

**X ungf m{ "Gpvq o qnq ikem e j" f p "4227" ó" dtqwek" *Eqngqrvgtc+<
R fur xgm" m" r q| p" a p" h cwp{ "Df" c" Uv g f p{ j q" Rqxnvxc|**

**Tguvnu" qh" Gpvq o qnq ikem" Fc{ u" 4227" ó" dggvngu" *Eqngqrvgtc+<" Eqpvtkdvwkq p" vq"
v j g" mpq y n g f i g" qh" v j g" h cwp c" qh" v j g" Df f { " j k n u" c p f" v j g" Uv g f p" Rqxnvxc| " t g i k p**

Stanislav URBAN¹⁾ ("Rcxgn" XQPK MC²⁾ *gfu0+= \ fgp m" GTP ³⁾." Pqtdgtv" I ©TVNGT⁴⁾,
Lk "MQJ P⁵⁾." Rcxgn" OQTCXGE⁶⁾." Lk "PGfiGTMC⁷⁾." Lk "RNGE J f ⁸⁾, Milan RT TMCX⁹⁾,
Jaroslav T [TMCX ¹⁰⁾." Lcp" UE J PGKFGT¹¹⁾." Mctgn" UE J . P¹²⁾." Lctq o f" UVTGL GM¹³⁾,
Richard TMMQFC¹⁴⁾." Rcxgn" TMRT [CT¹⁵⁾." Cpvpq f p" TRMAL¹⁶⁾." Lcp" XQUGEM ¹⁷⁾
("Xnc f k o f t" XTCDE¹⁸⁾)

¹⁾Hkdkej qxc"53: "E \ /483"23"R {dte o =²⁾Ugxgtq gum" o w | g w o . " Ocucl {mqxc"33."
E \ /682"23"Nkdgtge"=³⁾O f tqxkeg"37." E \ /472"85" O t c v { p =⁴⁾P a o u v { O k p q t k v "4."
E \ /9; 6"23"Mtpqx"=⁵⁾Wp k q x u m^a "655165." E \ /9: 7"23"TMvgt pdgtm"=⁶⁾U r t^a x c" E J M Q" gum"²⁾
u v g f q j q { . " O k e j c n u m^a "482136." E \ /634"23"Nkv o k e g =⁷⁾F w m g n u m^a : "33." E \ /95; "83"V k p g e"8"=
⁸⁾E \ /729" : 4" R g e m c"45"=⁹⁾P c" X a r g p e g" : 34." E \ /68; "44" f i g n g | p " D t q f =¹⁰⁾R a i s o v a 1776,
E \ /5; 9"23"R { u g m =¹¹⁾N { r q x^a "37." E \ /342"22"R t c j c"4"=¹²⁾V a l d s t e j n s k á 2108,
E \ /658"23"Nkv x { p q x =¹³⁾O n^a f g f i p k e m^a "5." E \ /328"22"R t c j c"32"=¹⁴⁾G p g t i g v k m "748136."
E \ /682"23"Nkdgtge"6"=¹⁵⁾U r t^a x c" E J M Q" gum "m t c u . " E \ /489"3: "M c t n - v g l p" : 7"=
¹⁶⁾\ c" P g o q e p k e { "3283." E \ /486"23"U g f n c p { =¹⁷⁾U r q t v x p { "329." E \ /483"23"R { d t e o ="
¹⁸⁾M c v g f t c" | q q n q i k g . " gum^a | g o f n u m^a | w p k x g t | k v c . " E \ /387"43"R t c j c"8"ó" U w e j f q n

Hcwpkvku. "Eqngqrvgtc. "Df f { " j k n u . " U v g f p { Rqxnvxc| " t g i k p . " D q j o k e . " E | g e j " T g r w d n k e . " E g p v t c n " G w t q r g

Cduvtcew V j k u r c r g t " u w o o c t k | g u " v j g " t g e q t f u " q h " 7 : 8 " d g g v n g " u r g e k u " * E q n g q r v g t c + " h t q o " 55 " h c o k n k g u " e q m g e v g f " k p " v j g "
Df f { " j k n u " c p f " v j g " U v g f p { " R q x n v x c | " t g i k p " f w t k p i " v j g " ó G p v q o q n q i k e m " F c { u " 4227 ó " o g g v k p i " q h " v j g " E | g e j " G p v q o q n q i k e m "
U q e k g v { " q p " O c { " 49 / 4 ; . " 4227 ó " F c v c " q p " v j g " q e e w t t g p e g " q h " 67 " t g o c t m c d n g " d g g v n g " u r g e k u " c t g " d t k g l { " e q o o g p v g f i " V j g "
o q u v " | q q i g q i t e r j k e c m { " k o r q t v c p i " c p f " t c t g u v " u r g e k u " k f g p v k l g f " c t g " *Epaphius rivularis* * I { m g p j c n . " 3 : 32 + . *Sisyphus*
schaefferi (Linnaeus, 1758), *Aphtona nigricutis* Foudras, 1859, *Apion immune* Mkt d { " 3 : 2 : . *Acalles aubei* Boheman,
1837, and *Mogulones venedicus* (Weise, 1879).

—XQF

Xg" f p g e j " 490" c f l " 4 ; 0 X l 4227" w u r q^a f c n c " gum^a " u r q n g p q u v " g p v q o q n q i k e m^a " x g " u r q n w r t^a e k "
u " J q t p k e m o " o w | g g o " R { d t e o " c " u g " u q w j n c u g o " X q l g p u m e j " n g u " c " u v c v m " c " - l g | f p { j q " á c f w "
X q l g p u m² j q " Á l g | f w " D t f { " x " L k p e { e j " * f^a n g " l g p " š X - D õ + " G p v q o q n q i k e m² " f p { * f^a n g " l g p " š G F õ + "
p c " R { d t e o u m w " * U e j p g k f g t " g v " c n 0 " 4227 + 0 " M t q o " r q v g d { " c m v k x p " r u v q x c v " v w v q " x | p c o p q w "
a u v " f l k x q v c " U r q n g p q u v " d { n c " j n c x p { o " f x q f g o " r q^a f a p { " u p c j c " r k u r v " m " n g r - f o w " r q | p a p { "
g p v q o q h c w p { " v² v q " | c l f o c x² . " c n g " q r q o { l g p² " q d n c u v k 0 " R q | q t p q u v " d { n c " | c o g p c " p c " n q m c n k v { "
x " e g p v t^a n p { e j " D t f g e j " c " x " r { d t e o u m² o " U v g f p { o " R q x n v x c | }

C m q n k x " u g " v c v q " q d n c u v " p c e j^a | { " r q d n { f l " R t c j { " ó " p g l x | p c o p l - f j q " e g p v t c " gum² " g p v q o q n q i k e m "
ó " d { n c " f q u w f " u v t c p q w " u q w u v c x p² j q " u d t c v g n u m² j q " | a l o w 0 " P a n g | o " d t q w m " | g u v g f p { e j " D t f " | n g v "
3 ; 2 : / 3 ; 3 : " x p q x c n " u q w u v c x p l - f " r q | q t p q u v " r q w | g " T q w d c n " * 3 ; 42 . " 3 ; 43 . " 3 ; 44 . " 3 ; 46 c . d . " 3 ; 47 . "
3 ; 49 . " 3 ; 8 ; + j " | " q d n c u v k 0 " U v g f p { j q " R q x n v x c | " p^a o " p g p { | p^a o c " f a f p^a " u q w d q t p^a " r w d n k m q x c p^a " r t^a e g l "

X"ngvgej"3;;7/3;;;"d{nq"rtqxfqgpp mqnkmkpxgpcvk|c pfej"rt |mw o "dtqwm .mvyt2"unqwfkn{" lcmq"rqfmncf"rtq"x{jn^a-gpf"qejtcp{"p mvgt ej"À|g o f<"Rcft um2"t{dpf|m{"Lqtf^ap" c" \^ad jn^a" *Jqxqtmc"3;;;7.3;;;8+.Lg|gtq"vFwdnqxke" c"Rc g|kv "t{dpf|m" w"Uxcv²jq"Rqng*"Jqxqtmc"3;;; :c.d+." Cp f num²uejqf {"*Jqxqtmc"3;;; ;+0" \ rt^ax {" | "v ejvq"rt |mw o "pgd{n{" rwdnkmqx^ap {" c" luqw" fgrpqx^ap {"pc"qfdqtgej"jejtcp {" r"ftqf {" o uvum ej"À cf "x"R f{dtc ok" c" x" Fqd f<"k0"Rwdnkmqx^ap" d{n"rqw|g"p^ang| "x |pc op²jq"tgnkmpf|jq"uv gxn"mc"Leistus montanus kultianus Hctmc "gv"Heucvck." 3;;;"|nqmcnkv {"Lqtf^ap*"Hctmc " ("Heucvck"3;;; ;+0"lgfpqvnkx²"Àfclg"q"dtqwefej"R f{dtc o umc"luqw" tq|rv ngp {"r fgfx-f"o"x" cuqrkuw"Klapalekiana." r gx^aflp "xg"htq o "útw p ej"uf ngp"q"pqx ej" p^ang|gej" Dg|f m"4222."Dqwmcn"gv"cn0"4222."Mt^an ("Xkvpgt"3;;; ;5."N%4dn" ("T flk mc"4222."O fmc" 3;;; ;7."Uvtgl gm"3;;; ;5c." \Àdgt"4222+"pgdq"lcmq"uqw ^auv"hcwpkuvkem ej"pgdq|qqigqitcLem ej" rtcef" |cd xclfefej"ug"wt kv o "vczqpg o"pgdq"u{uvg o cvkemqw"umwrkpq"pc"tq|u^a jngl-f"o"À|g o f {"*Lw gpc"gv"cn0"4222."V t"3;;; ;.Xgugn" ("V ^an"3;;; ;+0"Fc n-f"lgfpqvnkx²"Àfclg"ug"qdlgxw|f"p cr 0" x"rtcefej" f"lmc"42228+."Jqxqtm"3;;; ;.e+." \Àdgtc" ("Pqx^amc"4223+)

R gfm^a fcp^a rt^aeg"x|pkmnc"uqwrkug o"p^ang| "qf"lgfpqvnkx ej"À cwpf|m "GF"pc |^amc f " lglkej"fqdtqxqnp²jq"wx^aflgp" c"qejqv {"fcvc"rqum {vpqvw0"Luqw" |fg"ujtq o^a flf p {"Àfclg"egnmg o" qf"3:"ud tcvgn ."qf"mq o rngvpfej"x ungf m "ud t "wt kv²" gngf k"urgekcnkuv {"cf"rq"lgfpqvnkx² p^ang| {" |t |p ej"umwrkp"qf"quvcvpfej"ud tcvgn 0" P mv g f"urqncwcvk k"fqfck"Àfclg"q"rq vw" |c|pc/o gpcp ej"pgdq"fqmncf qxcp ej"gzg o rn^a ."lkp"rqum {vnk"rqw|g"ug|pc o {"|lk-v p ej" c" fgygtok/pqxcp ej"ftwj 0" \v ejvq" xqf "o cl"fqfcp^afcvct|pqw"kpht o c p"jqf pqw" c"vcvq" rt^aeg"ug"vcm"rqp mw f"qfnk-wlg"q"uvcpfctfpej"r f"ur xm "wxg gl qxcp ej"x"vq o vq"cuqrkug0" n^apgm"uk"pgmncf" |c"e"n" r gfnqflk"Àrnp "ug|pc o "fquw f" |p^a o²"hcwp {"dtqwm "R f{dtc o umc."cng" rqw|g" |c|pc o gpcv" r gjngf"ftwj ."pcng|gp ej"x"rt d jw" Gpvq o qnqikem ej"fp "42270" Fq" cwwqtum²jq"mqngmkxw"luqw" |c|tpwv k"x-kejpk"ud tcvgn²."mvg f"rqum {vnk"cn gurq "lgf"gp"Àfcl0

E J C T C M V G T K U V K M C " - \ G O ~

Umwrkp {"nqmcnk" x"Dtfgej c"Uv gfp"o"Rqnxvcx" r g f u v c x w | f | e g n c " q f n k - p ² d k i g q i t c L e m ² q d n c u v k . " m t e l k p p ² v { r { " k " u m w r k p { " d k q r r 0 " R q x v c x { " u r c f " " f q " o g | q h { v k m c " c " o q | c k m q x k v " l u q w " | f g " r f v q o p { " n q m c n k v { " q f r q x { f c l e f e j e j c t c m v g t k u m ^a o v g t o q h { v k m c } P c f o q u m ^a x - m c " j n c f k p { " U n c r u m ² r g j t c f p f ^a p f t l g e u k " 4 9 3 " o = " c u v q d q . " C n d g t v q x { " u m ^a { " k " J t c | p { " n g h f " r f o q p c " r t c x ² o d g j w X n v c x { 0 " P e r t q v k v q o w D t f { " p ^a n g h f " f q " q t g q h { v k m c . " x t e j q n " V q m w " u g " p e e j ^a | f | x g " x - e g " : 8 7 " o " p l o 0 " V q " r g f u v c x w | g " q r t q v k " À f q n " X m v c x { " x - m q x " t q | f n " v ² o " 8 2 2 " o 0 " Q m t c l g " q d q w " q d n c u v k " l u q w " q f " u g d g " x | f ^a n g p { " p g l o ² p " 5 7 " m o . " o c l f | e g n c " l k p " i g a n q i k e m " r q f m n c f " k " r f p " r q m t { x 0 " D t f { " l c m q " p g l t q | u ^a j n g l - f " c " p g l x { - f " j q t u m " A v x c t " x " g u m ² n q v n k p " r n p f | g | q q i g q i t c L e m ² j q " j n g f k u m c " p e " l g f p ² u v t c p " h w p m e k " r g u w r p f " u v c p k e g " r t q " j q t u m ² f t w j { " f l x q k e j . " p c " f t w j ² u v t c p " r g f u v c x w | f " d c t k ² t w " r t q - f | g p f " v g r n q o k n p e j " f t w j 0 - f q n " X m v c x { " l g " x g n o k " x | p c o p o " d k m q t k f q t g o * " N q f g m " g v " c n 0 " 4 2 2 7 + 0

Nqmcnk {"x'egpvt^anpfej" Dtfgej

m"Rcft um2"t{dpf|m {"*856;d+: 49v39v44vP135v46v85vG.32"m o "ugxgtq|^arcfp "qf" Tqfl okv^anw"rqf"V go-fpg o."X—D." 852/872" o "p0 o.0.4: 0X042270"Rqd gfpf" rqtquv {. r gx^aflp "xnjm²nqwm {"x"qmqrnt"t{dpf|m "x{dwfqxcp ej"x"rqnqxp " 380"uvqm.} r q f o ^a gp² cwwqe jvqppf"u o tmqx²ngu {"x"qmqrnt" I g q o q t h n a q i k e m {" r q | q t w j q p " r t x g m " o q ^a n q x k v ² r " p x g " u " t q | u ^a j n o k " t c - g n k p k - v k 0

40"WD" f| {"*846;e+: 49v42v42vP135v52v51vG."pc"x ejqfpf"o"Àrcv" xtejv"Vqm."5.7"m o" |^arcfp "qf"Qdgepkeg."X—D." 872/8:2" o "p0 o.0.4: 0X042270"Ngupf"nqwm {"c"rcugm {"r q f ² n " x q l g p u m ² e g u v {" u - k t - f o " À g n q x o " r t q u x v n g p f o " q m q n p f | j q " u o t m q x ² j q " n g u c . " r n ^a - q x ² n g u p f " r q t q u v { " u " x v t q w - g p o k " d w m { " * F a g u s s y l v a t i c a + . " f w d { " * Q u e r c u s u r 0 + . " l g ^a d { " * S o r b u s a u c u p a r i a + " c " f c n - f o " k " p ^a n g v a x o k " f g x k p c o k 0 " R t q " e g p v t ^a n p f " D t f { " v { r k e m ² . - k t q e g " t q | g x g p ² " A x n c q x k v ² " À f q n f " u o c n o k " r q v q m { 0 " R f p " r q m t { x " o " e j c t c m v g t " r u g w f q i n g l g 0

50"xtej"Vqm*846;e+: 49v42v42vP135v52v51vG."6.7"m o" |^arcfp "qf"Qdgepkeg."X—D."922/:72" o "p0 o.0.4: 0X042270"Wo ng" wftlqxcp²jqtum²dglngu"u"o"q|clmqw"rqtqw "x guw*"Calluna vulgaris), brusinek (Vaccinium vitis-idaea+. "dqt xgm" (Vaccinium myrtillus+. "merteclfp"*Rygtkfgrukfc" c" jqtum²nw p" rqtquv {. "xg" xtej qnqx ej" rctvfej" x ejq| {" r q f n p f }

j q t p k p { " r q m t { v 2 f t q n p c o k . " r t c m k e m { ' d g | " r q t q u w 0 " X " q m q n f " u o t m q x 2 " n g u { " u r " f o u f d f | { * " B e t u l a v e r r u c o s a + " c " x | " a e p " x v t q w - g p o " l c x q t g o " m n g p o * " A c e r p s e u d o p l a t a n u s } , b u k e m (F a g u s s y l v a t i c a) a d u b e m (Q u e r c u s u r 0 + 0 " I g q n q i k e m " r q f m m c f " v x q " r g x a f l p " v x t f 2 " u n c f m q x q f p " m g o g p k v 2 " u n g r g p e g " m c o d t k e m 2 j q " u v a " 0 " R f p o " r q m t { x g o " x { - " f e j " r c t k f " l u q w " f { u v t k e m 2 . " o f u v { " r q f | q n q x c p 2 " m c o d k | g o " u " d q j c v o " c u v q " c f l " d n a x c p k v o " u m n g v g o . " x " g z r q p q x c p e j " a u w e j " l u q w " x { v x q g p c " m c o g p p a " r q n g . " l k p f g " x d w e j g o " o w p k e g " x | p k m m 2 " r t q j n q w d g p k p { . " p a u n g f p " | c o q m g p 2 " c " | t c - g n k p n 2 0

Nqmcnv{ "xg"Uv gfp{o "Rqxcvxf

60" cuvqdq *8474e: 49v44i18iP136v21i33EG."4.7"m o "ugxgtp "qf" Pcnflqxkem2jq "Rqfj aIf."492/542" o "p0 o0."470/520X042270Tgmtc pfmgo r'pc'x ejqfpp'o'd gjw'Xmxcv{ 'x' o'fuv 'qdeg' | cpkm2'x' " | avrqx2' } » P "Ucnum2'Àfqpmp'p' a ftlgl' Rnqej { 'tgmtc pfej | c f | g p f . g z v g p | k x p " q d f n a x c p 2 " n q w m { . u o f - g p " n g u " u r g x c j q w d q t x k e g " n g u p f * P i n u s s y l v e s t r i s } , x v - f g p m m a x c f w d q x 2 j q n g u c . n g u p f n g o { " | p a n g v x e j f g x k p 0 I g q n q i k e m " r q f m m c f l g r g m t { v p c r n c x g p k p c o k x " | " x q f p f " a u k " o g c p f t w " X m x c v { 0

70 Cndgtvqx { "um"n { *8474e: 49v43i34iP136v22i03EG."3"m o "ugxgtp "qf" Pcnflqxkem2jq "Rqfj aIf."496/632" o "p0 o0."470/520X042270Nqmcnv{ p'cxc | w | f e f | d g | r t q u v g f p " p c " l k j x e j q f p f q m t c l " P a t q f p f r f t q f p f t g | g t x c e g " F t d a m x 6 C n d g t v q x { " u m a n { 0 " U m c n p c v 2 " u t a | . " k p x g t | p f | c j n q w d g p f c x t e j q n q x 2 " r c t k g " u t a | " p c p a t c | q x 2 o " u x c j w " o g c p f t w " X m x c v { " w " O l u a x k e l " F q d g " | c e j q x c p " u o f - g p " n g u " u r " f o u f " v k u w " g t x g p 2 j q * T a x u s b a c c a t a) c " t n k m w p f " d q t " p c " r g u v t 2 o " i g q n q i k e m 2 o " r q f m m c f w " o g e d c | k v " l n q u m 2 j q r " u o c l " X g " u m c n p f " r c t v k k " l u q w " m c o d k | g o " o q | c m q x k v " r t q u w v r g p 2 " r n a e j c o k d q j c v e j " k e j w f e j " m { u g n e j t p e m t . " p c f " j q t p f " j t e p q w " u t a | w " j p f q | g o 0

80 Jt c|cp| *8474e: 49v44i04iP136v23i49iEG."r f'mt "uxc'j'x ejqfpp'jq'd gjw'Xmxcv{ ".37"m o "ugxgtpx ejqf p "qf" Ugfn cp."492/572" o "p0 o0."4; ; 0X042270" \ c e j q x c n " u o f - g p " n g u " u " x | p c o p o " r q f n g o " j e d t w * C a r p i n u s b e t u l u s } . o q | c m q x k v " r t q u x v n g p " x x t c v { 0 " P c " j q t p f " j t c p " g z v g p | k x p " q d f n a x c p 2 " n q w m { . " o f u v { " u v r p f j q e j c t c m v g t w 0 " R f p f " r q m t { x " o " a e j c t c m v g t " j p f q | g o f . " i g q n q i k e m " r q f m m c f " v x q " o " g e d c | k v { " l n q u m 2 j q r " u o c l

90 R gfpfEjnw o *8573e: 49v36i07iP136v11i44iEG."tq | u | j n g l - f " n g p l v 2 p " x t - f " p c " a r c f p f o ' d g j w ' X m x c v { . ' d g | r t q u v g f p " p c f " x q f p f " p a f t i l f " Q u t f m . " 6 2 2 ' 2 ' o " p 0 o 0 . " 4 ; ; 0 X 0 4 2 2 7 0 " N q w m { ' c " r c u v x k p { ' u t q | f " n p q w " k p v g p | k v q w " d j q u r q f c q x a p f . " o g | g " c ' j a l m { ' u p a n g v x q o k f g x k p c o k . " o f u v { " r q t q u v { " l c p q x e g * C y t i s c u s s c o p a r i u s + . u m c n p f " n g u q u v g r " u " l k f i p f r q t q | k e 0 " R c u v x k p { " l u q w " f n q w j q f a d " p g r g v t l k v " x { w i l f x a p { 0 " P g x { w i l f x c p 2 " r c t k g " r q f n 2 j c l f " r k t q | g p 2 " u w m e g u k . " t { e j a n g | c t u c l f " j n a j q o " (C r a t a e g u s u r 0 + c - f r m g o * R o s a c a n i n a + 0 " R f p f r q m t { x " o " a e j c t c m v g t " j p f q | g o f . " i g q n q i k e m " r q f m m c f " v x q " o " g e d c | k v { " l n q u m 2 j q r " u o c l " X g " x t e j q n q x e j " a u w e j " c " p c " g z r q p q x c p e j " r c t k f e j " l u q w " m c o g p p a " r q n g " o c n 2 j q " t q | u c j w 0 : 0 " E j n w o * 8 4 7 4 e : 4 9 v 4 2 i 1 8 i P 1 3 6 a 4 4 i 3 8 E G . " u g x g t p f " q m t c l " q d e g " P c n f l q x k e m 2 " R q f j a I f " c " q m q n f " u k p l e g " u o t g o " m " q d e k . " 5 4 2 / 5 7 2 " o " p 0 o 0 . " 4 9 0 X 0 4 2 2 7 0 " U { p e p v t q r p f " c " t w f t a n p f " r q t q u v { " q m q n q " u k p l e g " c " t q | v t q w - g p 2 " m q x k p { " c " h t c i o g p v { " o g | q l a p f e j " n w m " x " | g o f n u m 2 " m t c l k p 0 " X " r q f t q u w v " f q o k p w l g " m q r k x c " f x q w f q o " a * " U r t i c a d i o i c a t . " m g t d f m " n g u p f (A n t h r i s c u s s y l v e s t r i s + " c " d f l p 2 " n w p f " f t w j { " v t x 0

OGVQFKMC

— cuvpfek" o cvgtk" a" u d f t c n k " r k'urqng p ej k'kp f k x k f w " n p f e j " g z m w | f e j 0 " P m v f " r t q x a f n k " r t | m w o " l k f i r " g f " q l e k a " n p f o " | c j a | g p f o " G F . " q f " 4 7 0 X 0 4 2 2 7 c " l g - v " 5 2 0 X 0 4 2 2 7 " r q " l g l k e j " w m q p g p f 0 - f c l g | " v e j v q " u t d " l u q w " c | c | g p { " f q " u g | p c o w l " D { n { " r q w f l k v { u w p f c t f p f " o g v q f " u d t w c l p f k x k f w " n p f u d t " | " r q t q u v . " r q x t e j w " v g t 2 p w . " r q f m c o g p { . " m t w k . " x " v t q w e j p l x 2 " o " f g x " c " x " v t w u w . " u o " m a " p " c " u m n g r a " x a p f " x g i g v c e g . " r t q u x { " f g v t k w . " x { - n c r a " x a p f " c " x | r n a e j q x a p f " r q f o a " g p e j d g j " c " q f e j v { " f q " m a " v m q f a d e j " l g o p f e j " r c f c e f e j " r c u v " u t | p q w " p a x p c f q w " m q u m " v t w u . " u v c t 2 " o c u q " p g d q t | d k m { + 0 " F q m c f a x 2 " g z g o r n a " g x " r t g r c t x c p 2 " p c " u w e j q " l u q w " w n q f l p { " x g " u d f t m a e j a " l " c u v p f m " G F 0 " F q " u g | p c o w d { n c " | c | c | g p c " k ' u r q n g j n k x a " r q | q t q x a p f " x " v g t 2 p w " u p c f p q " w t k v g n p e j " f t w j 0 " f u m c " h c w p l u k e m e j " o c r q x e j " v x g t e " l u q w " w x g f g p c " r q f n g " R t w p g t c (" O f m { * 3 ; ; 8 0

**UQWRKU" P fNG **

X{ -- f " m n c u k l m c e g . " c | g p f " v c z q p " c " p q o g p m n c w t c " l u q w " u l g f p q e g p { " r g x a f l p " r q f n g " r t a e g " L g n f p m c " * 3 ; ; 5 + 0 " R q w | g " w " p m v g t e j " g n g f " l u q w " p q o g p m c w t c " c " u { u v g o c v k e m 2 " c | g p f " f t w j " r g x | c v { " | " p q x l - f e j " g u m e j " r t c e f . " m v g t 2 " l u q w " r f u w w r p 2 - k t q m 2 " g p v q o q n q i k e m 2 " x g g l p q u v k " E c t c d k f c g " * J t m c " 3 ; ; 8 . " G n c v g t k f c g " * N e c k d p g t " 4 2 2 2 . " E g t c o d { e k f c g " * U n a o c " 3 ; ; : + 0 " X g " u r t a x p 2 o " | p p f " l u q w " w x g f g p c " l o 2 p c " v c z q p " c " c w v q t . " m v g t a " l u q w " x " E j g e m / n k u w " e k v x c p 2 o " x " p a u n g f w l f e f o " v g z v w " r q f " l o 2 p g o " l g j g " g f k v t c < " L g n f p g m " * 3 ; ; 5 + " | m q o q n g p c " p g d q " w x g f g p c

x"pgurt^axp ej" qtvqitcŁem ej" xctkcpv^aej" **Pyrrhidium sanguineum*, *Pselaphorhynchites longiceps*, *Pselaphorhynchites nanus*, *Acalles commutatus*, *Hypera suspiciosa* aj.), druhová u {ppq{ oc"x"3 |^axqteg"lg"wxgfgpp"l o²pq"wfikv²"x" E j gem/nkuvw+ "pgdq"mvgt^a"x"p o "pgluqw" | glo " qo {ng o "wxgfgpc" **Onthophagus coenobita*, *O. fracticornis*, *Amphimallon solstitialis*).

