<sup>l</sup>ftwj."x{um{vwl<sup>l</sup>e<sup>l</sup>ug<sup>l</sup>lcm<sup>r</sup> k<sup>j</sup>qtp<sup>l</sup>jcpkek<sup>l</sup>hguc.<sup>l</sup>vcm<sup>k</sup>x<sup>l</sup>hkuw/  
pcv ej<sup>l</sup>ngu<sup>l</sup>ej<sup>j</sup>p<sup>l</sup>flkp."jncxp "x<sup>l</sup>rqtquvgej<sup>l</sup>dclfcpm{\*Mercurialis<sup>l</sup>ur r0+<sup>l</sup>\*Octvkpgm<sup>3</sup>;8;+0

Jglpleg [14]<sup>l</sup>:0XK04227."3" \*U Y+0<sup>l</sup>Lk|gtmc [3];d<:0XKKK04225."3" \*U Y+0<sup>l</sup>Tglfleg [37]<sup>l</sup><4:0XKK0/380XKKK0  
4227."3" \* [RV+0

*Eccoptomera pallescens*\*Ogki gp."3: 52+''''''

Nkvtg<sup>a</sup>tp<sup>l</sup>Àfclg< gtp<sup>a</sup>Uvwfpek\*Octvkpgm<sup>3</sup>;96+0

D flp "gxtqrum "ejncfpq o knp "ftwj."ucrtqh<sup>a</sup> ip<sup>l</sup>.mcxgtpkmp<sup>l</sup>0<sup>l</sup>Xg<sup>l</sup>xqpp<sup>2</sup>r "ftqf "ug"x{um{vwl<sup>l</sup>  
lgp"x<sup>l</sup>ejncfp l-<sup>l</sup>o "qdfqd<sup>l</sup>lqmw\*Octvkpgm<sup>3</sup>;:8+0

D<sup>l</sup>fln "Rqvqm [5d]<sup>l</sup><40XK04227."3" .3" \*U Y+0<sup>l</sup>Dwmqxe<sup>l</sup>RT [4a]<sup>l</sup><90XK04226."4" \*U Y+<sup>l</sup>[6d<4:0Z04226."4" "  
\*U Y+0<sup>l</sup> gtp<sup>a</sup>jqtcl6a]<sup>l</sup><40/470XK04226."6" \* [RV+<sup>l</sup>:380KZ0/70Z04226."3" \*OV+0<sup>l</sup>Lgfngx "f n<sup>l</sup>RT]<sup>3</sup>:c<3;0/520  
X04227."3" \*OV+<sup>l</sup>:520X0/380XK04227."4" \*OV+<sup>l</sup>.3" \* [RV+<sup>l</sup>:380XK0/80XK04227."3" \* [RV+<sup>l</sup>:340XKK04227."3" "  
\*U Y+<sup>l</sup>:30/440KZ04227."3" \* [RV+0<sup>l</sup>Mq gpqx [21]<sup>l</sup><3;0XK04228."3" \*U Y+0<sup>l</sup>Op<sup>l</sup>-gm [28]<sup>l</sup><4;0X04227."3" \*U Y+0<sup>l</sup>  
Pqx<sup>2</sup>O uvq<sup>l</sup>rql<sup>l</sup>U o tmg o [52d<320Z04226."56" \*FR+<sup>l</sup>:450KZ04227."36" .33" \*FR+0<sup>l</sup>Rqgf p<sup>l</sup>fm [55<  
40/470XK04226."8" .3" \*OV+<sup>l</sup>:4;0XKKK0/70Z04226."3" \*OV+0<sup>l</sup>Tc-gnkp<sup>l</sup>-v Lk|gtm{"PRT [57d<50/380XK04227."  
3" \*OV+0<sup>l</sup>Tglfleg [37]<sup>l</sup><50XK04226."3" \*U Y+0<sup>l</sup>T<sup>l</sup>d<sup>l</sup>lqmw m{"RT [39]<sup>l</sup><40/490KZ04225."3" \* [RV+0<sup>l</sup>U o tm]<sup>l</sup>64h<  
40/420XK04228."4" \* [RV+0<sup>l</sup>Vie j<sup>l</sup> m<sup>l</sup> mc<sup>l</sup>RR [48]<sup>l</sup><70/4:0Z04226."3" \*OV+0<sup>l</sup>W<sup>l</sup>M{ugm{"[6];<40/420XK04228."  
5" \* [RV+<sup>l</sup>:350XK0/50XKKK04228."3" \* [RV+<sup>l</sup>:340KZ04228."4" \*U Y+<sup>l</sup>:450KZ0/330Z04228."3" \* [RV+0<sup>l</sup>ncv<sup>l</sup>  
Qng-pleg [54]<sup>l</sup><50XK04226."3" \*U Y+0<sup>l</sup>Egmg o<sup>l</sup>323<sup>l</sup>gzl

*Oecotha fenestralis*\*Hcnn<sup>2</sup>p."3: 42+''''''

Egmg o'd flp ."xqfp "jqnctm<sup>l</sup>vkem \*|cxng gp<sup>l</sup>pc<sup>l</sup>lk<sup>l</sup>flp<sup>l</sup>rqnqmqwnk+.pgmtqh<sup>a</sup> ip<sup>l</sup>ej<sup>l</sup>ncfpq o kn/  
p "ftwj<sup>0</sup>X{x<sup>l</sup>l<sup>l</sup>ug<sup>l</sup>x<sup>p</sup>qt<sup>a</sup>ej<sup>l</sup>o cn ej"|gop<sup>l</sup>ej<sup>l</sup>ucxe ."cng<sup>l</sup>qrcm<sup>l</sup>qxc p "d{n<sup>l</sup>ud<sup>l</sup>t<sup>a</sup>p<sup>l</sup>k<sup>l</sup>pc<sup>l</sup>qmpgej<sup>l</sup>  
xgpmqum ej<sup>l</sup>f q o \*Rcrr<sup>3</sup>;:8+0<sup>l</sup>X{um{vwl<sup>l</sup>ug<sup>l</sup>x<sup>l</sup>ngu<sup>l</sup>ej."pc<sup>l</sup>nqmw<sup>a</sup>ej<sup>l</sup>c<sup>l</sup>rcuvxkp<sup>a</sup>ej<sup>l</sup>.k<sup>l</sup>o c i c<sup>l</sup>  
n|g<sup>l</sup>ej<sup>l</sup>{vcv<sup>l</sup>pc<sup>l</sup>ux vnq<sup>l</sup>\*Rcrr<sup>3</sup>;:3+0

D<sup>l</sup>fln "Rqvqm [5c<50/3;0X04227."3" \*OV+<sup>l</sup>:50/380XK04227."3" \* [RV+<sup>l</sup>:3;0XKKK0/60KZ04227."3" \*OV+<sup>l</sup>:4;0XKK0/3;0  
XKKK04227."3" \*OV+<sup>l</sup>[5d<40XK04227."3" \*U Y+0<sup>l</sup>Dwmqxe<sup>l</sup>RT [6d<440XK04227."3" \*U Y+0<sup>l</sup>Lgfngx "f n<sup>l</sup>RT  
[18a]<sup>l</sup><50/3;0X04227."3" \*OV+0<sup>l</sup>Op<sup>l</sup>-gm [28]<sup>l</sup><90XK04226."3" \*U Y+0<sup>l</sup>Tc-gnkp<sup>l</sup>-v Lk|gtm{"PRT]<sup>l</sup>57d<50/3;0X04227."  
3" \* [RV+0<sup>l</sup>rk<sup>l</sup> am [47]<sup>l</sup><360KZ0/40Z04226."4" \* [RV+0<sup>l</sup>Egmg o<sup>l</sup>33<sup>l</sup>gzl

*Oldenbergiella brumalis*"E|gtp{."3: 46

Ru{ejtqlp<sup>l</sup>pc<sup>l</sup>pgmtqh<sup>a</sup> ip<sup>l</sup>ftwj."|p<sup>a</sup>o "lgp<sup>l</sup>|p mqnkmc<sup>l</sup>uv gfqgxtqrum ej<sup>l</sup>c<sup>l</sup>"<sup>a</sup>rcfqgxtqrum ej<sup>l</sup>  
uv<sup>a</sup>v 0<sup>l</sup>Qdc<sup>l</sup>xg<sup>l</sup>|mqw o cp<sup>2</sup>o "À|g o<sup>l</sup>|cej {egp<sup>2</sup>"ftwj {"vqj<sup>l</sup>qv<sup>l</sup>qf<sup>l</sup>w<sup>l</sup>ug<sup>l</sup>x{um{vwl<sup>l</sup>"x<sup>l</sup>ejncfp<sup>2</sup>o "  
qdfqd<sup>l</sup>lqmw<sup>l</sup>rql<sup>l</sup>k o "ó" cup<sup>2</sup>lctq<sup>l</sup>xg<sup>l</sup>x-gej<sup>l</sup>pcf o q um ej<sup>l</sup>x -m<sup>a</sup>ej<sup>0</sup>R<sup>l</sup>r<sup>l</sup>qvwfl<sup>l</sup>mn<sup>l</sup>cukem ej<sup>l</sup>  
qfej {vqx ej<sup>l</sup>ogvq<sup>l</sup>ug<sup>l</sup>u<sup>v</sup> o kvq<sup>l</sup>ftwj {"ugv<sup>a</sup>x<sup>a</sup>o g<sup>l</sup>xgn o k<sup>l</sup>x<sup>l</sup>ap<sup>0</sup>Xg<sup>l</sup>xj<sup>l</sup>qfp ej<sup>l</sup>nqmcnk<sup>a</sup>ej<sup>l</sup>  
\*ngu<sup>l</sup>{xg<sup>l</sup>x{--fej<sup>l</sup>pcf o q um ej<sup>l</sup>x -m<sup>a</sup>ej<sup>l</sup>+ug<sup>l</sup>fq<sup>l</sup>rtvqgk<sup>l</sup>qjx ej<sup>l</sup>rcuv<sup>l</sup>ej<sup>l</sup>{vcl<sup>l</sup>} cuv lk<sup>c</sup>x<sup>l</sup>r q o tp "  
jqlp<sup>2</sup>o "rq w<sup>l</sup>\*Tqj<sup>a</sup> gm<sup>3</sup>;:9+0

D<sup>l</sup>fln "Rqvqm [5e<450ZK04228/520KKK04229."3" \*RV+0<sup>l</sup>F v kejqx<sup>l</sup>];<480Z04228/520KKK04229."47" \*RV+0<sup>l</sup>J ct/  
eqxum "j dgv [35<490Z0/490ZK04229."3" \*RV+<sup>l</sup>:490ZK04229/40X0422:."37" \*RV+0<sup>l</sup>Lgfngx "f n<sup>l</sup>RT]<sup>l</sup>18a]<sup>l</sup><  
370Z04229/420KX0422:."3" \*RV+0<sup>l</sup>M flqx "xtej<sup>l</sup>RT]<sup>l</sup>45<480Z04228/520KKK04229."4" \*RV+0<sup>l</sup>Pqx<sup>2</sup>O uvq<sup>l</sup>rql<sup>l</sup>  
U o tmg o [52f<30ZK04228/520KKK04229."57" \*RV+0<sup>l</sup>Tcurgpcxc<sup>l</sup>]56d<450ZK04228/530KKK04229."3" \*RV+0<sup>l</sup>U o tm<sup>l</sup>  
[64f<30ZK04228/520KKK04229."33" \*RV+<sup>l</sup>[64g<450KZ0/30ZK04228."37" .8" \*RV+<sup>l</sup>:30ZK04228/520KKK04229."  
3" \*RV+0<sup>l</sup>rk<sup>l</sup> am [69<60/420X04228."3" \*RV+0<sup>l</sup>W<sup>l</sup>M{ugm{"[6];<450KZ0/30ZK04228."44" \*RV+<sup>l</sup>:30ZK04228/520  
KKK04229."39" \*RV+0<sup>l</sup>c f p<sup>l</sup>mqrgc [53]<sup>l</sup><3:0Z04228/390KX04229:." \*RV+0<sup>l</sup>Egmg o<sup>l</sup>384<sup>l</sup>gzl

*Oldenbergiella calcarifera*"Rcrr."3; :2

\c|o"o a"nq\udftcp "ru{ejtqlpftwj."|p<sup>a</sup>o "lgp"|p mqnkmcgxtqrum ej"uv<sup>v</sup> 0"Pgmtqh<sup>a</sup>ip"  
c"upcf"k"mqrtqh<sup>a</sup>ip"<sup>f</sup>"Rcrr"\*3; ;8;"lgl"udftcn"pc"vtuwu"rtcucv"c"rv<sup>m</sup> 0"X"ungf<sup>q</sup>xcp<sup>2</sup>o"À|g|o"  
ug"x"rtqvgkpxx ej"rcuvej"x{um{vqxcn"xcg"xgnm<sup>2</sup>o"o"o"pqfluvx|0

Dñ "Rqyqm ]5e\_<450XK0/4228/520KK04229."35" \*RV+0"V f kejqx"; <480Z04228/520KK04229."73" \*RV+0"Jct/  
eqxum "j dgy"]35\_<330Z04228/350X04229."33" \*RV+="80Z0/50ZK04229."342" \*RV+="490ZK04229/40X0422." :  
4" \*RV+0"M flqxx "xtej"RT"]45\_<480Z04228/520KK04229."333" \*RV+0"Pqx<sup>2</sup>"O uvq"rqf"U o tmgo"]52f\_<  
30ZK04228/520KK04229."3:" \*RV+0"TCurgpxc"]56c\_<480Z04228/520KK04229.";" \*RV+="]56d\_<450ZK04228/530  
KK04229."5" \*RV+0"U o tm"]64c\_<450ZK04228/50X04229."38" \*RV+="]64g\_<450ZK0/30ZK04228."437:" \*RV+="  
30ZK04228/520KK04229."3" \*RV+="]64h\_<450ZK0/30ZK04228.";47" \*RV+="30ZK04228/520KK04229."35" \*RV+="  
520KK0/50X04229."3" \*RV+0"TMrk "am"]69\_<460ZK0/450ZK04228."492" \*RV+="450ZK04228/520KK04229."3" \*RV+0"  
WM{ugmm{ [49]"450ZK0/30ZK04228."3247" \*RV+="30ZK04228/520KK04229."5" \*RV+0"X<sup>a</sup>rgpp "xtej"RT"]73\_<  
480Z04228/520KK04229."438" \*RV+0"Egmmg o"6";89"gz0

