

™ktqrću"dnepqm ffl*J { ogpqrvgte<U{ o r j {vc+"Lk|gtum ej"jqt" c"Ht fncpvumc

U{ o r j {vc*"J { ogpqrvgte+"qh"vjg"Lk|gtum²"jqt{"Ovu"cpf"Ht fncpv"tgikqp"
*pqtvjgtp"Dqjg okc."E|gej" Tgrwdnke+

Lcp" OCEGM

Gpvqoqnqikem²"qff ngp" Pªtqfpfjq" o w |gc."Mwptcvkeg"3."E \ "ó"36: "22"Rtcjc"6"
g/ o ckn<"lcpa o cegm B p o ðe|"

Cduvtcev" C"hcwpkvke"uwtxg| "y cu"ecttkg"qww"cv"ugngevgf"nqecnkkgu"qh"vjg"Lk|gtum²"jqt{"Ovu"cpf"Ht fncpv"tgikqp"
kp"4224642290"kp"vqcn."492"urgetgu"qh"U{ o r j {vc*"Rc o r j knkkfcg"ó"35."Ctikfcg"ó"32."Fkrtkpkfcg"ó"6."Vgvpjtgfkpk/
fcg"ó"45:."Egrjkfcg"ó"6."Zkrj{fttkfcg"ó"3+"ygtg"tgeqtfgf"kp"vjg"uwf{"ctgc"l" *Amauronematus hartigi* Ucttkppg."
3;72."A. ranini" Nkpf sxlv."3;82."A. sagmarius" Mppqy."3: ;7."A. stenogaster"*H4tvtg."3:76+."Anoplonyx destructor
Dgpuqp."3;74."Nematus frenalis" Vjq ouqp."3: ;. "N. respondens" H4tvtg."3:76."Phyllocolpa alienata"*H4tvtg."3:76+."
*Ph. erythrotyga**H4tvtg."3:76+."Pristiphora breadalbanensis"*Ec o gtp."3: ;4+."P. coactula"*Twwjg."3:7; +."P. confusa
Nkpf sxlv."3;77."cpf" *P. insularis*" Tqj ygt."3;32"ctg"pgy"tgeqtfu"ht"vjg"E|gej" Tgrwdnke-" *P. parva** Jctvki."3:59+."
P. pseudodecipiens Dgpg-" ("M fuvgm."3;98."cpf" *P. tetrica** \cf fcej."3: ;5+"ctg"pgy"tgeqtfu"ht" Dqjg okc" *Dolerus
brevicornis*" \cf fcej."3:7; ;."D. liogaster schneideri" Mkgct."3: ;. "Pachynematus omega"*Dgpuqp."3;77+."cpf" *Taxo-
nus alboscuteclatus*" Pkg|cdkvq y umk."3: ; ; ; "ctg" r t g x k q w u n {" r w d n k u j g f " L t u v " t g e q t f u " h q t " v j g " E | g e j " T g r w d n k e " o c f g " k p " v j g "
uwf{"ctgc"cpf" *Dolerus genucinctus*" \cf fcej."3:7; ; "cpf" *Empria immersa** Mmwi."3:3; + "ctg" r t g x k q w u n {" r w d n k u j g f "
Łtuvtgeqtfu"ht" Dqjg okc" o c f g " k p " v j g " u w f {" c t g c " l " *Filipendula ulmaria* " c p f " *Rubus idaeus* " c t g " v j g " L t u v " t g e q t f g f " h q f "
rncpv"qh" *Taxonus alboscuteclatus*" Pkg|cdkvq y umk."3: ; ; ;

Mg{"yqtfu< J { ogpqrvgte."U{ o r j {vc."Lk|gtum²"jqt{"Ovu."Ht fncpv"tgikqp."hcwpkvkeu."pgy"tgeqtfu

—XQF

™ktqrću"U{ o r j {vc+"luqw"rqfª fg o" dnepqm ffl²j q j o { |w* J { ogpqrvgte+0" Xgu o u"ug"lgfpa"
q"i g p g t c n k | q x c p² h { v q hª i { *u" x l k o m q w " g n g f k " Q t w u u k f c g " ó " g m v g r t c e | k v q k f " w " h c t g x " z { n q hª i p f j q "
j o { | w + . " I g l k e j f l " n c t x { " u g " x { x f l g l f " r g xª f l p " g z q hª i p . " o² p " g p f q hª i p " p c " t | p e j " t q u v n k pª e j "
*m t { v q u g o g p p e j . " p c j q u g o g p p e j " k " m e r t c t q t u v g e j + 0 " X { u m { v w l f " u g " | f g " l c m " f t w j { " r q n { hª i p f l . " v c m "
q n k i q hª i p f l . " I g p " x |ª e p " o q p q hª i p f l " ™ k t q r c u f l . " r g u " l g l k e j " r q o t p q w " c v t c m v k x p q u v . " l u q w " p c " A | g o f l "
T"uvªng"pgfquvcg p "uvvfqxcppqumwrkpqw."lcm"fqmc|wlg"pgocn "pªt uv"rtxqpªng| "rtq" T"
*Oceg m"4228."422: +0" F xqfg o"lg" r gfgx- f o " p g f q u v c v g m " f q oª e f e j " u r g e k c n k u v 0 " X " p g fª x p²"
o k p w n q u v k " u g " v q w v q " u m w r k p q w " p c " A | g o f l " T " | c d x c n " M 0 " D g p g - . " m v g t " q r w d n k m q x c n " c f w " l c m "
v z q p q o k e m e j " r t c e f l . " v c m " r g f g x - f l o " r t c e f l | c d x c l f e f e j " u g " d k p q o k f l | g l o² p c " jª n m q v x q t p e j "
f t w j 0 " U v c x " r q | pª p f l - k t q r c u e j " d { n " u j t p w v " h q t o q w " e j g e m / n k u w w " D g p g - " 3 : ; + . " x " p o f l " u g " r t q "
À | g o f l " d x c n² j q " g u m q u n q x g p u m c " w xª f f " x u m { v " 839 " f t w j 0 " Q " v² " f q d { " h c w p k u v k e m² " r f u r x m { "
Rª f t c * 3 ; ; 2 c . d + c " t g e g p v p " O c e m c * 4 2 2 8 . 4 2 2 : + f q r n w l f " h c w p k u v k e m " c t e j k x - k t q r c u e j " q " f c n - f l "
p q x² " pª n g | { " f t w j . " x | v c j w l f e f l " u g " r t q " e g n² " A | g o f l " g u m² " t g r w d n k m { " p g d q " l g p " r t q " A | g o f l " g e j "
c " O q t c x { 0 " X " u q w c u p q u v k " u g " e g n m q x " r q g v " f t w j " p c " e g n² o " A | g o f l " g u m² " t g r w d n k m { " | x - k n " p c " 887 . "
e q f l " q x - g o " I g - v " p g n | g " r q x c f l q x c v " | c " f g L p k v x p f l " u v c x l " \ g | m q w o c p² j q " A | g o f l " L k | g t u m e j " j q t "
c " H t f n c p v u m c " p g g z k u v l f l " f i² f p² " r w d n k m q x c p² " A f c l g " m t q o " r t x q pª n g | " w x g g l p p e j " x " r t c e f e j "
O c e m c * 4 2 2 8 . 4 2 2 : + 0 "

OGVQFKMC" C" OCVGTKfN

Kpxgpvctk|c pffrt |mw0~ktqruc ej"xLk|gtum ej"jqt^ej'c'pc'Ht fncpvumw'd{n'wumwv p p'x'ngvej'4224642290" Rqftqdp 1-f'x|og|gp'c'ejectcmvgtkvmc'ungfquxcp^jq'À|g|o'f'xk|'Xqpk mc' ('Xk- am*422:~0'Ud t'gpvqoqqikem^jq' ocvgtk'w'd{n'rtqx^f p'lgfpcmhqt o'qwr'gtkqflem^jq'q'fd tw'x|qtm |'f|umcp ej'|'egngug|>pp 'kpvuciqxcp ej'"Ocnckugj' r'cu'f'flnw ej'okugm.r'f'ctokf'np'fej'c'g'og'eti'gpv'fej'rcu'f'0'rtq'xg-mgt "ocvgtk'n'|'rcu'f'rcw'f'<L'0'rtk'ung' ('R'0'Xqpk mc' ni'v'V'q'xgnok'ghgm'kx'p' m'xcp'kvc'kx'p'og'v'f'<d'n'f'x'j'q'p' m'q'od'k'p'q'x'p'f'f'c'n-f'ok'ud'p' ok'og'v'f'c'ok'uo' m'p'f'o' xg'ig'v'ceg'x-g'<L'0'rtk'ung'ni'v'0~c'k'p'k'f'k'f'w'np'f'o'ud'tg'o'f'qur ne *L'0' Oceg'm'ni'v'0~0'P'cud'f'f'c'p "ocvgtk'n'd{n'rtq'xk|q'tp' w'q'f'f'p'f'q'mq|g'txc p'f'cm'q'j'q'q'x^2'z'z'f'g'c'r'q'ru'w'p' |'rt'ceq'x^x'p'0'Rqftqdp 'v'f'v'q'o'g'v'q'f'f'r'q'rk'uw'g'Xqpk mc^*422:~0' Xg-mgtq'w'f'v'g't'ok'p'cek'f'f'w'j' 'rt'q'x'g'f'n'c'w'q't'p'q'o'g'p'm'c'w't'c'lg'r'f'q'ng'V'c'g'ig't'c'g'v'c'm'0'4228'0~f'cl'g'q'f'f'k'x'p' ej'>tu'q'w'k'p'ej' lu'q'w'r'q'f'ng'V'c'g'ig't'c'g'v'c'm'0'3; ; : +. r'q'm'w'f'p'g'p'f'w'x'g'f'g'p'q'k'p'c'm'0'H'c'w'p'k'v'k'em'f'x |'p'c'o'p^2'p'ng |'c'r't'x'q'p'ng |'lu'q'w'w'q'f'f'p' x'g'ud'f'tm'ej'>G'p'v'q'o'qq'ik'em^2'j'q'f'f' ng'p'f'P'a't'q'f'p'f'j'q'ow'g'c'x'R'tc|g/M'w'p't'c'v'k'e'f'ej'0

R g jngf' hqmcnk v

—fcl'g'm'hqmcnk'v'o'lu'q'w'x'g'f'g'p'f'x'p'ang'f'w'f'e'f'o'r'q'c'f'f'c' f'unc'c'p'a'g'x'hqmcnk'v'q'dge.' au'q'deg.ejt'p'p'2'À|g'o'f' x'tej'q'n'c'r'q'f'h'f'c'w'p'k'v'k'em "oc'rx "vx'tge'RTw'p'g't' ('O'f'm'c'3; ;8+.p'c'f'o'q'um'a'x -m'c.'d'k'q'v'c'|'m't'c'v'c'm'c'r'q'w'f'k'v' ej'og'v'q'f' ud'tw'0'P' m'v'gt^2'hqmcnk'v'lu'q'w'tq|f'ng'p'f'p'c'x'f'g'c'k'q'v'r .m'v'gt^2'lu'q'w'q|p'c'g'p'f'r'f'u'og'p'f'0'R'q'w'f'k'v^2'|m't'c'v'c'<'G'V'0'g'og't/ig'peg'v't'c'ru'g'og'g'ti'gp'v'f'rcu'w'k'v'OV'0'O'c'nc'k'ug'v't'c'ru'g'O'c'nc'k'ug'j'q'r'cu'w'k'v'R'f'f'0'r'f'c'ok'f'c'n'v't'c'ru'g'r'f'c'ok'f'np'f'rcu'w'k'v' [RV'0'g'g'm'q'y'rc'p'v't'c'ru'g'f'flnw^2'o'k'um'f'+^'U'Y'0'6'u'y'g'g'r'k'p'i'~u'o' m'p'f'f'x'g'ig'v'ceg'g'p'v'q'o'qq'ik'em'q'u'f'f'f'P'RT'0'p'a't'q'f'p'f' r'f'q'f'p'f'g't'g'x'ceg.'RT'0'r'f'q'f'p'f'g't'g'x'ceg.'R'R'0'r'f'q'f'p'f'rc'o'v'm'c'0