X"p^aungfwl{e"o" r g jngfw" |c|pc o gpcp ej" ftwj " xflf{ " |c"l o²pg o" vczqpw" p^aungfwl" "unc" nqmcnk"ug" |mtcvmc ok"l o g'ud'ud' tcvgn 0"lgfppqvxk²"hqmckv{ "luqw"qff ngp{ "uv gfp"img o"Rqmwf"pgp" wxgfgpp"lkpc m. rncv"flg"r "unw-p "ud' tcvgn" |^ataqxg "ocvgtk^an"fgvgt okpaxcn"Rqmwf"lg" |p^a o"rq gv" fqmmcfxcp ej"gzg o rn^a "xg"ud"teq."lg"wxgfgp"x" |^axqteg"X"r "rcf ."flg"ocvgtk^an" d fl/p ej" ftwj "d{n"rqw|g" fgvgt okpax^a."rq v{"gz0" |c|pc o gp^ap{"c"pggzkuw"l" fqmmcfx²"mw{"pgdq" lglkej"rq gv"pgp" |p^a o."x" |^axqteg" |c"l o²pg o"ud' tcvng"pgp"rq gv"gzg o rn^a "wxgfgp"Rqmwf" o cvgtk^an"wt kn"lkp "urgekcnkuv."p^aungfwl" |mtcvmc"lgj q"l o²pc0

X |pc op l-"hcwplukem²"p^ang{|.ftwj{"dkqpkfmc p "x |pc op²"tgnkmp"ftwj{"rqfng"rtce" J tm{"gv"cn0*3 ; ; 8+"c"Uvtgl mc*4222d.4223+"c"ftwj{| |xn^a-v "ejt^ap p²"rqfng"x{|jn^a-m{"OfiR" 0"5;713 ; ; 4"Ud0"luqw"q|pc gp{"u{| o dqng o "M3"ó" M67" c"luqw"mq o gpvqx^ap{"x"fcn-"o"vzvww0

\mtcvm{"logp"ud' tcvgn <

\ó" \fgp m' gtp			
IP'ó" Pqtdgtv" I Átwtg	RO'ó" Olnep'Rt -c	™R'ó" Rcxgn"™rt{ ct	XR'ó" Rcxgn"Xqpk mc
MjL'ó" Lk "Mqjp	TL'ó" Lctquncx" T{-cx	™T'ó" Tiejctf"™mqfc	XX'ó" Xncfk o"t" Xctdge
OR'ó" Rcxgn" Oqtcxge	UL'ó" Lctq o"t" Uvtgl gm	VC'ó" Cpvpfp" Vt o cn	
PL'ó" Lk "Pgfgtmc	UejL'ó" Lcp" Uejpgkfgt	WU'ó" Uvcpkuncx" Wtdcp	\mtcvm{"logp"
RL'ó" Lk "Rngej ^a	UM'ó" Mctgn" Uej ³ p	XL'ó" Lcp" Xqgem	

urgekcnkuv . "myg "flfgvgt okpaxcnk" ^auv" o cvgtk^anw<

DU'ó" Uvcpkuncx" Dpgpfkmv. "Rn g " *Ewtewnkqpkf cg+	OL'ó" Lqugh" Ogtvnm. "Qrcvqxkleg" pc f" Ncdg o " *Gncvgtkfcg+
DX'ó" X" encx" Dpgpfkmv. "Rn g " *Eqeekpgnkfcg+	QQ'ó" Qnf kej" Qfx ^a tmc. "Ej q o wvx" *Ewtewnkqpkfcg+
DO'ó" Olnep" Dqwmcn. "Rct f wdkeg" *J cnrnkfcg. "D {tj kfcg+	Rgl'ó" Lcp" Rgnkm ^a p. "J tcfge" Mt ^a nqx ² *Ej t {uq o gnkfcg. "tqf" <i>Cassida</i>)
F'ó" Fw-cp" wfc p. "Dtqj" *Ewtewnkqpkfcg+	UR'ó" Rcxgn" Ucumc. "Rtcjc" *Ectcdkfcg. "tqf" <i>Amara</i>)
FX'ó" X" encx" Fqpi tgu. "Rn g " *Eqeekpgnkfcg+	™X'ó" Xncfk o"t"™xk jnc. "Rtcjc" *Ecpvjctkfcg+
JQ'ó" Qnf kej" J qxq tmc. "Rtcjc" *Ectcdkfcg+	VX'ó" X" encx" V t. "fikjng" *Nwecpkfcg. "Uectcdcgkfcg+
LL'ó" Lqugh" Lgn" p gm. "Rtcjc" *Pkvkfwkfcg. "Egt {nqpkfcg. " Eqn {/fkkfcg+	XgR'ó" Rgv" Xgugn. "Rtcjc" *Ectcdkfcg+
ML'ó" Lk "Mt ^a vm . "J tcfge" Mt ^a nqx ² *Ewtewnkqpkfcg+	\D'ó" Dq kxq" \dw gm. "Rtcjc" *Gncvgtkfcg+
MN'ó" Nwfx" m" Mc-rc t. " gum ^a " N"rc " *Ectcdkfcg. " Buprestidae)	\O'ó" Oktquncx" \Adgt. "Mqu o qpqu { *Ej t {uq o gnkfcg+
MqN'ó" Nwdq o"t" Mqnpk p . "Qvtxc" *Ewtewnkqpkfcg+	\R'ó" Rgv" \c jctf p"m. "Op"-gm" r qf" Dtf { *Cpdkkfcg. "

Ptinidae)

R" "g"j"n"g"f" | "l"k"-v" "p" "ej" f"t" w"j"

Ectcdkfcg

Leistus terminatus *J gnyki "kp" Rcp |gt. "39 ; 5+<"3"ó" UejL" *3"gz0. "J Q" fgv0+. "XR" *3"gz0+
Notiophilus biguttatus *Hcdtkewu. "399 ; +<"4"ó" WU" *3"gz0. "MN" fgv0+= "5"ó" XR= "7"ó" OR. "XR= "8"ó" OR. "XR"
Notiophilus palustris *Fwhvej okf. "3 : 34+<"5"ó" OR= "8"ó" OR
*Pqkqrjknwu"twLrgu" Ewtku. "3 : 4 ; <"8"ó" OR" *3"gz0+= "M3*

Loricera pilicornis pilicornis *Hedtkekwu."3997+<"3"ó"WU"*4"gzl+=="6"ó"WU"*5"gzl+=="7"ó"RL"*4"gzl+
Carabus granulatus granulatus Nkppcgwu."397 : <"3"ó"RL"*3"gzl+=="4"ó"WU"*5"ó"RL
Carabus arvensis arvensis Jgtduv."39 : 6<"4"ó"RL"*3"gzl+=="5"ó"OR"*3"gzl+=="K2
Carabus cancellatus cancellatus Kmkigt."39 ; : <"7"ó"WU"*3"gzl+
Carabus violaceus violaceus Nkppcgwu."397 : <"3"ó"RL"*3"gzl+
Cicindela campestris campestris Nkppcgwu."397 : <"3"ó"RL"*3"gzl+=="5"ó"MjL"*3"gzl+."OR".PL."TL"
 *4"gzl+=="M5
Cicindela sylvicola *Fglgcp."kp"Ncvtgkng"gv" Fglgcp."3 : 44<"3"ó"OR"*3"gzl+."XR="K4
Elaphrus riparius *Nkppcgwu."397 : +<"3"ó"OR."UejL"*5"gzl+."JQ"fgv0+."XR
Clivina collaris *Jgtduv."39 : 6+<"3"ó"XR
Clivina fossor *Nkppcgwu."397 : +<"3"ó"OR."RL"*3"gzl+
Dyschirius aeneus aeneus *Fglgcp."3 : 47+<"3"ó"OR"*3"gzl+
Dyschirius globosus *Jgtduv."39 : 6+<"3"ó"OR."RL"*3"gzl+."UejL"*5"gzl+."JQ"fgv0+=="5"ó"OR."XR
Epaphius rivularis *I {nngpjcn."3 : 32+<"3"ó"OR"*3"gzl+."XR"*3"gzl+=="M7
Trechus obtusus obtusus Gtkejuqp."3 : 59<"4"ó"WU"*3"gzl+."MN"fgv0+
Trechus splendens Igo okpigt"gv" Jctqif."3 : 8 : <"3"ó"OR"*6"gzl+."XR="4"ó"RL"*3"gzl+."MN"fgv0+
Elaphropus diabrachys Mqngpcvk."3 : 67<"6"ó"OR"*3"gzl+."XR"*4"gzl+
Elaphropus parvulus *Fglgcp."3 : 53+<"6"ó"OR"*3"gzl+."XR"*5"gzl+=="M8
Elaphropus quadrisignatus *Fwhvuej okf."3 : 34+<"6"ó"OR"*3"gzl+."XR"*3"gzl+
Tachyta nana nana *I {nngpjcn."3 : 32+<"4"ó"RL"*3"gzl+."MN"fgv0+
Bembidion lampros *Jgtduv."39 : 6+<"3"ó"OR="5"ó"RL"*4"gzl+."MN"fgv0+."XR="6"ó"XR
Bembidion properans *Uvgr jgpu."3 : 4 : +<"3"ó"UejL"*4"gzl+."JQ"fgv0+=="6"ó"XR
Bembidion punctulatum punctulatum Ftrckg|. "3 : 42<"6"ó"XR
Bembidion obliquum Uvwt o."3 : 47<"3"ó"OR."RL"*3"gzl+."MN"fgv0+
Bembidion varium *Qnkxktg."39 ; 7+<"3"ó"UejL"*6"gzl+."JQ"fgv0+
Bembidion articulatum articulatum *Rcp|gt."39 ; 8+<"3"ó"OR."UejL"*36"gzl+."JQ"fgv0+."XR="5"
 ó"RL"*5"gzl+."MN"fgv0+."XR="6"ó"XR
Bembidion doris *Rcp|gt."39 ; 9+<"3"ó"RL"*3"gzl+."MN"fgv0+
Bembidion humerale Uvwt o."3 : 47<"5"ó"OR"*3"gzl+=="K7
Bembidion quadrimaculatum quadrimaculatum *Nkppcgwu."3983+<"3"ó"OR."XR
Bembidion lunulatum *Hqwtetqf."39 : 7+<"3"ó"OR."UejL"*4"gzl+."JQ"fgv0+."XR="5"ó"XR
Bembidion mannerheimi E0T0Ucjdgti."3 : 49<"3"ó"OR."RL"*3"gzl+."MN"fgv0+."XR="4"ó"RL"*3"gzl+."
 MN"fgv0+=="5"ó"OR."XR
Bembidion illigeri Pgvqnkv | m{."3 : 36<"3"ó"OR
Bembidion deletum Cwfkpgv/Ugtxkng."3 : 43<"3"ó"OR."UejL"*9"gzl+."JQ"fgv0+=="5"ó"XR
Bembidion stephensi Etqvej."3 : 88<"3"ó"OR"*4"gzl+
Bembidion bruxellense Yguo cgn."3 : 57<"3"ó"OR."UejL"*3"gzl+."JQ"fgv0+."XR
Bembidion femoratum Uvwt o."3 : 47<"3"ó"WU"*MN"fgv0+=="6"ó"OR."XR
Bembidion tetracolum tetracolum Uc{ "3 : 45<"3"ó"RL"*3"gzl+."MN"fgv0+
Poecilus cupreus cupreus *Nkppcgwu."397 : +<"3"ó"OR."XR
Poecilus versicolor *Uvwt o."3 : 46+<"3"ó" \ "4"gzl+
Pterostichus diligens *Uvwt o."3 : 46+<"3"ó"OR."PL."UejL"*5"gzl+."JQ"fgv0+."XR="4"ó"RL"*3"gzl+."
 XgR"fgv0+=="5"ó"OR."XR
Pterostichus strenuus *Rcp|gt."39 ; 9+<"9"ó"WU"*4"gzl+."MN"fgv0+
Pterostichus minor minor *I {nngpjcn."3 : 49+<"3"ó"PL."XR

*Pterostichus nigrita**Rc{mwmm."39;2+<"3"ó"PL."UejL"*3"gzl."JQ"fgy0+."XR
Pterostichus rhaeticus J ggt."3:59<"5"ó"OR"*3"gzl+."XR
Pterostichus oblongopunctatus oblongopunctatus *Hcdtkkwu."39:9+<"4"ó"WU"*3"gzl."MN"fgy0+="
7"ó"RL"*3"gzl+="8"ó"XR
*Pterostichus niger niger**Uejcmgt."39:5+<"5"ó"RL"*3"gzl."MN"fgy0+
Pterostichus burmeisteri J ggt."3:63<"8"ó"XR
Abax parallelepipedus *Rkmggt"gv"Okwgt rce jgt."39:5+<"8"ó"OR
Abax parallelus *Fwhvuej okf."3:34+<"7"ó"WU"*3"gzl+
Molops piceus piceus *Rcp|gt."39;5+<"7"ó"RL"*3"gzl+="8"ó"OR
Calathus fuscipes fuscipes *I qg|g."3999+<"4"ó"UejL"*3"gzl."JQ"fgy0+="9"ó"OR."RL"*4"gzl."MN"
det.), VP
Platynus assimilis *Rc{mwmm."39;2+<"3"ó"PL."XR
Agonum marginatum *Nkppcgwu."397: +<"3"ó"OR."UejL"*5"gzl."JQ"fgy0+."XR"*3"gzl+="6"ó"OR
Agonum sexpunctatum *Nkppcgwu."397: +<"3"ó"OR."UejL"*3"gzl."JQ"fgy0+."XR"*3"gzl+="7"ó"WU"
*3"gzl."MN"fgy0+
Agonum viduum *Rcp|gt."39;8+<"3"ó"OR"XR
Europhilus gracilis *Uvwt o."3:46+<"3"ó"OR."PL."XR"*4"gzl+
Europhilus fuliginosus *Rcp|gt."3:2; +<"3"ó"OR."UejL"*3"gzl."JQ"fgy0+."XR="4"ó"RL"*3"gzl."MN"
det.)
Europhilus thoreyi thoreyi *Fglgcp."3:4: +<"3"ó"XR
Amara plebeja *I {nngpjcn."3:32+<"3"ó"OR."UejL"*3"gzl."JQ"fgy0+."XR="4"ó"WU"*3"gzl."UR"
det.)
Amara aenea *Fg I ggt."3996+<"3"ó"UejL"*4"gzl."JQ"fgy0+="4"ó"UejL"*3"gzl."JQ"fgy0+="7"ó"XR="9"
"ó"OR"XR
Amara convexior Uvgr jgpu."3:4: <"8"ó"OR."XR="9"ó"RL"*3"gzl."UR"fgy0+
Amara familiaris *Fwhvuej okf."3:34+<"4"ó"WU"*3"gzl."UR"fgy0+="8"ó"RL"*5"gzl."UR"fgy0+."XR
Amara littorea E0" I0"V j q o uq p."3:79<"8"ó"WU"*3"gzl."UR"fgy0+
Amara lunicollis Uejkqgfv g."3:59<"3"ó"OR
Amara ovata *Hcdtkkwu."39;4+<"7"ó"OR."XR"*3"gzl+="8"ó"XR
Amara similata *I {nngpjcn."3:32+<"7"ó"XR
Amara tibialis *Rc{mwmm."39; : +<"7"ó"XR
Amara equestris equestris *Fwhvuej okf."3:34+<"9"ó"XR
Panagaeus bipustulatus *Hcdtkkwu."3997+<"9"ó"RL"*3"gzl."MN"fgy0+
Anisodactylus binotatus *Hcdtkkwu."39:9+<"6"ó"XR
Anisodactylus signatus *Rcp|gt."39;9+<"7"ó"XR
Stenolophus teutonius *Uej t c p m."39:3+<"6"ó"OR"XR
*Dtc f { e g m w u " t w L e q m k u }**Uvgr jgpu."3:4: +<"5"ó"OR": "gzl+."XR"*5"gzl+="M":
*Cewrcnrwu"t cxkeqmk u }**Uvwt o."3:47+<"3"ó"XR
Acupalpus meridianus *Nkppcgwu."3983+<"3"ó"OR."UejL"*6"gzl."JQ"fgy0+="XR="4"ó"RL"*3"gzl."
MN"fgy0+="5"ó"XR
Acupalpus parvulus *Uvwt o."3:47+<"3"ó"OR
Trichotichnus laevicollis *Fwhvuej okf."3:34+<"3"ó"XR
*Qrj q p w u " t w L d c t d k u }**Hcdtkkwu."39;4+<"8"ó"RL"*3"gzl."MN"fgy0+
*J c t r c n w u " c h L p k u }**Uej t c p m."39:3+<"3"ó"XR="4"ó"UejL"*3"gzl."JQ"fgy0+="7"ó"WU"*4"gzl+."XR
Harpalus honestus *Fwhvuej okf."3:34+<"5"ó" \ *3"gzl."XR"fgy0+="7"ó"WU"*4"gzl."MN"fgy0+

Harpalus latus *Nkppcgwu."397: +<"3"6"UeJL"*4"gz0."J Q"fgv0+."XR="4"6"UeJL"*3"gz0."J Q"fgv0+
Harpalus pumilus Uvwt o."3: 3: <"9"6"WU"*4"gz0."MN"fgv0+
Harpalus quadripunctatus Fglgcp."3: 4; <"9"6"RL"*3"gz0."MN"fgv0+
Harpalus tardus *Rcp|gt."39; 9+<"8"6"RL"*3"gz0."XgR"fgv0+."XR
Lebia cruxminor *Nkppcgwu."397: +<"3"6"RL"*3"gz0+<"8"6"RL"*3"gz0+<"M";
Demetrias monostigma Uc o qwngng."3: 3; <"7"6"RL"*4"gz0+."XR
Dromius agilis *Hcdtkkwu."39: 9+<"4"6"WU"*3"gz0+<"8"6"RL"*3"gz0+."XgR"fgv0+
Dromius quadrimaculatus *Nkppcgwu."397: +<"4"6"WU"*3"gz0+
Syntomus foveatus *Hqwtetq{."39: 7+<"9"6"OR"*3"gz0+
Microlestes minutulus *I qg|g."3999+<"7"6"WU"*4"gz0."MN"fgv0+
Cymindis humeralis *Hqwtetq{."39: 7+<"5"6"RL"*4"gz0+<"9"6"RL"*3"gz0+

J c n k r n k f e g

J c n k r n w u "twŁeqmku"*Fg" I ggt."3996+<"3"6"VC"*3"gz0."DO"fgv0+

U v e r j { n k p k f e g

Stenus clavicornis *Ueqrqnk."3985+<"3"6"XR
Stenus comma NgEqpv."3: 58<"3"6"OR"*3"gz0+."XR"*4"gz0+
Stenus junco Hcdtkkwu."3: 23<"3"6"XR
Stenus boops Nlwp i j."3: 26<"3"6"OR"*3"gz0+."XR"*4"gz0+<"6"6"OR
Stenus canaliculatus I {nngpjcn."3: 49<"3"6"OR"*3"gz0+
Stenus humilis Gtkejuqp."3: 5; <"6"6"OR
Stenus melanopus *Octujco."3: 24+<"5"6"OR"*3"gz0+
Stenus morio I txcgpjqtuv."3: 28<"3"6"OR"*3"gz0+."XR
Stenus bohemicus Ocejwmc."3: 69<"3"6"OR"*36"gz0."eqn0"OR"XR+
Stenus cinctoides *Uejcngt."39: 5+<"3"6"OR
Uvgpwu "Łcxkr cnrku" E0" I 0"Vj q ouqp."3: 82<"5"6"OR"*3"gz0+
Paederus fuscipes Ewvtku."3: 48<"3"6"OR"*3"gz0+
Paederus littoralis I txcgpjqtuv."3: 24<"6"6"OR
Tw i k n w u "twŁrgu" I gt o ct."3: 58<"3"6"OR
Lathrobium terminatum I txcgpjqtuv."3: 24<"3"6"XR"*3"gz0+
Lathrobium brunnipes *Hcdtkkwu."39; 4+<"3"6"OR"XR
Lathrobium fovulum Uvgr j gpu."3: 55<"3"6"OR
Lathrobium fulvipenne I txcgpjqtuv."3: 28<"3"6"OR
Ochtheophilum fracticorne *Rc {mwm."3: 22+<"3"6"XR
Platydacus chalconcephalus *Hcdtkkwu."3: 23+<"8"6"OR"*3"gz0+
Veejkwu "Ło g v c t k w u" I txcgpjqtuv."3: 24<"7"6"OR"*3"gz0+
Drusilla canaliculata *Hcdtkkwu."39: 9+<"5"6"OR

N w e c p k f e g

Platycerus caprea *Fg" I ggt."3996+<"4"6"RL"*3"gz0."VX"fgv0+
Platycerus caraboides *Nkppcgwu."397: +<"5"6" \ "*3"gz0+<"8"6"XR"*3"gz0+

I g q v t w r k f e g

Anoplotrupes stercorosus *J ctv o c p p "k p "N0" I 0"Uetkdc."39; 3+<"4"6"WU"*3"gz0+<"5"6"RL"*4"gz0+<"7"6"RL"*5"gz0+<"9"6"WU"*9"gz0+
Trypocopris vernalis *Nkppcgwu."397: +<"3"6" \ "*3"gz0+<"5"6" \ "*3"gz0+."RL"*4"gz0+<"6"6" \ "

*3"gz0+=7"ó \ *3"gz0+. "RL" *5"gz0+=9"ó" WU" *4"gz0+

Uectcdcgkfcg

Sisyphus schaefferi *Nkppcgwu."397 : +<"9"ó"XL" *3"gz0+=**M32**

Onthophagus coenobita * Jgtduv."39 : 5+<"7"ó"RL" *9"gz0+. "WU" *4"gz0+

Onthophagus fracticornis *Rtg { uungt."39 ; 2+<"7"ó"RL" *9"gz0+=9"ó" WU" *3"gz0. "VX" fgv0+. "XR" *3"gz0+

Onthophagus joannae I qnlcp."3 ; 75<"7"ó"RL" * ; "gz0. "VX" fgv0+=9"ó"RL" *4"gz0. "VX" fgv0+. "WU" *4"gz0. "VX" fgv0+

Onthophagus ovatus *Nkppcgwu."3989+<"7"ó"RL" *7"gz0. "XV" fgv0+=9"ó" WU" *4"gz0. "XV" fgv0+. "XR" *3"gz0+

Aphodius erraticus *Nkppcgwu."397 : +<"7"ó"RL" *5"gz0. "VX" fgv0+=9"ó"XR

Aphodius subterraneus *Nkppcgwu."397 : +<"7"ó" WU" *3"gz0+

Aphodius haemorrhoidalis *Nkppcgwu."397 : +<"6"ó"Ue jL" *3"gz0+=9"ó" WU" *5"gz0. "VX" fgv0+. "XR" *3"gz0+

Aphodius luridus *Hcdtkekku."3997+<"4"ó" WU" *4"gz0+=7"ó" WU" *9"gz0. "VX" fgv0+=9"ó" WU" * ; "gz0. "VX" fgv0+. "XR" *3"gz0+

Aphodius distinctus *Q0" H" O ãnngt."3998+<"4"ó" WU" *7"gz0+=7"ó" WU" *7"gz0. "VX" fgv0+=9"ó" WU" *4"gz0. "VX" fgv0+

Aphodius sticticus *Rcp |gt."39 ; : +<"9"ó" WU" *5"gz0. "VX" fgv0+

Aphodius prodromus *Dtc f o ."39 ; 2+<"4"ó" WU" *5"gz0+=5"ó"RL" *4"gz0+=7"ó"RL" * ; "gz0+

Crjqfkwu *Logvc tkwu" *Nkppcgwu."397 : +<"4"ó"Ue jL" *3"gz0+. "WU" *4"gz0+=5"ó"RL" *4"gz0+=9"ó" WU" *3"gz0. "VX" fgv0+