*Uwmkmc"chŁpku*"Ogki gp."3:52+""

Xgnok" d flp " | a rcfqrcngctmvkem "o {egvqh<sup>a</sup>ip"<sup>f</sup>ftwj0"Lg"|cl|ocx<sup>2</sup>."flg"ug"jqlp "ej{v<sup>a</sup>"fq"  
uktwrqx ej"pgdq"rkxp|fej"rcuv|."mfg"d x<sup>a</sup>"pgljqlp l-|o"ftwjgo" gngfk"FXq "mqx<sup>a</sup>422: +0

gtpqw{|X"Rqk [8]"90KZ0/:0Z04229."3" \*DV+0"Jcteqxum "j dgy"]35\_<60XKK0/520KZ04229."6" \*DV+0"Jqtp"  
Rgtvqnkg"]38c\_<30/470XKK04229."4" \*DV+0"M flqxx "xtej"RT [23]"480Z04228/520KK04229."6" \*RV+0"Pqx<sup>2</sup>"  
O uvq"rqf"U o tmgo"]52c\_<450ZK0/:0ZK04227."3" \*RV+0"U o tm"]64f\_<450ZK0/30ZK04228."3" \*DV+="]64h\_<40/420  
XK04228."3" \* [ RV+0"TMrk "am"]69\_<390/490X04226."4" \*RV+="420X0/350XK04228."3" \* [ RV+=";0XKK0/30KZ04228."  
3" \* [ RV+="460KZ0/450ZK04228."3" \* [ RV+0"X<sup>a</sup>rgpp "xtej"RT"]73\_<520KK0/50X04229."3" \*RV+0"Xctvknexkg"  
pcf"Pkuw"]74\_<30XKK0/490XKK04228."3" \*DV+0"Egmmg o"43"gz0

*Suillia atricornis*"Ogki gp."3:52+

Nkvtg<sup>a</sup>tp"<sup>f</sup>Àfclg<" gtp"<sup>a</sup>Uvvpkge\*"Octvkpgm"3;96+0

D flp "rcngctmvkem "o {egvqh<sup>a</sup>ip"<sup>f</sup>ftwj"x{um{vwl|e"<sup>f</sup>ug"x"t |p ej"v{rgej"ngu "qf"p|flkp"cf"fq"  
jqt"\*Tqj<sup>a</sup> gm"3; :7+0

Dwmqxe"RT ]6e\_<360KZ04227."3" \*UY+0"Lgfnqx "f n RT"]38a\_<380XK0/80XKK04227."4" \* [ RV+="340XKK04227."  
4" \*UY+="80/4:0XKK04227."3" \* [ RV+="30/440KZ04227."33" \* [ RV+0"Mtukv<sup>a</sup>ppqx"]44\_<40KZ04228."3" \*UY+0"  
M flqxx "xtej"RT"]45\_<530X04226."3" \*UY+0"Nkdgtge/Xguge"]46\_<380XKK04226."3" .4" \*UY+0"Ocn<sup>a</sup>"Uvtcpc"  
RT"]47\_<40XKK04227."3" \*UY+0" Pc"MQd[ug [29]"480XKK0/480XKK04228."5" \*DV+="4;4:0XKK0/520XKK04228."  
3" \*RV+0"Qnf kejqxum"ugfnq"]53\_<370XKK04225."3" \*UY+0"Rncx { [32]"450XK04228."3" \*UY+0"Tblfleg [37]"<  
380XKK0/30KZ04227."3" \* [ RV+0"U o tm"]64h\_<40/420XK04228."3" \* [ RV+="420XK0/350XKK04228."9" \* [ RV+="  
460XKK0/450KZ04228."7" \* [ RV+0"TMrk "am"]69\_<70/3;0KZ04225."3" \* [ RV+="460KZ0/450ZK04228."3" \* [ RV+0"  
WM{ugmm{ ]6;\_<460XKK0/450KZ04228."3" \* [ RV+."3" \*OV+="450KZ0/330Z04228."9" \* [ RV+0"Egmmg o"76"gz0

*Suillia bicolor*"\gwgtuygv."3:5:+"

Nkvtg<sup>a</sup>tp"<sup>f</sup>Àfclg<" gtp"<sup>a</sup>Uvvpkge"Jqtp"<sup>f</sup> gtp"<sup>a</sup>Uvvpkge\*"Octvkpgm"3;96."3; :9c+0

Rcngctmvkem "o {egvqh<sup>a</sup>ip"<sup>f</sup>ftwj."x" T"lfgfp"|pgljqlp l-|ej"ftwj " gngfk0"X{x{vwl|g"ug"xcg"  
x-gej"pcf oq um ej"x -m<sup>a</sup>ej0"Xg"ud tgej"|g|mqwocp<sup>2</sup>jq"À|g|o"<sup>f</sup>pgljqlp l-|ftwj"tqfw0

Dñ "Rqyqm [3a]"380XK0/70XKK04227."4" \* [ RV+="3;0XKK0/60KZ04227."5" \* [ RV+0"Dwmqxe"RT [4a]"40/490  
KZ04225."7" \* [ RV+="450XK0/450XKK04227."4" \* [ RV+="450XKK0/330XKK04227."3" \* [ RV+="]6d\_<420XKK0/40  
KZ04225."4" \*OV+="]6e\_<360KZ0/90Z04227."3" \*RV+="3;0XK0/4;0XKK04228."5" \*RV+="4;0XKK0/530XKK04228."  
4" \*RV+0"Dwqxc [5]"30XK04227."3" \*UY+0" gtpqw{|X"Rqk [8]"90KZ0/:0Z04229."3" \*DV+="460KX0/360X04229."  
3" \*RV+0"Hqlvgem "o qm cf"RR"]33\_<3;0XK04225."5" \*UY+0"Jcteqxum "j dgy"]35\_<60XKK0/520KZ04229."34" "  
\*DV+0"Lgfnqx "f n"]38a\_<380XK0/80XKK04227."7" \* [ RV+="340XKK04227."4" \*UY+="4;0XKK0/430XKK04227."37" "  
\* [ RV+="30/440KZ04227."33" \* [ RV+0"Lk|gtmc [19a]"490X0/450XK04228."6" .4" \*RV+="450XK0/:0KZ04228."  
32" \*RV+0"Mq gpqx"]43\_<3;0XK04228."3" \*UY+0"Mtukv<sup>a</sup>ppx [22]"50KZ04227."3" \*UY+="40KZ04228."7" .5" "

\*U Y +0M fllqx "xtejg RT"j45\_<50/450XKK04228."4" \*RV+=480Z04228/520XKK04229."3" \*RV+0Nidgtge/Xguge"j46\_<90XKK04226."5" \*U Y +=380XKK04226."3" \*U Y +0Ogpf t{U o f"RT [27a]";<0KZ04226."3" \*U Y +0Pc"MQd"ug" [29]";<3;0XK0/4;0XKK04228."57" .:34" \*RV+=480XKK0/480XKK04228."53" \*DV+=4;0XKK0/520XKK04228."36" \*RV+=520XKK0/3;0Z04228."4" \*RV+0"Qnf kejqxum"ugfnq [31]";<50/390XKK04225."4" \* [RV+=390XKK0/40KZ04225."37" \* [RV+0]Rncx{"j52]";<450XKK04228."3" \*U Y +0Tc-gnlpk-v "Lk|gtm{"PRT"}j57c\_<0XKK04225."4" \* \*U Y +=j57d\_<70/4;0XKK04227."3" \*RV+=4;0XKK0/390XKK04227."3" \*RV+0Tc-gnlpk-v "Lk|gt{"PRT [36]";<490XK0/530XKK04228."9:" .:42" \*RV+0Tgl fieg [37]";<380XK0/70XKK04227."4" \* [RV+0Tfwfqhqs"j5;\_<520XKK04226."5" \*U Y +=90KZ04228."7" .:4" \*U Y +=360XKK0/440KZ04229."35" \*DV+=470XKK0/420XKK0422;."9:" \* \*DV+0T{d"l"qhw m{"RT [39]";<70/420XKK04225."3" .:3" \* [RV+0Ummgpc keg"j62\_<0KZ04226."3" \*U Y +0U o tm"j64d\_<350XKK0/50XKK04228."3" \*RV+=430XKK0/350XKK04228."5" \*RV+=j64e\_<430XKK0/350XKK04228."5" .:3" \*RV+=j64g\_<40/420XK04228."4" \*RV+=420XK0/350XKK04228."33" .:." \*RV+0j64h\_<40/420XK04228."34" \* [RV+=420XK0/350XKK04228."33" \*RV+=420XK0/350XKK04228."94" \* [RV+=350XKK0/50XKK04228.";" \* [RV+=350XKK0/50XKK04228."3" \*RV+=460XKK0/450KZ04228."32" \* [RV+0Tmqe x t{dpfm"j68\_<50KZ04226."4" \*U Y +0T"rk "m"j69\_<420XKK04225."4" \*U Y +=390XKK0/70KZ04225."5" \* [RV+=3;0KZ0/40Z04225."3" .:4" \* [RV+;"3" \*RV+=530XKK04226."4" \*U Y +=4;0XK04227."9" \*U Y +=4;0XK0/4;0XK04227."9" \*RV+=4;0XKK04227."3" \*U Y +=490XKK0/4;0XKK04227."3" \*RV+=70KZ04228."5" \*U Y +=30/460KZ04228."3" \* [RV+=460KZ0/450ZK04228."3" \* [RV+0W"m{ugm"}j6;\_<40/420XK04228."8" \* [RV+=350XKK0/50XKK04228."6" \* [RV+=460XKK0/320ZK04228."4" \*OV+0Egmg o"839"gz0"

Uwknkc"t cxc"Ogki gp."3:52+

Nkvtg"tp"Åfclg< gtp"Uvwfpkeg"Octvpgm"3;96+0

Jqlp "rcngctmvkem "o {egvqh"i p"ftwj."mvgt "ug"x-cn"pkmfg"pgx {um{vwlg"o cuqx 0X"p"flkp"ej" c"uv gfp"ej"pcf oq um ej"x -m"ej."fq"jqtum ej"rqnj"rtqpkm"ur"l-g"p"jqfp ."pg o" |fg" r qf o"p m" |rtq"tq| xql"Octvpgm"3;96+0"

Dn "Rqvqm [3a]";<380XK0/70XKK04227."3" \* [RV+0Dwmqxe"RT"j6c\_<40/490KZ04225."3" \* [RV+0]Ocn"Uvtcpe" RT [25]";<40XKK04227."3" \*U Y +0Qnf kejqxum"ugfnq"j53]";<3;0XK0/50XKK04225."4" \* [RV+=50/390XKK04225."3" \* [RV+0Rqngfpm"j55\_<4;0XKK0/70Z04226."3" \*OV+0Tc-gnlpk-v "Lk|gt{"PRT"}j58]";<40/490KZ04225."4" \* [RV+;"3" \*OV+0T"rk "m"j69\_<50/390XKK04225."3" \* [RV+0Viej"m" f"m"RR [48]";<50/4;0XKK04226."3" \*OV+0Egmg o"34"gz0

Uwknkc"t cxkhtqpu" \gvygtuvfv."3:5:+

Nkvtg"tp"Åfclg< gtp"Uvwfpkeg"Octvpgm"3;96+0

Jqlp "rcngctmvkem "dqtgqcnrkpp"ftwj"Octvpgm"3;8;.:3;93+0Lgjq"jqlp "x um{v"pc"tc-g/nkpk-v"ej" c"r kftwfgp ej"dkvqrgej"ux f "q"lgjq"v{thqElnk"7Tqj" gm"3;.:7+0Xg"ungfqxcp"2" qdncuvk"ftwj "pgljqlp l-"|"auvwreg"tqfw0R guvqflg"lg" c|gp"m"o {egvqh"i p"o"ftwj o"Oct/vkpgm" ("Dctv"m"4223="Fqx "mqx"/Octuqx"gv"cn0"4228+.;7" "gzg o rn" d{nq"ej {egpq"fq" rtqgkpx ej"rcu"l" Fqur nek"ug"x {um{vqxcn" d jg o"egn"2jq" xg i gvc pljq"qdfqd"u"oczko go" x" fwdpw"cfll" gtxpwl

Cndtgejvkeg"xLk|gtum ej"jqt"ej [1]";<30ZK04228/3;0KX04229."4" \*RV+0Dwmqxe"RT"j6c\_<70/380X04225."3" \* [RV+=j6d\_<90XK04226."32" \*U Y +=490XK04226."6" \*U Y +=440XK04227."3" \*U Y +=j6e\_<4;0XKK0/390KZ04226."4" \*RV+=390KZ0/70Z04226."3" \*RV+=450XKK0/330XKK04227."3" \*RV+=330XKK0/360KZ04227."5" \*RV+=360KZ0/90Z04227."4" \*RV+=490Z04227/30X04228."6" \*RV+=30/490X04228."5" \*RV+=4;0XKK0/530XKK04228."5" \*RV+=530XKK0/3;0Z04228.";" \*RV+=3;0Z04228/3;0KX04229."3" \*RV+=3;0X04229."8" \*RV+=3;0X0/380XK04229."4" \*DV+0 gtp"jqt c"j8d\_<80X0/40XK04226."3" \* [RV+;"4" \*OV+=3;0Z04228/390KX04229."6" \*RV+0 gtp"m" f m [7]";<30ZK04228/3;0KX04229."3" \*RV+0J ctequm "j dgy"j35\_<330XKK0/420KZ04228/350XK04229."9" \*RV+0Lgfnqx "f n"RT [18a]";<380XK0/80XKK04227."3" \*OV+=370Z04229/420KX0422;."3" \*RV+=j3;dl]";<370Z04229/420KX0422;.:89" \*RV+0Lk|gtmc"j3;c\_<0KZ0/3;0Z04228."9" \*RV+=3;0Z04228/3;0KX04229."49" \*RV+=3;0KX0/3;0X04229."4" \*RV+=j3;d\_<320XKK04225."4" \*U Y +0j3;f\_<4;0ZK04228/3;0KX04229."35" \*RV+=3;0Z04228/390KX04229."4" \*RV+0Mag qx"2"uqwm{"RT"j42\_<3;0Z04228/390KX04229."64" \*RV+0Mtkuv"pqx" [22]";<40KZ04228."3" \*U Y +0Nidgtge/Xguge"j46\_<90XKK04226."4" \*U Y +0Ocn"Uvtcpe"RT"j47\_<0XK04226."