J3_Df'n "Rq'v'q'm.'7379.<[1a]o'q'm'c'f'c'x'n'j'm^2'n'q'w'm'f'p'c'f'm'q'w'r'c'n'k'v-o' o'k'f'f'p' "q'f'q'deg.'632'o' *U'Y+= [1b]o'q'm'c'f'f'.'h'q'w'm'f' c'r'cu'w'k'p'f'r'q'f'f'2'n'D'f'n^2'j'q'r'q'v'q'm'c.'642'o' *U'Y+= [3e].t'c'd'p'f' m'f'ux'0'q'f'f'g'n'0'w'c'p'k'eg.'672'o'.'r't'c'o'g'p'k'v-.'o'q'm'c'f'.'h'q'w'm'c' *OV.' [RV.'U'Y'+0']4."D'w'm'q'x'g'e'RT.'737.<[2a]'ng'up'f' r't'c'o'g'p'k'v- 'p'c'f'x'0'x'c'j'w.';42'o' * [RV.'U'Y'+= [2b]'R't'c'ng'w'm'c.' 22'o'.'j'q't'um'f'.'h'q'w'm'c.'r't'c'o'g'p'k'v- *R' [T.'U'Y'+=]5. "g't'p'j'q't'c'RT.'7379.'3'272'o'.'t'c'-g'n'k'p'v- 'X'a'p'q'p'f'q'w'm'c' *OV.' [RV'+0']6."g't'p'q'w'u'f'X'R'q'k'.'7278.'472'o'.'u'q'w'v'c'x'c't'c'd'p'f'm'x' ej'q'f'p' "q'f'q'ue'f'f'.'o'q'm'c'f'w'r'f'v'q'w'm'f'q'f't'c'd'p'f'm'c' *OV.'U'Y'+0']7."J'c't'v'c'q'd'g'e' H't' f'nc'p'w'.'7278.'482'o'.'À'f'q'm'f' g'm'f'U'o' f^2.'d'g'j'f'c'r'f'v'q'm'f' *U'Y'+0']8."J'q't'p'f'R'g't'v'q'v'k'eg' *q'd'g'e'R'g't'v'q'v'k'eg'.'7278.'522'o'<[6a]'J'c'p'k'p'f't'c'd'p'f'm'.'r'q'f'o' a'g'p'a'q'n'k'p'c' *OV'+= [6b]'T'm'a'm' x't'c'd'p'f'm'.'o'q'm'k'p'f' *U'Y'+0']9."J'q't'p'f'R'q'w'd'p' *q'd'g'e'M'q'g'p'q'x'.'747.'922'o'<[7a]'o'q'm'c'f'.'r'q'v' g'm.'u'o't'p' q'x'f'f'q'om'f' *U'Y'+= [7b]'o'q'm'c'f'f' c'ng'w'm'f' 'l'x'0'q'f'q'ue'f'f' *U'Y'+0']10."L'g'f'iq'x' f' n'RT.'7479.'892'o'.'u'o'f'g'p' 'ng'u.'d'g'j' r'q'v'q'm'c'L'g'f'iq'x'a' *OV.' [RV.'U'Y'+0']9]M'f'f'iq'x'x't'ej'RT.'7278.'542'o'.'o'q'm'c'f' *U'Y'+0']32."N'k'd'g't'g'e'X'g'u'g'e.'7478.'582'o'.'À'f'q'm'f'X'g'u'g'em^2'j'q'r'q'v'q'm'c.'o'q'm' /c'f' *U'Y'+0']33."N'w'f'x'm'q'x'r'q'f'U'o't'm'g'o' *q'd'g'e'P'q'x^2'O' w'q'r'q'f'U'o't'm'g'o'+.'7279.'652'o'.'r'cu'w'k'p'f' |'r'c'f'p' "q'f'q'd'eg' *U'Y'+0']34."O'c'n'a'U'v't'c'p'c'RT.'7479.'922/942'o'.'n'q'w'm'f'.'o'q'm'c'f'f'.'t'c'd'p'f' g'm.'r'q'v'q'm' *OV.' [RV.'U'Y'+0']13]O'g'c'p'f't'f' U'o' f^2'RT.'7278.'442'o'<[13a]'d'g'j't'c'd'p'f'm'c'F'w'd'm'.'t'c'd'p'f' g'm'ux'0'q'f'f't'c'd'p'f'm'w'F'w'd'm'.'o'q'm'c'f'.'r'q'f'o' a'g'p'a'q'n'k'p'c' *GV.'OV.' [RV.'U'Y'+= [13b]'q'ue'f'c'H'k'k'r'q'x'm'c' *q'd'g'e'X'k- q'x'+.'p'k'x'c'U'o' f^2.'d'g'j' g'm'f'.'q'n'k'p'c' *OV'+0']36."O'k'p'm'q'x'k'eg' *q'd'g'e'X'k- q'x'+.'7278.'472'o'.'r'q'v'q'm'.'o'q'm'c'f'f' *U'Y'+0']37."O'p'f'-g'm.'7378.'5:2'o'.'x'n'j'm^2'n'q'w'm'f'w'f'g'n'0'w'c'p'k'eg' *U'Y'+0']38."P'q'x'a'h'q'w'm'c'RT.'7379.'992'o'.'d'g'j'D'nc'v'p^2'j'q'r'q'v'q'm'c.'t'c'-g'n'k'p'v' u'o't'k'p'c' *OV'+0']39."Q'nf'k'ej'q'x'x'J'a'f'ej.'7378.'622'o'.' "au'v'P'c'R'k'n'ej'.'r'q'v'q'm'f'g'k'eg' *U'Y'+0']3:."Q'nf'k'ej'q'x'um^2'ug'f'ng.'7378.'722'o'.'X'k'p'p'a'eg'v'c'w'd'k'p'c' * [RV.'U'Y'+0']3;."R'nc'x'.'7479.'622'o'.'À'f'q'm'f'R't'q't'w'd'um^2'j'q'r'q'v'q'm'c.'t'c'd'p'f' g'm.'ng'up'f' r'q'v'q'm' *U'Y'+0']42."R'q'ng'f'p'f'm' *x't'ej'q'n.'P'RT' L'k|g't'um'q'j'q't'um^2'd'w'k'p'f'.'7378.'.72'o'.'d'w'k'p'c' *OV.'U'Y'+0']43."R'q'w'v'g'em' *q'd'q't'c'x' ej'q'f'p' "q'f'q'ue'f'f'f' "R'q'w'w'm'c.'q'd'g'e' X'k- q'x'+.'7278.'4:2'o'.'D'w'm'q'x'um' r'q'v'q'm'.'ng'up'f't'c'd'p'f'm'f' *U'Y'+0']44."T'c'urg'p'c'x'c.'7378'c'[22a]'t'c'd'p'f'm'J'c'm'g'p'c' r'q'v'q'm' ^m'q'n'k'ej'j'.'o'q'm'c'f'.'r'cu'w'k'p'f' *U'Y'+= [22b]'J'q'w'd'f' r'q'v'q'm' r'q'f'f'g'n'0'v't'c'f'.'o'q'm'c'f'.'q'n'k'p'c' *U'Y'+0']45."T'c'-g'n'k'p'k'v- 'L'k|g't'um'q'j'q't'um^2'P'RT.'737.<[23a]'U'ch'f't'q'x' r'q'v'q'm'.'.72'o'.'d'g'j' r'q'v'q'm'c.'n'q'w'm'c' * [RV.'U'Y'+= [22b]'t'c'-g'n'k'p'k'v- 'M'n'w'ig'j'q'ng'w'm'c.'.82'o' *OV.' [RV.'U'Y'+0']46."T'c'-g'n'k'p'k'v- 'L'k|g't'f' P'RT.'737:.'.52/:92'o'.'t'c'-g'n'k'p'k'v- 't'c'-g'n'k'p'p'a' u'o't'k'p'c'.'d'g'j' 'L'k|g't'f' *OV.' [RV.'U'Y'+0']47."T'g'l'f'k'eg.'747:.'.872'o'.'r'q'v'q'm'f'g'-m't'c'd'g'e'.'r't'c'o'g'p'k'v-.'o'q'm'c'f' *GV.' [RV.'U'Y'+0']48."T'f'd'f'ng'w' m'f'RT.'737:.'.72'o'.'t'c'-g'n'k'p'k'v- *OV.' [RV'+0']49."U'o't'm'f'c'c'uk'x'j'q't'f'+.'7379'c'[27a]'x't'ej'q'q'x'a' u'o't'k'p'c'p'c'l'0'x'c'j'w.'3'322'o' *OV.' [RV.'U'Y'+= [27b]'M'ng'q'x'k'v- .3'272'o'.'u'o't'm'q'x'a' o'nc|k'p'c'p'c'l'0'x'c'j'w' * [RV.'U'Y'+= [49e]'X'nc-um' 'j' d'g'y.'.22'o'.'d'w'k'p'c' *OV.' [RV'+= [49f]'N'k'd'x'g't'f'um' 'o'q'm'c'f'.'922'o'.'d'g'j' \t'c'eg'p^2'j'q'r'q'v'q'm'c.'ng'up'f' r't'c'o'g'p'k'v- * [RV'+0']4:."M'q'ue' x't' t'c'd'p'f'm' *k'f'f'p' "q'f'f'c'g'p'c'x'f'+.'7378.'572'o'.'J'q'w'd'f' r'q'v'q'm'.'o'q'm'c'f'.'q'n'k'p'c'.'n'q'w'm'c' *OV.' [RV.'U'Y'+0']14;."M'rk' a'm' *x't'ej'q'n.'P'RT' L'k|g't'um'q'j'q't'um^2'd'w'k'p'f'+.'7378.'822'o'.'d'w'k'p'c'.'r'q'v'q'm' * [RV.'U'Y'+0']52."V'k'e'j'a' "f' m'c'RR.'7479.'972'o'.' x'n'j'm^2'n'q'w'm'f'.'t'c'-g'n'k'p'k'v- *OV.' [RV.'U'Y'+0']53."W'M'f'ug'm'm'f' *k'f'f'p' "q'f'f'p'q'x^2'j'q'Q' u'v'c'r'q'f'U'o't'm'g'o'+.'7479.'822'o'.'À'f'q'm'f' \t'c'eg'p^2'j'q'r'q'v'q'm'c.'o'q'm'c'f'.'ng'u.'r'q'v'q'm' *OV.' [RV.'U'Y'+0']54."n'c'v' "Q'ng'-p'leg.'747.<[32a]' "au'v'P'a'x'c't'q'x'um'.'822'o'.' n'w' p'f'r't'c'o'g'p'k'v- *U'Y'+= [32b]'f'c'f' r'q'v'q'm' r'g'f'À'u'f'o'f'q'f' \nc'v'p'f'mw.'682'o'.'o'q'm'k'p'f' *U'Y'+0

R gjngf"lk-v p ej"ftwj "

W"mcflf2jq"ftwjw"lg>wxgfgpc"nqmcnkvc"*nqmcnk{+"c"fcvwo"*kpvgtxcn+"ud tw0"Rqwfkv2"|mtcv{<
D#o"pqx "ftwj"rtq" gej{.E\#o"pqx "ftwj"rtq" gumqw"tgrwdnkmw=" Uo"mcvgiqtkg|" gt/
xgp2jq"ug|pc o w"qj tqflgp ej"ftwj "dg|qdtcvn ej" T"*Ocegm4227+<EN"o"qj tqflgp "ftwj."
XW"o" |tcpkvgnp "ftwj0"

Rc o r jknkkfcg

Acantholyda posticalis Ocvuw o wtc."3;34

X-wfg."|glo2pc"xpkf-flej"rqnjq"aj"tq|-f|gp "ftwj0"Nctx{"ug"x{xflglf"pc"dqtqxkefej."jncxp "
pc"Pinus sylvestris."xLk|gtum ej"jqt"aj"x"ap"pc"dqtqxkek"mng "Pinus mugo+0

gtp"ajqt"RT"j5_<40/470XK042260" Tc-gnkp-v "Lk|gtm{"PRT"j45d_<380XK0/70XK042270"

Cephalcia abietis *Nkppcgwu."397: +

X-wfg"ug"u o tmgo "tq|-f|gp "ftwj."|glo2pc"xg"u o tmqx ej" o qpqmwnvwt"aj"0"Rqurqnp2"nctx{"
ug"x{xflglf"pc"u o tefej"*Picea"ur r0+."r k"r g o p q f l g p" o q j q w" | r u q d q x c v" j q n q f l t { 0

Dwmqxe"RT"j4d_<0/450XK042250" Tc-gnkp-v "Lk|gt{"PRT"j46_<70/390X042250"U o tm"j49d_<420XK0/350XK042280"
"rk "am [29]<40X0/350XK042250"Vkej"am" f mc"RR"j52_<80X0/470XK042260

Cephalcia alashanica "I wuucmqxumkl."3;57

Nqm"npf"ftwj"x"ap|cp "x"eg"pc"jqtum2"u o t kp{0"Rqurqnp2"nctx{"ug"x{xflglf"pc"u o tefej"*Picea"ur r0+0

Rqgfpm"j42_<470XK0/360XK042260"U o tm"j49c_<40/430XK042280"

Cephalcia alpina"Mnwi."3:2: +

Nqm"npf"ftwj"x"ap|cp "pc"jqtum2"u o t kp{0"Uqnkv2tpf"nctx{"ug"x{xflglf"pc"u o tefej"*Picea"ur r0+0

Dwmqxe"RT"j4d_<70/530X042250" Tc-gnkp-v "Lk|gt{"PRT"j46_<390/4;0X042250" T{d"nqw m{"RT"j48_<70/4;0
X042250

Cephalcia annulicornis"Jctvki."3:59+

Xgn o k"nqm"npf" dqtgq o qpv"ppf"ftwj"x"ap|cp "pc"jqtum2"u o t kp{0"Uqnkv2tpf"nctx{"ug"x{xflglf"
pc"u o tefej"*Picea"ur r0+0

T{d"nqw m{"RT"j48_<70/390X042250"rk "am"j4;_<60/390X042250

Cephalcia arvensis"Rcp|gt."3:27

Xg"x-gej"rqnjq"aj"ug"u o tmgo "tq|-f|gp "c"jqlp "ftwj0"Nctx{"ug"x{xflglf"pc"u o tefej"*Picea"
ur r0+0

Dwmqxe"RT"j4d_<4;0X0/320XK042250" gtp"ajqt"RT"j5_<80X0/40XK042260" Pqx"aqwmc"RT"j38_<520X0/70XK042240"
Tc-gnkp-v "Lk|gt{"PRT"j46_<4;0X0/480XK042250" T{d"nqw m{"RT"j48_<70X0/320XK042250"rk "am"j4;_<40/4;0X042250"
Vkej"am" f mc"RR"j52_<0XK042260"W"M{ugm{"j53_<350XK0/90XK042280"

Cephalcia erythrogaster"Jctvki."3:59+

Xgn o k"nqm"npf" c"rq o tp "x"ap "ftwj"tq|-f|gp "ug"u o tmgo "xg"x-gej"rqnjq"aj"0"Nctx{"ug"x{xfl/
glf"pc"u o tefej"*Picea"ur r0+0

Dwmqxe"RT [2b]<390/530X042250

*Cephalcia lariciphila** Ycejvn."3: ; ; +

Dqqtgq o qpv^app^lftwj."xg^{uv} gfp^lGxtqr "r xqfp "x"jqt^aej."ugmwpf^atp "tq|-^l gp "u"o qf ^lpg o "k"x"pkf|-^lej"r qnqj^aej⁰Uqnkv²tp^lnctx {"ug"x{x^llg^l"pc"o qf ^lpw}**Larix* ur r0+0

Dwmqxe^{RT}[2b][<]390X0/320XK042250^lTc-gnkp^{k-v} "Lk|gt{"PRT"}46.[<]70/390X042250^lT{d^lnqw m{"RT"}48.[<]4; 0X0/480XK042250^lU o tm [27a][<]330X0/40XK042280^lW^lM{ugm{"}53.[<]40/420XK04228.^{350XK0/90XK042280}

*Pamphilius betulae**Nkppcgwu."397: +

Tq|-^l gp ."cng"xgn o k^hqm^anp^l"c"x|^aep "ftwj|p^a o "lgp|"qlgfkp n ej^ang| 0^lNctx {"ug"x{x^llg^l"pc"qukeq}**Populus tremula*+. "r ^lr cfp "k"pc^llkp ej^aftw|^lej^avqrqn 0

Rqngf^pm [20][<]40/470XK042260

*Pamphilius hortorum**Mnwi."3: 2: +

Tq|-^l gp "c^fquk^jqlp "ftwj^qd xc^le^ljncxp "ngup^lqmtclg^cr cugm {"u^rrtquv {"o cnkp^lm 0^lNctx {"ug"x{x^llg^l"pc"o cnkp^lmw}**Rubus idaeus*+0

D^ln "Rqvm"[3d.[<]440X04225-^l]3e.[<]50/380XK04227.^{70/4; 0XK042270} "gtpqw{/X^lRqk"}16.[<]30/470XK042290^lRqngf^pm [20][<]40/470XK042260^lVkej^a" ^lmc^lRR"}52.[<]360/520XK042260^lW^lM{ugm{"}53.[<]350XK0/90XK042280

*Pamphilius lethierryi**Mqpqy."3: :9+

Tq|-^l gp ."cng"rq o tp "x|^aep "ftwj|p^a o "lgp|"qlgfkp n ej^ang| 0^lNctx {"ug"x{x^llg^l"pc^llcxqtw^mngpw}**Acer pseudoplatanus*+0

Lgfnqx "f n^lRT":[<]380XK0/80XK042270

*Pamphilius sylvaticus**Nkppcgwu."397: +

Xgn o k^tq|-^l gp "c"rq o tp "jqlp "ukn^xkmqnp^lftwj⁰Nctx {"ug"x{x^llg^l"pc^t|p ej^ankuvpcv ej^af gxp^aej}**Carpinus* ur r0, *Populus tremula*, *Salix caprea*, *Prunus* ur r0. *Sorbus* ur r0, *Padus* ur r0, *Crataegus* ur r0+0

Lgfnqx "f n^lRT":[<]380XK0/80XK042270^lRqngf^pm]42.[<]80X0/40XK042260

*Pamphilius vafer**Nkppcgwu."3989+

Xgn o k^tq|-^l gp "c"rq o tp "jqlp "ftwj⁰Nctx {"ug"x{x^llg^l"pc"qn-kⁿgrmcx²**Alnus glutinosa*+0

D^ln "Rqvm"[3e.[<]3; 0X0/70XK042270^lO cn^aUvtcpc^lRT"}34.[<]320/480XK042250

Ctikfcg

Aprosthem a fusicorne *Vjq o uqp."3: 93+

Xgn o kⁿqm^anp^l"c"qlgfkp ng^lug^x{um {vw^le^l"ftwj⁰Nctx {"ug"x{x^llg^l"pc"xlmx^lej}**Vicia* ur r0+0

Tc-gnkp^{k-v} "Lk|gtm {"PRT"}45c.[<]320/520X042250

Arge ciliaris *Nkppcgwu."3989+

J {itq^lnp^lftwj^a"x^a|cp "pc"o qm cfp^lnqwm {0^lNctx {"ug"x{x^llg^l"pc"vwf^lgdp^le^lej}**Filipendula ulmaria*, *F. vulgaris*+0

Dwmqxe^{RT}]4d.[<]320/480XK042250^lO cn^aUvtcpc^lRT"}34.[<]4; 0X0/480XK042250^lTc^lurgpcc^l]44c.[<]530X042260^lTc-g/nkpk^{k-v} "Lk|gt {"PRT"}46.[<]390X0/70XK042250^lT{d^lnqw m {"RT"}48.[<]4; 0X0/480XK042250^lU o tm]49c.[<]40/430XK042280^lW^lM{ugm {"}53.[<]40/430XK042280

*Arge cyanocrocea**H%tuvgt."3993+
X-wfg"tq|-fl gp "c"jqlp "ftwj0"Nctx{"ug"x{xflgl"pc"quvtfllkpe"ej"**Rubus*ur r0+0"
W"M{ugm{"J53_<"40/420XK042280

*Arge dimidiata**Hcnn2p."3:2:+
Xgnok"nqm^np" c"x|^ep "j{i tqLnp"ftwj"x^|cp "pc"rqfo^a gp2"d g|kp{0"Nctx{"ug"x{xflgl"pc" d fl^aj"**Betula*ur r0+."jncxp "pc"d flg"r kv2"**Betula pubescens*+0
W"M{ugm{"J31}<"350XK0/90XK042280

*Arge fuscipes**Hcnn2p."3:2:+
Tq|-fl gp ."cng"pgjqlp "ftwj0"Nctx{"ug"x{xflgl"pc" xtd^aj"**Salix*ur r0+"c" d fl^aj"**Betula*ur r0+0
Jctvc"J7_<"340X042280