Aphodius ater *Fg" I ggt."3996+<"3"ó"Ue jL" *3"gz0+=4"ó" WU" *3"gz0+=9"ó" WU" *9"gz0. "VX" fgv0+

Aphodius uliginosus Jctf { ."3 : 69<"4"ó" WU" *3"gz0+=9"ó" WU" *4"gz0. "VX" fgv0+

Aphodius rufus *Oqm."39 : 4+<"9"ó" WU" *7"gz0. "VX" fgv0+

Phyllopertha horticola *Nkppcgwu."397 : +<"6"ó"Ue jL" *5"gz0+=7"ó" I P="8"ó \ *5"gz0+=9"ó \ " *6"gz0+. "WU" *5"gz0. "VX" fgv0+

Rhizotrogus aestivus *Qnkxkgt."39 : ; +<"3"ó"RL" *3"gz0. "VX" fgv0+=7"ó"XR" *3"gz0+. "XX" *eec"72"gz0" xg"ux vgnp2 o"ncr a mw."37"gz0"kp"eqm0"XX+

Oxythyrea funesta *Rqfc."3983+<"4"ó"RL" *3"gz0+=6"ó"Ue jL" *3"gz0+=7"ó" I P." \ *3"gz0+=8"ó \ " *3"gz0+=**M33**

Cetonia aurata *Nkppcgwu."397 : +<"7"ó" I P." \ *3"gz0+=9"ó \ *3"gz0+

Potosia cuprea metallica * Jgtduv."39 : 4+<"9"ó" WU" *4"gz0. "VX" fgv0+

D{ttjkfcg

Lamprobyrrhulus nitidus *Ue jcmgt."39 : 5+<"8"ó"RL" *4"gz0. "DO" fgv0+

Cytilus sericeus *Hqtuvgt."3993+<"4"ó"Ue jL" *3"gz0+=7"ó"RL" *3"gz0. "DO" fgv0+

Byrrhus pillula *Nkppcgwu."397 : +<"9"ó"RL" *3"gz0. "DO" fgv0+

Byrrhus glabratus J ggt."3 : 63<"4"ó"Ue jL" *3"gz0+

Dwrtguvkfcg

Dicerca berolinensis * Jgtduv."399 ; +<"7"ó"RL" *4"gz0+. "WU" *3"gz0+=**M34**

Melanophila cyanea *Hcdtkekku."3997+<"6"ó"Ue jL" *3"gz0+

Anthaxia nitidula nitidula *Nkppcgwu."397 : +<"3"ó"RL" *5"gz0. "MN" fgv0+. "WU" *3"gz0+=7"ó"RL" *5"gz0. "MN" fgv0+. "WU" *4"gz0. "MN" fgv0+=9"ó"XR" *3"gz0+

Anthaxia suzannae Vj²t{.3;64<7"ó"RL"*7"gzl."MN"fgv0+."WU"*9"gzl."MN"fgv0+
Anthaxia godeti Ncrqtvg"fg"Ecuvgnpcw"gv" I qt{.3:69<9"ó" \ "*3"gzl+
Anthaxia helvetica "Uvkgtnkp."3:8:<5"ó"TL"*5"gzl+=6"ó"UejL"*4"gzl+
Anthaxia quadripunctata *Nkppcgwu."397: +<3"ó" \ "*3"gzl+=6"ó" \ "*4"gzl+."RL"*3"gzl+
Agrilus angustulus *Knmkigt."3:25+<7"ó"RL"*7"gzl."MN"fgv0+."WU"*7"gzl+=8"ó"WU"*5"gzl."MN"
 det.)
Agrilus aurichalceus N0" Tgfvdpdcejgt."3:6;<8"ó"VC"*3"gzl."MN"fgv0+
Agrilus olivicolor Mkgugpygvgt."3:79<8"ó"VC"*5"gzl."MN"fgv0+
Agrilus sinuatus *Qnkxkgt."39;2+<7"ó"RL"*3"gzl."MN"fgv0+=8"ó"WU"*4"gzl."MN"fgv0+
Agrilus sulcicollis Nceqtfckgt."3:57<7"ó"RL"*7"gzl."MN"fgv0+."WU"*7"gzl."MN"fgv0+
Agrilus viridis *Nkppcgwu."397: +<6"ó" \ "*4"gzl+
Aphanisticus pusillus *Qnkxkgt."39;2+<9"ó"RL"*4"gzl+
Trachys fragariae E0" Dtkuqvw"fg" Dctpgxknng."3:96<9"ó"RL"*4"gzl+
Trachys minutus *Nkppcgwu."397: +<3"ó"TL"*; "gzl+=7"ó"WU"*3"gzl+

Gnevgtkfcg

Agrypnus murinus *Nkppcgwu."397: +<6"ó" \ "*4"gzl+=7"ó" I P="8"ó" \ "*4"gzl+=9"ó" \ "*5"gzl+."
 RL"*5"gzl+
Athous haemorrhoidalis *Hcdtkekwu."3:23+<4"ó"WU"*3"gzl+=6"ó" \ "*4"gzl+=8"ó" \ "*4"gzl+=9"
 ó" \ "*3"gzl+."RL"*4"gzl+
Athous vittatus *Hcdtkekwu."39;4+<4"ó"TL"*3"gzl+
Athous subfuscus *Q0"H" OÁmgt."3989+<3"ó"PL"*UV"fgv0+."UejL"*3"gzl."D"fgv0+=4"ó"TL"*3"gzl+="
 5"ó"RO"*3"gzl."OL"fgv0+=9"ó"WU"*4"gzl+
Athous zebei Dcej."3:76<4"ó"UejL"*3"gzl."D"fgv0+=5"ó"RO"*3"gzl."OL"fgv0+
Cidnopus pilosus *Ngumg."39:7+<9"ó"RL"*4"gzl+
Nothodes parvulus *Rcp|gt."39; ;+<7"ó"WU"*5"gzl+
Kibunea minuta *Nkppcgwu."397: +<4"ó"RL"*3"gzl+=6"ó" \ "*4"gzl+."RL"*3"gzl+=7"ó"WU"*3"gzl+="
 8"ó" \ "*4"gzl+=9"ó"RL"*4"gzl+
Limonijs aeneoniger *Fg" I ggt."3996+<3"ó"RO"*3"gzl."OL"fgv0+=4"ó"UejL"*3"gzl."D"fgv0+."WU"
 *3"gzl+=7"ó"RL"*3"gzl+=9"ó"RL"*4"gzl+
Denticollis linearis *Nkppcgwu."397: +<3"ó"RL"*3"gzl+=7"ó"XR"*3"gzl+
Hemicrepidius niger *Nkppcgwu."397: +<3"ó"RL"*3"gzl+
Ctenicera cuprea *Hcdtkekwu."39:3+<4"ó"RL"*4"gzl."OL"fgv0+."TL"*3"gzl+=5"ó"OR"*3"gzl+
Ctenicera pectinicornis *Nkppcgwu."397: +<3"ó"PL"*UV"fgv0+."UejL"*7"gzl."D"fgv0+=4"ó"UejL"
 *9"gzl."D"fgv0+=5"ó" \ "*3"gzl+=6"ó"TL"*4"gzl+
Actenicerus sjaelandicus *Q0"H" OÁmgt."3986+<4"ó"RL"*3"gzl+
Aplotarsus incanus * I {nngpjcn."3:49+<3"ó"RL"*4"gzl."OL"fgv0+=5"ó"PL"*UV"fgv0+
Anostirus purpureus *Rqfc."3983+<4"ó"UejL"*3"gzl."D"fgv0+
Prosternon tessellatum *Nkppcgwu."397: +<6"ó" \ "*5"gzl+=8"ó" \ "*4"gzl+
Selatosomus latus *Hcdtkekwu."3:23+<7"ó"WU"*3"gzl+
Ampedus elongatulus *Hcdtkekwu."39:9+<7"ó"RL"*3"gzl+
Ampedus pomorum pomorum * Jgtduv."39:6+<7"ó"WU"*3"gzl+
Ampedus sanguineus *Nkppcgwu."397: +<7"ó"RL"*4"gzl."OL"fgv0+."WU"*3"gzl."QQ"fgv0+
Ampedus sinuatus I gtoct."3:66<8"ó"RL"*5"gzl+
Dalopius marginatus *Nkppcgwu."397: +<3"ó"RL"*4"gzl."OL"fgv0+."VC"*3"gzl."OL"fgv0+=6"ó"RL"

*3"gz0+=7"6"RO"*3"gz0."OL"fgy0+=8"6" \ "*4"gz0+=9"6" \ "*3"gz0+
Agriotes obscurus *Nkppcgwu."397: <4"6"TL"*3"gz0+
Agriotes pilosellus *Uej¼pjgtt."3: 39<6"6"WU"*4"gz0+
Agriotes sputator *Nkppcgwu."397: <9"6"RL"*4"gz0+
Sericus brunneus brunneus *Nkppcgwu."39: 7<4"6"RL"*3"gz0+=5"6"RO"*3"gz0."OL"fgy0+
Melanotus brunnipis * Igt o ct."3: 46<8"6" \ "*4"gz0+
Melanotus castanipes *Rc{ mwm."3: 22<4"6"RL"*3"gz0+=9"6"TL"*4"gz0+
Melanotus villosus * I gqhhtq{"kp"Hqwtetq{."39: 5<9"6"RO"*3"gz0."OL"fgy0+
Cardiophorus nigerrimus Gtkejuqp."3: 62<6"6"WU"*3"gz0+
Cardiophorus vestigialis Gtkejuqp."3: 62<7"6"RL"*3"gz0+

Ecpvjctkfcg

Ecpvjctku"Liwtvcv"Ocpptjgko."3: 65<3"6"PL
Cantharis fulvicollis fulvicollis Hcdtkekwu."39: 4<4"6"WU"*4"gz0."TM"R"fgy0+
Cantharis fusca Nkppcgwu."397: <6"6"UejL"*3"gz0."TM"X"fgy0+=7"6"WU"*5"gz0."TM"R"fgy0+=8"6"TM"R"
 *4"gz0+=9"6"TM"R"*4"gz0+
Cantharis lateralis Nkppcgwu."397: <4"6"WU"*4"gz0."TM"R"fgy0+=: "6"TM"R"*6"gz0+
Cantharis livida Nkppcgwu."397: <6"6"TM"R"*7"gz0+=: "6"TM"R"*4"gz0+
Cantharis nigricans *Q0"H0"OÄngt."3998<3"6"TM"R"*5"gz0+=6"6"UejL"*3"gz0."TM"X"fgy0+."TM"R"*4"gz0+."
 WU"*4"gz0."TM"R"fgy0+=7"6"WU"*4"gz0."TM"R"fgy0+=8"6"TM"R"*6"gz0+=: "6"TM"R"*4"gz0+
Cantharis obscura Nkppcgwu."397: <4"6"UejL"*3"gz0."TM"X"fgy0+=6"6"TM"R"*7"gz0+=8"6"TM"R"*3"gz0+
Cantharis paludosa Hcm²p."3: 29<3"6"TM"R"*4"gz0+=4"6"UejL"*3"gz0."TM"X"fgy0+
Cantharis pellucida Hcdtkekwu."39: 4<3"6"PL."UejL"*3"gz0."TM"X"fgy0+."TM"R"*3"gz0+=6"6"TM"R"*3"gz0+=
 8"6"RL"*3"gz0+."TM"R"*3"gz0+
Cantharis rufa rufa Nkppcgwu."397: <6"6"TM"R"*3"gz0+
Cantharis rustica Hcm²p."3: 29<8"6"TM"R"*3"gz0+
Metacantharis discoidea *Cjtgpu."3: 34<8"6"TM"R"*4"gz0+
Rhagonycha lignosa *Q0"H0"OÄngt."3986<3"6"UejL"*3"gz0."TM"X"fgy0+."TM"R"*4"gz0+=7"6"WU"*4"
 gz0."TM"R"fgy0+
Rhagonycha limbata E0" I0"Vjqouqp."3: 86<8"6"TM"R"*3"gz0+
Rhagonycha testacea *Nkppcgwu."397: <9"6"WU"*5"gz0."TM"R"fgy0+

Dquvtkejkfcg

Bostrichus capucinus *Nkppcgwu."397: <7"6"RL"*4"gz0+."WU"*4"gz0+

Cpqdkkfcg

Hedobia pubescens *Qnkxkgt."39: 2<7"6"RO"*4"gz0+
Ernobius nigrinus *Uvwt o."3: 59<8"6"RL"*3"gz0." \ R"fgy0+

Rvkpkfcg

Ptinus sexpunctatus Rcp|gt."39: 7<7"6"RL"*3"gz0." \ R"fgy0+

Fcu{vkfcg

Danacea pallipes *Rcp|gt."39: 5<7"6"IP
Dolichosoma lineare *Tquuk."39: 4<7"6"IP="8"6"TM"R"*8"gz0+=9"6"TM"R"*8"gz0+
Dasytes plumbeus *Q0"H0"OÄngt."3998<7"6"TM"R"*4"gz0+=8"6"TM"R"*3"gz0+

Ocncejkkfeg

Charopus graminicola *Fglgcp."3:55+<"9"ó"RL"*3"gz0+
Celidus equestris *Hcdtkekww."39:3+<"3"ó"™R"*3"gz0+
Celidus fasciatus *Nkppcgwu."397:+<"8"ó"™R"*4"gz0+
*Axinotarsus marginalis**Ncrqtvg"fg"Ecuvgnpcw."3:62+<"7"ó"™R"*3"gz0+
Clanoptilus viridis *Hcdtkekww."39:9+<"8"ó"™R"*7"gz0+
Malachius aeneus *Nkppcgwu."397:+<:"ó"™R"*3"gz0+
Malachius bipustulatus *Nkppcgwu."397:+<"3"ó"™R"*4"gz0+=<"6"ó"™R"*3"gz0+=<"7"ó"™R"*4"gz0+=<"8"ó"™R"*7"gz0+=<:"ó"™R"*4"gz0+

Pkvwfwkfcg

Epuraea neglecta *J ggt."3:63+<"7"ó"RO"*3"gz0."LL"fgv0+
Meligethes aeneus *Hcdtkekww."3997+<"7"ó"RO"*3"gz0."LL"fgv0+

Gtqv{nkfcg

*Triplax lepida**Hcdtkekww."3:57+<"8"ó"™R"*3"gz0+

Egt{uqpkfcg

Cerylon histeroidea *Hcdtkekww."39:4+<"7"ó"RO"*3"gz0."LL"fgv0+

Eqeekpgnkfcg

Coccidula rufa *J gtduv."39:5+<"3"ó"RL"*6"gz0+=<"4"ó"RU"*5"gz0."DX"fgv0+=<"9"ó"RU"*4"gz0."DX"det.)
Rhyzobius chrysomeloides *J gtduv."39:4+<"9"ó"RU"*4"gz0+
Scymnus auritus Vjwpdgti."39:7+<"3"ó"RU"*3"gz0+
Scymnus frontalis *Hcdtkekww."39:9+<"9"ó"RL"*4"gz0."DX"fgv0+
Hyperaspis campestris *J gtduv."39:5+<"3"ó"RO"*3"gz0."FX"fgv0+=<"5"ó"RO"*4"gz0."FX"fgv0+
Hyperaspis reppensis *J gtduv."39:5+<"9"ó"RU"*4"gz0+
Chilocorus renipustulatus *N0" I0"Uetkdc."39:3+<"9"ó"RU"*4"gz0+
Coccinula quatuordecimpustulata *Nkppcgwu."397:+<"9"ó"RL"*4"gz0+
Tytthapsis sedecimpunctata Nkppcgwu."397:<"6"ó"RU"*3"gz0+=<"7"ó" I P="9"ó"RL"*:"gz0+
Aphidecta obliterata *Nkppcgwu."397:+<"4"ó"RU"*5"gz0+=<"7"ó"RL"*3"gz0+.RO"*3"gz0."FX"fgv0+
*Adalia bipunctata**Nkppcgwu."397:+<"3"ó"UejL"*3"gz0+=<"9"ó"RL"*4"gz0+
Adalia decempunctata *Nkppcgwu."397:+<"3"ó"VC"*3"gz0+=<"7"ó" I P."RL"*3"gz0+
Harmonia quadripunctata *Rqpvr r kfc."3985+<"8"ó"VC"*3"gz0+=<"9"ó"RU"*3"gz0+
Hippodamia septemmaculata *Fg" I ggt."3997+<"3"ó"RU"*3"gz0+
Ceratomegilla undecimnotata *Uejpgtfgt."39:4+<"6"ó"UejL"*3"gz0+
Coccinella hieroglyphica hieroglyphica Nkppcgwu."397:<"3"ó"VC"*3"gz0+=<"4"ó"RU"*4"gz0+=<"5"ó"RO"*3"gz0."FX"fgv0+
Propylea quatuordecimpunctata *Nkppcgwu."397:+<"7"ó"RL"*3"gz0+=<"9"ó"RU"*4"gz0+=<:"ó"™R"*3"gz0+
Calvia decemguttata *Nkppcgwu."3989+<"7"ó"RL"*3"gz0+
*Calvia quatuordecimguttata**Nkppcgwu."397:+<"3"ó"RO"*3"gz0."FX"fgv0+=<"7"ó" I P="9"ó"RL"*4"gz0+
Myrrha octodecimguttata *Nkppcgwu."397:+<"7"ó" I P

Myzia oblongoguttata *Nkppcgwu."397 : +<"7"ó"RL"*3"gzl+= "9"ó"WU"*4"gzl+
Psyllobora vigintiduopunctata *Nkppcgwu."397 : +<"3"ó"VC"*3"gzl+= "9"ó"WU"*4"gzl+
Subcoccinella vigintiquatuorpunctata *Nkppcgwu."397 : +<"9"ó"RL"*4"gzl+
Cynegetis impunctata *Nkppcgwu."3989+<"9"ó"WU"*4"gzl+

Eqn{ fkkfcg

Synchita humeralis *Hcdtkekww."39 ; 4+<"9"ó"RO"*3"gzl. "LL" fgv0+

Ognpft{kfcg

Orchesia grandicollis Tqugpj cwgt. "3 : 69<"7"ó"UL

Qgfgogtkfcg

Oedemera virescens *Nkppcgwu."3989+<"4"ó"RL"*3"gzl+

R{tqejtqkfcg

Pyrochroa coccinea *Nkppcgwu."3983+<"6"ó"UejL"*3"gzl+
Schizotus pectinicornis *Nkppcgwu."397 : +<"3"ó"MR"*3"gzl+

Ognqkfcg

Meloe violaceus Octujco."3 : 24<"4"ó"MJL"*3"gzl+. "RL"*3"gzl+. "XX"*3"gzl+= "5"ó"XX"*3"gzl+=
M35

Ucnrkpikfcg

Xkpegp/gmwu"twŁeqmku *Rcp|gt."39 ; 6+<"7"ó"RL"*3"gzl+

Nci tkkfcg

Lagria hirta *Nkppcgwu."397 : +<"6"ó" \ "5"gzl+= "8"ó" \ "4"gzl+= "9"ó" \ "3"gzl+

Cngewnkfcg

Isomira murina *Nkppcgwu."397 : +<"7"ó"RL"*4"gzl+. "WU"*4"gzl+

Vgpgdtkqkfcg

Opatrum sabulosum *Nkppcgwu."3983+<"7"ó"RL"*5"gzl+= "9"ó"WU"*5"gzl+
Crypticus quisquilius *Nkppcgwu."3983+<"7"ó"WU"*5"gzl+
Cylindronotus aeneus *Ueqrqnk."3 : 85+<"8"ó"OR"*3"gzl+

Egto o d {ekfcg

Obrium brunneum *Hcdtkekww."39 ; 4+<"8"ó" \ "4"gzl+. "TL"*9"gzl+= "9"ó" \ "4"gzl+
Molorchus minor minor *Nkppcgwu."3989+<"3"ó"PL="5"ó"TL="32"gzl+. "WU"*4"gzl+= "7"ó"WU"*5"gzl+=
8"ó" \ "5"gzl+= "9"ó" \ "4"gzl+
Callidium violaceum *Nkppcgwu."397 : +<"3"ó"RL"*3"gzl+
Pyrrhidium sanguineum *Nkppcgwu."397 : +<"7"ó"RL"*4"gzl+. "WU"*8"gzl+
Phymatodes testaceus *Nkppcgwu."397 : +<"4"ó"WU"*3"gzl+
Anaglyptus mysticus *Nkppcgwu."397 : +<"4"ó"WU"*3"gzl+= "8"ó"TL"*3"gzl+
Plagionotus detritus *Nkppcgwu."397 : +<"7"ó"RL"*4"gzl+. "WU"*5"gzl+

Xylotrechus arvicola *Qnkxkgt."397; +<"7"6"RL"*4"gzl+=**M36**
Clytus arietis arietis *Nkppcgwu."397: +<"6"6"UejL"*3"gzl+=**"8"6" \ "3"gzl+**
Oxymirus cursor *Nkppcgwu."397: +<"3"6"PL."WU"*3"gzl+
Rhagium inquisitor inquisitor *Nkppcgwu."397: +<"3"6"RL"*4"gzl+=**"8"6"WU"*3"gzl+**
Rhagium mordax *Fg" I ggt."3997+<"4"6"WU"*3"gzl+
Rhagium bifasciatum *Hcdtkekwu."3997+<"5"6"RL"*3"gzl+."TL"*3"gzl+
Dinoptera collaris *Nkppcgwu."397: +<"6"6"UejL"*3"gzl+=**"8"6" \ "4"gzl+=**"9"6" \ "4"gzl+."XR"**
"3"gzl+
Cortodera femorata *Hcdtkekwu."39: 9+<"6"6"UejL"*3"gzl+=**"7"6" I P."RO"*3"gzl+=**"8"6" \ "9"gzl+=**"****
M37
Grammoptera ustulata *Uejcmgt."39: 5+<"6"6" \ "3"gzl+=**"8"6" \ "3"gzl+=**"9"6" \ "3"gzl+=**M38****
I t c o o q r v g t c " t w L e q t p k u " t w L e q t p k u *Hcdtkekwu."39: 3+<"6"6" \ "4"gzl+=**"8"6" \ "5"gzl+=**"9"6" \ "****
"4"gzl+
Alosterna tabacicolor tabacicolor *Fg" I ggt."3997+<"6"6"UejL"*4"gzl+."WU"*5"gzl+
Pedostrangalia revestita *Nkppcgwu."3989+<"8"6"TL"*3"gzl+=**M39**
Pachytodes cerambyciformis *Uejtcpm."39: 3+<"4"6"RL"*3"gzl+=**"8"6" \ "3"gzl+=**"9"6" \ "4"gzl+****
Stenurella melanura *Nkppcgwu."397: +<"3"6"WU"*3"gzl+=**"9"6"WU"*5"gzl+**
Stenurella nigra *Nkppcgwu."397: +<"6"6" \ "3"gzl+."UejL"*4"gzl+=**"8"6" \ "3"gzl+=**"9"6"XR"*3"****
gzl+
Mesosa nebulosa *Hcdtkekwu."39: 3+<"7"6"WU"*3"gzl+
Anaesthetis testacea *Hcdtkekwu."39: 3+<"7"6"RO"*3"gzl+=**"8"6"RL"*4"gzl+**
Pogonocherus hispidus *Nkppcgwu."397: +<"8"6"WU"*3"gzl+
Pogonocherus hispidulus *Rknngt"gv" Okvgttrcejgt."39: 5+<"7"6"RL"*3"gzl+=**"8"6"TL"*4"gzl+."WU"**
"3"gzl+
Pogonocherus fasciculatus *Fg" I ggt."3997+<"8"6" \ "3"gzl+
Leiopus nebulosus *Nkppcgwu."397: +<"7"6"RL"*9"gzl+=**"8"6"TL"*3"gzl+."WU"*5"gzl+**
Stenostola ferrea ferrea *Uejtcpm."3998+<"8"6" \ "5"gzl+
Phytoecia cylindrica *Nkppcgwu."397: +<"8"6"TL"*3"gzl+=**M3:**
Phytoecia coerulescens coerulescens *Ueqrqnk."3985+<"8"6"TL"*3"gzl+=**"9"6"VC"*4"gzl+**
Agapanthia intermedia Icpindcwtg."3: : 6<"8"6"TL"*3"gzl+=**"9"6"WU"*3"gzl+."XR"*3"gzl+********

E j t { u q o g n k f e g

Plateumaris consimilis *Uejtcpm."39: 3+<"3"6"PL"* \ O"fgv0+."VC"*4"gzl0." \ O"fgv0+."WU"*4"gzl0+
Donaciella cinerea Jgtduv."39: 6<"3"6"TMR"*4"gzl0+
Donaciella clavipes Hcdtkekwu."39; 5<"3"6"RL"* \ O"fgv0+."UL."RL"*32"gzl0." \ O"fgv0+."TMR"*6"gzl0+=
M3;
Donacia semicuprea Rcp|gt."39; 8<"3"6"PL"* \ O"fgv0+."RL"*32"gzl0." \ O"fgv0+."UL."TMR"*4"gzl0+."VC"
 * \ O"fgv0+."WU"*5"gzl0+
Donacia versicolore *Dtcj o."39; 2+<"3"6"VC"*4"gzl0." \ O"fgv0+
Orsodacne cerasi *Nkppcgwu."3; 7: +<"6"6"WU"*5"gzl0." \ O"fgv0+
Oulema gallaeciana *Jg{fgp."3: 92+<"3"6"UL="4"6"UL="6"6"UL
Lachnaia sexpunctata *Ueqrqnk."3985+<"7"6"TMR"*3"gzl0+."WU"*3"gzl0+=**M42**
Clytra laeviuscula Tcv|gdwti."3: 59<"3"6"VC"*3"gzl0." \ O"fgv0+
U o t c i f k p c " c h L p k u *Knnki gt."39; 6+<"9"6"WU"*4"gzl0+
Cryptocephalus aureolus aureolus Uwhhtkcp."3: 69<"3"6"UL
Cryptocephalus hypochaeridis *Nkppcgwu."397: +<"3"6"VC"*3"gzl0." \ O"fgv0+

Cryptocephalus moraei *Nkppcgwu."397: +<"3"ó"VC"*3"gzl." \ O" fgvl+= "6"ó"UL="9"ó"™R"*4"gzl+."
WU"*; "gzl+

Cryptocephalus sericeus *Nkppcgwu."397: +<"3"ó"VC"*4"gzl." \ O" fgvl+= "9"ó" F"*3"gzl+= "WU"*; "
gzl+

Cryptocephalus violaceus Nckejctkpi."39: 3<"3"ó"VC"*3"gzl." \ O" fgvl+= "9"ó"VC"*3"gzl." \ O"
det.)