3" \*U Y += 30ZK04228/3; 0XK04229."4" \*RV += 0" P c" Mq d {ng} j4; < 30/490X04228." : " \*RV += 490X0/3; 0XK04228." : " \*RV += 3; 0XK0/4; 0XK04228."6" \*RV += 480XKXK0/480XKXK04228."3" \*DV += 4; 0XKXK0/520XKXK04228."63" \*RV += 520XKXK0/3; 0Z04228."3; " \*RV += 3; 0Z04228/3; 0XK04229." : " \*RV += 3; 0XK0/3; 0X04229."359" \*RV += 0" T c - gnkpk - v " Lk | gtm { "PRT" j57 c\_ < ; 0XKXK04225."4" . "3" \*U Y += j57 d\_ < 50/3; 0X04227."5" \* [ RV += 3; 0X0/50XK04227."4" " \*RV += 50/380XK04227."3" \*RV += 0" T c - gnkpk - v " Lk | gtm { "PRT" j58 < 3; 0Z04228/3; 0XK04229."3" : " \*RV += 3; 0XK0/3; 0 X04229." : " \*RV += 490XK04228."4" \*U Y += 0" T w f qnhqx j5; < 90XZ04228."3" \*U Y += 0" T { d } nqw m { "RT" j5; < 320/480 XK04225."3" \*O V += 0" U o fexc [41] < 30ZK04228/390XK04229."34" \*RV += 0" U o tm { j6a } < 450XZ0/ : 0ZK04227."3" " \*RV += : 0ZK04227/330XK04228."3" \*RV += 0" Uqw - j65 < 30ZK04228/390XK04229."6" \*RV += 0" Uv gfp { "Lk | gtm " j dgy " [45a] < 30ZK04228/3; 0XK04229."9" \*RV += j67 d\_ < 30ZK04228/3; 0XK04229."3" \*RV += 0" rk a m j69 < 440XK04225."3" " \*U Y += 40/340XK04226."3" \* [ RV += 530XKXK04226."3" \*U Y += 0" Vlej a a { mc "RR" j6; < 70XK04225."4" \*U Y += 80X0/40 XK04226."34" \*O V += 40/470XK04226."8" \*O V += 520XKXK0/360XKXK04226."3" \*O V += 360/4; 0XKXK04226."3" " \*O V += 70/4; 0Z04226."3" \*O V += 0" X e n c x f m q x c " U w f a p m c [50] < 30ZK04228/3; 0XK04229."3" \*RV += 0" { cfp } mqrge " [53] < 3; 0Z04228/390XK04229."5" \*RV += 0" Egnmg o "782"gzl

*Suillia fuscicornis* \* \ gwgtuwfv."3: 69+

Nkvt a tp { "A fclg < " gtp a "Uwvfpkge" \*Ocvtkpgm"3; 96+0

Xgn o k'd flp "rcngctmvkem " o { egvqh a ip } ftwj 0" Gwt { gmp } . | glo " r xqfp "ugxgtum "ftwj."mygt " ug'r k | r uqdkn - kt - { } o r qf o ipm a o " \*Ocvtkpgm"3; 8; +0" X " pkl - fej " rqnqj a ej " lg " fxqwi gpgtc p { . " xg'x { - { } ej ' e jncfp l - fej " dkqygrgej " o a r txc f r qf qdp " lg f p w " i gpgtcek ' u " xtejqng o ' x um { vw " pc' r qf | ko . x " | a { " cfl " nkuvqr cfw " Tqj a gm " 3; : 7+0

Dwmqxe "RT" j6c\_ < 3; 0XK04227."4" \*U Y += 450XKXK0/330XKXK04227."5" \* [ RV += ] j6d\_ < 420XKXK0/40XZ04225."7" \* [ RV += ] j6e\_ < 360XZ04227." : " \*DV += 0" J cteq xum " j dgy j35 < 60XKXK0/520XZ04229." : " \*DV += 490Z0/490 ZKX04229."4" \*RV += 0" J glpkge [14] < 0XK04227."3" \*U Y += 0" Lgfnqx " f n " RT [18a] < 340XKXK04227."35" \*U Y += 4; 0XKXK0/430XKXK04227."5" \* [ RV += 30/440XZ04227."3" \* [ RV += 0" Mtkuv a pqx j44 < 40XZ04228."32" \*U Y += 0" M flfx " xtej " RT [23] < 530X04226."3" \*U Y += 0" Octk a pumqj qtm a dqwf { [26] < 370Z04227."3" \*U Y += 0" P c " Mq d { ng " [29] < 480XKXK0/480XKXK04228."8; " \*DV += 520XKXK0/3; 0Z04228."5" \*RV += 0" Rnecx { [32] < 450XK04228."4" \*U Y += 0" Rqngfp m { j55 < 380XZ0/70Z04226."3" \*RV += 0" T c - gnkpk - v " Lk | gtm { [35a] < ; 0XKXK04225."3" \*U Y += 0" T w f qnhqx [38] < 520XKXK04226."3" \*U Y += 360XKXK0/440XZ04229."7; " \*DV += 0" T { d } nqw m { [39] < 70/420XKXK04225."3" \*O V += 40/490XZ04225."3" \* [ RV += 0" U m gpc keg [40] < ; 0XZ04226."5" \*U Y += 0" U o tm { j64 f\_ < 450XZ0/30ZK04228."4" " \*DV += j64h\_ < 420XK0/350XKXK04228."3" \* [ RV += 350XKXK0/50XKXK04228."3" \* [ RV += 50/460XKXK04228."5" \* [ RV += 460XKXK0/450XZ04228."6" \* [ RV += 0" rk a m j69 < 420XKXK04225."3" \*U Y += 50/390XKXK04225."3" \* [ RV += 390XKXK0/70 KZ04225."7" \* [ RV += 70/3; 0XZ04225."5" \* [ RV += 50XZ04226."4" \*U Y += 350XK0/70XKXK04228."3" \* [ RV += 4; 0XKXK0/30XZ04228."6" \* [ RV += 30/460XZ04228."3" \* [ RV += 460XZ0/450ZK04228."3" \* [ RV += 0" W " M { ugm } { j6; < 460XKXK0/450XZ04228."4" \* [ RV += 0" Egnmg o "463"gzl

*Suillia humilis* \* Ogi gp."3: 52+

Nkvt a tp { "A fclg < " gtp a "Uwvfpkge" \*Ocvtkpgm"3; 96+1cmq "S. inornata" Nqgy."3: 840

D flp "rcngctmvkem " o { egvqh a ip } ftwj 'x { um { vw l fe } ug' jqlp lk'x' jqtum ej " rqnqj a ej " \*Ocvtkpgm" 3; 93."3; 95."3; 96+0

Dwmqxe "RT" j6c\_ < 450XKXK0/330XKXK04227."3" \* [ RV += ] j6d\_ < 420XKXK04225."3" . "4" \*U Y += j6e\_ < 530XKXK0/3: 0 Z04228."3" \*RV += 390XZ0/70Z04226."3" \*RV += 70/4; 0Z04226."4" \*RV += 0" J cteq xum " j dgy j35 < 60XKXK0/520 KZ04229."7" \*DV += 0" Lk | gtm c [19a] < 450XK0/ ; 0XZ04228."5" \*RV += ; 0XZ0/3; 0Z04228."3" \*RV += 0" Mtkuv a pqx [22] < 40XZ04228." : " \*U Y += 0" P c " Mq d { ng } j4; < 3; 0XK0/4; 0XK04228."6" \*RV += 480XKXK0/480XKXK04228."363" \*DV += 4; 0XKXK0/520XKXK04228."33" \*RV += 520XKXK0/3; 0Z04228."3" \*RV += 0" P qx a O uvq' r qf ' U o tm g o ]52c\_ < 450XZ0/4: 0 Z04226."5" \*RV += 4; 0Z0/330XZ04226."3" \*RV += j52 f\_ < 30ZK04228/520XKXK04229."5" \*RV += 0" Qnf ke j q xum " ugfnq " [31] < 390XKXK0/40XZ04225."4" \* [ RV += 0" Rqngfp m { j55 < 360/520XKXK04226."3" \* [ RV += 520XKXK0/360XKXK04226."3" " \*O V += 360/4; 0XKXK04226."3" \*O V += "3" \* [ RV += 380XZ0/70Z04226."4" \* [ RV += 70/4; 0Z04226."4" \*RV += 0" T eurg / pexc [34a] < 480Z04228/520XKXK04229."7" \*RV += 0" T c - gnkpk - v " Lk | gtm { "PRT" j58 < 40/490XZ04225."4" \* [ RV += 490X0/530 XKXK04228."3" . "4" \*RV += 0" T w f qnhqx [38] < 520XKXK04226."6" \*U Y += 360XKXK0/440XZ04229." : " \*DV += 0" U o tm { [42a] < 350XKXK0/50XKXK04228."3" \*RV += "3" \*O V += 460XKXK0/450XZ04228."4" \*RV += j64d\_ < 350XKXK0/50XKXK04228."3" " \* [ RV += "3" . "3" \*RV += 50/460XKXK04228."5" . "38" \*RV += 460XKXK0/450XZ04228."3" \*RV += j64e\_ < 460XKXK0/450

KZ04228."3" \*RV+=**164f** <450KZ0/30ZK04228."5" \*DV+=**164h** <450KZ0/0ZK04227."3" \*RV+=420XK0/350XKK04228."6" \* [ RV+=350XKK0/50XKK04228."5" \* [ RV+=460XKK0/450KZ04228.";" \* [ RV+=450KZ0/30ZK04228."4" \* \*RV+=30ZK04228/520KXK04229."4" \*RV+=**rk** **a**m**169** <390XKK0/70KZ04225."3" \* [ RV+=50KZ04226."4" \*U Y +=40/440Z04226."3" \*RV+=440Z0/40ZK04226."9" \*RV+=440XKK0/70Z04227."4" \*RV+=;0XKK0/30KZ04228."4" \* [ RV+=70KZ04228."3" \*U Y +=460KZ0/450ZK04228."3" \* [ RV+."3" \*RV+=**Vke** **a** **mcRR** **[48]** <470XK0/360XKK04226."3" \* [ RV+=**W**M**{ugm**{**16**}\_<340KZ04228."3" \*U Y +=450KZ0/30ZK04228."4" \*RV+=**E**gmg o"4;8'gz0

*Suillia imberbis*"E | gtp{."3;46"

\ **f**mc**ud**f**tcp** "gxtqrum "ftwj"u"pg|p<sup>a</sup> o qw"dkqnqikf0""

**Qnf** **ke**j**qxum**<sup>a</sup>**ugfnq****[31]** <70Z04227."3" \*U Y +=**U** o **tm****164f** <450KZ0/30ZK04228."3" \*DV+=**164h** <460XKK0/450KZ04228."4" \*RV+=**rk** **a**m**169** <3;0XKK0/360KZ04226."4" \* [ RV+=**W**M**{ugm**{**16**}\_<340KZ04228."6" \*U Y +=460XKK0/450KZ04228."4" \*RV+=450KZ0/30ZK04228."4" \*OV+."3" \* [ RV+=**E**gmg o"37'gz0

*Suillia laevifrons*"\*Nqgy."3:84+""

Nkvt<sup>a</sup>**tp**Åfclg< gtp<sup>a</sup>Uwfpkæg."Jqtpf" gtp<sup>a</sup>Uwfpkæg."Mctnqx."Oczqx."Rqwdp ."Vcxpfn"\*Ocvkpgm"3;96."3;9c."d+0

Rcngctmvkem " o {egvqh<sup>a</sup> ipf|ftwj."lgfgp"|pgljqlp l-|ej"|"tqfw"*Suillia*0"Ur|f-g"ejncfpq o knp "ftwj" x {--|ej" rqnqj."cng" x {um{vwlg"ug" k" x" p|flkp<sup>a</sup>ej" fcngmq" qf" ngup|ej" hqt o ce" \*Ocvkpgm" 3;96+0