*Arge gracilicornis**Mnwi."3:36+
X-wfg"tq|-fl gp "c"jqlp "uknxkmp"ftwj0"Nctx{"ug"x{xflgl"pc"o cnkp^mw"**Rubus idaeus*+0
Jqtp"Rgtvqvkqeg"J8c_<"360X0/360XK042290"Ogcpft{"Uo f^RT"}J35c_<"530X0/40XK042270"Rqngfp^m"J42_<"360/520XK042260"qne x^t{d^p^m"J4_<"30/360XK042240"W"M{ugm{"J53_<"40XK0/90XK042280"

*Arge metallica**Mnwi."3:56+ U<"XW
Xgnok"nqm^np" c"x|^ep "j{i tqLnp"ftwj"x^|cp "pc"rqfo^a gp2"d g|qx^2"rqtvuv{0"Nctx{"ug"x{xflgl"pc" d fl^aj"**Betula*ur r0+0
Tc-gnkp-v "Lk|gtm{"PRT"}J45d_<"420XK0/70XK042250

*Arge nigripes**Tgv|kwu."39:5+
Nqm^np" c"rqo tp "x|^ep "ftwj0"Nctx{"ug"x{xflgl"pc"lcjqfp^mw"**Fragaria*ur r0+"c"t fl^ej"
**Rosa*ur r0+0
Dwmqxe"RT"}J4d_<"490X042250

*Arge pullata**\cfcej."3:7;+ U<"EN
Xgnok"nqm^np" c"x|^ep "ftwj0"Nctx{"ug"x{xflgl"pc" d fl^aj"**Betula*ur r0+0
Dwmqxe"RT"}J4d_<"4;0X0/320XK042250

*Arge ustulata**Nkppcgwu."397:+
X-wfg"tq|-fl gp "c"jqlp "ftwj0"Nctx{"ug"x{xflgl"pc" d fl^aj"**Betula*ur r0+."xtd^aj"**Salix*ur r0+0
c"jnq|fl^ej"**Crataegus*ur r0+0
gtpqwu{/X"Rqk"J6_<"360X0/360XK042290."30/470XK042290"Ocn^Uvtcpe"RT"}J34_<"380/4;0X042250"Qnf kejqxum^ugfnq"
[18]<"3;0XK0/50XK042250" Tc-gnkp-v "Lk|gtm{"PRT"}J45c_<"320/520XK042250" Tc-gnkp-v "Lk|gt{"PRT"}J46_<"4;0X0/320XK042250"Vkej^a " fl mc"RR"}J52_<"40/470XK04226."360/520XK042260"W"M{ugm{"J53_<"350XK0/90XK042280"

Fkr tkqpkfcg

*Gilpinia abieticola**Fcnc/Vqttg."3:;6+
Tq|-fl gp ."cng"pgjqlp "ftwj0"Nctx{"ug"x{xflgl"pc" u o tmw"**Picea excelsa*+." r flngflkvquvp "
pc"dqtxkek"**Pinus*ur r0+0
Dwmqxe"RT"}J4d_<"4;0X0/320XK042250" T{d^flqwm{"RT"}J48_<"480XK0/;0XK042250"

*Gilpinia frutetorum**Hcdtkekwu."39;5+

X-wfg"tq|-¶ gp "c"jqlp "ftwj0"Nctx{"ug"x{x¶lg¶"pc"dqtqxkek"**Pinus* urr0+0

Ocn"Uvtcpc"RT"J34_<450XKK0/70XKK042250

*Gilpinia polytoma**Jctvki."3:56+

X-wfg"tq|-¶ gp "c"jqlp "ftwj."xg"uotmqx ej"oqpqmwnvwt"ej" cuvq"x"rqrwnc p¶ej"itcfce¶ej0" Nctx{"ug"x{x¶lg¶"pc"uotmw"**Picea* urr0+."r k"r gopqf¶gp¶| r uqdw¶¶"nqm"np¶"jqnqf¶t{0

gtp"jqt¶c"RT"J5_<80X0/470XK042260"Ocn"Uvtcpc"RT"J34_<380/4;0X042250"Ogcpft{"Uo f2"RT"J35c_<60/450 KZ042270"Te-gn¶pk-v "Lk|gt{"PRT"J46_<520KX0/480XK042250"Uo tm"J49c_<330X0/40XK042280"rk "m"J4;_<390X0/440XK0 42250"

*Gilpinia variegata**Jctvki."3:56+

Nqm"np¶"c"fqv¶k"x|"aep "ftwj0"Nctx{"ug"x{x¶lg¶"pc"dqtqxkek"ngup¶"**Pinus sylvestris*+."x"Lk|gtum ej" jqt"ej"pc"mng k"**Pinus mugo*+0

Te-gn¶pk-v "Lk|gt{"PRT"J46_<480XK0/;0XKK042250

Vgvpj tgf¶pkf cg

Aglaostigma aucupariae *Mnwi."3:39+

X-wfg"tq|-¶ gp "lctp¶"ftwj."x"Lk|gtum ej"jqt"ej"xg"x-gej"rqnqj"ej0"Nctx{"ug"x{x¶lg¶"pc"ux¶| gn¶ej"**Galium* urr0+0

D¶n "Rqv¶m"J3e_<50X0/50XK042270"Dwmq¶xge"RT"J4c_<470KX0/380X042250"Te-gn¶pk-v "Lk|gtm{"PRT"J45c_<80X042250" Tgf¶k¶eg"J47_<50/3;0X042270"W"¶M{ugm{"J53_<330X0/40XK042280"

*Aglaostigma discolor**Mnwi."3:39+""

U<XW

Oqp¶v"pp¶"ftwj"x"¶cp "pc"uvkpp2"dw kp{0"Nctx{"ug"x{x¶lg¶"pc"t |p ej"jx |fpk¶eqxv ej"**Peta- sites* urr0, *Tussilago* urr0, *Cirsium* urr0+0

Dwmq¶xge"RT"J4d_<40/430XK042280

Aglaostigma fulvipes *Ue¶qr¶qnk."3985+

X-wfg"tq|-¶ gp "ftwj."x"Lk|gtum ej"jqt"ej"xg"x-gej"rqnqj"ej0"Nctx{"ug"x{x¶lg¶"pc"ux¶|gn¶ej" **Galium* urr0+0

D¶n "Rqv¶m"J3d_<440X04225-¶J3e_<50/3;0X042270"Dwmq¶xge"RT"J4d_<390X0/480XK042250"Ogcpft{"Uo f2"RT"J35c_<60/3;0X042270"Op¶-gn¶"J37_<460X042250"¶Q¶f ke j qxum2"ugf¶nq"J3;_<390X0/50XK042250"Te-gn¶pk-v "Lk|gt{"PRT"J46_<320/480XK042250"¶Tgf¶k¶eg"J47_<470X042270"Uo tm"J49c_<430XK0/350XKK042280"W"¶M{ugm{"J53_<40XK0/350XKK042280"

Allantus calceatus *Mnwi."3:3:+

J { itq¶¶np¶"ftwj"tq|-¶ gp "xg"x{--¶ej"rqnqj"ej."x"Lk|gtum ej"jqt"ej"¶c"pc"Ht fncp¶vumw"xg"x-gej" rqnqj"ej"pc"og|q¶¶np¶"ej"¶c"xnjm ej"nqwm"ej0"Nctx{"ug"x{x¶lg¶"pc"v¶w¶f¶g¶d¶¶mw"**Filipendula* urr0+0

D¶n "Rqv¶m"J3e_<50/3;0X04227."380XK0/70XKK042270"Ocn"Uvtcpc"RT"J34_<380/4;0X04225."450XKK0/70XKK042250" Ogcpft{"Uo f2"RT"J35d_<360X0/360XK042290"Te-gn¶pk-v "Lk|gtm{"PRT"J45c_<340X042250"¶¶q¶e x"t{d¶¶m"J4;_<390X0/70XK042240

*Allantus truncatus**Mnwi."3:3:+

Ftwj"og|q¶¶np¶"ej"¶c¶f¶xnjm ej"nwm"tq|-¶ gp "xg"x-gej"rqnqj"ej0"Nctx{"ug"x{x¶lg¶"pc"mtxcxek" vqvgpw"**Ucpi wkuqtdc*"q¶¶Lekpcnku+0

Dwmqxe"RT"]4c_<530X04225- [2b]<390/530X042250" Ocn^a"Uvtpep"RT"]34_<80/380X04225."4;0X0/320X04225."450XKK0/390XKK042250" Pqx^a"nqwmc"RT"]38_<390X0/70X042240" Tc-gnkp-k-v "Lk|gt{"PRT"]46_<4;0X0/480X04225-70XKK0/340XKK042250" T{d^"nqw m{"RT"]48_<390X0/480X04225.";0/450XKK042250"

Amauronematus amplius"Mqpqy."3:;7

Tq|f| gp "xg"x-gej"rqnqj^ajej0"Lgfgp"|pgl cup l-f|ej"ftwj "rknvcm."fQur nek"ug"qdlgxwI"lklf" x"d g|pw"rq"tq|v^v"up jw0"Nctx{"ug"x{x|gl|pc"d ||^ej"*Betula urr0+0

T{d^"nqw m{"RT"]48_<70/390X042250

Amauronematus fasciatus"Mqpqy."3:;9

X-wfg"tq|f| gp ."cng"pgjqlp "j {itqLnp"ftwj0"Nctx{"ug"x{x|gl|pc"xtD "I|x ^*Salix caprea+0

Ocn^a"Uvtpep"RT"]34_<80/380X042250

Amauronematus hartigi"Ucctkpgp."3;72"

E\#

Uwd o qpv^pp"cf|"o qpv^pp"j {itqLnp"ftwj0"Rtxqp^ng|"rtq" T."mtq o "Lk|gtum ej"jqt"pcng|gp" uqw cup "k"pc"lkp ej"o f|uvgej"*Qtnkem^2"jqt{"figng|p^2"jqt{"PR" gum^2"m^x ectumq+0"Rtxcf rq/ fqdP "-ktqeg"tq|f| gp ."cng"x|^ep "ftwj"wpkmcI^e"fqwf"rq|qtpqukv0"Nctx{"ug"x{x|gl|pc"xtD "w-cv^2"*Salix aurita+0

Ocn^a"Uvtpep"RT"]34_<80/380X042250

Amauronematus histrio"*Ugtxknng."3:45+

X-wfg"tq|f| gp "c"jqlp "ftwj0"Nctx{"ug"x{x|gl|pc"-ktqnkuv ej"xtD^ej"*Salix caprea, S. aurita, S. cinerea+0

Ocn^a"Uvtpep"RT"]34_<80/380X042250"Vkej^a^ "f mc"RR"]52_<80X0/40X042260"

Amauronematus krausi"Vcgit" ("Dncpm."3:;:"

X-wfg"tq|f| gp "c"jqlp "ftwj0"R xqfp"ÀfcIg"*Dgpg-"3:;:+|gl"pgurt^xp "x|vcjwI"m"Amauronematus puniceus"*Ejtkuv."39;3+0"Nctx{"ug"x{x|gl|pc"qukm^ajej"*Populus tremula+0

Vkej^a^ "f mc"RR"]52_<80X0/40X042260

Amauronematus longiserra"*Vjq o uqp."3:84+

X|jngfg o "m" cup^2"fqd "x um{xvw^*fwdgp"ó"|c ^vgm"mx vpc+"o^ng"rq|qtqxcP ."cng"xg"x|f-|ej" rqnqj^ajej"fqvkv"tq|f| gp "c"rq o tp "jqlp "ftwj0"Nctx{"ug"x{x|gl|pc"-ktqnkuv ej"xtD^ej"*Salix aurita, S. cinerea" c" S. caprea+0

Ocn^a"Uvtpep"RT"]34_<80/380X042250"

Amauronematus mimus Uej okfv."3:;9

Pgljqlp l-f"ftwj|"mq o rngzpf|jqvczqpw"Amauronematus fallax"cwew0."tq|f ngp^2jq"Uej okfvgo" *3:;9+^fq"p mqnkmc"ftwj 0"Dgpg-"*3:;:+^wx^a f"vqpvq"ftwj|" T"lcmq"Amauronematus fallax" cwew0"Mtq o "Lk|gtum ej"jqt"|lk-v p"x"Qtnkem ej" c"figng|p ej"jqt^ajej" c"pc"Uqmgnqxumw0"Nctx{"ug"x{x|gl|pc"-ktqnkuv ej"xtD^ej"*Salix aurita, S. cinerea+0"

Ocn^a"Uvtpep"RT"]34_<80/4;0X042250"

Amauronematus ranini"Nkpf s xkuv."3 ; 82"

E \ #

Ftwj "fquwf" |p^a o "lgp" |g"Umcpfkp^axkg*Hkpumq."™x²fumq+*Vcgit"gv"cn0"4228+0"Rtxqp^ang|"rtq" T."fcn-¶"fquwf"pgrwdnkmqxcp²"tgegvp¶"p^ang|{"rcej^a|gl¶"|"g"figng|p ej"jqt."D¶n ej"Mctrcv."gum²j q"mtcuw" c"Rqncd¶"Nctx{"ug"x{x¶lgl¶"pc"qukm^aej"**Populus tremula*+0

Ocn^a"Uvtcpc"RT"J34_<80/380X042250"

Amauronematus sagmarius"Mqpyy."3 : ; 7"

E \ #

Jqncmvmkem "ftwj."x"Gxtqr" |p^a o "lgp" |p mqnkmc" o^ang"nqmcnk"x"™cmqwumw."™x ectumw."pc"Dtkvum ej"quvtqxgej" c"x"™wumw*Vcgit"gv"cn0"4228+0"Rtxqp^ang|"rtq" T."fcn-¶"fquwf"pgrwdnkmqxcp²"tgegvp¶"p^ang|{"rcej^a|gl¶"|"Qtnkem ej"jqt" c"D¶n ej"Mctrcv0"Nctx{"ug"x{x¶lgl¶"pc"xtd^aej"**Salix urr*+0

Ocn^a"Uvtcpc"RT"J34_<80/380X042250"

Amauronematus stenogaster"*H34tuvgt."3 : 76+ "

E \ #

Uej okfv³ ; ; 9+qff nkn"vgpvq"ftwj"qf"r xqfp¶"jq"mq o rnzp¶"jq"vczqpw"*Amauronematus fallax* cwew" Xgn ok"nqm^anp¶"c"x|"ep "ftwj0"fikxp ok"tquvnpkpc ok"luqw" jncfmqnkuv²"xtd{"**Salix repens* c"*S. fragilis*+0"Rtxqp^ang|"rtq" T."mtqo "Lk|gtum ej"jqt"|"l-k-v"puqw cup "k"x"qm¶"Rtcj{0"

Vkej^a" ¶ mc"RR"J52_<80X0/40XK042260"

Amauronematus tunicatus"* \ cf fcej."3 : : 5+ "

Xgn ok"nqm^anp¶"c"pgjqlp "ftwj0"Nctx{"ug"x{x¶lgl¶"pc"-ktqnkv ej"xtd^aej"**Salix aurita*, *S. atrocinerea*+0

Ocn^a"Uvtcpc"RT"J34_<380/4 ; 0X042250"

Amauronematus viduatus"* \ gvwgtuvfv."3 : 5 : + "

X-wfg"tq| -¶ gp "c"jqlp "ftwj0"Nctx{"ug"x{x¶lgl¶"pc"t |p ej"ftw|¶ej"xtd"**Salix urr*+0

Ocn^a"Uvtcpc"RT"J34_<80/380X042250"

Amauronematus vittatus"*Ugtxkmg."3 : 45+ "

X-wfg"tq| -¶ gp "c"jqlp "ftwj0"Nctx{"ug"x{x¶lgl¶"pc"t |p ej"ftw|¶ej"xtd"**Salix urr*+0

Ocn^a"Uvtcpc"RT"J34_<80/380X042250"Vkej^a" ¶ mc"RR"J52_<80X0/40XK042260"

Ametastegia albipes *Vjq ouqp."3 : 93+ "

Nqm^anp¶"c"rqo tp "x|"ep "j { itqLnp¶"ftwj0"fikxp^a"tquvnpkpc"pgp¶" |p^a o^a0

Tc-gnkpk-v "Lk|gtm{"PRT"J45c_<370XK042250"

Ametastegia carpini *Jctvki."3 : 59+ "