Adoxus obscurus obscurus *Nkppcgwu."397: +<"3"ó"UL."™R"*4"gzl+= "4"ó"PL"* \ O" fgvl+."UL="7"ó"WU"
3"gzl+= "9"ó"WU"; "gzl+

Leptinotarsa decemlineata *Uc {."3: 46+<"3"ó"™R"*3"gzl+= "9"ó"WU"*4"gzl+

Chrysolina cerealis cerealis *Nkppcgwu."3989+<"9"ó"RL"*9"gzl." \ O" fgvl+."VC"*4"gzl." \ O" fgvl+= "
XR"*8"gzl+= "M43

Chrysolina haemoptera haemoptera *Nkppcgwu."397: +<"9"ó"RL"*9"gzl." \ O" fgvl+."VC"*7"gzl."
 \ O" fgvl+."WU"*; "gzl+

Chrysolina sanguinolenta *Nkppcgwu."397: +<"9"ó"WU"*6"gzl+

Chrysolina analis *Nkppcgwu."3989+<"9"ó"RL"*7"gzl." \ O" fgvl+."VC"*5"gzl." \ O" fgvl+= "K22

Chrysolina marginata marginata *Nkppcgwu."397: +<"9"ó"RL"*9"gzl." \ O" fgvl+."VC"*3"gzl." \ O"
det.)

Fastuolina fastuosa *Ueqrqnk."3985+<"7"ó"UL="8"ó"™R"*4"gzl+

Gastrophysa polygona *Nkppcgwu."397: +<"3"ó"™R"*3"gzl+

Gastrophysa viridula *Fg I ggt."3997+<"3"ó"™R"*3"gzl+= "6"ó"UL="8"ó"WU"*5"gzl+

Phaedon armoraciae *Nkppcgwu."397: +<"3"ó"UL

Phaedon cochleariae *Hcdtkekwu."39: 4+<"3"ó"UL

Plagioderma versicolora *Nckejctkpi."39: 3+<"3"ó"UL

Chrysomela populi Nkppcgwu."397: <"3"ó"UL="6"ó" \ *3"gzl+

Gonioctena decemnotata *Octujc o."3: 24+<"8"ó" \ *3"gzl+

Gonioctena viminalis *Nkppcgwu."397: +<"3"ó"VC"*3"gzl." \ O" fgvl+

Gonioctena quinquepunctata *Hcdtkekwu."39: 9+<"6"ó"WU"*4"gzl+= "7"ó"UL."WU"*3"gzl+

Phratora vitellinae *Nkppcgwu."397: +<"3"ó"UL="6"ó"UL

Galerucella lineola *Hcdtkekwu."39: 3+<"3"ó"UL="9"ó"WU"*5"gzl+

Galerucella pusilla *Fwhviej okf."3: 47+<"3"ó"PL"* \ O" fgvl+."UL="9"ó"WU"*4"gzl+

Galerucella tenella *Nkppcgwu."3983+<"3"ó"UL="6"ó"UL"*3"gzl+

Lochmaea capreae *Nkppcgwu."397: +<"3"ó"PL"* \ O" fgvl+."UL

Lochmaea suturalis *E0 I 0 Vjq ouqp."3: 88+<"5"ó"UL."™R"*5"gzl+."WU"*33"gzl+."XR"*3"gzl+= "
M45

Galeruca tanacetii tanacetii *Nkppcgwu."397: +<"9"ó"™R"*6"gzl+

Agelastica alni *Nkppcgwu."397: +<"3"ó"UL="6"ó"UL

Luperus lyperus *Uwn | gt."3998+<"8"ó"™R"*3"gzl+

Phyllotreta armoraciae *Mqej."3: 25+<"3"ó"UL="8"ó"WU"*5"gzl." \ O" fgvl+

Phyllotreta atra *Hcdtkekwu."3997+<"3"ó"UL="4"ó"UL="6"ó"RL"* \ O" fgvl+."UL="7"ó"WU"*4"gzl." \ O"
fgvl+= "8"ó"WU"*4"gzl." \ O" fgvl+= "9"ó"WU"*5"gzl." \ O" fgvl+

Phyllotreta christinae Jgkmgtkpigt."3: 63+<"7"ó"UL"*3"gzl+= "K24

Phyllotreta nigripes *Hcdtkekwu."3997+<"3"ó"UL="6"ó"UL="7"ó"WU"*; "gzl." \ O" fgvl+= "8"ó"WU"*6"
gzl." \ O" fgvl+

Phyllotreta ochripes *Ewtvku."3: 59+<"7"ó"UL="8"ó"WU"*4"gzl." \ O" fgvl+

Phyllotreta undulata Mvwuej gtc."3: 82+<"3"ó"UL="4"ó"UL="6"ó"UL="8"ó"WU"*4"gzl." \ O" fgvl+

Phyllotreta vittula *N0Tgfvdpdcejgt."3:6;+<"3"6"UL="4"6"UL="7"6"WU"* \ O"fgv0+= "8"6"RL"*5"gz0." \ O"fgv0+= "9"6"WU"* ; "gz0." \ O"fgv0+

Aphthona cyanella *N0Tgfvdpdcejgt."3:6;+<"3"6"UL="9"6"WU"*4"gz0." \ O"fgv0+= "M47

Aphthona euphorbiae *Uejtjcpm."39:3+<"3"6"UL="4"6"UL="8"6"WU"*5"gz0." \ O"fgv0+= "9"6"WU"*4"gz0+

Aphthona nigriscutis Hqwfteu."3:7; <"9"6"WU"*3"gz0." \ O"fgv0+= "M48

Aphthona nonstriata *Iqglg."3999+<"6"6"UL

Aphthona pygmaea pygmaea Mwwuejgtc."3:83<"8"6"WU"*5"gz0." \ O"fgv0+

Aphthona venustula venustula Mwwuejgtc."3:83<"7"6"UL."WU"*4"gz0." \ O"fgv0+= "8"6"RL"*5"gz0." \ O"fgv0+."WU"*4"gz0." \ O"fgv0+

Longitarsus kutscherai T{g."3:94<"9"6"TMR"*3"gz0."UL"fgv0+

Longitarsus nasturtii *Hcdtkekwu."39:4+<"6"6"UL

Longitarsus parvulus *Rc{mwmm."39; ; +<"3"6"UL

Longitarsus pratensis *Rcp|gt."39;6+<"9"6"WU"* ; "gz0." \ O"fgv0+

Longitarsus suturellus *Fwhvuej o kf."3:47+<"3"6"UL

Altica oleracea oleracea *Nkppcgwu."397: +<"5"6"UL

Hermeophaga mercurialis *Hcdtkekwu."39:4+<"7"6"TMR"*7"gz0+

Batophila rubi *Rc{mwmm."39;2+<"7"6"WU"*3"gz0." \ O"fgv0+

Asioestia ferruginea *Ueqrqnk."3985+<"4"6"UL="6"6"WU"*3"gz0." \ O"fgv0+= "9"6"WU"*5"gz0." \ O"det.)

Hippuriphila modeeri *Nkppcgwu."3983+<"3"6"RL"*3"gz0." \ O"fgv0+."UL

Crepidodera aurata aurata *Octujco."3:24+<"3"6"PL"* \ O"fgv0+."UL

Crepidodera aurea *I gqhhtq{."39:7+<"3"6"VC"*4"gz0." \ O"fgv0+= "7"6"UL."WU"*3"gz0." \ O"fgv0+

Crepidodera fulvicornis *Hcdtkekwu."39:4+<"3"6"PL"* \ O"fgv0+."UL."WU"*5"gz0+

Minota obesa *Ycnvn."3:5; +<"3"6"UL="K27

Chaetocnema concinna *Octujco."3:24+<"3"6"UL="6"6"WU"*3"gz0." \ O"fgv0+

Chaetocnema hortensis hortensis *I gqhhtq{."39:7+<"9"6"WU"*5"gz0." \ O"fgv0+

Chaetocnema mannerheimi *I {nngpjcn."3:49+<"6"6"UL

Dibolia cryptocephala *Mqej."3:25+<"9"6"WU"*3"gz0+= "M4:

Hispa atra Nkppcgwu."3989+<"7"6"XR"*3"gz0+

Cassida denticollis Uwhhtkcp."3:66+<"9"6"RL"* ; "gz0." \ O"fgv0+

Ecuiukfc *t cxgqnc"Vjwpdgti."39:6+<"3"6"UL="9"6"RL"*5"gz0." \ O"fgv0+."WU"* ; "gz0." \ O"fgv0+

Cassida nebulosa Nkppcgwu."397: <"8"6"WU"*5"gz0." \ O"fgv0+= "9"6"WU"*3"gz0." \ O"fgv0+

Cassida pannonica Uwhhtkcp."3:66+<"7"6"TMR"*3"gz0+

Cassida sanguinolenta Q0H|O Amgt."3998+<"9"6"VC"*3"gz0."RgL"fgv0+

Cassida stigmatica Uwhhtkcp."3:66+<"9"6"WU"*3"gz0."RgL"fgv0+

Cassida vittata Xknngtu."39: ; <"5"6"VC"*3"gz0."RgL"fgv0+

Cassida viridis Nkppcgwu."397: <"7"6"UL

Dtwejkfcg

Bruchus loti Rc{mwmm."3:22+<"9"6"VC"*3"gz0." \ O"fgv0+

Bruchidius picipes *Igt oct."3:46+<"6"6"UL

Cpvjtkdkfcg

Dissoleucas niveirostris *Hcdtkekwu."39: ; +<"8"6"RO"*3"gz0+

Brachytarsus nebulosus *H4tuvgt."3993+<"3"ó"RO"*4"gzl+."UL."™R"*4"gzl+="4"ó"UL="7"ó" I P."TL"
*3"gzl." F"fgv0+."UL."™R"*4"gzl+."™T"*3"gzl." F"fgv0+

Ewtewnkqpkfcg

Pselaphorhynchites longiceps *E0" I 0"Vjq o ruqp."3: : +<"3"ó"UM"*4"gzl+."WU"*3"gzl."QQ"fgv0+
Pselaphorhynchites nanus *Rc{ nwmn."39; 4+<"3"ó"UL."UM"*3"gzl+="7"ó"UL
Lasiorhynchites sericeus *J gtduv."39; 9+<"7"ó"WU"*3"gzl."DU"fgv0+
Lasiorhynchites olivaceus *I {nngpj cn."3: 55+<"7"ó"WU"*4"gzl."DU"fgv0+."XR"*3"gzl."™T"fgv0+="8"
ó"™R"*5"gzl+
Caenorhinus aeneovirens *Octujc o."3: 24+<"8"ó"WU"*5"gzl."DU"fgv0+
Caenorhinus aequatus *Nkppcgwu."3989+<"7"ó"WU"*3"gzl."DU"fgv0+="9"ó"UM"*3"gzl+."™R"*5"gzl+
Caenorhinus germanicus *J gtduv."39; 9+<"3"ó"UL."UM"*4"gzl+."VC"*3"gzl."ML"fgv0+."WU"*3"gzl."
ML"fgv0+="7"ó"WU"*4"gzl."QQ"fgv0+="9"ó"WU"*5"gzl."QQ"fgv0+
Rhynchites caeruleus *Fg" I ggt."3997+<"7"ó"RO"*3"gzl."ML"fgv0+
Rhynchites cupreus *Nkppcgwu."397: +<"7"ó"RO"*3"gzl."ML"fgv0+="8"ó"TL"*3"gzl+
Rhynchites bacchus *Nkppcgwu."397: +<"7"ó"WU"*4"gzl+="8"ó"TL"*7"gzl+."™T"*6"gzl." F"fgv0+="9"
ó"XR"*8"gzl."™T"fgv0+
Byctiscus betulae *Nkppcgwu."397: +<"3"ó"TL"*3"gzl+="5"ó"TL"*3"gzl+
Deporaus betulae *Nkppcgwu."397: +<"3"ó"UL."VC"*3"gzl."ML"fgv0+="4"ó"WU"*5"gzl+="7"ó"™R"*3"
gzl+."WU"*3"gzl+
Atelabus nitens *Ueqrqnk."3985+<"4"ó"WU"*3"gzl+="7"ó"UM"*4"gzl+."WU"*4"gzl."QQ"fgv0+
Apion brevirostre J gtduv."39; 9<"7"ó"UL."WU"*4"gzl."QQ"fgv0+="8"ó"UM"*3"gzl+="9"ó"WU"*3"gzl+
Apion curtirostre I gto ct."3: 39<"3"ó"TL"*3"gzl+."UL."UM"*4"gzl+."WU"*4"gzl+="8"ó"UM"*3"gzl+="9"
ó"™T"*4"gzl." F"fgv0+."WU"*6"gzl."QQ"fgv0+."XR"*3"gzl."™T"fgv0+
Apion marchicum J gtduv."39; 9<"3"ó"UL="9"ó"™T"*9"gzl." F"fgv0+."WU"*3"gzl."QQ"fgv0+."XR"
*3"gzl."™T"fgv0+
Apion violaceum Mkt d{."3: 2: <"3"ó"UM"*3"gzl+="4"ó"UM"*3"gzl+="6"ó"UL="7"ó"™T"*36"gzl." F"fgv0+="
9"ó"WU"*3"gzl+."XR"*3"gzl."™T"fgv0+
Apion simum I gto ct."3: 39<"9"ó"™T"*4"gzl." F"fgv0+
Crkqp"fkhlėkig J gtduv."39; 9<"3"ó"UM"*3"gzl+="7"ó"UL="8"ó"TL"*3"gzl." F"fgv0+."UM"*35"gzl+."™T"
*3"gzl." F"fgv0+="9"ó"™T"*3"gzl." F"fgv0+
Apion formaneki Yci pgt."3; 4: <"3"ó"UL="9"ó"UM"*8"gzl+."WU"*3"gzl."DU"fgv0+="M4;
Apion fuscirostre *Hedtkekwu."3997+<"9"ó"RL"*6"gzl."ML"fgv0+."UM"*33"gzl+
Apion cruentatum Ycnvqp."3: 66<"3"ó"UM"*3"gzl+="9"ó"UM"*3"gzl+
Apion haematodes Mkt d{."3: 2: <"9"ó"™T"*3"gzl." F"fgv0+."XR"*4"gzl."™T"fgv0+
Apion minimum J gtduv."39; 9<"3"ó"TL"*3"gzl+."UL."UM"*4"gzl+
Apion pallipes Mkt d{."3: 2: <"7"ó"UL."™R"*3"gzl+."WU"*4"gzl."QQ"fgv0+
Apion urticarium *J gtduv."39: 6+<"4"ó"WU"*9"gzl+="8"ó"™R"*3"gzl+."ó"™R"*3"gzl+
Apion atomarium Mkt d{."3: 2: <"8"ó"UM"*6"gzl+="9"ó"UM"*3"gzl+."™T"*3"gzl." F"fgv0+."WU"*3"
gzl."ML"fgv0+
Apion seniculus Mkt d{."3: 2: <"3"ó"UM"*3"gzl+
Apion onopordi Mkt d{."3: 2: <"8"ó"UM"*4"gzl+
Apion hookeri Mkt d{."3: 2: <"3"ó"UM"*3"gzl+="4"ó"UL."UM"*7"gzl+="5"ó"TL"*3"gzl+="7"ó"WU"*5"gzl."
OO det.)
Apion loti Mkt d{."3: 2: <"3"ó"TL"*3"gzl+."UL."UM"*3"gzl+="9"ó"™T"*3"gzl." F"fgv0+."VC"*6"gzl."DU"

det.)

- Apion immune* Mkt d { . " 3 : 2 : < " 8 " 6 " TL " * 3 " gz 0 += " M52
Apion afer I { nngp j ca . " 3 : 55 < " 3 " 6 " UM " * 3 " gz 0 +
Apion gyllenhali Mkt d { . " 3 : 2 : < " 3 " 6 " UM " * 4 " gz 0 +
Apion spencii Mkt d { . " 3 : 2 : < " 3 " 6 " UM " * 3 " gz 0 +
Apion pavidum I gt o ct . " 3 : 39 < " 8 " 6 " UM " * ; " gz 0 += " 9 " 6 " UM " * 4 " gz 0 +
Apion simile Mkt d { . " 3 : 33 < " 3 " 6 " UL = " 5 " 6 " TL " * 3 " gz 0 += " 8 " 6 " TL " * 3 " gz 0 +
Apion ervi Mkt d { . " 3 : 33 < " 3 " 6 " RL " * 3 " gz 0 + . " TL " * 7 " gz 0 + . " UL = " 4 " 6 " UM " * 47 " gz 0 += " 8 " 6 " TL " * 7 " gz 0 += " 9 " 6 " WU " * 6 " gz 0 . " DU " fg v 0 +
Apion viciae * Rc { mwnn . " 3 : 22 < " 3 " 6 " TL " * 4 " gz 0 + . " UL . " UM " * : " gz 0 +
Apion cerdo I gt uv @ emgt . " 3 : 76 < " 3 " 6 " UM " * 3 " gz 0 +
Apion craccae * Nkppcgwu . " 3989 < " 7 " 6 " UL . " TM T " * 3 " gz 0 . " F " fg v 0 + . " WU " * 4 " gz 0 . " QQ " fg v 0 += " 8 " 6 " TL " * 7 " gz 0 + . " UM " * 3 " gz 0 + . " TM T " * 3 " gz 0 . " F " fg v 0 + . " WU " * 5 " gz 0 += " 9 " 6 " RO " * 3 " gz 0 . " ML " fg v 0 + . " TM T " * 3 " gz 0 . " F " fg v 0 + . " WU " * 6 " gz 0 . " ML " fg v 0 + . " XR " * 3 " gz 0 . " TM T " fg v 0 +
Apion virens * J gt duv . " 39 ; 9 < " 7 " 6 " WU " * 3 " gz 0 . " QQ " fg v 0 += " 9 " 6 " WU " * 3 " gz 0 . " DU " fg v 0 +
Apion astragali * Rc { mwnn . " 3 : 22 < " 3 " 6 " UM " * : " gz 0 + . " TM R " * 8 " gz 0 +
Apion apricans J gt duv . " 39 ; 9 < " 3 " 6 " TL " * ; " gz 0 + . " UL = " 4 " 6 " UL . " WU " * 4 " gz 0 . " QQ " fg v 0 += " 8 " 6 " WU " * 3 " gz 0 . " QQ " fg v 0 += " 9 " 6 " TM T " * 3 " gz 0 . " F " fg v 0 + . " WU " * 6 " gz 0 . " DU " fg v 0 + . " XR " * 4 " gz 0 . " TM T " fg v 0 +
Apion assimile * Mkt d { . " 3 : 2 : < " 3 " 6 " UM " * 6 " gz 0 += " 9 " 6 " WU " * 5 " gz 0 . " DU " fg v 0 +
Crkqp L nkt qv t g " Mkt d { . " 3 : 2 : < " 7 " 6 " UL
Apion fulvipes Hq wt et q { . " 39 : 7 < " 3 " 6 " UL . " UM " * 3 " gz 0 += " 4 " 6 " WU " * 4 " gz 0 . " QQ " fg v 0 += " 6 " 6 " UL = " 8 " 6 " WU " * 5 " gz 0 . " DU " fg v 0 += " 9 " 6 " UM " * 3 " gz 0 + . " WU " * 6 " gz 0 . " DU " fg v 0 +
Apion gracilipes F k g v t k e j . " 3 : 79 < " 3 " 6 " UM " * 3 " gz 0 += " M53
Apion nigrirtarse Mkt d { . " 3 : 2 : < " 6 " 6 " UL = " 8 " 6 " TM T " * 3 " gz 0 . " F " fg v 0 +
Apion trifolii * Nkppcgwu . " 3989 < " 3 " 6 " TL " * 3 " gz 0 += " 9 " 6 " WU " * 7 " gz 0 . " QQ " fg v 0 +
Otiorthynchus niger * Hcdtkewu . " 3997 < " 4 " 6 " UL
Otiorthynchus raucus * Hcdtkewu . " 3999 < " 8 " 6 " WU " * 5 " gz 0 . " QQ " fg v 0 +
Otiorthynchus scaber * Nkppcgwu . " 397 : < " 8 " 6 " WU " * 3 " gz 0 . " DU " fg v 0 +
Otiorthynchus singularis * Nkppcgwu . " 3989 < " 3 " 6 " WU " * 3 " gz 0 . " DU " fg v 0 += " 8 " 6 " TM R " * 4 " gz 0 + . " WU " * 5 " gz 0 . " OO det .)
Otiorthynchus sulcatus * Hcdtkewu . " 3997 < " 7 " 6 " WU " * 4 " gz 0 . " DU " fg v 0 +
Otiorthynchus ovatus * Nkppcgwu . " 397 : < " 8 " 6 " RL " * 3 " gz 0 += " 9 " 6 " RO " * 3 " gz 0 . " ML " fg v 0 +
Otiorthynchus ligustici ligustici * Nkppcgwu . " 397 : < " 9 " 6 " WU " * 6 " gz 0 . " ML " fg v 0 +
Simo hirticornis * J gt duv . " 39 ; 7 < " 3 " 6 " TM R " * 3 " gz 0 += " 7 " 6 " UL . " TM R " * 8 " gz 0 + . " TM T " * 4 " gz 0 . " F " fg v 0 + . " WU " * 4 " gz 0 . " QQ " fg v 0 += " 8 " 6 " TM R " * 3 " gz 0 + . " WU " * 5 " gz 0 . " QQ " fg v 0 +
Phyllobius cloropus * Nkppcgwu . " 397 : < " 3 " 6 " PL " * Mq N " fg v 0 + . " RL " * 33 " gz 0 + . " RO " * 3 " gz 0 . " ML " fg v 0 + . " UL = " 7 " 6 " WU " * 4 " gz 0 . " QQ " fg v 0 += " 9 " 6 " RL " * 6 " gz 0 . " QQ " fg v 0 + . " TM R " * 5 " gz 0 +
Phyllobius oblongus * Nkppcgwu . " 397 : < " 3 " 6 " UL
Phyllobius arborator * J gt duv . " 39 ; 9 < " 7 " 6 " WU " * 4 " gz 0 . " QQ " fg v 0 += " 8 " 6 " TM R " * 4 " gz 0 +
Phyllobius argentatus * Nkppcgwu . " 397 : < " 3 " 6 " UL = " 6 " 6 " TM R " * 3 " gz 0 += " 7 " 6 " UL . " TM R " * 6 " gz 0 + . " WU " * 5 " gz 0 . " OO det .)
Phyllobius calcaratus * Hcdtkewu . " 39 ; 4 < " 3 " 6 " TL " * 32 " gz 0 + . " UL = " 4 " 6 " WU " * 5 " gz 0 . " QQ " fg v 0 += " 7 " 6 " UL
Phyllobius pomaceus I { nngp j ca . " 3 : 56 < " : " 6 " TM R " * 3 " gz 0 +
Phyllobius pyri * Nkppcgwu . " 397 : < " 7 " 6 " UL . " WU " * 4 " gz 0 . " QQ " fg v 0 += " : " 6 " TM R " * 3 " gz 0 +
Phyllobius vespertinus * Hcdtkewu . " 39 ; 4 < " 8 " 6 " WU " * 3 " gz 0 . " ML " fg v 0 +

Rhinomias forticornis *Dqj g o cp."3 : 65<"3"ó"WU"*3"gzl."QQ"fgv0+=7"ó"UL="8"ó"WU"*4"gzl."QQ" det.); **M54**

Trachyphloeus bifoveolatus *Dgem."3 : 39<"9"ó"VC"*4"gzl."ML"fgv0+

Trachyphloeus rectus *E0" I 0"V j q o uqp."3 : 87<"7"ó"WU"*3"gzl0+=9"ó"VC"*3"gzl."ML"fgv0+=**M55**

Polydrusus impar Fgu" I q | ku."3 : 4<"9"ó"VC"*3"gzl."ML"fgv0+

Polydrusus marginatus *Uvgr j gpu."3 : 53<"3"ó"UL="4"ó"UL="7"ó"RL"*3"gzl."ML"fgv0+."UL."™R"*8"gzl0+."™T"*9"gzl." F"fgv0+."XR"*4"gzl."™T"fgv0+=8"ó"TL"*;"gzl0+."™R"*7"gzl0+."WU"*5"gzl0+

Polydrusus cervinus *Nkppcgwu."397 : +<"3"ó"TL"*33"gzl0+."UL="6"ó"UL="7"ó"UL."™R"*6"gzl0+."™T"*5"gzl0+." F"fgv0+=8"ó"WU"*3"gzl0+

*Rqn{ftwuwu"eqpłwgpu"Uvgr j gpu."3 : 53<"7"ó"UL="8"ó"TL"*7"gzl0+."™T"*6"gzl0+." F"fgv0+*

Polydrusus pilosus I tg fngt."3 : 88<"7"ó"WU"*4"gzl0."QQ"fgv0+

Polydrusus picus *Hcdtkekwu."39 : 4<"7"ó"™R"*4"gzl0+

Polydrusus undatus *Hcdtkekwu."39 : 3<"3"ó"UL="7"ó"UL."WU"*;"gzl0."QQ"fgv0+=8"ó"WU"*5"gzl0+

Polydrusus mollis *Uvt¼ o ."398 : +<"7"ó"UL"*3"gzl0+."™R"*4"gzl0+

Polydrusus sericeus *Uej cmgt."39 : 5<"8"ó"™R"*3"gzl0+=9"ó"XR"*3"gzl0+."™T"fgv0+

Scythropus mustela * J gtduv."39 : 9<"9"ó"RL"*6"gzl0."ML"fgv0+

Eusomus ovulum I gt o ct."3 : 46<"7"ó"UL="8"ó"™R"*7"gzl0+=9"ó"™R"*7"gzl0+."™T"*3"gzl0+." F"fgv0+

Sciaphilus asperatus *Dqpu f qthh."39 : 7<"3"ó"™T"*3"gzl0+." F"fgv0+=4"ó"WU"*4"gzl0."QQ"fgv0+

Brachysomus echinatus *Dqpu f qthh."39 : 7<"7"ó"UL."™R"*3"gzl0+."™T"*33"gzl0+." F"fgv0+."WU"*4"gzl0."QQ"fgv0+."XR"*:"gzl0+."™T"fgv0+=8"ó"WU"*5"gzl0+."ML"fgv0+

Barypeithes mollicomus *C j t gpu."3 : 34<"7"ó"UL."WU"*5"gzl0."QQ"fgv0+."XR"*5"gzl0+."™T"fgv0+=8"ó"™T"*36"gzl0+." F"fgv0+."WU"*5"gzl0+

Barypeithes pellucidus *Dqj g o cp."3 : 65<"6"ó"UL

Brachyderes incanus *Nkppcgwu."397 : +<"7"ó"UL."™R"*4"gzl0+=9"ó"VC"*6"gzl0+."QQ"fgv0+

Strophosoma capitatum *F g" I ggt."3997<"7"ó"UL."™R"*3"gzl0+."™T"*8"gzl0+." F"fgv0+."WU"*5"gzl0+."XR"*8"gzl0+."™T"fgv0+=8"ó" I P."RL"*3"gzl0+."™R"*4"gzl0+."WU"*5"gzl0+."DU"fgv0+=9"ó"WU"*5"gzl0+."DU" det.)