**D**n **R**qv**m****[5c** <380XK0/70XKK04227."3" \* [ RV+=**D**mw**qxge****RT****16e** <4;0XKK0/530XKK04228."3" \*RV+=**Lk**|g**tm** **[3]**; **d** <0XKK04225."4" \*U Y +=**Pc****Mqd**{**ng**}[**4**]; <480XK0/480XKK04228."3" \*DV+=**Tgl**f**leg** **[37]** <380XK0/70XKK04227."4" \* [ RV+=**U** o **tm****164h** <50/460XKK04228."4" \*RV+=**Vke** **a** **mcRR** **[48]** <470XK0/360XKK04226."4" \* [ RV+=**E**gmg o"33'gz0

*Suillia nemorum*"\*Ogki gp."3:52+""

Nkvt<sup>a</sup>**tp**Åfclg< gtp<sup>a</sup>Uwfpkæg"\*Ocvkpgm"3;96+0

kf glk"udf|tcp "jqnctmvkem " o {egvqh<sup>a</sup> ipf|ftwj" x {um{vwl|e|ug"r gfgx-|o" x" jqtum ej" qdncu/ vgej" \*Ocvkpgm" 3;93."3;96+0"

**gtp**<sup>a</sup>**j**q**tc** **[6a]** <360/520XKK04226."3" . "3" \* [ RV+=360/4;0XKK04226."3" \*OV+=4;0XKK0/380KZ04226."4" \* [ RV+=**Lk**|g**tm** **[3]**; **d** <0XKK04225."3" \*U Y +=**Mtkuv**<sup>a</sup>**px** **[22]** <40KZ04228."3" \*U Y +=**O**ct<sup>a</sup>**pum**j**q**t**um**<sup>2</sup>**d**q**w**f {**26**} <370Z04227."3" \*U Y +=**Pc****Mqd**{**ng**}[**4**]; <3;0XK0/4;0XK04228."3" \*RV+=470XK0/480XKK04228."3;:" \*DV+=520XKK0/3;0Z04228."3" \*RV+=**Rqg**f**pfm****[55]** <470XK0/360XKK04226."4" \* [ RV+=360/4;0XKK04226."3" \* [ RV+=4;0XKK0/70Z04226."3" \* [ RV+=**Tc**-**gnl**pk-v **Lk**|g**tm**{ **PRT** **[35a]** <0XKK04225."4" . "3" \*U Y +=**[57d]** <70/4;0XKK04227."9" . "4" \* [ RV+=4;0XKK0/390XKK04227."3" \* [ RV+=30/440KZ04227."3" \* [ RV+=480XKK0/480XKK04228."34" \*DV+=**Tc**-**gnl**pk-v **Lk**|g**t**{**PRT****[58]** <40/490KZ04225."3" \* [ RV+=90Z04227."3" \*U Y +=**T**wf**q**nh**q****[38]** <90KZ04228."3" \*U Y +=360XKK0/440KZ04229."5" \*DV+=**T**{**d**}**n**q**w** **m**{**RT** **[39]** <420XKK0/40KZ04225."3" \* [ RV+=**U** o **tm****164c** <430XK0/50XKK04228."6" \* [ RV+=50/460XKK04228."3" \* [ RV+=460XKK0/450KZ04228."3" . "5" \*RV+=**164d** <350XK0/50XKK04228.";" \* [ RV+=50/460XKK04228."3" \*RV+=**164e** <430XK0/350XKK04228."3" \*RV+=**E**gmg o"477'gz0

*Suillia notata*"\*Ogki gp."3:52+

Nkvt<sup>a</sup>**tp**Åfclg< gtp<sup>a</sup>Uwfpkæg"\*Ocvkpgm"3;96+0

\ <sup>a</sup>rcfqrncngctmvkem " o {egvqh<sup>a</sup> ipf|ftwj}0"Ocvkpgm"\*3;96+wf<sup>a</sup>x<sup>a</sup> . flg"lfg"q"vgrnq o knp "lkfp"ftwj."mygt "rtqpk<sup>a</sup>"Rqncdumqw"p|flkpqw" cfl"fq"qm|f|—uv"pcf"Ncdg o 0"R guvqflg"lfg" x" T"q" |f|mc|ud|f|tcp "ftwj."xg"ud tgej"|g|m|mqw o cp<sup>2</sup>jq"À|g o f|ug" x {um{vqxcn"egmg o" jqlp 0"Uv|pl" lcmq"quvcvp" o {egvqh<sup>a</sup> ipf|ftwj"|"tqfw"*Suillia*"ug" cuvq"ej" v<sup>a</sup>"fq"rxp|ej" rcuvf0"

**gtp**q**wu**{**X**"**R**q**n** **[8]** <360XK0/30XKK04229."7" \*OV+=**J**cteq**xum** " **j** dg**v****[35]** <60XKK0/520KZ04229."5" \*DV+=490Z0/490ZK04229."3" \*RV+=**N**kdgt**ge**/**X**g**ge** **[24]** <380XKK04226."3" \*U Y +=**Pc****Mqd**{**ng**}[**4**]; <480XKK0/480XKK04228."3" \*DV+=**T**wf**q**nh**q****[38]** <90KZ04228."3" \*U Y +=360XKK0/440KZ04229."7" \*DV+=**U** o **tm****164h** <

460XKKK0/450KZ04228."32" \* [ RV+:"350XKK0/50XKKK04228."3" \* [ RV+0<sup>m</sup>rk "am"]69\_<70/3;0KZ04225."3" \* [ RV+:"3;0KZ0/40Z04225."3" \* [ RV+0<sup>m</sup>Viej "a" f mcRR [48]<520XKK0/360XKKK04226."3" \* OV+0<sup>m</sup>WM{ugmm{"j6;\_<340KZ04228."4" \*UY+0<sup>m</sup>Egmg o "87"gzl

*Suillia oldenbergii*\*E|gtp{."3;26+

\ fmc"udf|tcp "rcngctmvkem "h{vqh<sup>a</sup> ip" ftwj."flx{e"ug" x j qpm{"dg|w" gtp<sup>2</sup>jq"\**Sambucus nigra*+\*Octvkpgm"3;95+0<sup>m</sup>Xg" |mqw o cp<sup>2</sup>qdcuuk" |c|pc o gp<sup>2</sup>p"lgp"lgfkp "gzg o rn<sup>a</sup> 0

Cndtgejvkeg"xLk|gtum ej"jq<sup>t</sup>ej [1]<30ZK04228/3;0KX04229."3" \*RV+0

*Suillia pallida*\*Hcm<sup>2</sup>p."3;42+

Nkvtg<sup>t</sup>tp<sup>f</sup>Áfclg< gtp<sup>a</sup>Uvwfpkeg\*Octvkpgm"3;96+0<sup>m</sup>

Xgn o k"jq<sup>p</sup> | " | a rcfqrcngctmvkem " o {egvqh<sup>a</sup> ip" ftwj0<sup>m</sup>

Dñ "Rqvm [3a]<4;0XKK0/3;0XKKK04227."4" \* [ RV+0<sup>m</sup>Dwmqxe"RT"]6e\_<3;0XK04227."3" \*UY+0<sup>m</sup>J qtp<sup>f</sup>Rgtvq/ vkeg [16a]<30XK04227."3" \*UY+0<sup>m</sup>Lgfñqx " f nRT [18a]<340XKK04227."4" \*UY+:"30ZK04228/390KX04229."3" \*RV+0<sup>m</sup>Mtkuvk<sup>a</sup>pxx"j44\_<40KZ04228."3" \*UY+0<sup>m</sup>Oca<sup>m</sup>Uvtepc"RT [25]<40XKKK04227."3" \*UY+0<sup>m</sup>Pc"Mqd{ng"j4;\_<480XKK0/480XKKK04228."54" \*DV+:"520XKK0/3;0Z04228."3" \*RV+0<sup>m</sup>Pqxx<sup>2</sup>O uvq<sup>r</sup>rf"U o tmg o "j52e\_<450KZ0/:"0 ZK04227."5" \*RV+:"j52f\_<30ZK04228/520KXK04229."3" \*RV+0<sup>m</sup>Rncx{ [32]<450XK04228."3" \*UY+0<sup>m</sup>Tcrgpexc [34a]<480Z04228/520KXK04229."7" \*RV+0<sup>m</sup>Tglfkeg [37]<50XK04226."4" \*UY+:"470X0/380XK04227."8" \*RV+:"380XK0/70XKK04227."3" \*RV+:"30/440KZ04227."3" \* [ RV+0<sup>m</sup>Umgpc keg [40]<:"0KZ04226."3" \*UY+0<sup>m</sup>U o tm"j64f\_<450KZ0/30ZK04228."3" \*DV+:"j64h\_<40/420XK04228."7" \* [ RV+:"420XK0/350XKK04228."8" \* [ RV+:"350XKK0/50 XKKK04228."3" \* [ RV+:"460XKK0/450KZ04228."7" \* [ RV+0<sup>m</sup>rk "am"]69\_<70/3;0KZ04225."3" \* [ RV+:"40/440Z04226."3" \*RV+:"460KZ0/450KZ04228."3" \* [ RV+0<sup>m</sup>Viej "a" f mcRR [48]<70/4;0Z04226."3" \* [ RV+0<sup>m</sup>WM{ugmm{"j6;\_<450KZ0/330Z04228."3" \* [ RV+0<sup>m</sup>X<sup>a</sup>rgpp "xtej"RT"]73\_<480Z04228/520KXK04229."4" \*RV+0<sup>m</sup>Xtvcukcxkeg"pcf" Pkuqw"j74\_<330XKK04227."4" \*UY+:"470XKKK04228."4" \*UY+:"370Z04228."36" \*UY+0<sup>m</sup>ncv<sup>a</sup>"Qng-pkeg [54]<50XK04226."3" \*UY+0<sup>m</sup>Egmg o "329"gzl

*Suillia parva*\*Nqgy."3;84+

kf glk"udf|tcp "rcngctmvkem " o {egvqh<sup>a</sup> ip" ftwj0<sup>m</sup>

Dwmqxe"RT"]6e\_<530XKKK0/3;0Z04228."3" \*RV+0<sup>m</sup>J cteqxum " j dgy"j33]<490ZK04229/40X0422:."4" \*RV+0<sup>m</sup>Twfñqhx [38]<470XKK0/420XKKK0422:."3" \*DV+0<sup>m</sup>WM{ugmm{"j6;\_<450KZ0/330Z04228."3" \* [ RV+0<sup>m</sup>Egmg o "7"gzl

*Suillia quadrilineata*"E|gtp{."3;46"\*\*\*\*\*

Rcngctmvkem ." | glo "dqtgqcrkpp"ftwj."udf|tcp "lgp"qlgfkp ng0\ r uqd"flxqvc"pgpp" | p<sup>a</sup> o 0<sup>m</sup> Octvkpgm"3; :4+"w f<sup>a</sup> x<sup>a</sup> .fig"lfg"q"ngup"ftwj"flk{e"vcm<sup>2</sup>"xg"uv{pw"mqng o "lgum{pp{ej"xejqf 0<sup>m</sup>

Dwmqxe"RT"]6e\_<360KZ04227."3" \*UY+:"360KZ0/90Z04227."4" \*RV+:"530XKKK0/3;0Z04228."3" \*RV+0<sup>m</sup>Lgfñqx " f nRT [18a]<3;0/520X04227."3" \* [ RV+0<sup>m</sup>Lk|gtmc"j3;c\_<490X0/450XK04228."3" \*RV+:";0KZ0/3;0Z04228."6" \*RV+0<sup>m</sup>Tc-gñpk-v "Lk|gtf" PRT [36]<490X0/530XKKK04228."6" \*RV+0<sup>m</sup>U o tm"j64g\_<450KZ0/30ZK04228."8" ."6" \*RV+:"j64h\_<420XK04228."3" \*UY+:"450KZ0/:"0ZK04227."6" \*RV+0<sup>m</sup>WM{ugmm{"j6;\_<450KZ0/30ZK04228."3" \*RV+0<sup>m</sup>Egmg o "52"gzl

*Suillia similis*\*Ogki gp."3:5:+

Urqtcfkem{udf|tcp "gxtqrum "ftwj"u"pg|p<sup>a</sup> o qw"dkqñqik0<sup>m</sup>

Dñ "Rqvm [3a]<60/450KZ04227."4" \*RV+0<sup>m</sup>Ht fncpv [12]<50XKKK04226."3" \*UY+0<sup>m</sup>M flqx "xtej RT"]45\_<3;0XKKK0/60KZ04227."3" \*RV+0<sup>m</sup>U o tm"j64h\_<460XKKK0/450KZ04228."3" \*RV+0<sup>m</sup>rk "am"]69\_<4;0XKKK0/70Z04227."3" \*RV+0<sup>m</sup>Egmg o "8"gzl

*Suillia umbratica*\*Ogki gp."3:5:+\*\*\*\*\*

Rqo tp "d flp " | a rcfqrcngctmvkem "ucrtqh<sup>a</sup> ip" c" o {egvqh<sup>a</sup> ip" ftwj" x {um{vw{e"ug"ur{f-g" xg"x{--{ej"rqñj<sup>a</sup>ej0"\*\*\*\*\*