Xg"x-gej"rqnj^aej"tq| -¶ gp "c"rqo tp "jqlp "ftwj0"Nctx{"ug"x{x¶lgl¶"pc"mcmquvgej"**Geranium urr*+0

Dwmqxe"RT"J4d_<390/530X042250" Ocn^a"Uvtcpc"RT"J34_<4 ; 0X0/320XK04225."450XK0/70XK042250" Tgl fieg"J47_<4 : 0XK0/380XK042270"

Ametastegia equiseti *Hcnp²."3 : 2 : + "

X-wfg"tq| -¶ gp "c"jqlp "ftwj"pc"uvkpp ej"cxnj ¶ej"uvcpqk-v¶ej0"Nctx{"ug"x{x¶lgl¶"pc"t |p ej"p¶|m ej"d{nkp^aej"**Rumex urr*0, *Polygonum urr*0"cl0+0"

Dwmqxe"RT"J4c_<530X04225=" [2b]<390/530X042250" Ocn^"Uvtepc"RT"J34_<4; 0X0/320XK04225."480XK0/;0XKK04225." 450XKK0/70XKK042250" Opl-gm"J37_<460X042250" Pqx^"hqmc"RT"J38_<390X0/70XK04224."390/4; 0XK042240" Qnf kejqxum^2" ugfnq"J3: <390X0/50XK042250" Rqgfpfm"J42_<360/520XK042260" Tc-gnkp-k-v "Lk|gtm{"PRT"J45c_<420XK0/70XKK042250" T{d^"hqw m{"RT"J48_<4; 0X0/320XK04225="mqe x^t{d^"fm"J4: <390X0/70XK042240"mk^ a"m"J4; <390X0/50XK042250"Vkej^a" f mc"RR"J52_<40/470XK042260"

Ametastegia glabrata *Hcm^2p."3:2:+

X-wfg"tq|-f| gp "c"jqlp "ftwj0"Rqn{h^a ip^"nctx{"ug"x{x|lg|f"pc"t |p ej"p^"m ej"d{nkp^ej"*r g/ fgx-f|o "Rumex ur r0" c Polygonum "ur r0+0

Ocn^"Uvtepc"RT"J34_<430XKK0/30XKK042250" Ogc pft{"U o f^2"RT"J35d_<360XK0/30XKK042290" Opl-gm"J37_<460X042250" Tc-gnkp-k-v "Lk|gtm{"PRT"J45c_<390XK042250"

Ametastegia pallipes *Urkpqnc."3:2:+

X-wfg"tq|-f| gp "c"rqo tp "jqlp "ftwj0"Rqn{h^a ip^"nctx{"ug"x{x|lg|f"pc"t |p ej"p^"m ej" d{nkp^ej0

Dwmqxe"RT"J4c_<530X042250" Ocn^"Uvtepc"RT"J34_<390/450X042250" Pqx^"hqmc"RT"J38_<390X0/70XK042240" Qnf k/ ejqxum^2" ugfnq"J3: <370XKK0/50XKK042250" Tc-gnkp-k-v "Lk|gtm{"PRT"J45c_<90/420XKK042250" T{d^"hqw m{"RT"J48_< 320/480XK042250"mqe x^t{d^"fm"J4: <390X0/70XK04224."30/360XKK042240"mk^ a"m"J4; <60/390X04225."520X0/440XK0 42250"

Ametastegia tenera *Hcm^2p."3:2:+

X-wfg"tq|-f| gp "c"jqlp "ftwj0"Nctx{"ug"x{x|lg|f"pc"- qx^e^ej"*Rumex ur r0+0

Dfn "Rqvm"J3d_<440X042250" Dwmqxe"RT"J4d_<390/530X042250" gtpqwu{/X"Rqmk"J6_<360X0/360XK042290" Ocn^"Uvtepc" RT"J34_<380X0/320XK04225."490XKK0/80KZ042250" Pqx^"hqmc"RT"J38_<520KX0/390X04224."70/390XK042240" Tc-gnkp-k-v " Lk|gt{"PRT"J46_<4; 0X0/320XK042250"mqe x^t{d^"fm"J4: <390X0/70XK042240"Vkej^a" f mc"RR"J52_<80X0/40XK042260"

Aneugmenus coronatus *Mnw i."3:3:+"

U<XW

Nqm^np^c"pgjqlp "ftwj"uvkpp ej"ngu 0" J ncxp^"flkxpqw"tquvnpqw"lg"rcrtcvmc"uc o keg"*Athyrium Enkz/hgokpc+0

Nwfx^mqx"rqf"U o tmg o"J33_<420XK042280

Aneugmenus padi *Nkppcgwu."3983+

X-wfg"tq|-f| gp "c"jqlp "ftwj0"Nctx{"ug"x{x|lg|f"pc"j cukxeg"qtnk *Pteridium aquilinum+0"

mqe x^t{d^"fm"J4: <: 0XK042240)

Anoplonyx apicalis *Dtkuejmg."3: :5+

Dqtgq o qpv^pp^"ftwj."xg"x{x--^ej"rqnj^a ej"nqm^np^c"pgjqlp 0"Nctx{"ug"x{x|lg|f"pc" o qf {pw" *Larix ur r0+0

W^M{ugum{"J53_<330X0/40XK042280

Anoplonyx destructor "Dgpuqp."3;74"

E \ #

Gwtqukd um "ftwj."xg"uv gfp^"Gxtqr "wx^a f p"|"P o gemc."Tcmqwumc" c"Oc ctumc"*Vcgitg"gy" cn0"4228+0"Rtxqp^ng|"rtq" T."x|jngfgo"m"rtcx f r qf qdp^2|"a o p "u"xgnok"r qf qdp o "ftwjgo" *Anoplonyx ovatus* *cf fcej."3: :5+pgd{f"n"fqwf"wx^a f p0"Mtqo "Lk|gtm ej"jqt^d{f"n"uq w cup " r qvxt|gp^k"|"fcn-^ej"nqmcnk"x" T^*PR" gum^2"m x ectumq."E J M Q" D^"n^2" Mctr cv{"E J M Q" figng|p^2" jqt{."Uqmqnqxum^a"r^a pgx."E J M Q" gum "mtcu+0" Pc|^a mncf "fqwf"|f umcp ej"fcv^h|g"r gfrqm^a fcv." flg"v g p v q"ftwj."x^a |cp "x xqlg o"pc" o qf {p^*Larix ur r0+."dwfg"x" T"|pc p "tq|-f| gp0"

U M{ugum{"J53_<330X0/40XK042280

Anoplonyx ovatus * \ c f f e j . " 3 : : 5 +

Nqma npfl "c" pgjqlp "dqtgq o qpw ppfl" ftwj 0 "Nctx { "ug"x { xflglfl" pc" o qf flpw" * Larix ur r 0 + 0

W" M { u g m m { "] 5 3 _ < " 3 3 0 X 0 / 4 0 X K 0 4 2 2 8 0

Athalia bicolor U g t x k n g . " 3 : 3 5

Nqma npfl . " pc " d k v q r g e j " u " q r v k o " a n p f l o k " r q f o " p m c o k " x g n o k " j q l p " g w t { g m p f l " f t w j " x { u m { v w l f e f l " u g " l c m " p c " u w e j e j . " v c m " k " x n j m e j " u w c p q x k - v f e j 0 " f i k x p " a " t q u v n k p c " c " n c t x " a n p f l " x x q l " p g l u q w " | p " a " o 2 0

Dfln "Rqvqm"]3e_<"40XK04227="]3e_<"3; 0X0/50XK042270"Ogcpftf{"Uo f^2"RT"]35e_<"3; 0/530X042270"Te-gnlpk-v "Lk|gtm{"PRT"]45d_<"390/4; 0X0/42250"Te-gnlpk-v "Lk|gt{"PRT"]46_<"4; 0X0/320XK042250" T { d f l n q w m { " R T "] 4 8 _ < ; 0 / 4 5 0 X K K 0 4 2 2 5 0 " W " M { u g m m { "] 5 3 _ < " 4 0 / 4 2 0 X K 0 4 2 2 8 0 "

Athalia circularis * M n w i . " 3 : 3 7 +

X-wfg"tq|-fl gp "c" jqlp "ftwj 0" Rqn { h " i p f l " n c t x { " u g " x { x f l g l f l " p c " t | p e j " p f l | m e j " d { n k p " a e j 0

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Athalia cordata U g t x k n g . " 3 : 4 5

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Athalia liberta * M n w i . " 3 : 3 7 +

X-wfg"tq|-fl gp "c" jqlp "ftwj 0" Nctx { "ug"x { xflglfl" pc" t | p e j " d t w m x q x v e j " * D t c u k e c e g c g + 0

Dfln "Rqvqm"]3e_<"50XK0/60KZ042270"Dwmqxe"RT"]4c_<"4; 0X0/320XK042250" gtpqwu{/X"Rqn"]6_<"470XK0/390XK042290"Jqtpf"Rgtvqvieg"]8c_<"360X0/360XK04229."30/470XK042290"Lgf n q x " f n " R T "] : _ < 3 ; 0 / 5 2 0 X 0 4 2 2 7 0 " N k d g t g e / X g u g e "] 3 2 _ < 9 0 X K K 0 4 2 2 6 0 " O c n ^ a " U v t c p e " R T "] 3 4 _ < 3 8 0 / 4 ; 0 X 0 4 2 2 5 . ; 0 / 4 5 0 X K K 0 4 2 2 5 0 " q n e x " t { d p f m "] 4 : _ < 3 0 / 3 6 0 X K K 0 4 2 2 4 0 " W " M { u g m m { "] 3 1] _ < 4 2 0 X K 0 / 3 5 0 X K K 0 4 2 2 8 0 "

Athalia lugens (M n w i . " 3 : 3 7 +

X-wfg"tq|-fl gp "c" jqlp " j { i t q l n p f l " f t w j 0 " N c t x { " u g " x { x f l g l f l " p c " x n j m q o k n p e j " d t w m x q x v e j " * D t c u k e c e g c g + 0

Dfln "Rqvqm"]3e_<"3; 0X0/3; 0XK042270"Dwmqxe"RT"]4c_<"4; 0X0/320XK04225=" [2b]_<"390/530X042250" gtpqwu{/X"Rqn"]4]_<"360X0/360XK04229."30XK0/390XK042290"Jqtpf"Rgtvqvieg"]8c_<"360X0/30XK04229."470XK0/390XK042290"Nkdgtge/Xguge"]32_<"90XK042260"Ocn^a"Uvtcpe"RT"]34_<"4; 0X0/320XK04225."480XK0/70XK042250"Ogcpftf{"Uo f^2"RT"]35e_<"3; 0X0/440XK042270"Opf-gm"]37_<"460X042250"Te-gnlpk-v "Lk|gtm{"PRT"]45c_<"520XK042250"Te-gnlpk-v "Lk|gt{"PRT"]24]_<"340/420XK042250" T g l f k e g "] 4 7 _ < 4 ; 0 X K K 0 / 3 8 0 X K K 0 4 2 2 7 0 " T { d f l n q w m { " R T "] 4 8 _ < 4 ; 0 X 0 / 3 2 0 X K 0 4 2 2 5 0

Athalia rosae *Nkppcgwu."397: "+

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x gvp "lg|kej"mwnvxct 0

Dfn "Rqvqm"]3e_<380XK0/60KZ042270"Dwmqxe"RT"]4d_<";0XKK0/70XKK042250" gtpqwu{/X"Rqk"]6_<360X0/470XKK042290"
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Athalia scutellariae"Eco gtqp."3: :2""

U<"EN

Xgnok"nqm"np|c"fqvkv"x|a"ep "j{|itqLnp|ftwj0"Nctx{"ug"x{x|lg|f"pc"-k-a"mw"*Scutellaria ur r0+0
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Uo f"2"RT"]35d_<360X0/30XKK042290" W"M{ugnm"}]53_<350XKK0/90XKK042280"

Birka cinereipes"*Mnwi."3:38+

X-wfg|tq|-f| gp "c"jqlp "ftwj0"Nctx{"ug"x{x|lg|f"pc"rqop pm"ej"*Myosotis ur r0+0

Dfn "Rqvqm"]3d_<440X04225="]3e_<380XK0/3;0XKK042270"Dwmqxe"RT"]4c_<70/380X04225."530X04225="]2b]<390X0/320
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390XK04225."370XK04225."520XK042250" Tc-gnkp-k- "Lk|gt {"PRT"]46_<4:0XK0/320XKK042250" T{d|nqw m{"RT"]48_<
480XK0/390X04225."450XKK0/70XKK042250" que x"t{dpfm"]4: _<390X0/70XK042240" Viej" a" f mc"RR"]52_<80X0/40XK04226."
470XK0/360XKK042260"

Blennocampa phyllocolpa"Xkvcucctk" ("Xkmdgti."3: :7

X-wfg|tq|-f| gp "c"jqlp "ftwj0"Nctx{"fkl|f"x" a"ug p "|cxkpwv ej"nkuvgej"t fl|"*Rosa ur r0+0

Opf-gm [15]<460X042250

Dtcej{vjqrut}cxgpu"*Mnwi."3:38+

Xgnok"nqm"np|c"rqo tp "x|a"ep "j{|itqLnp|ftwj"x{um{vw|f|e|f"ug"x"dn|}|mqvkv"xqf0"Nctx {"ug"x{x|f|
lg|f"pc"quv kefej"*Carex ur r0+"c"|dnqejcpw"*Glyceria ur r0+0

Ogcpft {"Uo f"2"RT [13a]<3;0/530X042270" Viej" a" f mc"RR"]52_<0XK042260"

Brachythops wuestneii *Mqpqy."3: :7+

Rwdnkmqxcp"2"Àfclg<Tc-gnkp-k- "Lk|gt{"PRT"*Ocegm"422: +0

V{|thqLnp|ftwj."x" T|lk-v p"tgegpvp "rqw|g"x"Lk|gtum ej"jqtaej"x"PRT" Tc-gnkp-k- "Lk|gt {"
|rtxqp"ng|w"*Ocegm"422: +0"Nctx {"ug"x{x|lg|f"pc"quv kek"rnupvcvqrnf"2"*Carex lasiocarpa+0

Tc-gnkp-k- "Lk|gt {"PRT"]46_<70/90XK042250"

Caliroa annulipes"*Mnwi."3:38+

Xgnok"tq|-f| gp "c"jqlp "ftwj0"Rqn{h"i p|f|nctx {"ug"x{x|lg|f"pc"t |p ej"nkuvpcv ej"f gxkp"aej0

Tc-gnkp-k- "Lk|gt {"PRT"]46_<4:0XK0/320XKK042250" T{d|f|nqw m{"RT"]48_<4:0X0/480XK042250" W"M{ugnm{""]53_<
420XK0/350XKK042280"

Caliroa varipes *Mnwi."3:38+

Xgnok"tq|-f| gp "c"jqlp "ftwj0"Rqn{h"i p|f|nctx {"ug"x{x|lg|f"pc"t |p ej"nkuvpcv ej"f gxkp"aej0

Jqtp|Rgtvqvkeg"]8c_<360X0/360XK042290" Ocn"Uvtcpc"RT"]34_<30/390XKK042240"

Cladius brullei Fc jndq o."3:57

Xgnok'tq|-f gp "c"jqlp "ngupf"ftwj0Nctx{"ug"x{xflglf"pc"quvtfklpfe"ej"**Rubus* ur r0+0
gtpqwu{/X"Rqk"}6_<360Xk0/30Xk04229."390Xk0/90KZ042290" Jqtpf"Rqwdp "]9d_<3; 0Xk042280" Ocn^"Uvtcpc"RT"
[12]<30/390Xk042240"Oipmqxeg"]36_<440Xk042280" Tglfkeg"]47_<470X042270"mqe x't{d'p'f'm]4:_<390X0/70Xk042240"
W"M{ugm{"]53_<40Xk0/90Xk042280"

*Cladius pallipes**Ugtxknng."3:45+

Xgnok'tq|-f gp "c"jqlp "ftwj0Nctx{"ug"x{xflglf"pc"t |p ej"nkuvpcv ej"f gxkp^ej."r fgfx-f"o"
t flqkv ej"**Rosaceae*+0
Jctve"]7_<340X042280" Ogepft{"Uo f^2"RT"]35c_<530X0/440Xk042270"