Strophosoma melanogrammum *Hqtuvgt."3993<"3"ó"RL"*3"gzl0+."UL="4"ó"UL."WU"*4"gzl0+."QQ" det.)

Strophosoma faber * J gtduv."39 : 7<"9"ó"™R"*5"gzl0+."™T"*6"gzl0+." F"fgv0+."WU"*5"gzl0+."ML"fgv0+."XR"*5"gzl0+."™T"fgv0+

Barynotus obscurus *Hcdtkekwu."3997<"6"ó"UL

Sitona ambiguus I { mngp j cn."3 : 46<"9"ó"WU"*6"gzl0."ML"fgv0+

Sitona cylindricollis *Hc j t cgwu."3 : 62<"3"ó"PL"*MqN"fgv0+

Sitona hispidulus *Hcdtkekwu."3998<"7"ó"™T"*3"gzl0+." F"fgv0+=8"ó"™R"*3"gzl0+=9"ó"VC"*4"gzl0+." KJ det.)

Sitona humeralis *Uvgr j gpu."3 : 53<"3"ó"UL="6"ó"UL="9"ó"™T"*3"gzl0+." F"fgv0+

Sitona lineatus *Nkppcgwu."397 : +<"3"ó"UL."™R"*3"gzl0+."WU"*3"gzl0+."DU"fgv0+=4"ó"UL."VC"*3"gzl0+."ML"fgv0+."WU"*3"gzl0+."ML"fgv0+=6"ó"UL="7"ó"XR"*3"gzl0+."™T"fgv0+=8"ó"WU"*5"gzl0+."ML"fgv0+=9"ó"XR"*3"gzl0+."™T"fgv0+

Sitona macularis *Octu j c o ."3 : 24<"7"ó"UL."XR"*3"gzl0+."™T"fgv0+=8"ó"WU"*5"gzl0+."ML"fgv0+=9"ó"™T"*3"gzl0+." F"fgv0+."WU"*6"gzl0+."ML"fgv0+."XR"*3"gzl0+."™T"fgv0+

Sitona puncticollis *Uvgr j gpu."3 : 53<"3"ó"UL="9"ó"RO"*3"gzl0+."ML"fgv0+

Sitona striatellus I { mngp j cn."3 : 56<"7"ó"UL="8"ó"TL"*;"gzl0+."™T"*6"gzl0+." F"fgv0+=9"ó"WU"*3"gzl0+." KJ det.)

Sitona sulcifrons *Vjwpdgti."39; :+<"3"ó"RO"*3"gz0."ML"fgv0+=<"4"ó"WU"*4"gz0."ML"fgv0+=<"6"ó"UL="7"ó"UL="9"ó"TM"3"gz0." F"fgv0+."WU"*3"gz0."ML"fgv0+
Sitona suturalis Uvgrjgpu."3:53<"3"ó"PL"*MqN"fgv0+."UL="8"ó"TM"3"gz0." F"fgv0+
Sitona waterhousei Ycmvqp."3:68<"3"ó"UL
Lixus waterhousei Qnkkgt."3:29<:"6"TM"4"gz0+
Lixus ochraceus Dqjgocp."3:65<"9"ó"TM"3"gz0+=<"M56
Larinus brevis *Jgtduv."39;7+<"9"ó"TM"3"gz0." F"fgv0+
Larinodontes planus *Hcdtkkwu."39;4+<"3"ó"TL"*5"gz0+."UL="7"ó"TM"3"gz0." F"fgv0+=<"9"ó"WU"*3"gz0."ML"fgv0+
Larinodontes turbinatus I{nggpjcn."3:58<"3"ó"TL"*3"gz0+=<"9"ó"WU"*5"gz0."ML"fgv0+
Rhinocyllus conicus *Ht34njej."39;4+<"3"ó"UL."TM"3"gz0+=<"9"ó"WU"*3"gz0."ML"fgv0+
Rhyncolus ater *Nkppcgwu."397;+<"7"ó"WU"*4"gz0."ML"fgv0+=<"8"ó"RO"*3"gz0."ML"fgv0+
Hydronomus alismatis *Octujco."3:24+<"6"ó"UL
Dorytomus dejeani Hcwuv."3: :4<"7"ó"UL."WU"*4"gz0+
Dorytomus tortrix *Nkppcgwu."3983+<"7"ó"WU"*3"gz0+
Notaris acridulus acridulus *Nkppcgwu."397;+<"3"ó"WU"*3"gz0."DU"fgv0+
Notaris scirpi *Hcdtkkwu."39;4+<"6"ó"TL"*3"gz0+
Thryogenes nereis *Rc{mwmm."3:22+<"3"ó"TM"4"gz0." F"fgv0+
Ellescus bipunctatus *Nkppcgwu."397;+<"3"ó"UL
Acalyptus sericeus I{nggpjcn."3:58<"3"ó"TL"*4"gz0+
Tychius meliloti Uvgrjgpu."3:53<"9"ó"WU"*3"gz0."ML"fgv0+
Tychius parallelus *Rcp|gt."397;+<"9"ó"RL"*5"gz0."ML"fgv0+
Tychius picirostris *Hcdtkkwu."39:9+<"3"ó"UL."WU"*3"gz0."DU"fgv0+=<"7"ó"UL="8"ó"TM"4"gz0+."TM"3"ó"gz0." F"fgv0+=<"9"ó"TM"3"3"gz0." F"fgv0+."VC"*4"gz0."ML"fgv0+."WU"*4"gz0."ML"fgv0+."XR"*9"gz0."TM"3"fgv0+
Sibinia pellucens *Ueqrqnk."3994+<"8"ó"TL"*3"gz0+
Sibinia subeliptica *Fgudtqejgtu."3:95+<"7"ó"UL="8"ó"TL"*7"gz0+=<"9"ó"TM"4"gz0." F"fgv0+
*Anthonomus rubi**Jgtduv."39;7+<"3"ó"TL"*4"gz0+=<"6"ó"UL="7"ó"WU"*3"gz0+=<"9"ó"TM"4"gz0." F"det.)
Anthonomus phyllocola *Jgtduv."39;7+<"7"ó"XR"*3"gz0."TM"3"fgv0+=<"8"ó"WU"*3"gz0."ML"fgv0+=<"9"ó"TM"3"6"gz0." F"fgv0+
Furcipes rectirostris *Nkppcgwu."397;+<"7"ó"RO"*3"gz0."ML"fgv0+=<"9"ó"WU"*4"gz0."ML"fgv0+
Brachonyx pineti *Rc{mwmm."39;4+<"7"ó"UL
Bradybatus kellneri"Dcej."3:76<"7"ó"RL"*4"gz0."ML"fgv0+
Curculio glandium Octujco."3:24<"7"ó"IP."TM"4"gz0+
Curculio nucum Nkppcgwu."397;+<"7"ó"WU"*3"gz0."DU"fgv0+
Curculio pyrrhoceras Octujco."3:24<"7"ó"UL
Curculio salicivorus Rc{mwmm."39;4+<"3"ó"VC"*3"gz0."ML"fgv0+=<"9"ó"TM"3"3"gz0." F"fgv0+."TL"*4"gz0." F"fgv0+
Curculio venosus *Ictxgpgjqtuv."3:29+<"8"ó"WU"*4"gz0."ML"fgv0+
Pissodes piniphilus *Jgtduv."39;7+<"7"ó"WU"*5"gz0."QQ"fgv0+
Pissodes scabricollis Oknngt."3:7;+<"5"ó"VC"*3"gz0."ML"fgv0+=<"M57
*Magdalis twleqtpku**Nkppcgwu."397;+<"7"ó"RO"*4"gz0."ML"fgv0+."UL="9"ó"WU"*3"gz0."ML"fgv0+
*Magdalis cerasi**Nkppcgwu."397;+<"7"ó"WU"*4"gz0."QQ"fgv0+
Magdalis duplicata Igtocet."3:46<"7"ó"RO"*3"gz0."ML"fgv0+."TM"3"3"gz0." F"fgv0+."XR"*3"gz0."

TMT" fgv0+=9"6"WU"*3"gz0."ML" fgv0+."XR"*3"gz0."TMT" fgv0+
Magdalis frontalis * I { nngpj cn."3: 49<"7"6"RL"*3"gz0."DU" fgv0+."WU"*3"gz0."QQ" fgv0+
Magdalis linearis * I { nngpj cn."3: 49<"8"6"WU"*3"gz0."ML" fgv0+
Magdalis phlegmatica * J gtduv."39; 9<"8"6"VC"*3"gz0."ML" fgv0+
Magdalis violacea *Nkppcgwu."397: +<"7"6"RO"*4"gz0."ML" fgv0+."WU"*3"gz0."QQ" fgv0+
Trachodes hispidus *Nkppcgwu."397: +<"7"6"UL="8"6"RO"*4"gz0."ML" fgv0+."TMR"*3"gz0+."TMT"*3"gz0+."F" fgv0+."WU"*3"gz0."ML" fgv0+
Lepyrus capucinus *Uejcmngt."39: 5<"6"6"UL
*Hylobius abietis**Nkppcgwu."397: +<"6"6"TMR"*3"gz0+=9"6"TMR"*3"gz0+
Hypera arator *Nkppcgwu."397: +<"3"6"TL"*4"gz0+
Hypera meles *Hcdtkkwu."39; 4<"9"6"TMT"*3"gz0+."F" fgv0+."VC"*3"gz0."ML" fgv0+."XR"*5"gz0."TMT" det.)
Hypera nigrirostris *Hcdtkkwu."3997<"3"6"VC"*3"gz0."ML" fgv0+
Hypera rumicis *Nkppcgwu."397: +<"3"6"TL"*3"gz0+
Hypera suspiciosa * J gtduv."39; 7<"3"6"RL"*4"gz0+."TL"*3"gz0+."UL" VC"*3"gz0."ML" fgv0+."WU"*3"gz0+=6"6"UL
Acalles aubei Dqj g o cp."3: 59<"8"6"RO"*7"gz0."ML" fgv0+."TMR"*38"gz0+."WU"*3"gz0+=**M58**
*Acalles echinatus** I gt o ct."3: 46<"8"6"TMT"*3"gz0+."F" fgv0+=**M59**
Acalles fallax Boheman, 1844 (= *A. commutatus* Fkgem o cpp."3: ; 4<"7"6"UL="8"6"WU"*3"gz0+."KJ det.); **M5**:
Acalles hypocrita Dqj g o cp."3: 59<"7"6"UL."WU"*4"gz0."QQ" fgv0+=8"6"TMR"*3"gz0+."WU"*3"gz0."ML" det.); **M5**;
Acalles pyrenaes Dqj g o cp."3: 66<"4"6"TL"*4"gz0+."F" fgv0+=7"6"UL="8"6"TMR"*3"gz0+=**M62**
Limnobaris dolorosa * I qg | g."3999+<"3"6"RL"*3"gz0+."TL"*3"gz0+."UL
Limnobaris t-album atriplicis *Hcdtkkwu."39; 4<"3"6"WU"*4"gz0."DU" fgv0+=6"6"UL
Pelenomus comari * J gtduv."39; 7<"9"6"WU"*9"gz0."ML" fgv0+
Rhinoncus castor *Hcdtkkwu."39; 4<"6"6"UL="8"6"VC"*3"gz0."ML" fgv0+=9"6"TMT"*8"gz0+."F" fgv0+."VC"*3"gz0."ML" fgv0+."XR"*3"gz0."TMT" fgv0+
Rhinoncus pericarpus *Nkppcgwu."397: +<"6"6"UL="8"6"WU"*3"gz0."ML" fgv0+=9"6"TMT"*3"gz0+."F" fgv0+."WU"*3"gz0."ML" fgv0+
*Amalus scortillum** J gtduv."39; 7<"8"6"TMT"*3"gz0+."F" fgv0+."WU"*3"gz0."ML" fgv0+=9"6"TMR"*3"gz0+."UL" fgv0+."XR"*3"gz0."TMT" fgv0+
Tapinotus sellatus *Hcdtkkwu."39; 6<"3"6"TL"*3"gz0+."UL
Coeliodes rubicundus * J gtduv."39; 7<"3"6"TL"*3"gz0+."UL
*Coeliodes erythroleucos** I o gnkp."39; 2<"7"6"WU"*4"gz0."QQ" fgv0+=8"6"WU"*3"gz0."ML" fgv0+
Micrelus ericae * I { nngpj cn."3: 35+<"5"6"RL"*8"gz0."ML" fgv0+."UL" VC"*4"gz0."ML" fgv0+."OR"*3"gz0+."TMT" fgv0+."XR"*4"gz0."TMT" fgv0+=**M63**
Zacladus geranii *Rc { mwmn."3: 22+<"3"6"WU"*3"gz0+
*Egwwqtj | pfejwu" tqt cnku**Rc { mwmn."39; 4+<"3"6"WU"*5"gz0."ML" fgv0+=4"6"WU"*4"gz0."ML" fgv0+=6"6"RO"*3"gz0."ML" fgv0+."UL" TMT"*6"gz0+."F" fgv0+=7"6"UL."WU"*4"gz0."QQ" fgv0+=8"6"WU"*3"gz0."ML" fgv0+=9"6"TMR"*3"gz0+."UL" fgv0+."TMT"*6"gz0+."F" fgv0+."VC"*3"gz0."ML" fgv0+."WU"*33"gz0."ML" fgv0+
Ceutorrhynchus cochleariae * I { nngpj cn."3: 35<"7"6"UL."TMT"*6"gz0+."F" fgv0+=9"6"WU"*3"gz0+."BS det.)
Ceutorrhynchus contractus * Octuj co."3: 24+<"6"6"UL."TMT"*6"gz0+."F" fgv0+=7"6"WU"*3"gz0."QQ" fgv0+=9"6"TL"*3"gz0+."F" fgv0+

Ceutorhynchus constrictus *Octujco."3:24+<"7"ó"™T"*3"gzl." F"f gv0+
Ceutorhynchus erysimi *Hcdtkewu."39:9+<"6"ó"™T"*3"gzl." F"f gv0+= "7"ó"WU"*4"gzl."QQ"f gv0+."
 XR"*3"gzl."™T"f gv0+= "9"ó"™T"*4"gzl." F"f gv0+."VC"*4"gzl."ML"f gv0+."WU"*3"gzl."QQ"f gv0+."
 XR"*3"gzl."™T"f gv0+
Ceutorhynchus hirtulus Igt oct."3:46<"9"ó"™R"*4"gzl."UL"f gv0+."WU"*3"gzl."ML"f gv0+= "**K42**
Ceutorhynchus obstrictus *Octujco."3:24+<"3"ó"WU"*4"gzl+= "7"ó"UL."™R"*3"gzl+."WU"*4"gzl."QQ"
 f gv0+= "9"ó"WU"* ;"gzl."ML"f gv0+
Ceutorhynchus pallidactylus *Octujco."3:24+<"3"ó"WU"*7"gzl+= "9"ó"WU"*3"gzl."ML"f gv0+
Ceutorhynchus pulvinatus I {nngpjcn."3:59<"9"ó"VC"*3"gzl."ML"f gv0+
Ceutorhynchus scrobicollis Pgtgugjkg ogt"gv" Yciptg."3:46<"7"ó"™T"*3"gzl." F"f gv0+."WU"*3"
 gzl."QQ"f gv0+
Ceutorhynchus sisymbrii Fkgem ocpp."3:88<"8"ó"WU"*3"gzl."ML"f gv0+
Ceutorhynchus sulcicollis *Rc{mwmm."3:22+<"9"ó"WU"*3"gzl."ML"f gv0+
Parethelcus pollinarius *Hqtvtg."3993+<"8"ó"WU"*5"gzl."ML"f gv0+= "9"ó"WU"*3"gzl."ML"f gv0+
Glocianus punctiger *I {nngpjcn."3:59+<"8"ó"WU"*4"gzl."ML"f gv0+= "9"ó"™T"*3"gzl." F"f gv0+."WU"
 *3"gzl."ML"f gv0+
Mogulones asperifoliarum *I {nngpjcn."3:35+<"7"ó"™T"*3"gzl." F"f gv0+
Mogulones euphorbiae *E0{Dtkuqww"fg"Dctpgxkmg."3:8; +<"9"ó"™R"*3"gzl."UL"f gv0+."™T"*36"gzl."
 F"f gv0+."XR"*3"gzl."™T"f gv0+= "**M65**
Mogulones venedicus *Ygkug."3:9; +<"9"ó"™T"*32"gzl." F"f gv0+."XR"*3"gzl."™T"f gv0+= "**K44**
Trichosirocalus troglodytes *Hcdtkewu."39:9+<"9"ó"WU"*4"gzl."ML"f gv0+."XR"*4"gzl."™T"f gv0+
Uygpqectwu"twLeqtpku *Uvgr jgpu."3:53+<"3"ó"VC"*3"gzl."ML"f gv0+= "8"ó"WU"*3"gzl."ML"f gv0+
Nedyus quadrimaculatus *Nkppcgwu."397: +<"3"ó"TL"*37"gzl+= "4"ó"WU"*7"gzl+= "5"ó"TL"*37"gzl+= "
 7"ó"VC"*3"gzl."ML"f gv0+."WU"*4"gzl."ML"f gv0+= "8"ó"™R"*4"gzl+."WU"*33"gzl."ML"f gv0+= "9"ó"WU"
 *3"gzl."ML"f gv0+
Orobitis cyaneus *Nkppcgwu."397: +<"7"ó"WU"*4"gzl."QQ"f gv0+= "9"ó"WU"*5"gzl."ML"f gv0+
Mecinus janthinus *Igt oct."3:39+<"9"ó"RL"*3"gzl."ML"f gv0+= "**M67**
Mecinus pyraster *Jgtduv."39;7+<"9"ó"VC"*3"gzl."ML"f gv0+."WU"*3"gzl."ML"f gv0+."XR"*3"gzl."™T"
 det.)
Gymnetron labile *Jgtduv."39;7+<"9"ó"XR"*3"gzl."™T"f gv0+
Gymnetron melanarium *Igt oct."3:43+<"3"ó"TL"*3"gzl+= "9"ó"RL"*3"gzl."ML"f gv0+
Gymnetron pascuorum *I {nngpjcn."3:35+<"9"ó"™T"*3"gzl." F"f gv0+."WU"*3"gzl."ML"f gv0+."XR"
 *3"gzl."™T"f gv0+
Gymnetron rostellum *Jgtduv."39;7+<"9"ó"™T"*4"gzl." F"f gv0+."XR"*3"gzl."™T"f gv0+
Gymnetron asellus *Ictxgpjqtuv."3:29+<"9"ó"VC"*3"gzl."ML"f gv0+
Gymnetron tetrum *Hcdtkewu."3:23+<"9"ó"WU"*3"gzl."ML"f gv0+
Miarus ajugae *Jgtduv."39; +<"9"ó"™T"*4"gzl." F"f gv0+."VC"*3"gzl."ML"f gv0+."WU"*3"gzl."ML"
 det.)
Miarus graminis *I {nngpjcn."3:35+<"3"ó"TL"*6"gzl+
Cionus hortulanus *Hqwtetq{."39:7+<"3"ó"UL
Cionus longicollis E0{Dtkuqww"fg"Dctpgxkmg."3:85<"3"ó"UL
Cionus scrophulariae *Nkppcgwu."397: +<"3"ó"TL"*4"gzl+
Cionus thapsus *Hcdtkewu."39;4+<"3"ó"TL"*4"gzl+= "9"ó"RL"*3"gzl."ML"f gv0+
Cionus tuberculosus *Ueqrqnk."3985+<"7"ó"WU"*4"gzl."QQ"f gv0+
Anoplus plantaris *Pcg|gp."39;6+<"3"ó"UL
Anoplus roboris Uwhhtkcp."3:62<"3"ó"UL

*Rhynchaenus rusci** J gtduv."39;7+<7"ó"WU"*3"gz0."QQ"fgv0+
*Rhynchaenus salicis**Nkppcgwu."397;+<3"ó"VC"*3"gz0."ML"fgv0+
Rhynchaenus stigma I g t o c t."3:49<"3"ó"TL"*3"gz0+."UL="8"ó"VC"*3"gz0."ML"fgv0+
Rhamphus oxyacanthae Octujco."3:24<"9"ó"TM"4"gz0." F"fgv0+
Rhamphus pulicarius * J gtduv."39;7+<7"ó"UL

MQOGPVf "M'X \ PCOP L'M' O" P f NG \ O

M3<"Ectedkfcg<"Pqkqrjknwu"twErgu<"x| a ep "c"nqm^anp^lftwj."x{um{vwlf^eug"urf-g"pc"uw--^eej." vgrn ej"uvcpxk-v^eej<"j^alg."xkpkcg="p^fflkp{"cfl"rcjqtmcvkp{"*J tmc"3; ;8+0"X" gej^aej"uvtkmvp " ngup^lftwj."x{um{vwlf^eug"x nwp "x"r xqfpej"pgdq"o^anq"pctw-gp ej"nkuvpcv ej."|gl o²pc" fwdqx ej"ngu^eej"x|pglvgrngl-f^eej"qdcuvgej0"X"o^fuv "x um{vwlg"x v-kpqw"jqlp 0"tgkmp^lftwj * J tmc"gv"cn0"3; ;8+0"p^ang|l"lgfpqj"gz0"rqf"nkuv^lo"x" fwdqx²o"ngug"mqng o"qr rkc"pc"nqmcnk " Jtc|cp{"lg"rtxp^lo"fqndflgp o"x um{vg o"vqjvq"ftwjw"pc"R^ldtc o umw0

M4<"Ectedkfcg<"Ectcdwu"ctxgpuku"ctxgpuku<"uv gfq/"c"ugxgtqxtqrum "rqf ftwj"flk^le^l"pc" nqwm^aej."rcuvxk^aej."x"ngu^eej."x guqk-v^eej."tc-gnkpk-v^eej="w^ap^au"qlgfkp n ."nqm^anp "jqlp " *J tmc"3; ;8+0"p^ax^ar" gfpquv^{uw}--^fo" c^rf^ukv o"ngup^lo"dkvqr o"qmtclg^rcu^{gm}crqf0+0"\xn^a-v " ejt^ap p "ftwj"x"mcvgiqtkk"šqjtqflgp 0"R^legnmgo"5"gz0"pc"qfngup p ej"rnqej^aej"pc"nqmcnk^aej" 2 a 3.