**gtpqwu{/X"Rqk [8]**<360XK0/30XKK04229."3" \*OV+ Jcteqxum "j dgv"]35<330Z04228/350KX04229."9" \*RV+=  
60XKK0/520KZ04229."35" \*DV+=490ZK04229/40X04222.:5" \*RV+0"lk|gtmc"]3;e.<4;0ZK04228/50X04229."3" "  
\*RV+0" M flqX "xtej RT"]45.<480Z04228/520KK04229."3" \*RV+0" Pqx2" O uvq"rqf"U o tmg o "J52c.<4;0Z0/330  
ZK04226."9" \* [RV+=]J52f.<30ZK04228/520KK04229."4" \*RV+0" Qnf lejqxum2"ugfnq"]3]3"<450ZK04228/520  
KK04229."3" \*RV+0" Teurgpexc [34a]"4480Z04228/520KK04229."3" \*RV+0"U o tm"]64h.<330X0/40XK04228."3" \* [RV+=  
40/420XK04228."5" .3" \* [RV+=50/460XKK04228."4" \*RV+."4" \* [RV+=460XKK0/450KZ04228."3" \* [RV+=  
450KZ0/30ZK04228."3" \*RV+=30ZK04228/520KK04229."3" \*RV+=520KK0/50X04229."3" \*RV+0"Uv gfp"]Lk|gtum "  
j dgv"]67c.<30ZK04228/3;0KX04229."3" \*RV+0"mrk "m"]69.<4;0KX0/390X04226."3" \* [RV+=440Z0/40ZK04226."  
3" \*RV+=350XK0/70XK04228."3" \* [RV+=70KZ04228."3" \*RV+=450ZK04228/520KK04229."7" \*RV+0"W]M{ugm {"  
[49]"<40/420XK04228."3" \* [RV+=450KZ0/30ZK04228."5" \*RV+=30ZK04228/520KK04229."74" \*RV+0"X" rggp "  
xtej"RT"]73.<480Z04228/520KK04229."4" .3" \*RV+0"Egmg o"33;"gzl

*Suillia univittata* \*xqpTqugt."3:62+

RqW|g"nkvtg"tp"]À fcl" gtp""Uvvpfkeg\*Ocvkpkm"3:96+0  
kf glk"udf|tcp "gxtqrum "vgrnq o knp "h{vqh" ipf"ftwj0"fikxp ok"tquvnpkpc ok"luqw" gupgmqkvx2"  
\*cmkcecg+.r k"r g o p q f g p p" o f l g" | r u q d q x c v - m q f" | p c" e k d w n k" c" g u p g m w 0

*Suillia ustulata*\*Ogki gp."3:52+""

kf glk"udf|tcp "|a rcfrcngctmvkem "ftwj."o {egvqh" ipf" c" h{vqh" ipf"0}Hgttct" \*3; :9+"wx" a f"ll  
x xql" xg" m o g p k" d g | w" \*Sambucus"ur r 0+"c" uvqp m w" j x | f p k e g" \*Aster"ur r 0+0"  
Dwmqxge"RT"]j6c.<40/490KZ04225."3" \* [RV+0

*Suillia vaginata*\*Nqgy."3:84+

\ |fmc"udf|tcp "rcngctmvkem "o {egvqh" ipf"ftwj"flkl"e"lx"ejncfp ej"ngu"ej0"  
Lgfngx "f"n"RT [18a]"<380XK0/80XKK04227."3" \* [RV+=30/440KZ04227."3" \* [RV+0" Pc" Mqd" ng"]4; <480XKK0/480  
XKK04228."52" \*DV+=520XKK0/3;0Z04228."5" \*RV+0"W]M{ugm {"j6;"<40/420XK04228."3" \* [RV+0"U o tm"]64h.<  
460XKK0/450KZ04228."3" \* [RV+0" Twfqlhx [38]"<60XKK0/440KZ04229."5" \*DV+0"Egmg o"62"gzl

*Suillia variegata*\*Nqgy."3:84+""

Rcngctmvkem ".o {egvqh" ipf" c" h{vqh" ipf"ftwj0}Hgttct" \*3; :9+"wx" a f"ll x xql" xg" m o g p k" d g | w"  
(Sambucus"ur r 0+"c" uvqp m w" j x | f p k e g" \*Aster"ur r 0+0"Vgt o q Lnp"ftwj."mvgt "lg" x" T"rqxcflqx" a p"  
|c" x | a e p .cng" p c r 0" x" q m q n" Rtcj { "lg" r q o t p "jqlp " \*L0" Rtgkngt." pgrwdn0" Afclg+0" X" T"lg"  
udf|t" a p" x" vgrn ej" p f l k p" a e j .cng" | c | p" a" u g - | k v" p c" u g x g t" \*Ocvkpkm"4223+0

**gtpqwu{/X"Rqk [8]**<470XK0/390XKK04229."3" \*OV+

*Heteromyza oculata*"Hcnn2p."3:42+""

Egmg o" d flp "jqncctmvkem "ucrtqha" ipf."mqrtqha" ipf" c" o {egvqh" ipf"ftwj0"  
Cndtgejvkeg"x"lk|gtum ej"jt" a e j [1]"<530XKK0/30ZK04228."5" \*RV+0" Jcteqxum "j dgv"]35.<80Z0/50ZK04229."  
3" \*RV+0" Lk|gtmc [19a]"<0KX0/3;0Z04228."3" \*RV+0" Teurgpexc [36a]"<480Z04228/520KK04229."4" \*RV+0"  
W]M{ugm {"149]"<450KZ0/30ZK04228."35" \*RV+0"Egmg o"42"gzl

*Heteromyza rotundicornis*\*\gvvgtuvgf v."3:68+""

D flp "gxtqrum "ucrtqha" ipf" c" mqrtqha" ipf" e j n c f p q o k n p " f t w j 0" "" "" "" "" "" "" "" "" "" "" ""  
Dwmqxge"RT"]j6c.<3;0KX0/3;0X04229."3" \*RV+0" Jcteqxum "j dgv"]35.<330Z04228/350KX04229."3;" \*RV+=  
490ZK04229/40X04222.:32" \*RV+0" Lgfngx "f"n"RT"]3;d.<370Z04229/420KX04222.:3" \*RV+0" M flqX "xtej"RT"  
[23]"<480Z04228/520KK04229."3" .:." \*RV+0" Pqx2" O uvq"rqf"U o tmg o "J52f.<30ZK04228/520KK04229."4" "  
\*RV+0" Tc-gnkp-k-v "Lk|gt {"PRT [36]"<3;0KX0/3;0X04229."4" \*RV+0" U o tm"]64d.<50/460XKK04228."3" \*RV+=]64h.<  
520KK0/50X04229."6" \*RV+0" mrk "m"]69.<450ZK04228/520KK04229."9" \*RV+0" W]M{ugm {"149]"<450KZ0/30ZK04228."  
5" \*RV+0" X" rggp "xtej"RT"]73.<480Z04228/520KK04229."3" \*RV+0"Egmg o"82"gzl

Vgrjtqejnc o {u} tcxkrgru\* \gvgtugfv. 3: 5: +"

Xgnok'd flp "gxtqrum ucrtqh<sup>a</sup> ip||" c" o {egvqh<sup>a</sup> ip||" gwt {gmp||" ftwj<sup>0</sup> Xg" ungfqxc<sup>2</sup> o "À |g o ||" d {n" ej {v<sup>a</sup> p<sup>r</sup> gr<sup>a</sup> flp "fq" rtqvgkpx ej "rcuv||" 0

Cadtgejvæg<sup>x</sup> Lk|gtum ej "jqt<sup>a</sup> ej [1] < 530XKKK0/30ZK04228.99" \*RV+0 "Dwmqxe<sup>RT</sup> [16e] < 4: 0XKKK0/390ZK04226.4" \*RV+4; 0XKKK0/530XKKK04228.3" \*RV+0 "gtpqwu{/X/Rqk [8] < 460XK0/360X04229.4" \*RV+90KZ0/: 0Z04229.5" \*DV+0 "Jcteqxum "j dgv" [35] < 330Z04228/350KX04229.46" \*RV+60XKKK0/520KZ04229.3" \*DV+80/490Z04229.46" \*RV+490Z0/490ZKK04229.4" \*RV+490ZKK04229/40X0422.5" \*RV+0 "Jqt||" cupleg [39] < 460X0/4: 0XK04229.3" \*RV+0 "Lgfngx "f n" RT" [3: c] < 370Z04229/420KX0422.3" \*RV+3: 3: d < 370Z04229/420KX0422.3" \*RV+490Z0/490ZKK04229.4" \*RV+490ZKK04229/40X0422.5" \*RV+0 "Jqt||" cupleg [39] < 460X0/4: 0XK04229.3" \*RV+0 "Lk|gtmc [19a] < 0KZ0/3: 0Z04228.7" \*RV+3; 0KX0/3; 0X04229.5" \*RV+0 "Mtkvk<sup>a</sup> ppx" [22] < 40KZ04228.3" .3" \*UY+0 "M flq<sup>x</sup> "xtej" RT" [45] < 380KX0/3; 0X04227.3" \*RV+480Z04228/520KX04229.3" .9: " \*RV+0 "Pc" Mqd [ng] < 520XKKK0/3: 0Z04228.6" \*RV+3; 0KX0/3; 0X04229.6" \*RV+0 "Pqx<sup>2</sup> O uvq" rq||" U o tmg o " [52] f < 30ZK04228/520KXK04229.3" \*RV+0 "Teurgpxc" [36a] < 480Z04228/520KXK04229.46" \*RV+0 "Tc-gnkpk-v "Lk|gt" [PRT [36] < 490X0/530XKKK04228.3" .3" \*RV+3; 0KX0/3; 0X04229.5" .5" \*RV+0 "Tglfk/eg" [39] < 470X0/380X04227.3" \*RV+0 "U o tm" [64e] < 40/430XK04228.3" \*RV+430XK0/350XKK04228.4" \*RV+460XKKK0/450KZ04228.3" \*RV+450KZ0/30ZK04228.8" \*RV+30ZK04228/520KXK04229.3" \*RV+520KXK0/50X04229.6" .3" \*RV+0 "Trk "m" [69] < 360KZ0/40Z04226.4" \*RV+4; 0X0/4: 0XK04227.52" \*RV+30KZ0/460KZ04228.5" \*RV+460KZ0/450KZ04228.3" .75" \*RV+0 "W" M {ugm} [16] < 460XKKK0/450KZ04228.32" \*RV+450KZ0/30ZK04228.68" \*RV+0 "X" rgpp "xtej" RT" [73] < 480Z04228/520KXK04229.38" \*RV+390XKKK0/40Z04229.43" " \*RV+0 "Xtevkucxæg" pcf "Pluq [52] < 40/440X04228.6" \*RV+0 "Egngm o " 6; 3" gzl

Vgrjtqejnc o {u} twLxgpytku\* Okgi gp. 3: 52+ "

Nkvt<sup>a</sup> tp||" À fclg < gtp<sup>a</sup> Uvvpkæg \* Octvkpgm 3; 96+ 0

Xgnok' d flp .r xqfp "jqctm<sup>v</sup> kem .ucrtqh<sup>a</sup> ip||. "pgmtqh<sup>a</sup> ip||" c" mqrtqh<sup>a</sup> ip||" ftwj<sup>0</sup> X" |ko " c" cup<sup>2</sup> o "lc g"lg" cuv "pc" qmpgej<sup>a</sup> ej n<sup>2</sup> x "k" d {v " \* Octvkpgm 3; 98+ 0" X" ungfqxc<sup>2</sup> o "À |g o ||" ej {v<sup>a</sup> p<sup>r</sup> rqw |g"fq" rtqvgkpx ej "rcuv||. "eq||" qfrqx||" f<sup>a</sup> "lgj q" pgmtqh<sup>a</sup> i k k 0

Dwmqxe [6e] < 3; 0KX0/3; 0X04229.3" \*RV+0 "Jcteqxum "j dgv" [35] < 490ZKK04229/40X0422.4" .5" \*RV+0 "Lgfngx "f n" RT" [3: c] < 370Z04229/420KX0422.5" \*RV+3: 3: d < 370Z04229/420KX0422.4" \*RV+0 "Lk|gtmc" [19a] < 0KZ0/3: 0Z04228.5" \*RV+0 "M flq<sup>x</sup> "xtej" RT" [45] < 480Z04228/520KXK04229.6" \*RV+0 "Pc" Mqd [ng] [29] < 520XKKK0/3: 0Z04228.3" .4" \*RV+0 "Teurgpxc" [36a] < 480Z04228/520KXK04229.5" .6" \*RV+0 "Twfqhx [38] < 90KZ04228.3" \*UY+0 "U o tm" [64d] < 430XK0/350XKK04228.4" .3" \*RV+350XKK0/50XKKK04228.4" \*RV+460XKKK0/450KZ04228.3" .8" \*RV+450KZ0/30ZK04228.3" .6" \*RV+460KZ0/30ZK04228.5" \*RV+0 "Trk "m" [49] < 30/460KZ04228.3" \*RV+0 "W" M {ugm} [16] < 450KZ0/30ZK04228.3" .3: " \*RV+0 "Egngm o " 8: " gzl

Tephrochlamys tarsalis\* \gvgtugfv. 3: 69+ "

Nkvt<sup>a</sup> tp||" À fclg < Oczqx \* Octvkpgm 3; ; 9d+ 0

D flp "gxtqrum "rqn {h<sup>a</sup> ip||" c||" pgmtqh<sup>a</sup> ip||" ftwj<sup>0</sup> x {--"ej" rqnj<sup>0</sup> Rq | uvvgm" ugxgtum<sup>2</sup> "hcup {." x {um {vwlg" ug" cup "pc" lc g" c" rq | f "pc" rq | k o " \* Octvkpgm 3; ; 8+ 0

Jcteqxum "j dgv" [35] < 330Z04228/350KX04229.3" \*RV+80Z0/50ZK04229.3" \*RV+490Z0/490ZKK04229.4" " \*RV+490ZKK04229/40X0422.6" \*RV+0 "M flq<sup>x</sup> "xtej" RT" [45] < 480Z04228/520KXK04229.67" \*RV+0 "Teurgpxc" [34a] < 480Z04228/520KXK04229.33" \*RV+0 "U o fexc" [63] < 3: 0Z04228/390KX04229.3" \*RV+0 "W" M {ugm} [16] < 450KZ0/30ZK04228.4" \*RV+520KXK0/50X04229.3" \*RV+0 "X" rgpp "xtej" RT" [73] < 480Z04228/520KXK04229.33" \*RV+0 "Egngm o " 9; " gzl