*Cladius pectinicornis** I gqhtqf."39:7+

Xgnok'tq|-f gp "c"jqlp "ftwj0Nctx{"ug"x{xflglf"pc"t |p ej"t flqkv ej."jnexp "pc"t flfe"j"**Rosa*
ur r0+"c"lcjqfpmw"**Fragaria* ur r0+0
Dwmqxe"RT"]4c_<70/380X042250" Jqtpf"Rgtvqkeg"]8d_<30Xk042270" Ocn^"Uvtcpc"RT"]34_<380X0/320Xk04225.""
;0Xk0/70Xk042250" Pqx^"nqwmc"RT"]38_<320Xk0/30Xk042240" Qnf kejqxum^2"ugfnq"]3:_<370Xk0/50Xk042250"
mqe x't{d'p'f'm]4:_<390X0/70Xk042240"

*Claremontia alternipes**Mnwi."3:38+

Xgnok'tq|-f gp "c"jqlp "ftwj0Nctx{"ug"x{xflglf"pc"o cnkpfmw"**Rubus idaeus*+0
Dfn "Rqvqm"]3e_<3; 0X0/50Xk04227."380Xk0/70Xk042270"Dwmqxe"RT"]4c_<70/380X04225=" [2b]<70/380X042250" Ocn^"
Uvtcpc"RT"]34_<3; 0/390X04224."440X0/40X042250" Ogepft{"Uo f^2"RT"]35c_<3; 0/530X042270"Rqngf'p'f'm"]42_<80X0/40
Xk042260" Tc-gnkpk-v "Lk|gtm{"PRT"]45c_<430X0/80X042250" Tglfkeg"]47_<50/3; 0X042270"mqe x't{d'p'f'm]4:_<390X0/70
Xk042240"mrk "m"]4;_<430X0/390X042250" W"M{ugm{"]53_<470X0/420Xk042280"

*Claremontia brevicornis**Dtkuejmg."3: :5+

Tq|-f gp "c"jqlp "ftwj0Nctx{"ug"x{xflglf"pc"t |p ej"t flqkv ej"**Fragaria* ur r0, *Sanguisorba*
ur r0, *Rubus* ur r0, *Potentilla* ur r0+0
Dwmqxe"RT"]4c_<470X042250" Ocn^"Uvtcpc"RT"]34_<380/4; 0X042250"mqe x't{d'p'f'm]4:_<390X0/70Xk042240"

*Claremontia tenuicornis**Mnwi."3:38+

Tq|-f gp "c"jqlp "j{i tqLnpf"ftwj" uwd o qpv^ppfe"j" c" o qpv^ppfe"j" rqnqj0" Nctx{"ug"x{xflglf"
pc"v'wflgdpfe"j"**Filipendula* ur r.+0
Dwmqxe"RT"]4c_<470X04225."530X04225=" [2b]<490X042250" Ocn^"Uvtcpc"RT"]34_<390/450X042240" Tc-gnkpk-v "
Lk|gtm{"PRT"]45c_<340X042250" Tglfkeg"]47_<50/3; 0X04227."470X042270"mqe x't{d'p'f'm]4:_<390X0/70Xk042240" Vkej^"
f mc"RR"]52_<80X0/40Xk042260" W"M{ugm{"]53_<40/420Xk042280"

Claremontia waldheimi * Iko ogtvjcn."3:69+

Tq|-f gp "c"jqlp "ftwj0Nctx{"ug"x{xflglf"pc"mwmmfe"ej"**Geum* ur r0+0
T{d'fnqw m{"RT"]48_<480Xk0/70X042250"

Craesus alniastri *Uejcthgpdti."3:27+

Tq|-f gp "c"jqlp "j{i tqLnpf"ftwj0Nctx{"ug"x{xflglf"pc"qn-fe"j"**Alnus* ur r0+0
T{d'fnqw m{"RT"]48_<4; 0X0/320Xk042250"mqe x't{d'p'f'm]4:_<390X0/70Xk042240"

*Craesus latipes**Xknctgv."3:54+

Tq|-f gp ".cng"fqvk"x|^ep "ftwj0Nctx{"ug"x{xflglf"pc"d fl^ej"**Betula* ur r0+."x"jqta^ej" k"pc"
qn-k"|gnp^2"**Alnus viridis*+0
Jqtpf"Rgtvqkeg"]8c_<360X0/360Xk042290"

*Craesus septentrionalis**Nkppcgwu."397: +

X-wfg"tq|-f gp "c"jqlp "ftwj"Rqurqnp "fklf"e"nctx{"ug"x{xflglf"pc"d fl"aej"}*Betula urr0+
c"qn-fej"}*Alnus urr0+0

gtpqwu{/X"Rqnk"}6_<390XKKK0/90KZ042290"Te-gnkp-v "Lk|gtm{"PRT"}45d_<70/4:0XKK042270"Te-gnkp-v "Lk|gt{"PRT"
[24]_<390/4:0X042250"qne x"t{dpfm"}4: <390X0/70XK042240"

*Dineura testaceipes**Mnwi."3: 38+

Nqm^np"l"r qo tp "x"ae"ftwj"0Nctx{"ug"x{xflglf"pc"}jnqjw}*Crataegus urr0+"c"lg^adw}*Sorbus
urr0+0

Ocn^"Uvtepc"RT"}34_<380/4:0X042250

Dolerus aeneus"Jctvki."3: 59

Tmktqeg"tq|-f gp "c"jqlp "ftwj."x"Lk|gtum ej"jqt^aej"k"pc"qvqx gp ej"uvcpxk-v"fej"}*jqtum^2"
nqwm{"rcugm{"o vkp{+}0Nctx{"ug"x{xflglf"pc"}t |p ej"vtcx^aej"}*pcr 0"Hordeum vulgare, Poa
pratensis cl0+0

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Ogcpft{"U o f^2"RT"}35c_<60/3:0X042270"Opf-gm"}37_<460X042250"Pqx^"hqwmc"RT"}38_<520X0/390X04224."390/4:0
XK042240"Rqngfpfm"}42_<80X0/360XKK042260"Te-gnkp-v "Lk|gtm{"PRT"}45c_<470X04225."4:0XK04225."530X04225=" [23b]_<3:0X0/50XK042270"Te-gnkp-v "Lk|gt{"PRT"}46_<520X0/390X04225."4:0X0/320XKK042250" T{d^"hqw m{"RT"}48_<
70/4:0X04225."320/480XK04225.";0/450XKK042250"U o tm"}49c_<40XK0/350XKK04228=" [27b]_<420XK0/350XKK042280"qne x"
t{dpfm"}4: <390X0/70XK042240"Vkej^" fl"mc"RR"}52_<80X0/40XK042260" W" M{ugm{"}53_<330X0/40XK04228."420XK0/350
XKK042280"

Dolerus asper"\cffcej."3: 7;

Tq|-f gp "c"r qo tp "jqlp "ftwj"x^a|cp "pc"o qm cf{"c"tc-gnkp-v "jncxp "x{--fej"}rqnj0"Nctx{"
ug"x{xflglf"pc"}t |p ej"quv kefej"}*Carex urr0+0

Dfn "Rqvqm"}3e_<50/3:0X042270"Dwmqxe"RT"}4d_<70/490X042250"Ocn^"Uvtepc"RT"}34_<80/380X042250"Te-gnkp-v "
Lk|gtm{"PRT"}45c_<530X042250"Te-gnkp-v "Lk|gt{"PRT"}46_<70X0/320XK042250" T{d^"hqw m{"RT"}48_<70/4:0X042250"
Vkej^" fl"mc"RR"}52_<80X0/360XKK042260" W" M{ugm{"}53_<330X0/40XK042280"

*Dolerus bimaculatus**I gqhhtq{"39: 7+

Nqm^np"l"r pgjqlp "ftwj"x^a|cp "pc"o qm cf{"c"xnm^2"nqwm{0"Nctx{"ug"x{xflglf"pc"}r gunk m^aej"
*Equisetum urr0+0

Dfn "Rqvqm"}3d_<440X042250" gtpqwu{/X"Rqnk"}6_<360X0/360XK042290"Ocn^"Uvtepc"RT"}34_<380X042250"Vkej^"
fl"mc"RR"}52_<40XK042260"

Dolerus brevicornis \cffcej."3: 7;

Rwdnkmqxcp^2"Áfcfg<Pqx^"nqwmc"RT."Te-gnkp-v "Lk|gt{"PRT"}*Ocegml^422: +0

Nqm^np"l"r pgjqlp ."x" T"-ktqeg"tq|-f gp ".cng"fqpgf^xpc"r gjn^flf"gp "xnmq o kmp "ftwj."r xqfp "
|cjtpqxc" "fq"ftwjxq^2"jq"mq o rngzw"Dolerus asper cwev0" \ "Lk|gtum ej"jqt^wxgfgp"x"t^a"oek"
rwdnkmqxc"p ej"rtxqp^ang| "rtq" T"*Ocegml^422: +0"

Dfn "Rqvqm"}3e_<50/3:0X042270" gtp^"jqtc"RT"}5_<80X0/40XK042260"

Dolerus cothurnatus"Ugtxkng."3: 45

Nqm^np"l"r pgjqlp "ftwj"o qm cf "c"xnm ej"nwm0"Nctx{"ug"x{xflglf"pc"}r gunk m^aej"}*Equisetum
urr0+0

Jqtp"Rqwdp "j9d_<3;0Xk042280"Ocn"Uvtcpc"RT"j34_<80Xk04225."380/4;0Xk04225."40Xk042260"Tc-gnkp-v "Lk|gtm{"PRT"j45c_<390Xk042250"

Dolerus eversmanni"MktD{.":3::4

Tq|-f gp "c"rqo tp "jqlp "ftwj"0Nctx{"ug"x{x|gl|"pc"r gunk m^aej"*Equisetum urr0+0

Dfn "Rqvm"j3e_<50/3;0Xk042270"Dwmqxe"RT"j4d_<390/530Xk04225."90Xk04225."490Xk042250"Ocn"Uvtcpc"RT"j34_<80Xk0/320Xk04225."40Xk042260"Vkej" " f mc"RR"j52_<80Xk0/470Xk04226." :0Xk04226."360/520Xk042260"

Dolerus ferrugatus"Ugtxknng."3:45

Nqm^anp|"c"pgjqlp "ftwj"o qm cf "c"xnjm ej "nwm"0Nctx{"ug"x{x|gl|"pc"u|vkp^aej"*Juncus urr0+0

Dfn "Rqvm"j3d_<440Xk042250"W"m{ugm{"j53_<40/420Xk042280"

Dolerus fumosus"Uvgr jgpu."3:57

Tq|-f gp "c"jqlp "ftwj"og|qLnp|ej "nwm"0Nctx{"ug"x{x|gl|"pc"t |p ej"ftw|f|ej"vtcx"*Poaceae+0" \ "T"x"okpwnquk"wx^af p*I tgiqt" ("Dc c"3;64+"lcmq"v o cx^a"hqt o c"ftwjw"Dolerus sanguinicornis" *Mnwi."3:3:+."Nceqwtvg o"*3; ; : + "rqx -gp"pc"uc o quvcv "ftwj"0

Tgl fkeg"j47_<3;0Xk042270" \ ncv"Qng-pleg"j54d_<50Xk042260

Dolerus genucinctus"\ cffcej."3:7; ""

U"EN

Rwdnkmqcep²"ÀfcIg<U o tm." \ vtcegp "rqvm"*?"W"m{ugm{+*"Ocegm"422:+0

Nqm^anp|"."rqo tp "x|^aep "ftwj"rqf o^a gp ej"uot kp"0Nctx{"ug"x{x|gl|"pc"r gunk m^aej"*Equisetum urr0+0"X -g"wxgfgp "Àfcl"d{n"rwdnkmqx^ap"lcmq"rtxqp^ang|"rtq" gej{"*Ocegm"422:+0

Dwmqxe"RT"j4c_<530Xk042250"Qnf kejqxum²"ugfnq"j3: <460Xk042250"U o tm"j49e_<420Xk0/520Xk042280" \ ncv"Qng-/pleg"j54c_<50Xk042260

Dolerus germanicus"*Hcdtkekwu."3997+

X-wfg"tq|-f gp "c"jqlp "ftwj"og|qLnp|ej "nwm"0Nctx{"ug"x{x|gl|"pc"r gunk m^aej"*Equisetum urr0+0

Dfn "Rqvm"j3d_<440Xk042250"Ocn"Uvtcpc"RT"j34_<80Xk042250

Dolerus gessneri"*Cpft²."3: :2+

Nqm^anp|"c"pgjqlp "ftwj"x^a|cp "pc"xnjm^angup|"uvcpxk-v "x{|ej"rqjqj"0Nctx{"ug"x{x|gl|"pc"r gunk m^aej"*Equisetum urr0+0

Dfn "Rqvm"j3d_<440Xk042250"j3e_<3;0Xk0/50Xk042270"Dwmqxe"RT"j4c_<530Xk042250-[2b]<70/530Xk042250"Ocn"Uvtcpc"RT"j34_<80Xk0/320Xk042250"Tc-gnkp-v "Lk|gtm{"PRT"j45c_<390Xk042250"Vkej" " f mc"RR"j52_<80Xk0/470Xk042260"W"m{ugm{"j53_<420Xk0/350Xk042280"

Dolerus gonager"*Hcdtkekwu."3993+

X-wfg"tq|-f gp "c"jqlp "ftwj"og|qLnp|ej "nwm"0Nctx{"ug"x{x|gl|"pc"t |p ej"ftw|f|ej"nw p|ej"vtcx"*Poaceae+0

Dfn "Rqvm"j3e_<50/3;0Xk042270"Dwmqxe"RT"j4c_<530Xk042250-[2b]<70/380Xk04225."90Xk042250"Lgfnqx "f r"RT"j8]<3;0Xk0/370Xk042270"Opf-gm"j37_<460Xk042250"Pqx"nqwmc"RT"j38_<520Xk0/390Xk042240"Rqgfpfm"j42_<80Xk0/40Xk042260"Tc-gnkp-v "Lk|gtm{"PRT"j45c_<30Xk042250"Tc-gnkp-v "Lk|gt{"PRT"j46_<390/4;0Xk042250"t{d|"nqw m{"RT"j48_<70/390Xk042250"U o tm"j49c_<330Xk0/350Xk042280"Vkej" " f mc"RR"j52_<80Xk0/40Xk042260"W"m{ugm{"j53_<330Xk0/40Xk042280"

*Dolerus haematodes**Uejtcpm."39:3+

Nqm^anp^f"pgjqlp "ftwj"og|qLnp^fej"nwm0"Nctx{"ug"x{x^flg^f"pc"t |p ej"ftw|^fej"vtcx}*Poaceae+0

Dfn "Rqvqm"]3e_<50/3;0X042270" gtpqwu{/X"Rqk"]6_<360X0/360X042290" Opf-gm"]37_<460X042250"

Dolerus liogaster liogaster Vjqouqp."3:93

Nqm^anp^f"c"pgjqlp "ftwj"og|qLnp^fej"nwm0"Nctx{"ug"x{x^flg^f"pc"t |p ej"nw p^fej"vtcx^aej" *Poaceae+0

Dfn "Rqvqm"]3d_<440X042250"Dwmqxe"RT"]4d_<490X04225."70/380X042250"Lgf^fnx "f n"RT"]:_<3;0/520X042270" Ocn^a" Uvtcpc"RT"]34_<80/380X042250" Opf-gm"]37_<460X042250" Pqx^a"nqwmc"RT"]38_<520X0/70X042240" Qnf kejqxum²" ugfnq"]3:_<460X042250"Rqgfp^fm"]42_<80X0/40X042260" Tc-gnkp^k-v "Lk|gtm{"PRT"]45c_<430X0/80X04225."470X04225." 30X042250" Tc-gnkp^k-v "Lk|gt{"PRT"]46_<520X0/480X042250" T{d^fhqw m{"RT"]48_<70/4;0X04225."480X0/;0X042250" U o tm"]49c_<40/430X042280"mqe x^t{dp^fm"]4:_<390X0/70X042240"

Dolerus liogaster schneideri Mkcgt."3: ; :

Rqw|g"rwdnkmqxcp²"Àfc|g<Lk|gtmc/Rtcnqwmc"*?Dwmqxe"RT+."Tc-gnkp^k-v "Lk|gt{"PRT"*Ocegm"422: +0

Dqtgqcnrpp^f"r^fq^fftwj"tq|-^fgp "xg"Umc^fpkp^axkk^c"ugxgtqx ejq^fp^f"Gxtqr ="xg"uv g^fp^f"Gxtqr " rqr^tx²"|lk-v p^x"uwfgyum ej"r^qj^qej²"Mt^ankem "Up flp^fm."Qtnkem²"jqt{"Lk|gtum²"jqt{+0}\Lk|gt/ um ej"jqt"wxgfgp"x^t^aoek"rwdnkmqxc^p ej"rtxqp^ang| "rtq" T"*Ocegm"422: +0"