M5<"Ectedkfcg<"Ekepfngc"ec o rgvtku"ec o rgvtku<"ftwj. flk^le^l"r gfgx-^fo"pc"qv^gx gp ej" uvcpxk-v^eej="w^ap^au"jqlp "rq^eegn²o"À|g o^lqf"p^fflkp"fq"jqt0"\xn^a-v "ejt^ap p "ftwj"x"mcvgiqtkk" šqjtqflgp 0"p^mqnm"gz0"pcng|gpq"pgdq"rq|qtqx^app^apc"nqmcnk^aej"3"o"50

M6<"Ectedkfcg<"Ekepfngc"u{nxkeqnc<"uv gfqxtqrum "o qv^app^lftwj."flk^le^l"r gfgx-^fo" xg" unwpp ej"ngu^eej"* J tmc"3; ;8+0" \fg"x{ jngf^ax^a |^a g|{"eguv"pgdq"jnkpkv²"rnqej{"x"nq ogej" c"nqm^anp "o flg"d v^k"jqlp 0"\xn^a-v "ejt^ap p "ftwj"x"mcvgiqtkk"šqjtqflgp 0"X^eeg"gz0"d{ng^r |qtqx^app^apc"uvt o²o"jnkpkv²o"d gjw^ap^ajqpw^w"Fqnp^ljq"Rcft um²jq t{dp^fmc0

M7<"Ectedkfcg<"Epaphius rivularis<"xgn o k"x| a ep "c"nqm^anp^lftwj|cuv^lp ej" oqmt ej" uvcpxk- <"|ctquv²d gj{"xqf."o q^an{"tc-gnkpp²"ngu{="rcjqtmcvkp{"cfl"jqt{"|gl o²pc"x"rqfj " * J tmc"3; ;8+0" X{um{vwlg"ug"vcn²"pc"pg|cuv^lp p ej"dkvqrgej"x"rqqtuvgej"quv ke"o"t^amquw" *Dc-vc"gv"cn0"4224+0"Dtcej|rvgtpl."pgn²vcl^eftwj"o"xgn o k"x |pcop "kpfkm^avqt"pgpctw-gp ej" r xqfpej"*mqvpkpw^anp^eej+"dkvqr 0"tgkmp^lftwj"* J tmc"gv"cn0"3; ;8+0" P cng|gp{"4" a uv p " ko o cvwtp^luc o keg"rqf"xgigvce^lpc"xnjm²"quv keqx²"nqweg^w"Fqnp^ljq"Rcft um²jq t{dp^fmc0 \g"uyglp²"nqmcnkv{"wx^af^lvgpvq"ftwj" Jqxqtmc"*3; ;8+0"Vgpvq"rtxp^lp^ang|l"R^ldtc o umc"ej{d^l x"uqwjtp²"rt^aek"Dc-vc"gv"cn0"4224+0

M8<"Ectedkfcg<"Elaphropus parvulus<"jqlp "cfl"qlgfkp n "ftwj"kpfkhtgtpvpej"cf"rqnquwej ej" uvcpxk- "dg|l|cuv^lp p^l"nq o {"r^fumqxp{="p^fflkp{"cfl"rqfj " .pgl cuv lk"x"rcjqtmcvkp^aej"* J tmc" 3; ;8+0" Ftwj"lg"xgn o k"nqm^anp^l."cx-cm"x"o^fuvgej"ugmwpf^atp^ljq"x um{vw"*nq o {"r^fumqxp{+ " cuvq^l xgn o k"jqlp 0"Rtk o^atp "ug"x{um{vwlg"x"r^fumw"pc"d g|^eej"xqfpej"vqm ."mf"lg"qj tqflgp "nkmxkfce^l r xqfpej"d gj .pcr 0"x|fwv^lo"jncfkp{"xqfpej"o k^af^ln{"c"tgi wnceg o k0"X^eeg"gz0"pcng|gpq"x"r^fumw^w gm{"Xnvcx{"x"mg o rw" cuvqdq 0

M9<"Ectedkfcg<"Dgo d k f q p"jwo gteng<"qlgfkp n ."lgp"nqm^anp "jqlp l-^fftwj"tc-gnkpk- ." xnjm ej"cf"l"xgn o k"xnjm ej"m{ugn ej"r f"dg|l|cuv^lp p^l"pgdq"u" a uv p o |cuv^lp p^lo="p^fflkp{" cfl"jqt{"cuvq"x"rcjqtmcvkp^aej"* J tmc"3; ;8+0" Tgkmp^lftwj"* J tmc"gv"cn0"3; ;8+0" Lgfkp "gz0" d{n"pcng|gp"pc"jnkpkv²"rnq-eg"pc"ugmwpf^atp^lo"tc-gnkpk-vk"x|pkm²o"qfngup p^lo"o"o"q"o"q"m"gp^lo" o nm²"r^apxg"rqf"xtejqng o"Vqmw0

M:<"Ectedkfcg<"Dtc f e g m w u"twE q m k u<"qlgfkp n ."nqm^anp "jqlp "ecnwppdqkqv<"x guqk-v ."

tc-gnkpk-v "u"x gug o="r gfgx-|o"x"rcjqtmcvkp^aej.p|flkp{"cfl"jqt{*J tmc³; ;8+0}Tgnkmvp|ftwj^{*}J tmc³gv^{cn0}3; ;8+0}X|feg^{gz0}d{^{nq}pcng|gpq"x"rtqugxw^{pc}x guqkx-vk^{pc}Adq |xtejw^{Vqm0}

M2;<Ectcdkfcg<Ndkc<etwzokpqt<qlgfkp n "cfl"x|^aep "ftwj"uwej ej" cfl"rqnqxnjm ej" uvcpxk- "dg|"|cuv|p p|<nqwm{|.uvgrk-|p|flkp{"cfl"rqfj |{*J tmc³; ;8+0}Pcng|gp{"egmg o"4"gz0^{pc}"nqmcnk^aej"3^c"80

M32<Uectcdgkfcg<Ukufrjwu<uejcgghgtk< rrpvq o gfkvgt^app|ftwj."mvgt "w"p^au" fquc|wlg" ugxgtp|j tpcpeg<ctg^anw"tq|-|gp|0^X" gej^aej"ug"x{um{vwlg"x"pglvgrngl-|fej"qdcuvgej^{*}" gum "mtcu." gum²uv gfgjq |⁺pc"uvgr|fej" c"rcuvxkp^aej."nqm^anp "o flg^d v"jqlp 0^{|\xn^a-v} "ejt^ap p "ftwj"x"mcvgiqt^{kk}"šqj^{tq}flgp ð0^Pcⁿg|lgf^kp²j^qgzg o rn^a g^{pc}"nqmcnk^a R gfp|Ejnw o"lg"rtxp|o" rqvxt|gp|o"x um{vw"vqj^{qv}ftwjw^{pc}R |dte o umw0

M33<Uectcdgkfcg<Qzsvj{tgc<hwpgwec<x" gej^aej"qlgfkp n "ftwj."x"rqungf^pfej"ngvgej" fqe^j |⁺m"lgj^q-|gp| |qdcuv|."mfg"lg^{nqm^anp} "jqlp l-|*kflp| gej {+."pc^fcn-|nqmcnk^a{0^{|\xn^a-v} "ejt^ap p "ftwj"x"mcvgiqt^{kk}"šqj^{tq}flgp ð0^PcⁿR |dte o umw^{pcn²|^ap}q^ft0⁴²²²"rquvwrp "pc"x|feg^{nqmcnk^aej^{*}U0}Wtdcp."pgrwdnk^mqxc^{p2}"Àfclg+."dg|x tc|p l-|j^qp^atqmw^{pc}urgek^lem "dkqv^r0^{Pcng|gpq^p mqn^mgz0^{pc}"nqmcnk^aej"4."7^c"80}

M34<Dwrtgukfcg<Fkegtec<dtqkpgpuku<x xql"x"r xqfp|ejⁿhkvpcv ej" f gxp^aej."|gl o²pc" však v habru (*Carpinus betulus*+0^Wp^au"tq|-|gp"rq^{egn² o}"À|g o^l"x"|cej^qx^{cn} ej"dkqv^rgej^{*}D|n "3; ;+0^X"r |dte o um² o "Rq^xncx^l"fquwf^{pcn²|^ap}x^{flf}{ "lg^px^gx^c|d "pc"jcdt*U0^{Wtdcp.}"pgrwdnk^mqxc^{p2}"Àfclg+0^{Pcng|gp}"5^{gz0^{pc}"nqmcnk^a} "70

M35<Ognkqfcg<Ognqg<xkqnc<egwu<w^pa^urcv |m^tgncvxp "jqlp l-|o"ftwj o"o^{clgm}.tq|-|gp o" r gfgx-|o"x"rqfjqtum ej" c"jqtum ej"qdcuvgej^{*}Xtcdge"4227+0^{|\xn^a-v} "ejt^ap p "ftwj" x"mcvgiqt^{kk}"šqj^{tq}flgp ð0^Pcng|gpq^c"r|qtq^xa^pq^p mqn^mgz0^{pc}"nqmcnk^aej"4^c"50

M36<Egtc o d{ekfcg<Z{navtgejwu<ctxkeqnc<f |xg^xgn o k^x|^aep "ftwj."mvgt "ug^uvcn^x|jngfg o" m"rqpgej^ax^ap|pg|rtceqxc^{p2}j^qpgmxcnk^v|j^qf gxc^x"ngu^{fej}"c|cjtcf^aej"rqp mwf" cuv l-|o0^X{um{vwlg^ug"x"rtq^v vngp ejⁿhkvpcv ejⁿgu^{fej}.pc^rrcuvxkp^aej."x^rctef^{fej}"c^{uvct} ejⁿqxqep ejⁿucfgej0^X xql"rtq^d|j^a"x^qfw o gn² o" f gx "t |p ejⁿhkvpcv ejⁿuvtq o "Un^a o c³; ;+0^X"r |dte o um² o "Rq^xncx^l"fquwf^{pcn²|^ap}x^{flf}{ "lg^px^gx^c|d "pc"jcdt*U0^{Wtdcp.}"pgrwdnk^mqxc^{p2}"Àfclg+0^{Pcng|gp}"4^{gz0^{pc}"nqmcnk^a} "70

M37<Egtc o d{ekfcg<Eqtvqfgtc<hg o qtcvc<x" T" |fm "cfl"x|^aep "ftwj."rtexf r^qf^qd^p "ur^l-g" w^{pk}mc^l|e^r|r^q|q^tp^quvk."x{um{vwl|e^lu^g"x"lg^jnk^{pcv} ej."|gl o²pc^uo^{tnqx} ejⁿrtq^vgej^r gx^aflp "qf" p|flkp^fq^{uv} gfp^{fej}"r^qn^qj^{*}Un^a o c³; ;+0^X"r |dte o um² o "Rq^xncx^l"pcn²|^ap^xflf{ "lg^px^gx^c|d "pc"dq^tq^xkek^{*U0}Wtdcp."pgrwdnk^mqxc^{p2}"Àfclg+0^{Pcng|gpq^xfeg^{gz0^{pc}"nqmcnk^a}ej"7^c"80}

M38<Egtc o d{ekfcg<Ite o qrvgtc<wuwncvc< |fm "cfl"x|^aep "ftwj"x{um{vwl|e^lu^g"x"vgrngl-|fej" qdcuvgej^u"r xqfp|o^k"r^qt^quv{|fwdw*Un^a o c³; ;+0^Pcng|gp{"5^{gz0^{pc}"nqmcnk^a}ej"6."8^c"90

M39<Egtc o d{ekfcg<Rgfqvtpi<cnkc<tgxgukvc<x|^aep "cⁿq^ma^{np}|ftwj"wp^{km}cl|e^r|r^q|q^tp^quvk."tq|-|gp |gl o²pc^xqdcuvgej^x um{vw^r xqfp|ejⁿrtq^{uv} "fwdw*Un^a o c³; ;+0^PcⁿR |dte o umw^{|p^a o} fquwf^{lgp} |"qmⁿ|⁺Fq d^l-g^{*}U0^{Wtdcp.}"pgrwdnk^mqxc^{p2}"Àfclg+0^{Lgfkp} "gz0^{pcng|gp}"pc^{nqmcnk^a} "80

M3:<Ejt{uq o gnkfcg<Rj{vqgekc<e{nkpfkcec<x" T^{nqm^anp}"c" |fm "ftwj." cuv l-|x^guv gfp^{fej}" gej^aej" c^{pc}"lk^qx ej^qf^p|⁺Oqtcx 0^X{um{vwlg^ug"r gfgx-|o"pc"twf^{gt}a^{np}fejⁿqmcnk^aej." x"|cjtcf^aej" c^{pc}"q^mtl^{fej}"ngu^{*}Un^a o c³; ;+0^Lgfkp "gz0^{pcng|gp}"pc^{nqmcnk^a} "80

M3;<Ejt{uq o gnkfcg<Fq^pcekgm<encxrgu<tgnkmvp|ftwj^{nqm^anp} "ug"x{um{vwl|e^l"pc"*Phragmites communis.*

M42<Ejt{uq o gnkfcg<Ncejpkc<ugzrwpevc<pc^{Unqxgpumw}"c^{pc}"Oqtcx "r^qo^{tp} "jqlp "ftwj."x" gej^aej"x|^aep =x{um{vwlg^ug"r gfgx-|o"x"vgrn ej"qdcuvgej^{uv} gfp^{fej}" gej^{*}pc^r 0^{gum} "mtcu."M kxqm^avumq⁺pc^{fwdgej}**Quercus* spp.).

M43<Ejt{uq o gnkfcg<Ejt{uqkpc<egtgcnu<egtgcnu<x" gejaej" f1m "c"nqmanp1ftwj"zgtq/vgt op1ej"uvcpqkx- "uvgrp1j q"ejctcmvgtw."x{um{vwl1e1"ug|glo2pc" xg"uv gfp1ej" c" | a rcfp1ej" gejaej" *pcr 0M kxqma vumq."Rn|g umq+0" Pc"xjqfp ej"nqmcnkva ej" o flg'd v'k"xgnok"jqlp =pc" lc g"ug"x{um{vwl1g"rqf"mcogp1."pc"rqf|k o"pc"x{--1ej"tquvnpa ej."r gfgx-1 o"pc"vtcx aej="lcmq" flkxp2"tquvnp1{ "wx a f p{"x v-kpqw" ftwj{"tqfw"Thymus."k"x'fqd "rqf|k op1ej"tpp1ej" o tc| " rqlqtqx a p1{ "x"rqngfp1 o"unwpek"mqrwnw11e1"r a t{"*U0"Wtdcp."pgrwdnkmqxcp2"Àfclg+0" Pc"nqmcnk v " R gfp1Ejnw o"lg"jqlp 0

M44<Ejt{uq o gnkfcg<Ejt{uqkpc<cpcknu<x| aep "ftwj"zgtqvt op1ej"nqmcnk v."x v-kpqw"pc" ejwf ej." cuvq"r1u kv ej" k'mcogp kv ej"r f aej"rqf"mcogp1{pgdq"rqf"nkuv{"t |p ej"tquvnp." pcr 0Achillea spp., Plantago spp.

M45<Ejt{uq o gnkfcg<Nqej o cgc'uwwvtcnku<x guqkx-vp1"o qpqa i"pc"Calluna vulgaris."hqmanp " ug"x{um{vwl1e1"tgnkmvp1"ftwj 0

M46<Ejt{uq o gnkfcg<Rj{mqtgv<ejtkwpcg<uvgpqvrp1"qnki qh a i"pc"Cardamine"ur r0."jncxp " na C. impatiens. X"p1flkpa ej" k"rcjqtmcvkpa ej." |glo2pc"rqf2n"eguv."mfg"tquvg" flkxp a" tquvnp1c0" Nqmanp1" c"x| aep "ftwj 0

M47<Ejt{uq o gnkfcg<Crjvqpc<cvtqecgtwngc<uvgpqvrp1"qnki qh a i"pc"Tithymalus spp., x"p1flkpa ej" k"rcjqtmcvkpa ej"pc"uwej ej" k"xnj 1ej"uvcpqkx-v1ej 0" f1m "cfl"x| aep "ftwj 0

M48<Ejt{uq o gnkfcg<Crjvqpc<pkithuewku<uvgpqvrp1"qnki qh a i"pc"Tithymalus"ur r0."jncxp " na T. cyparissias-x"p1flkpa ej" k"rcjqtmcvkpa ej"qf"lctc"fq"rq|f p1jqh2vc."xgmm2"rqrwnceg|glo2pc" pc"r1u kv ej"r f aej 0"X" T"pc"Oqtcx "x| aep ." |" gejaej"pgp1|p a o"n a fp "Àfcl|"rqngfp1ej" ngv* f1gm"4228+0"Rqvxt|gp1"uv a n2j q" x um{vw"pc"nqmcnk v "R gfp1Ejnw o"*r gfej q|f"p a ng|< 480XK03; ; : .3"gz0."U0"Wtdcp"ni v0"gv"eqm0."O0" \Àdgt"fgv0+ "c" rqvxt|gp1"tgegpvp1j q" x um{vw" x" gejaej 0

M49<Ejt{uq o gnkfcg<Okpvc<qdguc<x"rcjqtmcvkpa ej" c"jqt a ej"qf"lctc"fq"rqf|k o w0" Pc" Oqtcx "ej{d1."x" gejaej"lg"x"rqjtcpk p1ej"rqjq 1ej"rqo tp "jqlp 0" P a ng|"xg"uv gfp1ej" gejaej"lg"pgqdx{mn 0

M4:<Ejt{uq o gnkfcg<Fhdqknc<et{rvqgrj cnc<uvgpqvrp1"qnki qh a i"pc"Thymus"ur r0."x" gejaej" x| aep 1-1"ftwj 0

M4:<Ewtewnkqpkfcg<Crkqp"ht o cpgmk<Fkgem o cpp" *3; 99+ "ejctcmvgtk|wlg"vgpvq"ftwj" |"jngfkumc" jquvkvgnum ej"tquvnp1"lcmq"qnki qh a ic"pc"ftw|1ej"tqf "Genista a Cytisus. Podle Jcxgmm1*3; 87+pc"Unxqgpumw|cv1 o"lgp"x"fqucjw"Rqfwpclum2"p1flkpa{c"pc"x ejqf *pcr 0Xg m " Mc o gpe *98; 8+." J qtp2"Rncej vkeg *99: 3+."Dct fglqx *89; 5+="M0"Uej 3/4p."pgrwdnkmqxcp2"Àfclg+0" Rq|f 1-1"p a ng|{"| "qdncuvk"Mtwrkpum2"rncpkp1* gdqxe g *9: : 3+="M0"Uej 3/4p."pgrwdnkmqxcp2"Àfclg+ vcmvq"x{ o g|gp "ctg a n"lgp"rqp mw f"tq|-k w110"ftwj"fqwf"pgd{n"jn a -gp|"Oqtcx{"c"|g"Ung|umc." x" gejaej"luqw|p a o 2"Àfclg|glo2pc|"rqqxf1Xnvcx{"*Uncr{"*8374+="M0"Uej 3/4p."pgrwdnkmqxcp2" Àfclg+0"O2p " cuv "ftwj"x unwpp ej"nwm."rcuvxkp"chgup1ej"rqftquv"pc"pgwvt a np1ej"cfl"m|ugn ej" uvcpqkx-v1ej."eqf1"uqwxku"u"lgjq"rtghgtpe1"mtw kpm{"p o gem2"*Genista germania+ "lcmq"flkxp2" tquvnp1{"pc"mvgt2"d{n{"x"t a o ek"GF"4227"ugdt a p{"k"fqmncf qx2"gz0"pc"nqmcnk v "R gfp1Ejnw o 0" D{n"v1 o"rqvxt|gp"uv a n" x um{v"ftwjw"pc"v2vq"nqmcnk v *r gfej q|f"p a ng|< ; 0X03; ; : .U0"Wtdcp"ni v0" gv"eqm0."M0"Uej 3/4p"fgv0+0"Egpp "fqmncf"m"rq|p a p1"tq|-1 gp1"vqjqvq"ftwjw"pc"À|g o f" T0

M52<Ewtewnkqpkfcg<Crkqp"ko o wpg<ctg a n"tq|-1 gp1|c jtpwlg|glo2pc"ugxgtp1" c"uv gfp1" Gxtqrw." f a ng"lg"wf a x a p|"Xgmm2" Dtkv a pk."Mcxmc|w" c" Cnfl1"tw0" Rtq"À|g o f" d xcn2"jq" gumq/ unxqgpumc."tgur0"Unxqgpumc."lg"rtg|gpvqx a p"x" Tqwdcnqx *3; 63+mcvcnq i w."mqpm2"vp1"fqmncf qx " gz0"x-cm"pgd{n"pcng|gp" Jcxgmm3; 87+0"lgfgp1"pglx |pc op 1-1ej"tgnkmvp1ej"dtqwm "Uv gfp1j q" Rqxwex1."|p a o "qfuw f" |cv1 o"lgp|"lgf k p2"nqmcnk v {"x"qmql"qdeg"Xgmm a *520KZ04222."450KZ04222." 30X04223."x-g"U0"Wtdcp"ni v0="M0"Uej 3/4p."pgrwdnkmqxcp2"Àfclg+0" Xg"uv gfp1" Gxtqr "lg"vgpvq" uwdcvncpvkem "ftwj|" glo "o qpqa i go"pc"Cytisus scoparius (= Sarothamnus scoparius). Jde

q'ftwj'dg|mf'n'.lgjqf|x um{v'd{ o qjn'kpfkmqxcv'uvet "ctg^an'x um{vw'flkxp²'tquvnpf{. 'mvg^a'lg^a x' gum²'tgrwdnkeg'lkpcn'x v-kpqw'rqxcflqxc^a|c'ftwj| rncp n '|x ucfgd⁰'Dtqwm'd x^apcn²|^ap' r gfgx-|o'x'ngup|o'rqftquw'pgdq'qmtcl'ej'nguc.'mfg'flkxp^a'tquvnpk^c'o'2p 'vtr'x|o t|^ap|o'pgfl' pc'xqgx gp ej'uvcpqkx-v'ej'r'cuvxkp'c'umcn⁰'\ 'À|g o'f' gej'c'Oqtcx{|d{n'v'gpv'pqucvge'x' o'kpw'nqukv' wxgfgp "J nkpkmqjum o'*3;87+'lgp'|p' nqnmkc' o'qtexum ej' nqmcnkx<' Qvtxc'eg." J tcfge'w' Qrcx{|.'Nkvxgn'c'|g'Unqxpumc<' J c'pfnx^a'o'ó'Dqlpkge.'Hk cmqcx'. "Mq-keg'ó'Et o'gn⁰'V{vq'Àfclg' lg'cng'pwwp²'dt^av'u'tg|gtxqw.'rtqvqflg'f'qmmcfqx²'mwu{ 'ug'xg'ud'f'teg'L0' J nkpkmqjum²'j q'k'p'eqm⁰' P^a'tqfp' o'w|gw o.'Rtcjc+'pgpcej^a|g'f'c'pgn|g'x{ nqw kv'ej { dpqw'f'vgvt o'kpcck⁰'Rqvt|gp "tgegpvp'f' x um{v'lg|p^a o' 'lg-v '| 'Àfqn'Of'lg'x'|^arcfp'ej' gej^a'ej'*R' f'tqfp'f'tg|gtxceg'Rcxnqxkem^a'uvt^a +' *3;0XKKK04223.'M0'Uej³/4p.'ni v0='M0'Uej³/4p.'pgrwdnkqxc²'Àfclg+0' P^ang|'pc' nqmcnk' J t'c|cp{ 'lg'x |pcop o' f'qmmcfgo'm'rq|p^ap'f'tq|-f'gp'f'v'qj'qvq'ftwjw.'mvgt 'n|g'rtq' gumqw'tgrwdnkwm' r'qxcflqxcv'|c'mtkvkem{ 'qj'tqflgp 0'X|j'ngfg o'm'dg|mf'fnqukv'lg' o'qflpqv'cmvxp'f'j q'-f'gp'f'v'qj'qvq' ftwjw'pc' fcn-|nqmcnkv{|xgnok'qog|gp^a.' fcn-|rt |mw o'x-cm' o' flg'qf'j'cnkv'pqx²'k|qnqxc²' rqrwncge.'x^a|cp²'pc'r xqfp'|ctg^an'tq|-f'gp'f'j'qukvgnum²'tquvnpf{0

M53<'Ewtewnkqpkfcg<'Crkq'p'i'tecknrgu<'o qqn^a i'pc'*Trifolium medium*.'mvgt 'd{n'qjn^a-gp'lcmaq' pqx 'rtq' gej{|c' gumqunqxpumq'Uvtgl mg o'*3;8;+'|X|-gpum ej'mqre 'w' gum²'jq'Mtw o'nqxc' c'rcm'vtcfqxc^a 'rqw|g'|v²vq'nqmcnkv{0'X'rt d jw'qu o'fgu^av ej'ngv'420'uvqn⁰'ug'x' gej^a'ej'|c' f'p^a -f'kv'rqf²n⁰'mw o'cx{|c'f'cn-|ej'j'tc'pk p'ej'rqj q'f'cfl'pc'Vcej'qxumq'c'Octk^apumq^a|g umq⁰'Vtgp'f' -f'gp'f'x'rqfj 'f'j'tc'pk p'ej'j'qt'rcm'f'qmn^a f'cl'f'cn-|p^ang|{|'Mctnqxctumc'c'|O'quvgemc⁰'F'cn-|rt'cxf'rqf'qdpq'w'okitc p'f'eguvq'w'lg'-f'gp'f'x'nvexum o'Àfqn'f'ó'xk'f'f'x l-|p^ang|'|R' f'dtc o'umc' *N^a|*856;+'3:0X03; ;8.'U0'Wtdcp'ni v0+'R' xqfp' q|pc gp'lcmaq'ftwj'tgnkmpv'f'|j'ngf'kmc'f'pg-p'f'ej' |pcnquv'ug'lgf'p^a q'ftwj'v'rkem 'rtq'ngup'f'ng o'c'ux vnkp{. 'o'g|g.'nqwm{ 'c'm qxkpcv²'uvt^ap' p'f'flk'p.'rqfj 'f'c'pkf'-f'ej'j'qtum ej'rqnqj⁰'Uvtgl gm*4222c+'lg|qjn^aukn'lcmaq'pqx 'rtq'Oqtexw' pc'|^amncf' p^ang|w'|F'qnp'f'ej'F'wplq'xke*520X03; ;3+.'ftwj'ug'x{um{vwl'g'k'pc'Unqxpumw.'lcm' qd'gep "mqpuvcvqxcn'F'kgem o'cpp*3;99+.'mqpm²v'p'f'nqmcnkv{|*Dcpum^a'D{uvtkec.'\ xqngp.'M cm.' Hk cmqcx'. J clp^a mc'c'Uvctkpc+'wxg'f'nk'Dqtq'xge' ("Mq-^an'*3; :6+0'Ud t'x't^a o'ek'GF'4227' r'qf'rqtw'lg'r'g'f'rqmcc'okitceg'ftwjw'xnvexum o'Àfqn'f{0

M54<'Ewtewnkqpkfcg<'Tj'k'p'o'kcu'htq'vkeqtpku<'v{rkem 'ftwj'r ktq|gp ej'dw kp.'x |pcop ' kpfkm^avqt'r xqfp'f'ej'ngup'f'ej'htq o'ce'f{0

M55<'Ewtewnkqpkfcg<'Vtcej'f'r'j'ngwu'tgevwu<'x |pcop 'tgnkmv'umcnp'f'ej'uvcpqkx- 'x'Àfqn'f'ej' gm'c'rqvqm 0'lgf'p^aug'q'vgttkmqnp'f'. rqn{h^aip'f'ftwj.'x' gum²'tgrwdnkeg'lg' cuvq'pcn²|^ap'pc' dkvq'rg'ej' u'*cuv o'rt xqfeg o'+vc ke'f'umcnp'f'**Aurinia saxatilis*+='x'rqv'incek^anp'f' o'uvgrp'f' o' qrvk o'w'rtqpkmn'j'nqwd lk'f'q'rqfj 'f'. 'mfg'ug'x{um{vwl'g'lg-v 'x'x'uw cupqukv'pc'tgnkmpv'f'ej'umcnp'f'ej' qv'v' x'ef'ej'p'cr 0'Dg qx'pcf'Vgrnqw.'Vcej'qxumq.'Lk'j'ncxumq=U0'Dgpg'f'kmw.'pgrwdnkqxc²'Àfclg+0' Xg'Uv gfp'f' o'R'qmxv'f'lf'g'q'ej'ctcmvgtkuvkem 'ftwj'ur'qng g'p'v'gx'umcnp'f'ej'uvgr'f'c'x' ejq| 'xg' xnvexum² o'Àfqn'f{0' X|j'ngfg o'mg'x-gqd'gep² o'w'Àuv'rw'v'ej'vq'uvcpqkx- 'r'gfgx-|o'x'x'nx'g' o'gzrcp|g'cm^av'w'**Robinia pseudoaccacia*+|lg'pwwp²'v'gpvq'ftwj'r'qxcflqxcv'r'tq' gumqw'tgrwdnkwm' k'r'gu'uw'cup 'pgx|^aep 'x um{v'|c'qj'tqflgp 0

M56<'Ewtewnkqpkfcg<'Nk'z'w'u'qej'tcegwu<'x' gum²'tgrwdnkeg'xgn o'k'x|^aep 'ftwj.'x'Ej'gem/ nkuvw'*Lgn'pgm'3; ;5+;wx^af p 'u'lkuvq'q'w'lgp'|' gej.'|'Oqtcx{|wxg'f'gp' u'qvc|p'fmg o'0'Pc-|o' À|g o'f'o'rt'cxf'rqf'qdp'rtq'ej^a|f'ugxgt'p'j'tc'pk'eg'ctg^anw'tq|-f'gp'f'v'qj'qvq'ftwjw.'mvgt 'uc'j^a qf'ugxgtq|^arcfp'f' Chtkm{|'r'gu'Gxtqrw'*pc'ugxgt|cuc'j'w'lg'cfl'f'q'R'qnumc'c'P o'gemc+'f'q' R'gfp'f' Cukg'*F'kgem o'cpp*3; :2+0'Ftwj'ug'x{x'f'f'pc'p' mvgt ej'f'w|f'ej' d'twm'xq'xkv' ej'tquvnp' (Brassicaceae).