\ jqfpqegp||" x ungf m

Pc" 76" jncxp||" ej "hqmcnk<sup>a</sup> ej "x" Lk|gtum ej "jqt<sup>a</sup> ej "c" pc" Ht fncpvmw<sup>d</sup> {nq" x" ngvgej" 42246422. " o gvqfc ok" o cuqx ej "rcuv||" \*RV+. "rkxp||" ej "rcuv||" \*DV+. "Ocncukugj q" rcuv||" \*OV+. "flnwv ej "okugm" \* [RV+. "uo {m " \*UY+ "c" kpfkxkfw<sup>a</sup> np||" j q" ud tw" xg" -vqn<sup>a</sup> ej " \*FR+ "qfej {egp" c" fgvgt okpqx<sup>a</sup> pq" egngm o " 43": 58" lgf kpe " ngf k" Jnggq o { |kfcg" 75" ftwj . "eq||" r g f uvcxwlg" 85" ' "hcup {." gum<sup>2</sup>



tgrwrdnk{ "c"87" " hcw{ " gejo Pgljqlp lk |cuqwrp ok"ftwj { "d{n{ "Pgqngtk"twLecwfc \*7"3:4"gz0."4:"nqmcnk+."Heleomyza captiosa"\*975"gz0."48"nqmcnk+."Suillia bicolor"\*839"gz0."48"nqmcnk+."Heleomyza serrata"\*;37"gz0."47"nqmcnk+."Scolioentra brachypterna"3"39:"gz0."46"nqmcnk+."Uwkmkc"t cxkhtqpu"\*782"gz0."46"nqmcnk+0"X gvp "ftwjw"Suillia univittata."wx"af p<sup>2</sup>jq" Octvkmgo o"3;96+|" gtp<sup>2</sup>Uvwf pkeg."cng"x"t"ae"ok" |fg"rtglgpvqcp<sup>2</sup>jq"x |mwow"pgrqvx|g/p<sup>2</sup>jq."lg"x"uqw cup<sup>2</sup>fqd |p"o"q" |g" |mqwocp<sup>2</sup>qdcuk"76"ftwj " gngfk"Jgngqo { |kfcg0

Pcrtquv<sup>a</sup>x v-kpc"ocvgtk<sup>a</sup>nw"\*;7" " +d{nc" |um<sup>a</sup>pc"rqoqe"p<sup>a</sup>xpcfqx ej"rcuv"RV."DV." [RV"rqnfpgp<sup>2</sup>"pc"jppqk+0"V okvq"rcuok"d{nq" |<sup>a</sup>txqg "qfej"egpq"36"ftwj ".mvg<sup>2</sup>"pgd{n" mncukem ok"ogvqfcok" |cej"egp{"\*Borboropsis puberula, Heleomyza setulosa, H. serrata."Pgqngtk"t cxkhtqpu."P0"twLegru."Ueqnkegsvtc"dtcej"rvgtpc."U0"eqmnpk."U0"uewvymctku." Oldenbergiella brumalis, O. calcarifera, Suillia oldenbergii, Heteromyza oculata, H. rotundicornis, Tephrochlamys tarsalis+0

X v-kpc"ftwj "o {evqh<sup>a</sup>ip"jq"tqfw"Suillia"d{nc"jqlp "ej{v<sup>a</sup>pc"fq"rkxp"ej"rcuv" |cv"oeq" |quvcvp"fej"tqf "d{nq"fqv" ejvq"rcuv"ej{egpq"rqw|g"p mqnkm"gzgo rn<sup>a</sup> "ftwjw"trophrochla- o {u"t cxkrqu0"Uvglpqw" |mw-gpquv"wpknc"Fxq<sup>a</sup>mqx<sup>a</sup>"\*422:+"ug"uktwrqx ok"rcuok0"lg"o qfl/ p<sup>2</sup>."flg"fqur nek"tqfw"Suillia"ug"flkx"pcmx-cgp ok"-<sup>a</sup>xcok."qrtqvk" |<sup>a</sup>uwre o"lkp ej"tqf ." mvg" |x {jngf<sup>a</sup>xcl"uvglp<sup>2</sup>flkx<sup>2</sup>uwduvt<sup>a</sup>v {"lcmq"nctx {"\*Fxq<sup>a</sup>mqx<sup>a</sup>"422:+"} \ "vqjqvq"rqjngfw"lg" |cl"ocx "ocukxp" x um{v"ftwjw"Uwkmkc"t cxkhtqpu"x"rtqvgkpx ej"rcuvej."eqf"d{"oqjng" wmc|qxcv"pc"lgjq"pgmtqh<sup>a</sup>ikk0

X"rqf|gop"fej"rtquvt<sup>a</sup>ej"\*uvct ej"f np"ej"-vqn<sup>a</sup>ej+d{nq" |cej"egpq"r v"ftwj <"Heleo- myza captiosa"\*34"gz0+."H. modesta"\*3"gz0+."Scolioentra brachypterna"\*:"gz0+."S. villosa \*49"gz0+c"Ecceptomera pallescens"\*7;"gz0+0"Mtqo "ftwjw"Heleomyza modesta."mvg<sup>2</sup> "d x<sup>a</sup> ej{v<sup>a</sup>p"x"rqf|gop"fej"rtquvt<sup>a</sup>ej"lgp"qd cup ."ug"lgf<sup>a</sup>q"mcxgtpkmqnp"ftwj {0"p"rtqvk"vqow" ftwj {"Gymnomus amplicornis, G. caesius, G. spectabilis, Heleomyza serrata, Scolioentra scutellaris c Ecceptomera obscura."mvg<sup>2</sup>"luqw"tqxp fl"mcxgtpkmqnp" |d{n{"xg" |mqwocp<sup>2</sup> o" A|go" |cej"egp{"rqw|g"xg"xqp<sup>2</sup>r "ftqf 0

Ftwj"Scolioentra collini."mvg<sup>2</sup> "d{n"pgf<sup>a</sup>xpq"qjn<sup>a</sup>-gp"lcmq"pqx "rtq" gumqw"tgrwrdnkwm" \*Fxq<sup>a</sup>mqx<sup>a</sup>" ("Rtgkngt"4229+."d{n"x"pc-g o"x |mwow" |lk-v p"pc"v gej"fcn-fej"nqmcnk<sup>a</sup>ej0" Lfg"q"ftwj<sup>2</sup>"rqvxt|gp" x um{vw"x" T0

Quo" |pcng|gp ej"ftwj "lg"pqx ej"rtq"ugxgtp" gej {0"Luqw"vq"Gymnomus spectabilis, Heleomyza setulosa, Scolioentra collini, S. scutellaris, Oldenbergiella brumalis, O. cal- califera, Suillia quadrilineata c S. vaginata.

X"eg"pgfl"rqnxkpc"pcng|gp ej"ftwj "lg"ejncfpqokmp ej." |vqjq Gymnomus caesius, Jgngqo { |c"ugt<sup>a</sup>evc."Ueqnkegsvtc"eqphwuc."U0"t cxqguvcegc."U0"uewvymctku."Uwkmkc"t cxkhtqpu." S. quadrilineata c Tephrochlamys tarsalis luqw"ftwj {"dqtgqncrkpp" Octvkgpm"3;8;."3;93." 3; ;8+0"X |<sup>a</sup>ep "ftwj"trophrochlamys puberula"lg"ctmvqncrkpp" Tqj<sup>a</sup> gm"3; ;9+0"D{n"pcng|gp {" vcn<sup>2</sup>"v k"vgrnqokmp<sup>2</sup>ftwj {"Pgqngtk"t cxkhtqpu."Uwkmkc"pqvcv" c S. variegata0" Ftwj"Suillia univittata."wx"af p "rtq"uwvqcxcpqw"qdcuv"x"nkvgtcvw g."lg"tqxp fl"vgrnqokmp 0"X-gejp {"v"vq" ftwj {"luqw"rqxclfx<sup>a</sup>p {" |c"x |<sup>a</sup>ep<sup>2</sup>."pgdq" d{n"fquw"ud"tcp<sup>2</sup>"lgp"urqtcfkem {0"Heleomyza setulosa"lg"pglx |<sup>a</sup>ep l-fo"ftwjgo" gngfk"Jgngqo { |kfcg" |cej"egp o"xg"uwvqcxcp<sup>2</sup>qdcuvk0" Lg" |c|tpw"x" gtxgp<sup>2</sup>o"ug|pcow"dg|dqtcvn ej" gum<sup>2</sup>"tgrwrdnk {"\*Octvkgpm" ("Dctv<sup>a</sup>m"4227+" x"mcvgiqtkt"qj"tqflgp "\*GP+0"X" gum<sup>2</sup>"tgrwrdnk"gd{n" |c|pcogp<sup>a</sup>p"vgrtxg"rqv gvl."fquw" d{nk" |" gej" |p"o" |lgp"lgfpqnx" |lgf"pk<sup>a</sup>xk" |r gjngf"ftwj +0"R gmxcrkx "d{n"vqpvq"ftwj"xg" |mqw/ oc<sup>2</sup>qdcuvk"ej{v<sup>a</sup>pc"quok"nqmcnk<sup>a</sup>ej."egnmgo"xg"54"gzgo rn<sup>a</sup> "fej0

\cl|o c x<sup>a</sup> l g<sup>a</sup> u g | >> p p f { p c o k m c " x u m { v w } p g l c u v l k " e j { v c p e j " v " f t w j " t q f w " N e o l e - r i a l " F t w j " P g q n g t k c " t w L e c w f c " d { n " u d f t a p " r g x a f l p " x " l c t p o " q d f q d " u " o c z k o g o " x " k k k 0 6 X 0 . " N . i n s c r i p t a " x " n g v p o " q d f q d " \* X K 0 6 X K K K 0 + " c " P 0 " t w L e g r u " p c " r q f | k o " \* K Z 0 6 Z K 0 + 0

R g u v q f l g " u t x p a x a p " l g f p q v n k x e j " n q m c n k v l g " x | j n g f g o " m t l p 2 " o g v q f k e g " c " k p v p g | k v " u d t " k " q d f q d " g z r q | k e g " r c u v " | p c p " r t q d n g o c v k e m 2 . " n | g " | c " f t w j q x " p g l d j c v - " q | p c k v " n q m c n k v { " W " M { u g n m { " ] 6 ; \_ \* 5 6 " f t w j + . " T M r k " a m " ] 6 9 \_ \* 5 4 " f t w j + . " J c t e q x u m " j d g v " ] 3 5 \_ \* 4 ; " f t w j + . " L g f n q x " f n " R T " ] 3 : c \_ \* 4 : " f t w j + " c " D w m q x g e " ] 6 \_ \* 4 : " f t w j + 0 " P g l e g p p l - " | j n g f k u m c " x u m { v w " n c p f l m q x k v e j " l u q w " n q m c n k v { " W " M { u g n m { " ] 6 ; \_ \* 5 6 " f t w j . " 3 2 " x | a e p e j + . " T M r k " a m " ] 6 9 \_ \* 5 4 " f t w / j . " 3 2 " x | a e p e j + . " J c t e q x u m " j d g v " ] 3 5 \_ \* 4 ; " f t w j . " 3 2 " x | a e p e j + " c " L g f n q x " f n " R T " ] 3 : c \_ \* 4 : " f t w j . ; " x | a e p e j + 0 " R q t q x p a o g / n k " f t w j q x 2 " u r g m y t w o " n g g f k " J n g g o o { | k f c g " x " l k | g t u m e j " j q t a e j " c " p e " H t f n c p v u m w " u " q u v c p p o k " m q o r n g z p p o k " x | m w o { " f x q w m " f n e j " u t q x p c v g n p " x g n / m e j " q d n c u v " o " D T " R a n c x c " 5 6 " f t w j \* O c t v k p g m 3 ; ; ; + . " D " n k p u m q " 6 ; " f t w j \* O c t v k p g m ( " D e t v a m " 4 2 2 3 + . " P R " R q f { | " 7 ; " f t w j \* F x q a m q x a / O c t u q x a " g v " c n 0 " 4 2 2 8 + . " l f g " q " x | u q m " r q g v " f t w j 0

R q f m q x a p " V w v q r t e k " x p w l g o g r c o a v e g " F q e 0 " k p i 0 " X n c f k u n c x c " O c t v k p m c . " E U e l " \* 3 ; 4 8 / 4 2 2 7 + . " p c - g j q r " g f p f j q " f k r v g t q n i c " c " u r g e k c n k v " p c " n g " J n g g o o { | k f c g . " m v g t 2 o w " l u o g " | c x a | a p k " | c " e g p p 2 " t c f { . " r q u m { v p w v " n k v g t c w t { " c " u t q x p a x e f j q " o c v g t k a n w 0 " F m w l g o g v c m 2 " C p f t | g l k " Y q p l e q x k " Y t q e n c y + " | c " f g v t o k p c e k " r t q d n g o c v k e m e j " l g f i p e 0 " a t q x g " f m w l g o g m q n i q x k " R c x n w " X q p k m q x k | c " x g m m q w " r q o q e " l c m " x " v g t 2 p w . " v c m " r k " u g u v c x q a " p v j q v q " r f u r x m w 0

### NKVGT CVWTC

FXQ fMQXf "M0"4228< Jnggq o { |kfcg "Dg |k. "3; 330 "Kp< LGFNK MC "N0. UVNQWMCNQX f "X0" ( "M—FGNC "O0" \*gfu+< Checklist of Diptera of the Czech Republic and Slovakia0 "Gngvtqpk "xgtukp"30" jvr< |l |qqqi { |hpu0 wpkdcluml fkrvgtc< cpf "EF/TQO " \*KUDP " : 2 / ; 8 ; 8 4 ; / 2 / 8 + 0

FXQ fMQXf "M0 2008: Heleomyzidae and Lauxaniidae (Diptera: Brachycera: Acalyprata) trapped in the Czech Republic with syrup and fermented fruit. *Linzer Biol. Beitr.* 40: 507-515.