Dolerus madidus *Mnwi."3:3: +

Nqm^anp^f"c"pgjqlp "ftwj"oqm cf "c"rqfo^a gp ej"nwm0"Nctx{"ug"x{x^flg^f"pc"u^fvkp^aej"*Juncus urr0+0

Dfn "Rqvqm"]3d_<440X042250"Dwmqxe"RT"]4d_<70/380X042250" Ocn^a"Uvtcpc"RT"]34_<80X042250" Pqx^a"nqwmc"RT" [16]<390X0/70X042240" Qnf kejqxum²"ugfnq"]3:_<460X042250" Tc-gnkp^k-v "Lk|gt{"PRT"]46_<520X0/4;0X042250" T{d^fhqw m{"RT"]48_<70/390X04225."4;0X0/320X042250"mqe x^t{dp^fm"]4:_<390X0/70X042240"

Dolerus niger *Nkppcgwu."3989+

X-wfg^ftq|-^fgp "c"rqo tp "jqlp "ftwj"og|qLnp^fej"nwm0"Nctx{"ug"x{x^flg^f"pc"t |p ej"nw p^fej"vtcx^aej"*Poaceae+0

Dwmqxe"RT"]4d_<90X042250" Ocn^a"Uvtcpc"RT"]34_<80/380X04225."4;0X0/320X042250" Qnf kejqxum²"ugfnq"]3:_<460X0 42250" Teurgp^{xc}"]44c_<530X042260" Tc-gnkp^k-v "Lk|gt{"PRT"]46_<520X0/390X042250" U o tm"]49c_<40/430X042280" W"M{ugm{"]53_<330X0/420X042280"

*Dolerus nigratus**OÄnngt."3998+

X-wfg^ftq|-^fgp "c"jqlp "ftwj"0"Nctx{"ug"x{x^flg^f"pc"t |p ej"ftw|^fej"nw p^fej"vtcx" *Poaceae+0

Dfn "Rqvqm"]3d_<440X04225="]3e_<50/3;0X042270" Ocn^a"Uvtcpc"RT"]34_<80/4;0X042250" Opf-gm"]37_<460X042250" Qnf kejqxum²"ugfnq"]3:_<460X042250" Tc-gnkp^k-v "Lk|gtm{"PRT"]45c_<470X04225."80X04225."530X042250" Tc-gnkp^k-v " Lk|gt{"PRT"]46_<390X0/70X042250"mqe x^t{dp^fm"]4:_<390X0/70X042240" Vkej^a" " mc"RR"]52_<80X0/40X042260" W"M{ugm{"]53_<330X0/40X042280"

Dolerus nitens"\cffcej."3:7;

Tq|-^fgp "c"rqo tp "jqlp "ftwj."x^pkfl-^fej"rqnj^aej^au" cupqw^fq^dq^wx um{vw"rq^ftq|v^av^f"up jw" x^dg|pw^c"fdpw="x"jqt^aej"lg^fngvqx^a"rgtkq^fc"rquwpwvc^fq^fwdpc^fff^fmx vpc0"Nctx{"ug"x{x^flg^f"pc"t |p ej"nw p^fej"vtcx^aej"*Poaceae+0

Dfn "Rqvqm"]3d_<440X042250"Dwmqxe"RT"]4d_<70/380X042250" Pqx^a"nqwmc"RT"]38_<520X0/390X042240"

Dolerus picipes *Mnwi."3:3:+

X-wfg"tq|-fl gp "c" jqlp "ftwj" og|qhknpfej"nwm0"Nctx{"ug"x{xflglfl"pc"t |p ej"vtcx^aej"
*Poaceae+0

Dfn "Rqvqm"]3d_<440X042250"Dwmqxe"RT"]4d_<490X042250"Ocn^a"Uvtcpc"RT"]34_<380/4;0X042250"Opf-gm"]37_<460X042250

*Dolerus sanguinicollis**Mnwi."3:3:+

Tq|-fl gp "c"rqo tp "jqlp "ftwj0"Nctx{"ug"x{xflglfl"pc"t |p ej"vtcx^aej"*Poaceae+0

Opf-gm"]37_<460X042250"Qnf kejqx"x"J^aIfej"]39_<4:0X042280"Te-gnkp-v "Lk|gtm{"PRT"]45c_<80X042250"que x"
t{dpfm"]4: <390X0/70XK042240"

*Dolerus stygius*H34tvtgt."3:82

Xgnok"nqma"npfl"c"rqo tp "x|^aep "ftwj0"Nctx^anpfl"x xqlpgpfl|p^ao 0

Dwmqxe"RT"]4d_<70/380X042250"Ocn^a"Uvtcpc"RT"]34_<0/390X04224."80X042250"Pqx^a"nqwmc"RT"]38_<520X0/390
X042240"que x"t{dpfm"]4: <390X0/70XK042240"

*Dolerus uliginosus**Mnwi."3:3:+

U<XW

Xgnok"nqma"npfl"c"rqo tp "x|^aep "ftwj" oqm cf "c"tc-gnkp- 0"Nctx{"ug"x{xflglfl"pc"u|vkp^aej"
*Juncus urr0+0

Ocn^a"Uvtcpc"RT"]34_<40X042260"Opf-gm"]37_<460X042250"Te-gnkp-v "Lk|gt{"PRT"]46_<4;0X0/320XK042250

Dolerus varispinus"Jctvki."3:59

Tq|-fl gp "c" jqlp "ftwj" og|qLnpfej"nwm0"Dgp-="*3; ; ;+"lgl"wxgfn|" T"lcmq"D. brevitarsis
Jctvki."3:590"Nctx{"ug"x{xflglfl"pc"t |p ej"vtcx^aej"*Poaceae+0

Dwmqxe"RT"]4d_<490X042250" gtpqwu{/X"Rqnk"]6_<360X0/30XK042290"Rqngfpfm"]42_<80X0/470XK042260"Uo tm"
[27a]<330X0/40XK042280"W"m{ugm{"]53_<330X0/420XK042280"

*Dolerus vestigialis**Mnwi."3:3:+

Tq|-fl gp "c" jqlp "ftwj0"Nctx{"ug"x{xflglfl"pc"r gunk m^aej"*Equisetum urr0+0

Dfn "Rqvqm"]3d_<440X042250"]3e_<50/3;0X042270"Dwmqxe"RT"]4c_<530X042250="[2b]<390/530X04225."90XK042250"
gtpqwu{/X"Rqnk"]6_<360X0/360XK042290"Lgfngx "f n"RT"]:<3;0/520X042270"Ocn^a"Uvtcpc"RT"]34_<80/4;0X04225."
80X042250"Ogepft{"Uo f²"RT"]35c_<60/530X042270"Opf-gm"]37_<460X042250"Te-gnkp-v "Lk|gt{"PRT"]46_<
520X0/390X042250"Tglfkeg"]47_<470X042270"Vkej^a" f mc"RR"]52_<80X0/40X042260"W"m{ugm{"]53_<330X0/350XK04228."
4:0XK042280"\ncv^a"Qng-pkeg"]54c_<50XK042260"

*Dulophanes morio**Hcdtkek.wu."39:3+

Tq|-fl gp "c" jqlp "ftwj" og|qLnpfej"nwm0"Rqn{h^aipfl"nctx{"ug"x{xflglfl"pc"t |p ej"pfl|m ej"
d{nkp^aej"c"ogejqtuqvej0

Dfn "Rqvqm"]3d_<440X042250" gtpqwu{/X"Rqnk"]6_<360X0/360XK042290"Ocn^a"Uvtcpc"RT"]34_<480XK0/0XK042250"
Ogepft{"Uo f²"RT"]35c_<3;0/530X042270"Opf-gm"]37_<460X042250"Te-gnkp-v "Lk|gtm{"PRT"]45d_<380XK0/70
XK04227."450XK042270"Te-gnkp-v "Lk|gt{"PRT"]46_<320/480XK042250"t{dfl"nqw m{"RT"]48_<480XK0/0XK042250"
\ncv^a"Qng-pkeg"]54d_<50XK042260"

*Gnkpqtc"lxcgqnc**I o gnkp."39;2+""

U<XW

Xgnok"nqma"npfl"c"x|^aep "ftwj0"Nctx{"ug"x{xflglfl"pc"t |p ej"dtwmxqxkv ej"*Brassicaceae+0

Ogepft{"Uo f²"RT"]35c_<3;0/530X042270

Elinora koehleri *Mnwi."3:39+"" U<"XW
Nqm^anp^l"c"pgjqlp "ftwj"uwd o qpv^app^lej"cf" o qpv^app^lej"rqnqj0"Nctx{"ug"x{x^lgl^l"pc" g k-pkek"
**Cardamine* ur r0+0
Dwmqxe"RT"J4c_<480XK0/;0XKK04225=" [2b]<450XKK0/70XKK042250" Ocn^a"Uvtcpc"RT"J34_<70/430XKK04224." 80/4; 0
KZ042240

Empria alector"Dgpuqp."3;5: "" U<"EN
Xgn o k^ahqm^anp^l"c"x|^aep "ftwj0"Nctx{"ug"x{x^lgl^l"pc"vwflgdp^lmw"lkn o qx² o "*Filipendula ulma-*
ria+0"
Tglfkeg"J47_<470X042270

*Empria immersa**Mnwi."3:3:+
Rwdnkqxc²"ÀfcIgc"U o tm." \ vtcegp "rqvm/M{ugmc"*?W"M{ugm{+}*Oceg^m"422: +0
Tq| -^l gp ."cng"pgjqlp "ftwj0"Nctx{"ug"x{x^lgl^l"pc"-ktqnkv ej"xtde^aej"**Salix caprea*, *S. aurita*,
S. cinerea+0" \ g"uvvfqxc²j q"À|g o^l"d{n"rwdnkqxa^ap"rtxqp^ang| "rtq" gej {"*Oceg^m"422: +0
U o tm"J46e_<40/520XK042280"Vkej^a" f mc"RR"J52_<80X0/40XK042260"

*Empria liturata** I o gnkp."39;2+
Tq| -^l gp "c"jqlp "ftwj0"Nctx{"ug"x{x^lgl^l"pc"mwml^lmw"**Geum* ur r0+"c"lcj qf p^lmw"**Fragaria* ur r0+0
Dn "Rqvqm"J3e_<50/3; 0X042270"Dwmqxe"RT"J4d_<390/530X04225."490X04225."90XK042250" Ocn^a"Uvtcpc"RT"J34_<80/4; 0
X04225."390XK0/70XKK042250"Qnf kej qx^a"J^aIfej"J39_<4: 0X042280"Te-gnkp^k-v "Lk|gt{"PRT"J46_<4; 0X0/320XK042250"
T{d^l"nqw m{"RT"J48_<4; 0X0/320XK042250"rk^am"J4;_<430X0/60X042250"Vkej^a" f mc"RR"J52_<80X0/40XK042260"

*Empria longicornis**Vjq o uqp."3:93+
Xgn o k^ahqm^anp^l"c"rq o tp "x|^aep "ftwj"uwd o qpv^app^lej"cf" o qpv^app^lej"rqnqj0"Nctx{"ug"x{x^lgl^l"
pc" o cnkp^lmw"**Rubus idaeus*+0
Dwmqxe"RT"J4d_<90XK04225."490XK04225."430XK042280"Jctve"J7_<340X042280"Qnf kej qx^a"J^aIfej"J39_<4: 0X042280"
Tglfkeg"J47_<470X042270"W"M{ugm{"J53_<40/420XK042280" \ nev^a Qng-pkeg"J54d_<50XK042260

*Empria pallimacula**Ugtxknng."3:45+
Tq| -^l gp "c"rq o tp "jqlp "ftwj" o qm cfp^lej"nwm0"Nctx{"ug"x{x^lgl^l"pc"vwflgdp^lmw"lkn o qx² o "
**Filipendula ulmaria*+0
Dwmqxe"RT"J4d_<390/530X042250" Ocn^a"Uvtcpc"RT"J34_<80X0/320XK04225."40XK042260"Qnf kej qxum²"ugfnq"J3: _<
460X042250"Te-gnkp^k-v "Lk|gtm{"PRT"J45c_<340X04225."390XK042250" Tglfkeg"J47_<470X042270"mqe x^t{dp^lm"J4: _<
390X0/70XK042240"

*Empria pumila**Mppqy."3: ;8+
Xgn o k^ahqm^anp^l"c"rq o tp "x|^aep "ftwj" o qm cfp^lej"nwm0"Nctx{"ug"x{x^lgl^l"pc"vwflgdp^lmw"lkn o q/
x² o "*Filipendula ulmaria*+0
Ocn^a"Uvtcpc"RT"J34_<380X0/480XK042250" T{d^l"nqw m{"RT"J48_<70/390X042250"mqe x^t{dp^lm"J4: _<390X0/70
XK042240

*Empria seipunctata**Ugtxknng."3:45+
Tq| -^l gp "c"rq o tp "jqlp "ftwj" o qm cf "c"rqfo^a gp ej"nwm0"Nctx{"ug"x{x^lgl^l"pc"mwml^lmw"
rqvq p^lo"**Geum rivale*+0
Dwmqxe"RT"J4c_<530X042250"Ogcpft{"U o f²"RT"J35c_<60/530X042270"Te-gnkp^k-v "Lk|gt{"PRT"J46_<520X0/390
X04225."4; 0X0/320XK042250" Tglfkeg"J47_<50/3; 0X042270"Vkej^a" f mc"RR"J52_<80X0/40XK042260"W"M{ugm{"J53_<
330X0/40XK042280"

*Empria tridens**Mqppy."3: :8+

Tq|-f gp "c" jqlp "ftwj0"Nctx{"ug"x{x|glf"pc"quvtwflkpe|ej"**Rubus* ur r0+"c"mwmmf|mw"**Geum* ur r0+0

Dwmqxe"RT"j4c_<530X042250" Jctvc"j7_<340X042280" Ocn"Uvtcpc"RT"j34_<380/4;0X04225."40X042260" Tglfkeg" [25]<470X04227."50/3;0X042270"W" M{ugmm{"j53_<330X0/420X042280"

Eopsis beaumonti"Dgquqp."3;7;

Xgn o k"nqma"npf" c" x|a"ep "dqtgq o qpv"ppf" ftwj."xg"uv gfpf"Gxtqr "lgp"x"jqt"aj="x" T" |p" a" o" fquwf"lgp" |"Mtmqpp-0"Nctx{" o kpwlf"x"nqf{ j"aj" tfgupc"jcf|j q"mq gpg"**Polygonum bistorta*+
*Dgpg-"kp"nkvv0+0

Ocn"Uvtcpc"RT"j34_<380/4;0X042250"

Eriocampa ovata *Nkppcgwu."397: +

Tq|-f gp "cng"pgjqlp "ftwj0"Nctx{"ug"x{x|glf"pc"qn-f"ej"**Alnus* ur r0+0

Dfn "Rqvqm"j3e_<3;0X0/50X04227."380X0/60KZ042270"Dwmqxe"RT"j4d_<320/480X042250"Ogcpft{"Uo f"RT"j35c_<3;0/530X042270"Olpmqxleg"j36_<440X042280"Opf-gm"j37_<390X042250"W" M{ugmm{"j53_<420X0/90X042280"

*Eriocampa umbratica**Mnwi."3: 38+

Nqma"npf" c"pgjqlp "ftwj0"Nctx{"ug"x{x|glf"pc"qn-f"ej"**Alnus* ur r0+0

Dwmqxe"RT"j4d_<320/480X042250"Ogcpft{"Uo f"RT"j35c_<530X0/440X04227=" [13b]<360X0/360X042290"

*Eutomostethus ephippium**Rcp|gt."39; :+

X-wfg"tq|-f gp "c" jqlp "nw p|"ftwj0"Nctx{"ug"x{x|glf"pc"t |p ej"vtcx"aj"**Poaceae*+0

Dfn "Rqvqm"j3d_<440X04225="j3e_<3;0X0/70X04227."4;0X0/3;0X042270"Dwmqxe"RT"j4c_<530X042250" Jqtpf" Rgtvqnvqeg"j8c_<360X0/360X042290"Ocn"Uvtcpc"RT"j34_<4;0X0/480X042250"Ogcpft{"Uo f"RT"j35d_<360X0/360X042290"Opf-gm"j37_<460X042250" Tglfkeg"j47_<470X042270"mqe x"t{dpf|m"j4_<390X0/70X042240"Vkej" a" f mc"RR" [30]<80X0/470X042260"W" M{ugmm{"j53_<40/420X042280"