M57<'Ewtewnkqpkfcg<'Rku'q'f'gu'uecdtkeqnnku<'x|^aep l-|f'. o^anq'pcn²|cp'pqucvge'x^a|cp'pc'u o'tm' (*Picea excelsa*+.'x' gum²'tgrwdnkeg'tq|-f'gp' r'gfgx-|o'x'j'qtum ej'rqnqj^a'ej'0'Pc'pgr xqfp'f'ej'

uvcpxk-vej "uotmw d x^a |lk-v p "lgp qlgfkp ng⁰ P^ang |lg |cl o cx o r r fur xmg o m r q |p^ap^{fl} mngqrvgtqegp» |dtfum ej uot kp⁰

M58<Ewtewnkqpkfcg<Cecmgu<wdgk<oko q^afp "egpp "rtxgm mngqrvgtqegp» |r ktq |gp ej "ngu "Uv gfp |j q c J qtp |j q Rqxnvx^{fl} u tgnkmvp |o ejctcmvgtg o x um {vw⁰ Egmqx² tq | - fl gp^{fl} ftwjw ucj^a | Mxmc |w r q Cnr { .x |^aep "d {n j n^a -gp vcm² | Mctrcv⁰ X" gum² tgrwdnkeg lg^x a |cp "v² o " x j tcfp "lgp pc |d {vm { "uw qx ej jcd kp c dw kp x À fqn^{fl} Xnvx { .lg fgpmt^a v d {n pcng |gp k pc^{fl} thw ocx " *Pkgfn³ ; : 9 +⁰ \ g Uv gfp |j q Rqxnvx^{fl} d {n rqr tx² wxgfgp Uvtgl mg o *3 ; ; 5d +⁰ | qmqn^{fl} Oqmtumc c Uxcv² j q Lpc⁰ Pc^a nqmcnk v "w J tc |cp d {n |lk-v p qrcmqxcp "k x r gfej q |fej^a ngvgej " *U⁰ Dgpgfkmv . pgrwdnkqxc² À fclg +⁰ Ftwj "lg pwp² rqxclqxcv x uqw cup² fq d "rtq gumqw tgrwdnk m w |c mtkvkem { "qj tqflgp 0 Fcn - fl rt |mw o x j qfp ej hqmcnk v x Rqxnvx^{fl} lg rtq | o crqx^a p^{fl} lg j q x um {vw x" gej^a ej xgn ok^{fl} f qwe⁰

M59 M5 : <Ewtewnkqpkfcg<Cecmgu hcmcz a Cecmgu gejkpcwuw<ftwj { "hkuvpcv ej c u o fl -gp ej "ngu " r ktq |gp² j q ejctcmvgtw⁰ Kp fkm^a vqt { "fnqwj qfd "uvcdknp^{fl} ej ngup^{fl} ej uvcpxk- 0 X" gum² tgrwdnkeg ug x {um {vwl^{fl} rnq-p . cng^a r gx^a flp "lgp x pkl -fej cl^a r qf j q tum ej r nqj^a ej⁰

M5 ; <Ewtewnkqpkfcg<Cecmgu j {r qetkvc<v² fl ftwj nkuvpcv ej c u o fl -gp ej ngu " r ktq |gp² j q ejctcmvgtw . k p fkm^a vqt f nqwj qfd "uvcdknp^{fl} ej ngup^{fl} ej uvcpxk- 0 X" gum² tgrwdnkeg ug x {um {vwl^{fl} rnq-p "qf p^{fl} flk p cl^a r j q tum ej lgfnqdw kp⁰

M62 <Ewtewnkqpkfcg<Cecmgu r {tgp cgwu<qd {xcvgn ngu " r ktq |gp² j q ejctcmvgtw qf p^{fl} flk p f q j q t⁰ Kp fkm^a vqt f nqwj qfd "uvcdknp^{fl} ej ngup^{fl} ej uvcpxk- 0 X" gum² tgrwdnkeg ug x {um {vwl^{fl} nqm^a np "pc x v-kp À |g o^{fl}

M63 <Ewtewnkqpkfcg<Oketgnwu gtekg<x" gum² tgrwdnkeg hqm^a np tq | - fl gp "pqucvge u o qp q / h^a i p^{fl} xc |dqw pc x gu *Calluna vulgaris +⁰ Urqtcfkem { "ud^{fl} tcp "ftwj⁰

M64 <Ewtewnkqpkfcg<Egwvtj j pejuw jktvwnuw<x" gum² tgrwdnkeg x |^a ep l - fl ftwj . qnki qh^a i "pc Dtcukecegcg⁰ X {um {vwl^{fl} ug r gfgx - fl o "pc zgtqvt o p^{fl} ej nqmcnk v^a ej vgt o qh { vkmc⁰ P^ang |pc nqmcnk v "R gfp^{fl} Ejnw o lg |cl o cx o "fqmncfg o rtqpkm^a p^{fl} vgrnq o knp² hcwp { "fq Uv gfp |j q Rqxnvx^{fl}

M65 <Ewtewnkqpkfcg<Oqiwnqpgu gwr j qtdkcg<x" gum² tgrwdnkeg x |^a ep l - fl ftwj . qnki qh^a i "pc r q o p m^a e j *Myosotis ur r⁰ +⁰ x um {vg o pc t |p ej v {rgej qvgx gp ej uvcpxk- " r ktq |gp² j q ejctcmvgtw⁰ P^ang |pc nqmcnk v "R gfp^{fl} Ejnw o lg |cl o cx o "fqmncfg o rtqpkm^a p^{fl} vgrnq o knp² hcwp { "fq Uv gfp |j q Rqxnvx^{fl}

M66 <Ewtewnkqpkfcg<Oqiwnqpgu xgpgfkewu<xg uv gfp^{fl} Gxtqr "x |^a ep "c xgn ok^{fl} nqm^a np^{fl} zgtqvt o p^{fl} ftwj u qnki qh^a i p^{fl} xc |dqw pc Dqtcikpcegcg . r gfgx - fl o "pc Myosotis ur r⁰ \ " gum² tgrwdnk m { "d {n fquwf |p^a o lgp | " qmqn^{fl} M kxqmn^a vw *Uvtgl gm³ ; 98 +⁰ P^ang |pc nqmcnk v "R gfp^{fl} Ejnw o lg x |pc o p o "fqmncfg o ftwj qx² f kxgt |kv { "mngqrvgtqhcwp { "Uv gfp |j q Rqxnvx^{fl}

M67 <Ewtewnkqpkfcg<Ogekpwu lcpv j kpwu<ftwj vgrn ej r nqj j u^a |eg qnki qh^a i p^{fl} xc |dqw pc hpkeg (Linaria ur r⁰ +⁰ X" gej^a ej d {n vgpv q ftwj f qpg f^a xpc ejctcmvgtkuvkem o rtxmg o pglvgrngl -fej À |g o fl x qmqn^{fl} Rtcj . " gum² j q uv g f q j q fl c Rqncd⁰ X r qung f p^{fl} ej hgvge j ug r tqmc |cvngp - fl fl k f q o g |qh { vkmc *pcr 0 E j g dumq . Rn |g umq + *U⁰ Dgpg fkmv . pgrwdnkqxc² À fclg +⁰ P^ang |pc nqmcnk v "R gfp^{fl} Ejnw o lg | g l o " fcn - fl o "fqmncfg o tgegpv p^{fl} g zrcp |g v q j q v ftwj w⁰

UQWJTP X UNGFM "C" FKUMWUG

Egmqx² | j q f p q e g p^{fl}

X^art d j w Gpvq o qnqikem ej fp "4227 d {nq pc hqmcnk v^a ej pc R f d t c o umw |c |pc o gp^a pq⁷ : 8 " ftwj "dtqwm | "55" gng f⁰ P c l g f p q n x x ej hqmcnk v^a ej d {n r q g v |lk-v p ej ftwj "p^aungfwl^{fl} e^{fl}

n0"Rcft um2"t{dpfm{"ó446."40"W'D ¶|{"ó":3."50"xtej"Vqm"ó"6:."60" cuvqdq "ó":;.70"Cndgtvqx{"um^n{"ó"3:6."80"Jtc|cp{"ó"36:."90"R gfp"Ejnw o"ó"3;6:."0"Ejnw o"ó"320

Pc"nqmcnk^ej"x"Dtfejej*3/5+d{nq'pcng|gpq4:."ftwj "c'pc'hqmcnk^a'ej"xg"Uv gfp|o"Rqxnvcx¶*6/+:658"ftwj "dtqwm 0"Xgnm^a" auv"Afcl "|Rqxnvcx¶"lg"rtxp¶|o"pmpqw"qx um{vw"r {unw-p ej"ftwj "x"v2vq'qdcuuk0"67"ftwj "lg"j'qf'p'q'eg'p'q'lcmq"x|^a'ep2."qj'tqflgp2"pgdq"lkpcm"x |pc o p2^*xk| x -g+0" M"hcw'p'ku'w'kem{"pglx |pc o p 1-¶o"p^ang| o"rcv ¶ftwj {"Epaphius rivularis, Sisyphus schaefferi, Aptonia nigriscutis, Apion immune, Acalles aubei a Mogulones venedicus.

\ "wxgfgp ej"rq v "ftwj "dtqwm "pc'lgf'p'q'v'nx ej"nqmcnk^a'ej"lg" |gl o2."flg"lgf'p'q'v'nx o" o"fuw o"pgd{nc"x p'q'x^pc'uv'glp^a"rq|qtp'quv0\ "x ungf m "lg"rcvtp2."flg"nqmcnk{"Cndgtvqx{"um^n{." Jtc|cp{"c"R gfp"Ejnw o"luqw"ftwj'qx "rq o tp "dqj'cv20"Cndgtvqx{"um^n{"o cl¶"uv'cvw"p^a'tqf'p" r {tqf'p"tg|gt'x'ceg="nqmcnk{" Jtc|cp{"c"R gfp"Ejnw o"luqw"d flp "qdj'q'ur'q'fc q'x'cp2"rn'q'ej{"c"lg'k'ej"uqw cup "uv'cx"x{vx^a ¶f'qdt2"r g'f'r'q'm'nc'f{"rtq"wf't'fl'gp"dqj'cv'v'x¶ftwj'qx2"fl'x'gt|kv{"

Vcdwmc"30"U'q'x'p^p"p^ang| uv g'x'n'f'm'q'x'k'v' ej"dtqwm "pc'nqmcnk"Rcft um2"t{dpfm{"x"rt d jw"gp'v'o'q'q'ik'em ej"fp "4227"u"x ungf m{"J'q'x'q'tm{"*3; ;7."3; ;8+0

Vcdng"30"Eq o r'ct'ku'p'q'h't'ge'q't'fu'q'h'i't'q'w'p'f'd'g'g'v'ng'u'h'q'w'p'f'c'v'v'j'g'h'q'ec'nk{"q'h"Rcft um2"t{dpfm{"r'q'p'fu'f'w't'k'p'i'v'j'g'z'ew't'aku'p'u"kp"4227"y'k'v'j'v'j'g't'ge'q't'fu'q'h"J'q'x'q'tm{"*3; ;7."3; ;8+0

" Ftwj lurgeku"	Jqxqtmc" (1995, 1996)	GF 2005
1. <i>Cicindela campestris campestris</i> Linnaeus, 1758	+	+
2. <i>Cicindela sylvicola</i> Fglgcp"lp"Ncv'tg'k'ng"gv" Fglgcp."3:44"	/	-
3. <i>Carabus auronitens auronitens</i> Hcdt'k'k'wu."39;4"	-	/
4. <i>Carabus glabratus glabratus</i> Rc{mw'nn."39;2"	-	/
5. <i>Carabus granulatus granulatus</i> Nk'p'p'cgwu."397:+"	-	-
6. <i>Carabus hortensis</i> Nk'p'p'cgwu."397:+"	-	/
7. <i>Carabus nemoralis nemoralis</i> Q"HI"O'Å'ngt."3986"	-	/
8. <i>Carabus violaceus violaceus</i> Nk'p'p'cgwu."397:+"	-	-
9. <i>Cychrus caraboides caraboides</i> *Nk'p'p'cgwu."397:+"	-	/
10. <i>Leistus terminatus</i> *J'g'm'y'ki"kp"Rcp gt."39;5+"	-	-
11. <i>Notiophilus aquaticus</i> *Nk'p'p'cgwu."397:+"	-	/
12. <i>Loricera pilicornis pilicornis</i> *Hcdt'k'k'wu."3997+"	-	-
13. <i>Elaphrus cupreus</i> F'w'h'v'ue'j o'k'f."3:34"	-	/
14. <i>Elaphrus riparius</i> *Nk'p'p'cgwu."397:+"	-	-
15. <i>Clivina collaris</i> *J'gt'duv."39:6+"	-	-
16. <i>Clivina fossor</i> *Nk'p'p'cgwu."397:+"	-	-
17. <i>Dyschirius aeneus aeneus</i> *Fglgcp."3:47+"	/	-
18. <i>Dyschirius globosus</i> *J'gt'duv."39:6+"	-	-
19. <i>Epaphius rivularis</i> *I {ng'p'j'cn."3:32+"	-	-
20. <i>Epaphius secalis secalis</i> *Rc{mw'nn."39;2+"	-	/
21. <i>Trechus quadristriatus</i> *Ue'j't'cp'm."39:3+"	-	/
22. <i>Trechus splendens</i> I'g o o'k'p'ig't'gv"J'ct'q'f."3:8:+"	-	-
23. <i>Bembidion articulatum articulatum</i> *Rcp gt."39;8+ "	/	-
24. <i>Bembidion bruxellense</i> Y'gu o'c'gn."3:57"	/	-
25. <i>Bembidion deletum</i> C'w'f'k'p'gv/U'g't'x'k'ng."3:43"	/	-
26. <i>Bembidion doris</i> *Rcp gt."39;9+"	-	-
27. <i>Bembidion femoratum</i> U'v'w't o."3:47"	/	-
28. <i>Bembidion illigeri</i> P'g'v'q'k'v m{"3:36"	/	-
29. <i>Bembidion lampros</i> *J'gt'duv."39:6+"	-	-
30. <i>Bembidion lunulatum</i> *H'q'w't'et'q{."39:7+"	/	-
31. <i>Bembidion mannerheimi</i> E"l"l"U'c'j'nd'g'ti."3:49"	-	-
32. <i>Bembidion properans</i> *U'v'g'r'j'g'p'u."3:4:+"	/	-
Ftwj lurgeku"	Jqxqtmc"	GF

Tabulka 1 ó"rqmtc qx^ap⁰
Table 1 continued.

	(1995, 1996)	2005
33. <i>Bembidion obliquum</i> "Uvwt o."3:47"	-"	-
34. <i>Bembidion quadrimaculatum quadrimaculatum</i> "*Nkppcgwu."3983+	/"	-
35. <i>Bembidion stephensi</i> "Etqve j."3:88"	/"	-
36. <i>Bembidion tetracolum tetracolum</i> Uc{"3:45"	-"	-
37. <i>Bembidion varium</i> "*Qnkxkgt."39;7+	/"	-
38. <i>Poecilus cupreus cupreus</i> *Nkppcgwu."397:+"	-"	-
39. <i>Poecilus versicolor</i> "*Uvwt o."3:46+	-"	-
40. <i>Pterostichus aethiops</i> "*Rcp gt."39;9+	-"	/
41. <i>Pterostichus diligens</i> "*Uvwt o."3:46+	-"	-
42. <i>Pterostichus melanarius melanarius</i> *Kank i gt."39; :+"	-"	/
43. <i>Pterostichus minor minor</i> * I {nngpjcn."3:49+"	-"	-
44. <i>Pterostichus niger niger</i> *Uejcmgt."39:5+"	-"	/
45. <i>Pterostichus nigrita</i> "*Rc{mwm."39;2+	-"	-
46. <i>Pterostichus oblongopunctatus oblongopunctatus</i> *Hcdtkekww."39:9+	-"	/
47. <i>Pterostichus rhaeticus</i> " J ggt."3:59"	-"	/
48. <i>Pterostichus strenuus</i> "*Rcp gt."39;9+"	-"	/
49. <i>Abax carinatus carinatus</i> *Fwhvuej okf."3:34+"	-"	/
50. <i>Abax parallelepipedus</i> "*Rkmg"gv"Okvgrcejgt."39:5+"	-"	/
51. <i>Molops elatus</i> "*Hcdtkekww."3:23+	-"	/
52. <i>Calathus melanocephalus</i> "*Nkppcgwu."397:+"	-"	/
53. <i>Europhilus fuliginosus</i> "*Rcp gt."3:2;+"	-"	-
54. <i>Europhilus gracilis</i> "*Uvwt o."3:46+"	-"	-
55. <i>Europhilus piceus</i> "*Nkppcgwu."397:+"	-"	/
56. <i>Europhilus thoreyi thoreyi</i> *Fglgcp."3:4:+"	-"	-
57. <i>Agonum marginatum</i> *Nkppcgwu."397:+"	/"	-
58. <i>Agonum muelleri</i> "* J gtduv."39:6+"	-"	/
59. <i>Agonum sexpunctatum</i> *Nkppcgwu."397:+"	-"	-
60. <i>Agonum viduum</i> *Rcp gt."39;8+"	-"	-
61. <i>Platynus assimilis</i> "*Rc{mwm."39;2+"	-"	-
62. <i>Amara aenea</i> "*Fg" I ggt."3996+	/"	-
63. <i>Amara communis</i> "*Rcp gt."39;9+"	-"	/
64. <i>Amara lunicollis</i> "Uejkqfvg."3:59"	-"	-
65. <i>Amara nitida nitida</i> Uvwt o."3:47"	-"	/
66. <i>Amara plebeja</i> "* I {nngpjcn."3:32+"	-"	-
67. <i>Stenolophus mixtus</i> "* J gtduv."39:6+"	-"	/
68. <i>Trichocellus placidus</i> "* I {nngpjcn."3:49+"	-"	/
69. <i>Trichotichnus laeicollis</i> *Fwhvuej okf."3:34+	-"	-
70. <i>Cewrcnrwu"lxcxqmkw</i> "(Sturm, 1825)	/"	-
71. <i>Acupalpus meridianus</i> *Nkppcgwu."3983+	/"	-
72. <i>Acupalpus parvulus</i> *Uvwt o."3:47+"	/"	-
73. <i>Jctrcmwu"chEpku</i> (Schränk, 1781)	/"	-
74. <i>Harpalus latus</i> *Nkppcgwu."397:+"	-"	-
75. <i>Oodes helopioides</i> "*Hcdtkekww."39;4+"	-"	/
76. <i>Lebia cruxminor</i> (Linnaeus, 1758)	/"	-
77. <i>Dromius agilis</i> "*Hcdtkekww."39:9+"	-"	/
78. <i>Dromius fenestratus</i> "*Hcdtkekww."39;6+"	-"	/
79. <i>Dromius quadrimaculatus</i> "*Nkppcgwu."397:+"	-"	/
80. <i>Philorhizus notatus</i> "*Uvgr jgpu."3:49+"	-"	/
81. <i>Calodromius spilotus</i> "*Kank i gt."39; :+"	-"	/
82. <i>Syntomus truncatellus</i> "*Nkppcgwu."3983+	-"	/

uv g f q gum²mtclkp{0

Pc|^amncf "x ungf m "GF"n|g"cnq"mqpuvcvqxcv."flg"rq gv"ftwj "|lk-v p ej"x"rt d jw"gzmw t|flg"j nwdqm"rqf"r ktq|gpqw"mcrcckvqw"pcx-|flxgp ej"nqmcnk v"Vq"o qj nq" d v" |r uqdg p q"vfl o."flg"xnkxg o"uwejc"e"x{uqm ej"vgrnq"pc"lc g"tqmw"4227"fq-nq"m"wt{ejngp²ow"rt d jw"r gf cup²ow"wmqp gp"lctp"j q"curgmwv" c"pc"ftwj² utvcp "x"fqd "mqp"p"GF" fquw f"pgf q-nq"m"tq|xkpwv" curgmwv"ngvp"j q0

Utqxp^ap" |lk-v p ej"ftwj "uv gxn"mqxkv ej"*Ectcdkfcg+"u"x ungf m{"rt |mw o w"x"ngvgej" 3;;7/3;;8"pc"nqmcnk "Rcft um²t{dp"m{"*Jqxqtmc"3;;7."3;;8+"

Jqxqtmc"3;;7."3;;8+"rtqxfn"kp xgpvctk|c p"rt |mw o" gngfk"Ectcdkfcg"pc"uvglp ej"nqmcnk^aej"x"qmql"Rcft um ej"t{dp"m {"*xk|"Vcd0"3+. "pc"mvyt ej"ug"wumwvg pkn<"rtxp"gzmw t|g"x"t^a oek"gpvq o nqikem ej"fp "42270"Q0"Jqxqtmc"pc"v ejvq"nqmcnk^aej"rtqm" |cn"x um{v"85"ftwj "uv gxn"mqxkv ej"0"X"rt d jw"GF"d{nq"pcng|gpq"72"ftwj ".|vqj q"3;"ftwj "pgd{nq|lk-v pq"r k" r gfej q|fl o"kp xgpvctk|c p"o"rt |mw o w"*Jqxqtmc"3;;7."3;;8+0"pcqrcm"54"ftwj "pcng|gp ej"Jqxqtmqw"3;;7."3;;8+"pgd{nq"r k"gzmw t|k"Á cuvp"m "GF"4227" |lk-v pq" c"53"ftwj "d{nq"rtqm" |a"pq"r k"qdq w"rt |mw o g ej"0"X"rt d jw"qdq w"rt |mw o "d{nq"pc"v ejvq"nqmcnk^aej" |lk-v pq" egnmg o" :4"ftwj " gngfk"Ectcdkfcg0"Wxgfgp "rq gv"ftwj "pgp" |egnc"lkuv "mqpg p "c"o flg" qf j c f g o" r g f u v c x q x c v" e e c" 97" ' " f t w j " | f g" f l k" e" e j" 0" P c" v² v q" r q o t p" t q|u" a" j n² c" |c e j q x c n² o q m c f p" n q m c n k v" d { " r q m t c w l" e" f o" r q f t q d p o" r t | m w o g o" d { n { " l k u v" p c n g | g p { " f c n" f t w j { " g n g f k" E c t c d k f c g 0

RQF MQX f P"0" F mwl g o g" m q n g i o "Uvcpkncxw" Dgpg f k m v q x k. Tq o c p w" Dq t q x e q x k" c" O k t q u m c x w" \ Á d g t q x k" | c" n q o g p v" g" m" x | p c o p o" f t w j o" g n g f" E w t e w n k p k f c g" c" E j t { u q o g n k f c g" c" L c p w" X k v p g t q x k" | c" e g p p² r k r q o f p m { " n" t w n q r k u w 0

NKVGTCVWTC

DCTMVCL0. MCN f D L0 (" O Q T X G E" R 0 4 2 2 4 < F l u v t k d w k a p" c p f" g e q n q i { " q h" G r c r j k w u" t k x w n c t k u" * E q n g q r v g t c < E c t c d k f c g + " k p" v j g" E | g e j" T g r w d n k e 0" K l a p a l e k i a n a, 38: 163-171.