FXQ fMQXf "M0" ( "RTGKUNGT "L0"4229< "Hcwplwke "tgeqt fu "htq o "v j g "E | g e j "Tgrwdnke "o "4460" Fkrvgtc< J nggq / o { |kfcg0 "Klapetiana. "65< "9 : 0

FXQ fMQXf / O C T U K I Q X f " M 0 . " O C T V K P G M " X 0 . D C T V f M " O 0 ( " M W D " M " M 0 " 4 2 2 8 < J n g g o o { | k f c g . " r r 0 " 5 4 7 / 5 5 3 0 " k p < D C T V f M " O 0 ( " M W D " M " M 0 " \* g f u + < Diptera of Podyjí National Park and its Environs0 " gum a " | g o f num a " w p l x g t | k v c " x " R t c | g . " 6 5 4 " r r 0

HGTTCT "R0"3 ; : 9 < "Hc o k n { " J n g g o o { | k f c g 0 " C " i w k f g " v q " v j g " d t g g f k p i " j e d k v u " c p f " k o o c w t g " u v c i g u " q h " F k r v g t c " E { e n q / t c r j c 0 " Entomograph. : < 3 ; 7 / 3 ; : . 8 ; 5 / 8 ; 9 0

I Q T Q F M Q X " M 0 " D 0 " 3 ; 9 2 < J n g g o o { | k f c g . " r r 0 " 5 2 8 / 5 4 7 0 " k p < D G [ / D k G P M Q " I 0 " L 0 " \* g f u + < | Key to insects of the European part of the USSR. Xq n 0 " 7 \* 4 + 0 " P c w m c . " N g p k p i t c f " \* k p " T w u u k c p + 0

O C P U T F / X G M G P " O 0 " 3 ; ; < ; U e j g w / w p f " P c e m v l k i g p " \* F k r v g t c < J n g g o o { | k f c g . " V t k z q u e g n k f c g " g v " R u n k f c g + " c w u " f g o " M 3 n p g t " U v c f v i g d k g 0 " Decheniana-Beihefte. Dqpp. 53< "5 ; 9 / 6 2 6 0

O C T V K P G M " X 0 " 3 ; 8 ; < \ c l | o c x l - " f " f t w j { " f x q w m " f n 2 " j q " j o { | w " | " n g g f k " J n g q o { | k f c g \* F k r v g t c " o " C e c n { r t v c v + " x " M t m q p q - f e j 0 " O q t g " k p v g t g w k p i " U r g e g u " q h " V y q / y k p i " k p u g e w u h t q o " v j g " H c o k n { " J n g q o { | k f c g \* F k r v g t c " o " C e c / n { r t v c v + " k p " v j g " I k c p v " O q w p v c k p u " \* M t m q p q - g + 0 " Opera Corcontica. " 8 < " 7 3 / 9 7 " \* k p " E | g e j . " G p i n k u j " u w o o 0 + 0

O C T V K P G M " X 0 " 3 ; 9 3 < " R f u r x g m " m " r q | p a p f p m v g t e j " f x q w m " f n e j " \* F k r v g t c . C e c n { r t v c v + " x " q d n c u w " l k l p f e j " g e j 0 " \* C e q p r t d w k p v q " v j g " m p q v n g f i g " q h " u q o g " F k r v g t c \* C e c n { r t v c v + " k p " v j g " t i k p q " q h " u q w j g t p " D a j j o k o c l + " S b o r . L k j q g u 0 " O w / 0 " x " g u 0 " D w f l a x e f e j . " 3 3 . " U w r r n 0 " 3 < " 9 4 / ; 4 " \* k p " E | g e j . " G p i n k u j " u w o o 0 + 0

O C T V K P G M " X 0 " 3 ; 9 5 < " P a n g l { " | c l | o c x l - f e j " f t w j " f x q w m " f n e j " \* F k r v g t c + " x " q m q n " F q d t w - m { " c " x " r " a u o w " Q t n k e m e j " j q 0 " \* O q t g " k p v g t g w k p i " t g e q t f u " q h " v j g " F k r v g t c " k p " v j g " x k e k p v { " q h " F q d t w - m c " c p f " k p " v j g " Q t n k e m 2 " j q t { " O v u 0 + 0 " O r l i c k h o r y a P o d r l i c k o . " T { e j p q x " p c f " M p f l p q w . " 7 < " 5 4 / 7 : " \* k p " E | g e j . " G p i n k u j " u w o o 0 + 0

" O C T V K P G M " X 0 " 3 ; 9 6 < " P a x 2 " p a n g l { " f t w j " u m w r k p { " C e c n { r t v c v \* F k r v g t c + " x " u g x g t p f e j " c " u g x g t q x e j q f p f e j " g e j a e j 0 " \* O q t g " k p v g t g w k p i " u r g e g u " q h " v j g " i t q w r " C e c n { r t v c v \* F k r v g t c + " h t q o " p q v j g t p " c p f " p q v j g c w g t p " D a j j o k o c l + 0 " U d a t p 0 " U g x g t q g u 0 " O w / 0 . " R f 0 " X f f . " N i d t g t e . " 8 < " 3 7 3 / 3 9 7 " \* k p " E | g e j . " G p i n k u j " u w o o 0 + 0

OCTVKPGM'Xl'3; 98<'R fur xgm'm'rq|p'p'x um{vw'ftwj " gngf' J gngqo { |kfcg."Qrco { |kfcg."c'Ncwzcpkfcg' \*Fkrvtc."Cecna{ rvtcvc"x'qdcukv'Uv'vp' r |tqfp'|tg|gtxcg'Mqrg 0'Bohemia Centralis, Rtcjc, 7<'394/397' \*kp'E|gej+0

OCTVKPGM'Xl'3; : 2<'Pg y'qt'tctg'urkegu'qh'uq o'g'hc o'knkgu'qh'Fkrvtc'ó'Cecna{ rvtcvc'kp'v'jg'hcwpc'qh'v'jg" UUT'0' Fkrvtg'q'ikec'Dqjg o'qunqxcce."Xqnl'4. *Acta Univ. Carol., Biol.*, 3; 99<'565/5730

OCTVKPGM'Xl'3; : 4<'Fkueq'xtg' { 'qh'uq o'g'pg y'urkegu'qh'Fkrvtc'ó'Cecna{ rvtcvc'kp'v'jg'hcwpc'qh'E|gej qunqxcemkcl' *Folia Fac. Sci. Nat. Univ. Purkyn. Brun.*, 45, *Biol.*, 96<'97/: 30

OCTVKPGM'Xl'3; : 9<'c'Fen-'p'ng| { 'fxqwm ffn ej '\*Fkrvtc+'p mvg' ej " gngf'umwrfp{ 'Cecna{ rvtcvc'x'ugxgtp'fej' c'ugxgtq| 'a'rcfp'fej " gej 'a'ej'0'\*Hwtvjgt' Lp'fkpiu'qh' Fkrvtc'qh'uq o'g'hc o'knkgu'qh'v'jg' i'qtwr' Cecna{ rvtcvc'kp' pqtvjgtp'cpf'pqtvj y'ugwvtp'Dqjg o'kc+0'Udqtp'0'Ugxgtg' gud'0'ow/0.'R f'0'X f'f.'Nkdgtge."38<'3: 7/3; : \*kp'E|gej." Gpinkuj'uw o'0+0

OCTVKPGM'Xl'3; : 9<'d'R gngf'ftwj " gngf' J gngqo { |kfcg'\*Fkrvtc'ó'Cecna{ rvtcvc+'xg'ud'f'eg' j o { |w'p'a'q'fp'f'j'q' o'w|gc'x'Rtc|g'0'Uwtxg' { 'qh'uq o'g'pg y'urkegu'qh'v'jg'hc o'knkgu' J gngqo { |kfcg'\*Fkrvtc'ó'Cecna{ rvtcvc+'kp'eqmgevkqu'qh' v'jg'Gpvj o'q'q'ikecna'Frgct o'g'pv'qh'v'jg'Pcvkqpcn'0'wugw o'kp'Rtc iw g+0' cud'p'a'0'ow/0.' cfc'R |tqf'q'0.'378<' 58/64'\*kp'E|gej."Gpinkuj'uw o'0+0

OCTVKPGM'Xl'3; : 6<'Hwtvjgt'Lp'fkpiu'qh'pg y'urkegu'qh'Fkrvtc'ó'Cecna{ rvtcvc'qp'v'jg'v'g'tg'vtq' { "qh'E|gej q'U'q'nc/ m'c'c'p'f' p'q o'g'penc'w'w'c'n' eq'q'tg'ev'k'q'u'kp'uq o'g'urkegu."r r'0'; 7/324'0'kp'LG'FNK MC'0'0'g'f'0+<'Dipterologica Bohemoslovaca."Xqnl'8'0'U'q'xc'm'G'pvj o'q'q'ikecna'U'q'ev'g'f'."D'tc'v'k'nc'x'cl'

OCTVKPGM'Xl'3; : 8<'c' J gngqo { |kfcg'0'kp' " j o { | '\*Fkrvtc+'pc'ngup'f'ngw'g'x' Q'tnkem ej " j'qt'ej " x'ng'v'p' o' " c' r'q'f' |k' o'p'f' o' curgmw'0'\*Fkrvtg'w'u'kp'gevu'\*Fkrvtc+'kp'c'htqtuv' o'ge'f'q'y'kp'v'jg'Q'tnkem'2'0'vu'0'kp'uw o'g't'c'p'f'hc'm'c'ur'gevu'0' *Lesnicivl.*'64<'3; 5/434'\*kp'E|gej."Gpinkuj'uw o'0+0

"OCTVKPGM'Xl'3; : ; <' J gngqo { |kfcg'0'kp' TQ\MQ'p' T'0' ( 'XC JCTCL'0'g'fu+<'Fkrvtc'qh'v'jg'R'nc'xc'D'k'q'ur'j'g'tg' T'g'ug'x'qh'W'P'G'U'EQ'K'0'Folia Fac. Sci'0'Nath Univ'0' Masaryk'0' Brunl, Biol'.'322<'559/5630

OCTVKPGM'Xl'4223<'Pg y'qt'uecteg' Cecna{ rvtcvc'g' l'kgu'\*Fkrvtc+'h'q'wp'f'kp'v'jg'htqtuv'qh'v'jg'E|gej'cpf'U'q'xc'm' Tgrwd'k'eu'0' *Journal of Forest Science*, 69<'745/74: 0

OCTVKPGM'Xl'3; : (" DCTV fM'O'0'4223<' J gngqo { |kfcg'0'kp'DCTV fM'O'0' ( 'XC JCTCL'0'g'fu+<'Fkrvtc'kp'c'p' K'p'f'w'it'k'c'm' { 'C'h'g'ev'g'f' T'g' i'k'q'p' \*P'q'tvj / Y'ug'w'v'tp'Dqjg o'kc."D'nc'p'c'p'f' F'w'ej'eq'x'G'p'x'k't'q'u+<'K'0'0'Folia Fac. Sci'0' Nath Univ'0' Masaryk'0' Brunl, Biol'.'327<'623/6280

OCTVKPGM'Xl'3; (" DCTV fM'O'0'4227<' J gngqo { |kfcg'\*nc'p' f'm'q'x'k'f'."r r'0'564'0'kp'c'HCTMC' "L'0.'MT fN'F'0' (" M'Q'T'R' M'O'0'g'fu+<' g'xtgp' "ug|pc' o' q'j'tq'f'g' ej'ftwj " gum'2'tgrwd'k'nm'f'0'Dg|q'd't'c'v'f'0' T'g'f' "nkun' qh' threatened species in the Czech Republic. *Invertebrates*. C'ig'p'w'it'c'q'ej'c'tc'p' { ' r' |tq'f' { 'c'm't'c'l'k'p' { " T.'R't'c'j'c'." 982'r'r'\*kp'E|gej'c'p'f'G'pinkuj'0

OCTVKPGM'Xl'3; (" O'Q'E'G'M'D'0'3; : 7<'F'w'j' { 'p' m'v'g't' ej " gngf'f'fxqwm ffn ej '\*Fkrvtc.'Cecna{ rvtcvc+'x'g'p'v'q' o'q'q'ikem'2' ud'f'eg'0'ow|gc'x' ej'q'f'p'fej' " gej'x' J t'c'f'ek'M't'nx'2'0'U'g'urkegu'qh'uq o'g'hc o'knkgu'qh'Fkrvtc'ó'Cecna{ rvtcvc'kp' v'jg'kp'ugev'eq'm'ge'v'k'q'p'qh'v'jg'T'g' i'k'q'p'c'n' o'w'ugw o'c'v' J t'c'f'ek'M't'nx'2'+0'*Acta Mus. Reginae'hradecensis*, S. A., 46<'43/82'\*kp'E|gej."Gpinkuj'uw o'0+0

RCRR'N'0'3; : 3<' J gngqo { |kfcg'ó'V'A'um'2'uu' | "tp{ 'À'ng' i' { g'm'0'*Fauna Hungl.*'36; : 37\*4+<'3/99'\*kp' J'w'p'ic't'k'c'p+0

RCRR'N'0'3; : 4<'E'cx'g't'p'k'eq'q'w'u' f'krv'tc'q'h'v'jg' I'g'p'g'x'c'ó' o'w'ugw o'0'*Revue Suisse de Zoologie*, : <'9/440