*Eutomostethus luteiventris**Mnwi."3: 38+

X-wfg"tq|-f gp "c" jqlp "ftwj" oqm cf "c"rqfo" a gp ej"nwm0"Nctx{" o kpwlf"xg"uv"2dng"ej"u|v|kp"
**Juncus*"ur r0+0

Dfn "Rqvqm"j3d_<440X04225="j3e_<380X0/70X042270"Dwmqxe"RT"j4c_<530X04225=" [2b]<390/530X04225."320/480X04225."430X042280" Jqtpf"Rqvwdp" j9d_<3;0X042280"Ocn"Uvtcpc"RT"j34_<0X0/320X04225."40X042260"Ogcpft{"Uo f"RT"j35c_<60/3;0X042270"Opf-gm"j37_<390X04225."460X042250" Pqx"nqwmc"RT"j38_<390X0/70X042240" Qnf kejqxum"ugfnq"j3_<460X042250" Tc-gnkpk-v "Lk|gtm{"PRT"j45c_<80X04225."390X04225=" [23b]<90X04227."450X042270" Tc-gnkpk-v "Lk|gt {"PRT"j46_<390X0/4;0X042250" T{d"nqwm{"RT"j48_<390X0/320X042250"mqe x"t{dpf|m"j4_<390X0/70X042240"Vkej" a" f mc"RR"j52_<80X0/470X042260"

*Eutomostethus punctatus**Mqppy."3: :9+

Xgn o k"nqma"npf" pc"uvcpqk-v"fej" cng" cuvq" jqlp "ftwj0"Nctx{"ug"x{x|glf"pc"quv ke|ej"**Carex* ur r0+0

Nwfxfmqxr"qf"Uo tmg o"j33_<420X042280"Ogcpft{"Uo f"RT"j35c_<530X0/440X042270"Rqvvgem" a" qdqt c"j43_<440X042280"

Euura atra *Lwtkpg."3: 29+

Tq|-f gp "c" jqlp "ftwj0"Nctx{"ug"x{x|glf" x"ngvqtquvgej" jncfmqnkuv ej" xtd"**Salix fragilis*,
S. alba+0

Ogcpft{"Uo f"RT"j35c_<60/3;0X042270"Vkej" a" f mc"RR"j52_<80X0/470X042260"

*Euura mucronata** Jctvki."3:59+
Tq| -| gp "c"jqlp "ftwj0"Nctx{"okpw1"|"x"rwrgpgej"-ktqnkuv ej"xtd"**Salix caprea*, *S. aurita*+0
Ocn^a"Uvtepc"RT"J34_<"380X0/320XK042250"Ogepft{"Uo f²"RT"J35c_<"60/3;0X042270"Te-gnkp-v "Lk|gtm{"PRT"
[23a]<"80X042250"Vkej^a" | mc"RR"J52_<"80X0/470XK042260

*Fenusa dohrnii**Vkuiejdgkp."3:68+
Tq| -| gp "c"jqlp "xnjmq oknp "ftwj0"Nctx{"okpw1"|"x"nkuvej"qn-|"**Alnus urr0*).
Dfn "Rqvqm"J3e_<"70/4;0XK042270"Te-gnkp-v "Lk|gt{"PRT"J46_<"340/420XK042250"T{dfnqwm{"RT"J48_<"390X0/";0
XK042250

*Jcnkfcokc"chLpku**Hcn²p."3:29+
Tq| -| gp "c"jqlp "ftwj0"Nctx{"ug"x{x|lg|f|"pc"ux|g|gn|ej"**Galium urr0*+0
Jqtpf|Rgtvqmwkeg"J8c_<"30/470XK042290"Ogepft{"Uo f²"RT"J35c_<"60/3;0X042270"=[13b]<"360XK0/30XK042290"Qnf k/
ejqxum²"ugfnq"J3:_<"460X042250

*Harpiphorus lepidus**Mnwi."3:3:+
Nqm^anp|"c"pgjqlp "ftwj0"Nctx{"ug"x{x|lg|f|"pc"fwdgej"**Quercus urr0*+0
Tcurgpexc"J44c_<"530X042260

*Hemichroa australis**Ugtxknng."3:45+
Nqm^anp|"c"pgjqlp "ftwj0"Nctx{"ug"x{x|lg|f|"pc"qn-|"ej"**Alnus urr0*+0
Dfn "Rqvqm"J3e_<"50/380XK042270"Ocn^a"Uvtepc"RT"J34_<"30/390XK042240

*Hemichroa crocea**I gqhhtq{."39:7+
Nqm^anp|"c"pgjqlp "ftwj0"Nctx{"ug"x{x|lg|f|"pc"qn-|"ej"**Alnus urr0*+0
Qnf kejqxum²"ugfnq"J3:_<"80/4;0XK042270"mqe x^t{dpm"J4:_<"390X0/70XK042240"

*Heptamelus ochroleucus**Uvgrjgppu."3:57+
Xgnok^ahqm^anp|"c"x|^aep "ngup|"ftwj"uwd oqpv^app|ej"cf| oqpv^app|ej"rqnj0"Nctx{"okpw1"|"x"nku/
vqx ej"qu^aej"t |p ej"mcrctcfkp0
Lgfnqx "f n"RT":_<"80/4;0XK042270"T{dfnqwm{"RT"J48_<";0/450XK042250"mqe x^t{dpm"J4:_<"530XK042250"

*Heterarthrus leucomela**Mnwi."3:3:+
Xgnok^ahqm^anp|"c"x|^aep "ftwj0"Nctx{"okpw1"|"x"nkuvej"lcxqtw"mngpw"**Acer pseudoplatanus*+0
Dwmqxe"RT"J4d_<"4;0X0/320XK042250

*Heterarthrus vagans**Hcn²p."3:2:+
X-wfg|tq| -| gp "c"jqlp "ftwj0"Nctx{"okpw1"|"x"nkuvej"qn-g"ngrmcx²**Alnus glutinosa*+0
Dfn "Rqvqm"J3e_<"70/4;0XK04227."3;0XK042270/60KZ042270"

Hoplocampa alpina (\ gvygtuvfv."3:5:+
Xgnok^ahqm^anp|"c"x|^aep "ftwj."| T^{wx}^af p|lgp|"p mqnkmc"qlgfkp n ej"p^ang| 0"Nctx{"ug"x{x|lg|f|"pc"
x"rnqfgej"lg^adw"rv c |jq^a**Sorbus aucuparia*+0
Ocn^a"Uvtepc"RT"J34_<"4;0X0/320XK042250"Te-gnkp-v "Lk|gt{"PRT"J46_<"390/4;0X042250"WM{ugmm{"J53_<"40/420
XK042280"

*Hoplocampa crataegi**Mnwi."3:38+

Tq|-f gp "c"jqlp "ftwj0"Nctx{"ug"x{xflglf"x"rnqfgej"j"nqjw"**Crataegus* urr0+)

Dwmqxe"RT"j4d_<4;0X0/320XK042250

Jqrnqecorc"tccx"*Nkppcgwu."3983+

Tq|-f gp ".cng"pgjqlp "ftwj0"Nctx{"ug"x{xflglf"x"rnqfgej"vtpgm"**Prunus spinosa*+)

Dfn "Rqvqm"j3e_<50/3;0X042270

*Hoplocampa minuta**Ejtkuv."39;3+

X-wfg"tq|-f gp ".cng"pgjqlp "ftwj0"Nctx{"ug"x{xflglf"x"rnqfgej"t |p ej"unkxqp"**Prunus* urr0+."
jncxp "vtpgm"**Prunus spinosa*+)

Ocn"Uvtcpc"RT"j34_<490XKXK0/80KZ042240"t{dfl"nqw m{"RT"j48_<70/390X042250"

Macrophya alboannulata"Equvc."3:7;

X-wfg"tq|-f gp "c"jqlp "ftwj0"Nctx{"ug"x{xflglf"pc"dg|w" gtp²o"**Sambucus nigra*+c"dg|w"
j|tq|pcv²o"**S. racemosa*+)

Dfn "Rqvqm"j3e_<50/3;0X042270"t{c-gnlpk-v "Lk|gtm{"PRT"j45c_<520X042250"t{c-gnlpk-v "Lk|gt{"PRT"j46_<4;0X0/320
XK042250"t{glfleg"j47_<470X042270"t{qne x"t{dplm"j4_<390X0/70XK042240"vkej"m" f mc"RR"j52_<40/470XK042260"

Macrophya annulata * I gqhhtq{."39:7+

Tq|-f gp "c"jqlp "ftwj0"Nctx{"ug"x{xflglf"pc"t |p ej"t flqxxv ej"**Rosa* urr0, *Rubus* urr0,
Potentilla urr0, *Fragaria* urr0"cl0+)

Ocn"Uvtcpc"RT"j34_<4;0X0/320XK042250"t{c-gnlpk-v "Lk|gtm{"PRT"j45c_<390XK042250"

*Macrophya duodecimpunctata**Nkppcgwu."397:+

Tq|-f gp "c"jqlp "xnjmqoknp "ftwj0"Nctx{"ug"x{xflglf"pc"quv ke|ej"**Carex* urr0+)

Dfn "Rqvqm"j3d_<440X042250"j3e_<50/380XK042270" gtpqwu{/X"Rqnk"j6_<360X0/360XK042290"Ocn"Uvtcpc"RT"j34_<
4;0X0/320XK042250"480XK0/;0XKX042250"Ogcpft{"Uo f²"RT"j35c_<530X0/440XK042270"Opl-gm"j37_<460X042250"
Qnf kejqxm²"ugfng"j3_<460X042250"t{c-gnlpk-v "Lk|gtm{"PRT"j45c_<390XK042250"t{c-gnlpk-v "Lk|gt{"PRT"j46_<
390X0/480XK042250"t{dfl"nqw m{"RT"j48_<320XK0/450XKX042250"vkej"m" f mc"RR"j52_<40XK0/360XKX042260"WM{ugm{"
[31]<40/420XK042280

*Macrophya montana**Ueqrqnk."3985+

Tq|-f gp "c"jqlp "ngup"ftwj"pkf-|ej"rnqj0"Nctx{"ug"x{xflglf"pc"quvtwflkp|e|ej"**Rubus* urr0+)
gtpqwu{/X"Rqnk"j6_<360X0/360XK042290

*Macrophya ribis**Uejtcpm."39:3+

Tq|-f gp "c"jqlp "ftwj"xxg"x-gej"rnqj^aej0"Nctx{"ug"x{xflglf"pc"dg|gej"**Sambucus nigra*,
S. racemosus, *S. ebulus*+)

WM{ugm{"j53_<420XK0/350XKX042280

*Macrophya sanguinolenta** I o gnkp."39;2+

X-wfg"tq|-f gp "c"jqlp "ftwj0"Nctx{"ug"x{xflglf"pc"tq|tc|kngej"**Veronica* urr0+"c"mqpqrke|ej"
**Galeopsis* urr0+)

Dfn "Rqvqm"j3d_<440X042250"j3e_<50/3;0X042270"Dwmqxe"RT"j4c_<530X042250="[2b]"<390/530X042250"Jqtpf"Rgtvqkveg"
[6a]<360XK0/30XKX042290"Ocn"Uvtcpc"RT"j34_<380X0/480XK042250"Ogcpft{"Uo f²"RT"j35d_<360X0/360XK042290"

Opf-gm]37_<460X042250**Qnf** ke j qxum²ugfnq]3:<460X042250**Tc-gnkp**-v "Lk|gtm{"**PRT**]45c_<390X042250**Tc-g/**
nkpk-v "Lk|gt{"**PRT**]46c_<0/450X042250**T**{d^qnqw m{"**RT**]48c_<480X0/;0X042250^mqne x't{**dp**f]4:<390X0/70
X042240^vke j^a " mc"**RR**]52_<40/470X042260^WM{ugm{"**53**_<40/420X042280

*Metallus pumilus**Mnwi."3:38+

Tq|-] gp "c"jqlp "ftwj0"Nctx{"okpwl^qx"nkuvgej"quvtfklp^fmw"*Rubus caesius*)

Dwmqxe"**RT**]4d_<0/450X042250^mqne x't{**dp**f]4:<390X0/70X042240"

*Monophadnoides rubi**Jcttku."3:67+

Tq|-] gp "c"jqlp "ftwj0"Nctx{"ug"x{x^lgl^f"pc"vflgd^pf^fmw"lkn oqx² o"*Filipendula ulmaria*+)

Ocn^a"**Uvtcpc**"**RT**]34_<80/380X042250**Ogcpft**{"**U**o f²"**RT**]35c_<60/3;0X042270**Qnf** ke j qxum²ugfnq]3:<460X042250"
Tc-gnkp-v "Lk|gtm{"**PRT**]45c_<390/4;0X042250"

*Monophadnus pallescens**I o gnkp."39;2+

Tq|-] gp "c"jqlp "ftwj0"Nctx{"ug"x{x^lgl^f"pc"rt{um{ p^fe^fe j"*Ranunculus urr*0+)

Dfⁿ "Rqvqm"]3d_<440X042250**Dwmqxe**"**RT**]4c_<480X0/380X04225."4;0X0/320X042250**Jqtp**"**Rqwdp** "]9d_<3;0X042280"
Ocn^a"**Uvtcpc**"**RT**]34_<440X0/40X04225."0X0/390X042250"**Tc-gnkp**-v "Lk|gtm{"**PRT**]45c_<470X04225."80X04225."430X0/80X04225."390/4;0X042250"**Tc-gnkp**-v "Lk|gt{"**PRT**]46c_<70/390X042250"**T**{d^qnqw m{"**RT**]48c_<70/4;0X042250"
^mrk^a m]4;_<430X0/60X042250^vke j^a " mc"**RR**]52_<80X0/40X042260^WM{ugm{"**53**_<470X0/40X042280"

Monostegia abdominalis *Hedtkekwu."39; ;+

Tq|-] gp "c"jqlp "xnjmq o kmp "ftwj0"Nctx{"ug"x{x^lgl^f"pc"xtdkp "qdgep²"*Lysimachia vulgaris*+)

Dfⁿ "Rqvqm"]3d_<440X042250"]3e_<70/4;0X042270" gtpqwu{/X"Rqk^k]6_<360X0/360X042290" **Ocn**^a"**Uvtcpc**"**RT**"
[12]_<4;0X0/320X042250" **Ogcpft**{"**U**o f²"**RT**]35c_<530X0/440X04227= [13b]_<360X0/30X042290" **Qnf** ke j qxum²"
ugfnq]3:<460X042250^Uo tm]49c_<350X0/50X042280^vke j^a " mc"**RR**]52_<360/520X042260^WM{ugm{"**53**_<350X0/90X042280"

*Monsoma pulveratum**Tgv|kwu."39:5+

Tq|-] gp ."cng"pgjqlp "ftwj0"Nctx{"ug"x{x^lgl^f"pc"qn-^fe j"*Alnus urr*0+)

Jqtp"**Rgtvqnkeg**]8c_<360X0/360X042290^WM{ugm{"**53**_<330X0/40X042280

*Nematinus fuscipennis**Ugtxknng."3:45+

Tq|-] gp "c"jqlp "ftwj0"Nctx{"ug"x{x^lgl^f"pc"qn-^fe j"*Alnus urr*0+)

Tcurgpexc]44c_<530X042260

*Nematinus luteus**Rcp|gt."3:26+

Tq|-] gp ."cng"rqo tp "x^aep "ftwj."x"okpwnquv^k|co qxcp "u"*Nematinus steini* Dncpm."
3; ; :0"Dgpg-^m3; ; ; +"lgl^mwx^af^l"rqf" oncf-^fo^u{ppp|og o"*Nematinus wiligkiae* Uvqkp."3;480"
Nctx{"ug"x{x^lgl^f"pc"qn-^fe j"*Alnus urr*0+)

Ogcpft{"**U**o f²"**RT**]35c_<530X0/440X042270^mqne x't{**dp**f]4:<390X0/70X042240"

Nematinus steini Dncpm."3; ; :

Tq|-] gp "c"jqlp "ftwj"x"okpwnquv^k|co qxcp "u"*Nematinus luteus*0" Nctx{"ug"x{x^lgl^f"
pc"qn-^fe j"*Alnus urr*0+)