DG \ F M" L0 4222 < H c w p k u k w e" t g e q t f u" h t q o" v j g" E | g e j" T g r w d n k e" 6" ; 6 0" E q n g q r v g t c < E j t { u q o g n k f c g 0" K l a p a l e k i a n a, 36: 28.

D" N " U 0" 3 ; ; < " K r a s c o v i t i (B u p r e s t i d a e) 0" C e c f g o k e. R t c j c. " 3 3 3" r r" * k p" E | g e j + 0

DQTXGEM" T0 (" M Q" f N" O 0 3 ; ; < 6 < R" f u r x g m" m" r q | p" p" h c w p { " d t q w m " g n g f k" E w t e w n k p k f c g" x" U U T 0" \ r 0" u 0" U r q n g" 0" G p v q o q n 0" U C X. " 4 2 < 3 2 9 / 3 3 9" * k p" E | g e j. " I g t o c p" u w o o c t { + 0

DQWMCN" O0. " U E J P G K F G T" L0 (" D Q T X G E" T 0 4 2 2 2 < H c w p k u k w e" t g e q t f u" h t q o" v j g" E | g e j" T g r w d n k e" 6" ; ; 0" E q n g q r v g t c < D { t t j k f c g 0" K l a p a l e k i a n a, 36: 157-159.

" f i G M" R 0 4 2 2 8 < F g r" f e k" (C o l e o p t e r a: C h r y s o m e l i d a e: A l t i c i n a e) " g u m c" c" U n q x g p u m c 0" O u v u m² o w | g w o. " P a x² O u q" p c f" O g w l" e" 9 8" r r" * k p" E | g e j. " G p i n k u j" c p f" I g t o c p" u w o o c t k g u + 0

FKGEMOCCP" N0 3 ; 9 9 < D g k v t 0 i g | w t" k p u g m v g p h c w p c" f g t" F F T < E q n g q r v g t c" 6" E w t e w n k p k f c g" * C r k p k p c g + 0" B e i t r ä g e z u r E n t o m o l o g i e, 27: 7-143.

FKGEMOCCP" N0 3 ; ; 2 < T g x k u k q p" f g t" N k z w u" c u e c p k k / I t w r g e" * E q n g q r v g t c. " E w t e w n k p k f c g + 0" R e i c h e n b a c h i a, 29: 203-212.

HCTMC" L0 (" H C U U C V K" O 0 3 ; ; < " U w d u r g e k L e" v c z q p q o { " q h" N g k u w u" o q p v c p w u" h t q o" E g p v t c n" G w t q r g" * E q n g q r v g t c < E c t c d k f c g < P g d t k p k + 0" A c t a S o c. Z o o l. B o h e m., 63: 407-425.

JCXGNMCL" L0 3 ; 8 7 < R" f u r x g m" m" r q | p" p" E q n g q r v g t" U n q x g p u m c. " 4 0" a u w" F q r n m { " m" T q w d c n q x w" M c v c n q i w" E q n g q r v g t 0" * D g k v t c i" | w t" M g p p y p k u" f g t" E q n g q r v g t p" f g t" U n q y c m g k. " 4 0" V g l a 0" P c e j v t 0 i g" | w o" M c v c n q i" E q n g q r v g t" x p" L 0" T q w d c n + 0" A c t a R e r. N a t u r. M u s. N a t. S l o v., 3 3 * 4 < < 7 7 / 3 2 8" * k p" E | g e j. " I g t o c p" u w o o c t { + 0

JNKUPKMQXUM" L0 3 ; 8 7 < D g k v t c i" | w t" X g t d t g k w p i" f g t" C t v g p" f g t" I c w w p i" C r k a p" J g t d u w" k p" f g t" E U U T 0" F a u n. A b h. M u s. T i e r k. D r e s d e n, 15: 191-206.

JQXQTMC" Q0 3 ; ; 7 < " a x t g p" a" | r t" x c" q" k p x g p v c t k | c p" o" r t | m w o w" g p v q o q h c w p f" x { d t c p e j" n q m c n k v" x" D t f g e j" - v o j e n s k é m ú j e z d u J i n c e 0" W p r w d n 0" o u e l" F g r q p" k p < Q i f i R" O —. " R" f d t c o. 3 2" r r" * k p" E | g e j + 0

JQXQTMC" Q0 3 ; ; 8 < k p x g p v c t k | c p" r t | m w o w" h c w p f" x { d t c p e j" n q m c n k v" x" D t f g e j" 0" x l q g p u m² o" A l g / f w" L k p e g 0" \ a x t g p" a"

zpráva za rok 1996/0 Wprwdn0 oue0 Fgrqp0 kp0 Qfir0 O —.R fdtc o. 37 r r r *kp E |ge j +0
J QXQTM C Q0 3 ; ; : c d \ a x t g p a / r t x c q r t x g f g p 2 o k p x g p v t k / c p f o r t / m w o w g p v q o q h c w p f / p c x t j a x c p 2 U R T
Jezer0 Wprwdn0 oue0 Fgrqp0 kp0 Qfir0 O —.R fdtc o. 36 r r r *kp E |ge j +0
J QXQTM C Q0 3 ; ; : d k \ a x t g p a / r t x c q r t x g f g p 2 o k p x g p v t k / c p f o g p v q o q n i k e m 2 o r t / m w o w x q d n c w k
p c x t j a x c p 2 r f t a f p f t g / t x c e g R c g / k v Wprwdn0 oue0 Fgrqp0 kp0 Qfir0 O —.F q d f. 37 r r r *kp E |ge j +0
J QXQTM C Q0 3 ; ; : e H c w p e u v g x f m q x k v e j * E q n g q r v g t c < E c t c d k f c g + p m v g t e j i n c m k v e g p v t a p f e j D t f . r r 0 3 4 4 / 3 4 7 0
I n : U d a t p f m t g h t a v m a p h t g t p e g R f t a f c D t f 3 ; ; : 0 Q m t g u p f A c f x R f d t c o . 3 4 ; r r * k p E | g e j + 0
J QXQTM C Q0 3 ; ; : < \ a x t g p a / r t x c q r t x g f g p 2 o k p x g p v t k / c p f o g p v q o q n i k e m 2 o r t / m w o w p c x t j a x c p 2
r f t a f p f t g / t x c e g C p f n u m 2 u e j q f f 0 Wprwdn0 oue0 Fgrqp0 kp0 Qfir0 O —.F q d f. 47 r r r *kp E |ge j +0
J T M C M 0 3 ; ; : 8 < E c t c d k f c g q h v j g E / g e j c p f U n a x c m T g r w d n k e u 0 E c t c d k f c g g u m 2 c U n a x g p u m 2 t g r w d n k m f . K a b o u r e k ,
 \ m p . 7 8 7 r r * k p E | g e j c p f G p i n k u j + 0
J T M C M 0 . X G U G N R 0 (H C T M C L 0 3 ; ; : 8 < X f w k v f u v g x f m q x k v e j * E q n g q r v g t c < E c t c d k f c g + m k p f k m e k l m x c n k v {
r t q v g f 0 K l a p a l e k i a n a . 5 4 < 3 7 / 4 8 * k p E | g e j . I g t o c p u w o o c t { + 0
L G N P G M L 0 3 g f 0 3 ; ; : 5 < E j g e m / n k u q h E | g e j g u n q x c m k p u g e v u K X * E q n g q r v g t c + 0 U g l p c o g u m q u n q x g p u m e j d t q w m 0
F o l i a H e y r o v s k y a n a , U w r r n 0 3 < 3 / 3 9 4 * k p G p i n k u j c p f E | g e j + 0
L W G P C F 0 . D G \ F M C 0 (V T X 0 4 2 2 2 < \ c l f o c x 2 p n g | { n k u v q t j e j d t q w m * E q n g q r v g t c < U e c t c d c g k f g c + p c
À | g o f g e j . O q t e x { c U n a x g p u m 0 k p v g t g u k p i h c w p l u k e t g e q t f u q h U e c t c d c g k f g c * E q n g q r v g t c + h t q o D a j g o k c .
M o r a v i a a n d S l o v a k i a) . K l a p a l e k i a n a . 5 8 < 4 5 5 / 4 7 9 * k p E | g e j . G p i n k u j u w o o c t { + 0
M T f N F 0 (X K V P G T L 0 3 ; ; : 5 < H c w p l u k e t g e q t f u h t q o v j g E | g e j T g r w d n k e 0 3 0 E q n g q r v g t c < U e c t c d c g k f c g 0 K l a p a l e k i a n a ,
2 9 : 1 8 .
N C K D P G T U 0 4 2 2 2 < G n c v g t k f c g q h v j g E / g e j c p f U n a x c m T g r w d n k e u 0 G n c v g t k f c g g u m 2 c U n a x g p u m 2 t g r w d n k m f . K a b o u r e k ,
 \ m p . 4 ; 4 r r * k p G p i n k u j c p f E | g e j + 0
N Q i G M X 0 . M W D M Q X f L 0 (M R T [C T R 0 * g f u 0 + 4 2 2 7 < E j t p p a A | g o f T . u x c / g m Z K K 0 U v g f p f g e j f 0 C i g p w t c
q e j t e p { r f t a f { c m t c l k p T c G m q E g p v t w o D t p q . R t c j c . ; 2 6 r r * k p E | g e j + 0
N D N k 0 (T f i k M C L 0 4 2 2 2 < H c w p l u k e t g e q t f u h t q o v j g E | g e j T g r w d n k e 0 3 3 9 0 E q n g q r v g t c < U v c r j { n k p k f c g <
S c a p h i d i i n a e . K l a p a l e k i a n a , 3 6 : 2 8 9 .
O M C R 0 3 ; ; : 7 < H c w p l u k e t g e q t f u h t q o v j g E | g e j T g r w d n k e 0 5 5 0 E q n g q r v g t c < N c v t k k f c g 0 K l a p a l e k i a n a , 3 1 : 1 4 7 .
P K G F N L 0 3 ; ; : 9 < D i a q p o k e m 2 c u u v g o c v k e m 2 r q l p a o m { m t q f w C e c m n u U e j 3 p j g t t * E q n g q r v g t c . E w t e w n k q p k f c g + 0
* D i a q p o k u e j g w p f u u w g o c v k u e j D g o g t m w p i g p | w f g p C e c m n u U e j 3 p j g t t o C t v p * E q n g q r v g t c . E w t e w n k q p k f c g + 0
r 0 u 0 U r a n g 0 G p v q o q n 0 U C X . 4 5 < 7 / 3 7 * k p E | g e j . I g t o c p u w o o c t { + 0
R T W P G T N 0 (O M C R 0 3 ; ; : 8 < U g l p c o q d e f c l g l k e j a u f x g u m 2 t g r w d n k e u f u n { o c r q x e j r q n f r t q u f q x 2
o c r q x p f h c w p f 0 N k u v q h u g v n g o g p v k p v j g E | g e j T g r w d n k e y k v j c u u q e k v g f o c r E g n f e q f g u h a t h c w p l u k e i t k f
o c r k p i u u w g o + K l a p a l e k i a n a . 5 4 * U w r r n 0 < 3 / 3 3 7 * k p E | g e j . G p i n k u j u w o o c t { + 0
T Q W D C N L 0 3 ; 4 2 < X { d t e p 2 r c t k q e j t e p { j q f p 2 p c R f d t c o u m w * N e u l g f g t o c v g t k o w o + 0 H r á s y N a š e h o D o m o v a ,
1 3 : 8 4 / 8 5 * k p E | g e j + 0
T Q W D C N L 0 3 ; 4 3 < F x c m q n g q r v g t a n i k e m 2 r f u r x m { | R f d t c o u m c 0 * F g w z e q p v t k d w k q p u e q n 2 q r v t a n i k i s w g u f g u
g p x t q u p f g R f d t c o + 0 c u l u 0 U r a n g 0 G p v q o q n 0 , 3 : < 4 8 / 4 ; * k p E | g e j . H t g p e j u w o o c t { + 0
T Q W D C N L 0 3 ; 4 4 < D a t g q c n k p u m 2 . j a t u m 2 c r q f j a t u m 2 m q o r q p p v { d t q w f | x f g p { x D t f g e j * E q o r q p p v u d a t 2 q /
c n r k p u . o q p v c p g u g v S u q w u / o q p v c p u 0 f g h c h c w p g e q n 2 q r v t g f c p u h g u o q p v i p g u f g D t f { * c p e g p v t e f g h c D a j m e) .
X f c R f t a f p f . 5 < 9 7 / 9 ; * k p E | g e j . H t g p e j u w o o c t { + 0
T Q W D C N L 0 3 ; 4 6 < F c n f p q x k p m { g u m e j d t q w m 0 * Y g k v g t g P g w j g k v g p f g t E q n g q r v g t g p h c w p c D 3 j o g p u + 0 c u l u 0
U r a n g 0 G p v q o q n 0 , 2 1 : ; 5 ; 6 * k p E | g e j . I g t o c p v k n g + 0
T Q W D C N L 0 3 ; 4 6 d < X | p c p e j m q x c f e j e j 0 * U w t s w g n s w g u G n c v g t k f g u t c t u g 0 c u l u 0 U r a n g 0 G p v q o q n 0 , 2 1 : 9 4 - 9 5
* k p E | g e j . H t g p e j v k n g + 0
T Q W D C N L 0 3 ; 4 7 < P q x k p m { g u m e j e q n g q r v g t 0 * E q n g q r v g t c D a j g o k e c g p q x c + 0 c u l u 0 U r a n g 0 G p v q o q n 0 , 2 2 : 1 0 6 - 1 0 7
* k p E | g e j . I g t o c p u w o o c t { . N c v k v k n g + 0
T Q W D C N L 0 3 ; 4 9 < P q x f d t q w e k g u m 2 h c w p { 0 * E q n g q r v g t c p q x c h c w p e g D a j g o k e c g + 0 c u l u 0 U r a n g 0 G p v q o q n 0 , 2 4 :
6 3 / 6 4 * k p E | g e j . N c v k v k n g + 0
R O U B A L J . 1 9 4 1 : M c v n i e q n g q r v g t U n a x g p u m c X e j f p f e j M e t r c v . f f n K K 0 U n a x c p u m A u v c x x p c m n c f c v g n u v x f
Q t d k u . R t c j c . 5 8 5 r r * k p E | g e j + 0
T Q W D C N L 0 3 ; 8 ; < G p v q o q n i k e m x | m w o R f d t c o u m c 0 X i n c n k x f p U d a t p f m R a f d t f u m * R f d t c o + . 5 < 1 5 6 - 1 8 7 (i n
E | g e j + 0
U E J P G K F G T L 0 . W T D C P U 0 (X T C D G E X 0 4 2 2 7 < G p v q o q n i k e m 2 f p { x t q e g 4 2 2 7 0 K l a p a l e k i a n a , 4 1 : 1 3 5 - 1 3 8
* k p E | g e j + 0
U N f O C O 0 3 ; ; : < V g u e m q x k v f o E g t c o d e f k e f g g u m 2 c U n a x g p u m 2 t g r w d n k m { * D t a q w e k o E q n g q r v g t c + . (B o c k k ä f e r
(C o l e o p t e r a – C e r a m b y c i d a e) d e r i s c h e c h i s c h e n R e p u b l i k u n d d e r S l o w a k i s c h e n R e p u b l i k) . M i l a n S l á m a ,

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 UVTGL GML03;5<c"Hcwplukve"tgeqtfu"htq o"vjg"E|gej" Tgrwdnke"6" ;0" Eqngqrvgtc" Ejt{uq o gnkfcg."Dtwejkfcg."
 Ewtewnkqpkfcg0"Klapalekiana, 29: 169-171.
 UVTGL GML03;5d<Hcwplukvem2."dkppq o kem2" c"vczppq o kem2"rq|p" o m{"m" o c p f g n k p m q x v o *Ejt{uq o gnkfcg"ul"hcvt+
 c"pqucveqkv o *Ewtewnkqpkfcg"ul"hcvt+ gum2" c"Unqxgpum2"tgrwdnkm{"Eqngqrvgtc+0"Hcwplukvejg."dkppq o kuejg"wpf"
 vczppq o kuejg"Dg o gtmwip"gp" |w"fgp Hc o knkpp"Ejt{uq o gnkfcg"ul"hcvt+wpf"Ewtewnkqpkfcg"ul"hcvt+cwu"fgt"Vuejgejkuejgp"
 wpf"Unq y c n k u e j g p " T g r w d n k m " * E q n g q r v g t c + 0 " K l a p a l e k i a n a . " 4 ; < 3 5 3 / 3 5 7 * k p " E | g e j . " I g t o c p " u w o o c t { + 0
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 V T"X0"3; ; < " T q | - f " p p " f t w j w " C r j q f k w u " * E q r t k o q t r j w u + u e t w c v q t " * E q n g q r v g t c " U e c t e d c g k f c g + " x " g e j " e j . " p c "
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 XGUGN "R0" ("VG fN"03; ; < " c l f " o c x 2 " p " n g | { " u v g x m " m q x k v e j " d t q w m " * E q n g q r v g t c " E c t e d k f c g + " | " g e j . " O q t c x { " c "
 Unqxgpumc"x"ngvej"3; ; 4/;8" c " f q r n p m " A f e l " q " u d t g e j " | " r g f e j " a | g l e f j q " q d f q d " * k p y g t g u v k p i " t g e q t f u " q h " i t q w p f "
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 36: 188.
 \-DGT"O0" ("PQXfM"X04223<"\ r "ftqfxf fp ej"udfmg" o w | g c " X X X X " 6 " D t q w e k " * E q n g q r v g t c + " 8 " 6 " E j t { u q o g n k f c g 0 "
 "Htq o"vjg" P c w t w g " U e k p e g u " E q n g e v k a p u " q h " v j g " O w u g w o " X X X X " 6 " D g g n g u " * E q n g q r v g t c + " 8 " 6 " E j t { u q o g n k f c g + 0 " S t u d i e
 c " \ r t " x f " Q m t g u p f j q " o w | g c " R t c j e x e j q f " x " D t c p f u g " p c f " N c d g o " 6 " U v c t " D q n g u c x k . " 3 6 < 3 9 ; / 4 2 3 * k p " E | g e j . "
 Gpinkuj"uw o oct{+0

SUMMARY

Vjku"ctvkeng"uw o octk|gu"vjg"tguwnvu"qh"cp"kp"kv"v"jg"hcwpc"qh"dggngvu"Eqngqrvgtc+
 kpjcdkvpki"vjg"Dtf{"jknnu"cpf"vjg"Uv gfp"Rqxnvcx"tgikp"kp"Egptcn"Dqjg o kc"kp"vjg"E|gej"
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 Hqtguw{"cpf"C i k t e w n w t c n " U g t x k e g u " n q e c y g f " k p " D t f { . " L k p e g 0

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 30"Rcft um2"t{dp}m{"*856:d+<Dtf{"jknnu."32"m o "U Y"qh" T q l o k v " n " r q f " V g o - f p g o . " 8 5 2 / 8 7 2 " o "
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 40"W"D f | {"*846; e+<Dtf{"jknnu."gcuvgtp"hqqv"qh"Vqm"jkn."507"m o " Y " q h " Q d g e p k e g . " 8 7 2 / 8 ; 2 " o "
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 beech (*Fagus sylvatica*), oak (*Quercus* sp.), mountain ash (*Sorbus aucuparia*) etc.
 50"Vqm"jkn"*846; e+<Dtf{"jknnu."607"m o " Y " q h " Q d g e p k e g . " 9 2 2 / : 7 2 " o " c 0 u 0 n 0 . " 4 : 0 x 0 4 2 2 7 = " c t v k L e k c n "

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eqydggt{"**V. vitis-idaea*+."hgtpu"*Rvgtkfqrufc+"cpf"ogcfqyu="urtweg"hgqguvu"ykvj"dktej"**Betula
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and oak (*Quercus* sp.).

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scoparius*+. "tqem {"uqw j/hceki"hgqguv"uvgr rgt"Uq o g"rctvu"ykvj"kpkvcvfg"uweeguukqp"qxgt i tqy p"
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Gki jvggp"gpvq o qnq i kuvu"rctvkekrckpi"kp"vjg"ogvki"kf gpvkLgf"7: 8" dggvng"urgekgu"qh"55"
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tgi kq"*nqecnkvgu" Pqu0 6/ : +0

Vjg"encuukLecvkqp"cpf"pq o gpencvwtg"kp"vjg"nkuv"qh"tgeqt fu"*oUqwrku"p"ang| o+ "hqnnyu"Lnfp"pgm"
*3; ; 5+ "J tmc*3; ; 8+."Nckdpgt"*4222+"cpf"Un a o c*3; ; ; +0" fkhgtgpv"nqecnkvgu"ctg"ugrctcvgf"d {"
ug o keqnpqu0" Wpnguu"qv j t y kug"pqvg f"*d {"kpkvkcu"qh"vjg"rgtuqp"y j q"kf gpvkLgf"vjg"urgek o gp+."
vjg"eqnngvqt"cnuq"kf gpvkLgf"vjg" dggvngu0

Tgeqt fu"qp"67"tg o ctmcdng" dggvng"urgekgu"kp fkecvfg" d {"vjg"u {"o dqn" M"*M3/M67+."kpenw fki"
dkqpfkcevtu"cu"pqvgf" d {"J tmc"gv0"cn0*3; ; 8+ "cpf"Uvtgl gm"*4222d."4223+ "cpf"urgekgu"rtqvgevgf"
d {"hc y"qh"vjg"E | gej" Tgrwdnke."ctg" dtkg l {"eq o o gpvgf0"kp"vjg"Dtf {"jknna"vjg {"kpenw fg" *Carabus
arvensis arvensis*, *Cicindela campestris campestris*, *Cicindela sylvicola*, *Epaphius rivularis*,
Bembidion humerale, "Dtcf {egmwu" twLeqmku, *Lebia cruxminor*, *Oxythyrea funesta*, *Meloe
violaceus*, *Donacia clavipes*, *Minota obesa*, *Rhinomias forticornis*, *Pissodes scabricollis*,
Acalles pyrenaicus, and *Micrelus ericae*0"kp"vjg"Uv gfp"Rqxnvcx" tgi kq"vjg {"kpenw fg" *Elaphropus
parvulus*, *Lebia cruxminor*, *Sisyphus schaefferi*, *Oxythyrea funesta*, *Dicerca berolinensis*,
Xylotrechus arvicola, *Cortodera femorata*, *Grammoptera ustulata*, *Pedostrangalia revestita*,
Phytoecia cylindrica, *Lachnaia sexpunctata*, *Chrysolina cerealis cerealis*, *Chrysolina analis*,
Lochmaea suturalis, *Phyllotreta christinae*, *Aphthona atrocaerulea*, *Aphthona nigricutis*, *Dibolia
cryptocephala*, *Apion formaneki*, *Apion immune*, *Apion gracilipes*, *Rhinomias forticornis*,
Trachyphloeus rectus, *Lixus ochraceus*, *Acalles aubei*, *Acalles boehmei*, *Acalles hypocrita*,
Ceutorhynchus hirtulus, *Mogulones euphorbiae*, *Mogulones venedicus*, and *Mecinus janthinus*.

Vjg"tctg"cpf" o quv |qqigqitcrjkecn{"k o rqtvcpv"urgekgu"ctg"Epaphius rivularis"*xgt{"tctg"cpf"nqecn"tgnkev"urgekgu"qh"ygv"jcdkvcvu+. Sisyphus schaefferi"*kp"Dqjg okc"qpn{"kp"vjg"yctoguv"ctgcu<"Dqjg okc"p"mctuv." gum²"uv gfgjq "jknmu="Łtuv"tgeqtf"hqt"vjg"R {dtc o "tgi kqp+. Aphtona nigricutis"*uvgpqvrke"urgekgu."qnkiqrjciqwu"qp"Tithymalus ur r0="kp"vjg"E|gej"Trwdnke"tctg"kp"Oqtcxc."htq o "Dqjg okc"pqv"tgegpvn{"mpqyp"gzegr"vjg"nqecnk{"qh"R gfp"Ejnw o+. Apion immune"*qpg"qh"vjg" o quv"uk i pkŁecpv"tgnkev"urgekgu"qh"vjg"Uv gfp"Rqxnvcx"tgi kqp." o qpr jci qwu"on Cytiscus scoparius="kp" Dqjg okc"mpqyp"qpn{"htq o "vyq"hwvjgt"nqecnkkgu<"Xgnm^a"kp"vjg"R {dtc o "tgi kqp"cpf"vjg"xcmg {"qh"vjg"Oflg"tkxgt"kp"y guvgt"Dqjg okc+. Acalles aubei *xgt {"tctg"urgekgu"qh"pcwten"hqtguvu"qh"vjg"Uv gfp"cpf" J qtp"Rqxnvcx"tgi kqpu"ykvj" c"tgnkev"ejctcevtg"qh"qeewttgpeg="kp"vjg"E|gej"Trwdnke"qpn{"kp"htci o gpvu"qh"pcwten"fgkfwqu"hqtguvu"kp"vjg"