RCRR'N'0'3; : 8<'U'g'ke'gu'qh'p'k'p'g' f'krv'tg'q'w'u'hc o'knkgu'qh'v'jg'D'w'm'm'p'c'v'k'q'p'c'n' r'c't'm'\*Fkrvtc+'."r r'0'649/6560'*The fauna of the Bukk National Park*, D'w'f'c'rg'uw'0

RCRR'N'0'3; : <'H'c o'knkgu'qh' J gngqo { |kfcg'."r r'0'647/677'0'kp'c'RCRR'N'0' ( ' F'CT'X'c'U'D'0'g'fu+<' *Contributions to a Manual of Palaearctic Diptera*."Xqnl'5'0'U'ek'g'p'eg' J'g't'c'n'f'."D'w'f'c'rg'uw'0

RCRR'N'0'3; (" Y'Q' P'K'EC'0'0'0'3; : 5<'C' t'g'x'k'uk'q'p'qh'v'jg'R'nc'g'ct'ev'k'ur'kegu'qh'I' o'p'q' o'w'u'N'q'g'y'\*Fkrvtc." J gngqo/ o { |kfcg'+0'*Acta Zool. Hungl.*'5; <'397/4320

RTWPGT'N'0'3; (" O' M'c'R'0'3; : 8<'U'g|pc' o'q'd'ef'c'lg'k'ej' " a'w'f'x' gum'2'tgrwd'k'eg'uw' f'un{ 'o'c'r'q'x' ej' r'q'f' r't'q'uf' q'x'2' o'c'r'q'x'p'f'hc'wp' { 0'\*N'k'v' q'h'ug'v'ng' o'g'p'u'kp'v'jg'E|gej' T'g'rd'w'k'e' y'k'v'j' c'u'q'ek'c'v'g'f' o'c'r' L'g'n'f'eq'f'g'u'q'ht'hc'w'p'k'uv'k'e' i'k't'f' o'c'r'k'p'i' 'u' { u'v'g' o'0'0' *Klapalekiana*."54\*U'w'r'rn+<'3/337'\*kp'E|gej."Gpinkuj'uw o'0+0

TQJ f' GM'0'3; : 7<'C'ecna{ r'v'g't'c'v'g'F'krv'tc'q'h'rg'c'v'd'q' i'u'kp'P'q'tvj' "O'q't'x'ic'\*E|gej q'un'q'xc'm'c'0'\*Fkrvtc'ó'Cecna{ rvtcvc' t'c-g'k'p'k- "ug'x'g't'p'f' O'q't'c' { \* UUT+." " a'w'9'0' J gngqo { |kfcg'+0' cud'U'ng'0'ow/0'Q'rc'xc'\*C+."56<'9/32: 0

TQJ f' GM'0'3; : 9<'D'q't'd'q't'g'r'uku'c'p'f' "Q'nf'g'p'd'g't' i'k'g'm'c' \*Fkrvtc." J gngqo { |kfcg+'kp'v'jg'E|gej'c'p'f'U'q'xc'm' T'g'rd'w' k'eu<'h'c'w'p'k'uv'k'e' t'g'e'q't'fu'c'p'f'p'q'v'g'q'p'v'jg'k't' d'k'q'ij' { 0'*Folia Fac. Sci. Nat. Univ. Masaryk. Brun., Biol.*, ; <' 367/3690

TQJ f' GM'0'3; (" DCTV fM'O'0'3; : <'U'q' o'g'hc o'knkgu'qh'Fkrvtc'ó'Cecna{ rvtcvc'qh'uk'z'rg'c'v'd'q' i'u'kp'v'jg'0'w' o'c'x'c'0'vu'0' \*U'Y'D'q'j'g'ok'."E|gej' T'g'rd'w'k'e'0' cud'U'ng'0'ow/0'Q'rc'xc'\*C+."6: <'347/3730

U| IW [ "G0" 3; 56< Fkrv2tgu+\*Dtcej[e2tgu+\*Owuekfcg" Cecn{rvgtcg" gv" Uecvqrjckifcg+0" Hcwpj" fg" Htcpeg." 4:0" R0"Ngejgxcnkt."Rctu."lx"-": 54"rr0

™GX ~ML0/4228<Fkrvgtc"cuuqekvcg"fykvj"hwpi"kp"vjg"E|gej"cpf"Unqxcm"Trwrndkeu0" cul0"Ung/0"Ow/0"Qrcxc"\*C+." 77."Uwrn0/4<3/:60"

XQPK MC'R0/422:<Gpivqoqniqem "x |mw0"Lk|gtum ej"jqt" c"Ht fncpvumc"x"ngvgej"4222/42290\*Gpivqoqniqekcn" uwtxg{"qh"vjg"Lk|gtum2"jqt{"Ovu"cpf"Ht fncpv"tgikqp"kp"4222/4229+0"Udqtp0"Ugxtg" gud"Ow/0."R f0"X ff." Nkdtge."48<5/34\*%\*E|gej."Gpiku"j"uw o o0+0

XQPK MC'R0 ("XK™ fM" T0/422:<"\ "mncfp"ejctcmvgtkuvkmc"|mqw o cp2"q"À|g0" Lk|gtum ej"jqt" c"Ht fncpvumc0" \*Ipgptc"ejctcevtgkuvkcu"qh"vjg"uwvf{"ctgc"kp"vjg"Lk|gtum2"jqt{"Ovu"cpf"Ht fncpv"tgikqp+0"Udqtp0"Ugxtg" gud" Ow/0."R f0"X ff."Nkdtge."48<35/55\*%\*E|gej."Gpiku"j"uw o o0+0

YGGNG" XCP" FGT" T0" 3; ; 8< Uq o p"pqvu" qp" J gngq o { |kpcg" eqmgev"gf" kp" J wpi ct { \*Fkrvgtc< J gngq o { |kfcg+0" Folia Ent. Hung., 79<4; 3/4; 50

YQ PKEC" C0" L0" 3; ; 5< Pgy" tgeqtfv"qh"vjg" Rqku"j" J gngq o { |kfcg\*Fkrvgtc+ ykvj"vczppq o ke"pqvu" qp"vjg"egpvtc" Gwtgrcp"hcwpc0"Annals of the Upper Silesian Museum, Entomology, 6<39;/3; 40

YQ PKEC" C0" L0/4226<Tgfguetkrvkqp"qh"Ueqnkqegpvtc\*Ngtkqnc<dtcej |rvgtpc\*Nqgy."3:95+\*Fkrvgtc< J gngq o { |k/ fcg+ ykvj" fguetkrvkqp"qh" c"pgy" urgek"u"htq o" Gwtgrg0"Polksie Pismo Entomologiczne, 95<549/55: 0

YQ PKEC" C0" L0/4228< I { o pq o wu"ecwecukewu."c"pgy" urgek"u"qh" j gngq o { |kf" kgu"htq o" Ecwecuwu" Oqwpvcpu" \*Fkrvgtc< J gngq o { |kfcg+0" Genus, 39<5; ; /62: 0

YQ PKEC" C0" L0/4229< J gngq o { |kfcg0" Kp<RCRG" V0" \*fgf0<"Fauna Europaea: Diptera, Brachycera0" Xgtukp" 30/50" Cxclacndg" qpnkpg" cv" jwr<1 y y0 hcwpcgw0tqi 0

### UWO OCT [

Cnvqigvgt"75"urgek"u"qh" J gngq o { |kfcg" ygtg" tgeqtf"gf" cv"76"nqecnkvgu"kp"vjg"Lk|gtum2" jqt {"Ovu"cpf"vjg"cfcegpv" Ht fncpv"tgikqp"kp"4224642290"Vjku"pw o dgt" o cmgu"wr"85 ' "qh"vjg"urgek"u"qh"vjg"hc o kn {" J gngq o { |kfcg" qeewttkpi"kp"vjg"E|gej" Tgrwrdnke" \*Fqx "amqx" a" 4228="Fqx "amqx" a" ("Rtgkungt"4229+0" Wukpi"ukz" o gvj"qfu" \*rtqvgkp" o" o gcv" vteru." dggt" vteru." Ocnckug"vteru." { gmqy" rcp"vteru."uy ggrkpi."cpf"kp"fkxkfwcn"eqmgev"kp i"kp i" cmngtkgu+."c"qvcn"qh" 430: 58"urgek o gpu"y cu"ecrvwtgf"cpf"fgvgt o kpgf0"Oquv"qh"vjg" o cvgtkc"n"zco kpgf"y cu" hqwpf" wukpi" dckvgf"vteru" \*rtqvgkp"vteru." dggt" vteru." { gmqy" rcp"vteru"ukwvcvgf"qp" o cpwtg+0" Hqwtvggp" urgek"u" \*Dqtdqtruku" rwdgtwnc." J gngq o { |c"ugvwnquc." J0"ugttcvc." Pqngtkc" t cxkeqtpku." P0" twLegru." Ueqnkqegpvtc" dtcej |rvgtpc." U0" eqnkp." U0" uewvgmnc"tku." Qnfgpdgt i kgnnc" dtw o cnku." O. calcarifera, Suillia oldenbergii, Heteromyza oculata, H. rotundicornis, Tephrochlamys tarsalis+ ygtg"ecrvwtgf" qpn {"wukpi" dckvgf"vteru0"Vjg" o clqtkv {"qh" o {egvqrjciqwu"urgek"u" qh"Suillia" ygtg" hqwpf" wukpi" dggt" vteru0" Hkxg"urgek"u" ygtg" tgeqtf"gf" kp" cdcpf"qpgf" i cmngtkgc" Heleomyza captiosa" \*34" urgek o gp+." H. modesta" \*3" urge0+." Scoliocentra brachypterna \* : "urge0+." S. villosa" \*49" urge0+." cpf" Ectoptomera pallescens" \*7; "urge0+0" Scoliocentra collini." tgegpv {"tgrqtvf"cu" c"pgy" urgek"u" hqt"vjg"E|gej" Tgrwrdnke" \*Fqx "amqx" a" ("Rtgkungt"4229+." y cu" hqwpf" cv"vj tgg" c f fkvkqpcn" hqecnkvgu"kp"vjg"uwvf {"ctgc0" Gki jv"urgek"u" \*Gymnomus spectabilis, Heleomyza setulosa, Scoliocentra collini, S. scutellaris, Oldenbergiella brumalis, O. calcarifera, Suillia quadrilineata cpf S. vaginata+ctg"tgrqtvf" hqt"vjg" Łtu"v"vk o g"htq o" pqt"vjgt" Dqjg okc0" I { opqowu"ecgukwu." J gngq o { |c"ugttcvc." Ueqnkqegpvtc" eqphwuc." U0" t cxqvguvcgc." U0" uewvgmnc"tku." Uwkknk." U0" swcftknkpgcvc." cpf Tephrochlamys tarsalis ctg" dqtgq/ cnrkpg" urgek"u" ugpuw" Octvkpgm" \*3; 8; ; 3; 93." 3; ; 8+0" Borboropsis puberula" ku" cp"ctevq/ cnrkpg" urgek"u" \*Tqj" a" gm" 3; ; 9+0" Vj tgg" vjgt o qr jknqwu" urgek"u" \*Pqngtkc" t cxkeqtpku." Uwkknk" pqv" cvc" cpf S. variegata+ ygtg"ecrvwtgf0" Heleomyza setulosa" ku" vjg" qpn {"urgek"u" hqwpf" fwtkpi" vjku" uwtxg {"y jkej" ku" kpenwfgf" kp"vjg" tgegpv" pcvkqpcn" tg f"nkuv" \*Octvkpgm" ("Dctv" a" m" 4227+0" Ugcucpcn" qeewttgpeg" qh" vj tgg" o quv"htgswgpvn {"eqmgev"gf" urgek"u" qh" vjg" i gpwu" Neolieria" ku" xgt {"kpvg/

tgukpi0"Pgqngtkc"twŁecwfc"ycu"eqmgevfg"oquvn{"kp"urtkpi"\*oczko wo "kp"KKK06X0+. "Neoleria  
inscripta"kp"uw o o gt"\*ocz0"XK06XKKK0+"cpf"Pgqngtkc"twŁegrucp"cwwo p"\*ocz0"KZ06ZK0+0  
Vjg"jki jguv"pw o dgt"qh"urgekgu"ycu"hwppf"cv"vjg"nqecnkvgu"W"m{"ugnm{"]6;\_\*56"urgekgu+."  
™rk<sup>a</sup>m"]69\_\*54"urgekgu+."Jcteqxum "j dgy"]35\_\*4;"urgekgu+."Lgfngx "f n"RT"]3:c\_\*4:"urg/  
ekgu+"cpf"Dwmqxe"RT"]6\_\*4:"urgekgu+."y jkej"kpenwfg"ygnm/rtgugtngx"hguguv"gequ{uvgo u."  
ykvj"oquv"rctvu"rtqvevfg"cu"pcwvtg"tgugtngxu0"kp"eq o rctkuqp"ykvj"qvjgt"eq o rngz"uwtxg{u"  
qh"Frvtgc"kp"vjg"eqwvpt{."vjg"pw o dgt"qh"urgekgu"ku"tgnvkvxgn{"jki j"o"vjg"R<sup>a</sup>ncxc"Dkqurjgtg"  
Tgugtngx"jquvu"56"urgekgu"\*Octvkpgm"3; ; ;+. "uwtqwpfkpiu"qh"D"nkpc"cpf"Fwejeqx"6;"urgekgu"  
\*Octvkpgm" ("Dctv<sup>a</sup>m"4223+. "cpf"vjg"Rqf{I{"Pcvkqpcn"Rctm"7;"urgekgu"\*Fqx<sup>a</sup>mqx<sup>a</sup>/Octuqx<sup>a</sup>"  
gv"cn0"4228+0"