Dfⁿ "Rqvqm"]3e_<50/380X042270" **Qnf** ke j qxum²ugfnq]3:<460X042250

Nematus bergmanni"Fcjndqo."3:57

Jncxp "xpkfl-|ej"rqnj^aej"x-wfg"tq|-| gp "rqn{xqnvkpp}"ftwj⁰Nctx{"ug"x{x|gl|"pc"t |p ej" jncfmqkuv ej"xtd^aej"*Salix urr0+0

gtpqwu{/X"Rqk"}j6_<360Xk0/90KZ042290" Jqtp{"Rgtvqvkqeg"}j8c_<360Xk0/30XkK042290" Ogcpft{"Uo f²RT"}j35d_<360X0/360Xk04229."30/470XkK042290" Okpmqxieg"}j36_<440Xk042280"

Nematus bipartitus"Ugtxknng."3:45

Nqm^anp{"c"pgjqlp "ftwj⁰Nctx{"ug"x{x|gl|"pc"xtd^aej"*Salix urr0+"c"vqrqngqej"*Populus urr0+0

Ogcpft{"Uo f²RT"}j35d_<360X0/470XkK042290

Nematus capito *Mqpqy."3:25+

Xgnok"nqm^anp{"c"pgjqlp "ftwj⁰X xql"nctgx"pgp"}|p^ao 0

Dwmqxe"RT"}j4d_<4;0X0/320Xk042250" Oca"Uvtcpc"RT"}j34_<80/380X042250

Nematus coeruleocarpus"Jctvki."3:59

Nqm^anp{"c"pgjqlp "ftwj⁰Nctx{"ug"x{x|gl|"pc"jncfmqkuv ej"xtd^aej"*Salix pentandra, S. purpurea+0

Ogcpft{"Uo f²RT"}j35d_<360X0/360Xk042290

Nematus dispar \cffcej."3:98

Tq|-| gp ."cng"pgjqlp "ftwj⁰Nctx{"ug"x{x|gl|"pc"d |^aej"*Betula urr0+0

gtpqwu{/X"Rqk"}j6_<360Xk0/30XkK042290" Oca"Uvtcpc"RT"}j34_<4;0X0/320Xk042250"mqe x"t{dpm"}j4_<390X0/70Xk042240

Nematus fagi"\cffcej."3:98

Tq|-| gp ."cng"pgjqlp "ftwj⁰Nctx{"ug"x{x|gl|"pc"dwe|ej"*Fagus urr0+0

Dwmqxe"RT"}j4d_<450Xk0/70XkK042250" Lgfngx "f n"RT"}: <380Xk0/80XkK042270" Rqgfp{m"}j42_<40Xk0/360XkK042260" m"rk "m"}j4;_<530Xk042250" W"m{ugm{"j53_<40/420Xk042280"

Nematus frenalis"Vjqouqp."3:::"

E \ #

Dqtgqo qpv^app{"ftwj" rqrucp " |g"Umcpfkp^axkg." flkl|e" k"xg"uv gfp"} Gxtqr "x" Cnr^aej" c" Mct/rcvgej." |" T" fquwf"pgwx^af p⁰Rtxqp^ang|"rtq" T."mtqo "Lk|gtum ej"jqt"uqw cup"pcng|gp" k"x"Qtnkem ej"jqt^aej⁰"

Oca"Uvtcpc"RT"}j34_<80/380X042250" W"m{ugm{"j53_<330X0/40Xk042280

Nematus fuscomaculatus"H³4tuvgt."3:76

Tq|-| gp ."cng"pgjqlp "ftwj⁰Nctx{"ug"x{x|gl|"pc"qukeg"*Populus tremula+0

mqe x"t{dpm"}j4: <90/370Xk042240

Nematus hypoxanthus"H³4tuvgt."3:76

Tq|-| gp ."cng"pgjqlp "ftwj⁰Nctx{"ug"x{x|gl|"pc"t |p ej"ftw|ej"xtd^a*Salix urr0+0

Oca"Uvtcpc"RT"}j34_<480Xk0/;0XkK042250" Ogcpft{"Uo f²RT"}j35d_<360Xk0/30XkK042290" Okpmqxieg"}j36_<440Xk042280" W"m{ugm{"j53_<420Xk0/90XkK042280

Nematus lucidus"Rcp|gt."3:23

Tq|-| gp "c"jqlp "ftwj."xg|mqw op² o "À|g o"lgp"x"pkf-|ej"rqnj^aej⁰"Nctx{"ug"x{x|lg|l"pc"vtpeg"**Prunus spinosa*+)

J qtp|Rgtvqvieg]8c_<360XK0/30XKK042290

Nematus myosotidis"*Hcdtkewu."3:26+

Tq|-| gp "c"x-wfg"jqlp "ftwj⁰"Nctx{"ug"x{x|lg|l"pc"lvgvgnk"**Trifolium urr0*+}c"jtcejqtwnw p|o"
**Lathyrus pratensis*+)

Dfn "Rqvqm]3e_<50/3;0X04227."380XK0/70XKK04227."4;0XKK0/3;0XKK042270"DwmqxeRT"]4c_<530X042250"Ocn"Uvtepc"RT"]34_<80/380X042250"Opf-gm"]37_<390X04225."460X042250"Te-gnkp-v"lklgt{"PRT"]46_<4:0XK0/320XKK04225."360/4:0XKK042250"Uo tm"]49c_<40/430XK042280"Vkej" a" fl mc"RR"]52_<520XKK0/360XKK042260

Nematus notabilis"*Mqppy."3:25+

Xgn o k"nqm^anp|"c"x|^aep "ftwj⁰"flkxp^a"tquvknpc"pgp|"p^a o^a0

Ocn"Uvtepc"RT"]34_<:0X0/390XK04224."80/4;0X042250

Nematus oligospilus"H³4tuvgt."3:76

Tq|-| gp "c"jqlp "ftwj⁰"Nctx{"ug"x{x|lg|l"pc"xtd^aej"**Salix urr0*+)

Dfn "Rqvqm]3d_<440X04225="]3e_<3;0XKK0/60KZ042270

Nematus poecilonotus"\cf fcej."3:98

Tq|-| gp "c"jqlp "ftwj⁰"Nctx{"ug"x{x|lg|l"pc"d fl^aej"**Betula urr0*+)

Dfn "Rqvqm]3e_<40XK042280"Ocn"Uvtepc"RT"]34_<380X0/320XK042250"

Nematus respondens"H³4tuvgt."3:76"

E \#

Tq|-| gp "c"rqo tp "jqlp "ftwj."xgnok"rqfqdp "*N. oligospilus.*"u"mvgt o"d{n"fqpgf^axpc"
unw qx^ap⁰"Rtxqp^ang|"rtq" T."mtq o"lklgtum ej"jqt"uqw cup"pcng|gp"l"pc"fcn-|ej"nqmcnk^aej"
x" T"*figng|p²"jqt{"Dfn²"Mctr cv{"uv gfp|" gej {+0"Nctx{"ug"x{x|lg|l"pc"xtd^aej"**Salix urr0*+)"

Ogcpft{"Uo f²"RT"]35d_<30/470XKK042290

Nematus vicinus"Ugtxkmg."3:45

Nqm^anp|"c"x|^aep "ftwj."|" T"lgl"Dgpg-"*3; ;+;wx^af"p"rqf" oncf-|o"u{pqp{ ogo "*Nematus crassus* Hcm²p."3:2:0"Nctx{"ug"x{x|lg|l"pc"- qx|e|ej" *Rumex crispus* c"*R. obtusifolius*"

Ocn"Uvtepc"RT"]34_<380/4;0X042250

Nematus viridis"Uvgr jgpu."3:57

Nqm^anp|"c"pgjqlp "ftwj."|" T"*Dgpg-"3; ;+;wx^af"p"rqf" oncf-|o"u{pqp{ ogo "*Nematus prasinus* Jctvki."3:590"Nctx{"ug"x{x|lg|l"pc"d fl^aej"**Betula urr0*+)

Dfn "Rqvqm]3e_<4;0XKK0/3;0XKK042280

Nematus viridissimus"O³4ngt."3: :4

Tq|-| gp "c"jqlp "ftwj"xg"x-gej"rqnj^aej."|" T"*Dgpg-"3; ;+;wx^af"p"rqf" oncf-|o"u{pq/p{ ogo "*Nematus polyspilus* cwev⁰"Nctx{"ug"x{x|lg|l"pc"qn-|ej⁰

Dfn "Rqvqm]3d_<440X04225="]3e_<50/3;0X04227."70XKK0/60KZ042270"Jctve"]17_<340X042280"J qtp|Rgtvqvieg]8c_<360XK0/30XKK042290"Nidgtge/Xguge"]32_<90XKK042260"Ocn"Uvtepc"RT"]34_<30/390XKK042240"Ogcpft{"Uo f²"RT"

[13a]_<3;0X0/440XK042270"Rncx{"J3;_<450XK042280"Teurgpcxc"J44d_<330XK042280"Te-gnkp-k-v "Lk|gtm{"PRT"}J45c_<390XK042250"mqe x"t{"dpfm"}J4:_<390X0/70XK04224."30/360XKKK042240"

Pachynematus annulatus * I k o o g t v j c n . " 3 : 5 6 +

Tq|_<f gp "c"fqvk"jqlp "ftwj."|" T"*Dgpg-"3;:;+"wx^af p"lcmq"*Pachynematus rumicis* Nkp/pcgwu."397:0"Nctx{"ug"x{x|glf}pc"- qx|mw"**Rumex obtusifolius*+0

Dfn "Rqvm"}J3d_<440X04225="J3e_<4;0XKK0/3;0XKKK042270"Opf-gm"}J37_<460X042250"Qnf kej qx"x"J"lfej"}J39_<4;0X042280"Qnf kej qxum^"ugfnq"}J3:_<460X042250"Te-gnkp-k-v "Lk|gtm{"PRT"}J45c_<530X04225."390XK042250"

Pachynematus clitellatus *Ugtxknng."3:45+

Nqm^np|"c"pgjqlp "ftwj."|" T"*Dgpg-"3;:;+"wx^af p"rqf"oncf-|ok"u{ppp{o{"*Pachynematus kirbyi**Fcjndq.o."3:57+c"*P. laevigatus*"\cf fcej."3: :5+0"Nctx{"ug"x{x|glf}pc"t |p ej"vtcx^ej"**Poaceae*+c"quv kefej"**Carex ur r*+0

Ocn^"Uvtcpc"RT"}J34_<4;0X0/320XK042250"Pqx^"nqwmc"RT"}J38_<520X0/70XK042240"Te-gnkp-k-v "Lk|gt{"PRT"}J46c_<390/4:0XK042250"

Pachynematus fallax"*Ugtxknng."3:45+

Tq|_<f gp "c"jqlp "ftwj."|" T"*Dgpg-"3;:;+"wx^af p"lcmq"*Pachynematus clitellatus* cwev0"pge"Ugtxknng."3:45"c"*P. xanthocarpus* * Jctvki."3:62+0"Nctx{"ug"x{x|glf}pc"t |p ej"vtcx^ej"**Poaceae*+0

Opf-gm"}J37_<460X042250"Te-gnkp-k-v "Lk|gtm{"PRT"}J45c_<340X04225."390XK04225.";0XKK042250"U o tm"}J49c_<430XK0/350XK042280"

Pachynematus gehrsi"*Mqppy."3:26+

Xgn ok"nqm^np|"c"x|^ep "ftwj0"X xql"nctgx"pgp|"p^a o 0

Dfn "Rqvm"}J3d_<440X042250"Dwmqxe"RT"}J4d_<390/530X042250"Ocn^"Uvtcpc"RT"}J34_<380/4;0X042250"Opf-gm"}[15]_<460X042250"

Pachynematus imperfectus"*\cf fcej."3:98+

Xgn ok"nqm^np|"c"x|^ep "ftwj0"Nctx{"ug"x{x|glf}pc"o qf |pw"**Larix ur r*+0

Ocn^"Uvtcpc"RT"}J34_<0/390X042240"W"m{ugm{"J53_<330X0/40XK042280"

Pachynematus insignis"* Jctvki."3:62+

Xgn ok"nqm^np|"c"x|^ep "ftwj0"Nctx{"ug"x{x|glf}pc"u o tmw"**Picea ur r*+0

U o tm"}J49c_<40/430XK042280"

Pachynematus lichtwardti"Mqppy."3:25

Xgn ok"nqm^np|"c"x|^ep "ftwj0"Nctx{"ug"x{x|glf}pc"quv kefej"**Carex ur r*+0

Pqx^"nqwmc"RT"}J38_<390X0/70XK042240"t{df"nqw m{"RT"}J48_<70/390X042250"

Pachynematus montanus"*\cf fcej."3: :5+

Jqlp "ftwj"tq|_<f gp "xg"x{--fej"rqnj^aj0"Nctx{"ug"x{x|glf}pc"u o tmw"**Picea ur r*+0

Dwmqxe"RT"}J4d_<4;0X0/320XK042250"Jctvc"}J7_<340X042280"

Pachynematus obductus * Jctvki."3:59+

Nqm^np|"c"pgjqlp "ftwj0"Nctx{"ug"x{x|glf}pc"t |p ej"vtcx^ej"**Poaceae*+c"quv kefej"**Carex ur r*+0

Dwmqxe"RT"J4c_<380/4;0X04225=[2b]<4;0X0/320XK04225." ;0/450XKK04225."430XK042280"Ocn"Uvtpec"RT"J34_<80X042250"Pqx"nqwmc"RT"J38_<320XKK0/30XKK042240"Te-gnkp-v "Lk|gt{"PRT"J46_<320XKK0/30XKK042250

Pachynematus omega"Dgpuqp."3;77

Rwdnkqxcp2"Áfclg<Te-gnkp-v "Lk|gt{"PRT."T{d"nqw m{"RT"*Ocegm"4228+0
Cnrkpm "j{itqLnp"ftwj"x^a|cp "pc"xjnm2"nqwm{"u"quv kegok."pc"mygt ej"ug"rtcx f r q f q d p " x{x|lgl"nctx{0"X" T"rqrtx2"wx^a f p|"Lk|gtum ej"jqt"*Ocegm"4228+."|lk-v p|lg-v "x"Qtnkem ej" jqt^a ej"pc"Mt^ankem2 o"Up flp|mw0"Ok o q" T|"p^a o"|"Cnr"Xg"TMx ectumw"c"TCmqwumw0
U o tm"J49c_<350XKK0/460XKK042280

Pachynematus pallescens"*Jctvki."3:59+

Dqtgq o q p v^a p p"ftwj"x^a|cp "pc"mko czqx2"jqtum2"u o t kp{"x" T"lgp"Xg"x{--|ej"uwfgvum ej" r q j q | e j 0"Nctx{"ug"x{x|lgl"pc"u o tmw"*Picea urr0+0
Dwmqxe"RT"J4d_<390/530X04225."320/480XK042250"Te-gnkp-v "Lk|gt{"PRT"J46_<4;0X0/320XK04225."390/4:0 XK042250

Pachynematus scutellatus Jctvki."3:59

X-wfg"Xg"u o t kp^a ej"tq|-|gp "c"jqlp "ftwj0"Nctx{"ug"x{x|lgl"pc"u o te|ej"*Picea urr0+0
Dwmqxe"RT"J4c_<530X042250"Lgfnqx "f n"RT":<3;0X0/370XK042270"Ocn"Uvtpec"RT"J34_<380/4;0X042250"Te-g/ nkp-v "Lk|gtm{"PRT"J45c_<30XK042250"Te-gnkp-v "Lk|gt{"PRT"J46_<390X0/320XK042250"U o tm"J48_<4;0X0/320XK042250"U o tm"J49c_<40/430XK042280"rk ^a m"J4;_<390X0/50XK042250"W"m{ugm{"J53_<40/420XK042280

Pachynematus vagus *Hcdtkekwu."39:3+

X-wfg"tq|-|gp "c"jqlp "ftwj0"Nctx{"ug"x{x|lgl"pc"quv kek"Carex nigral
Dwmqxe"RT"J4c_<530X04225=[2b]<390/530X042250"Ocn"Uvtpec"RT"J34_<30/390XKK04224."80X042250"Pqx"nqwmc"RT" [16]<520X0/70XK042240"Te-gnkp-v "Lk|gtm{"PRT"J45c_<80X042250"Te-gnkp-v "Lk|gt{"PRT"J46_<520X0/390X04225." 390/4:0XK04225."360/4:0XKK042250"W"m{ugm{"J53_<350XKK0/90XKK042280

Pachyprotasis antennata"*Mnwi."3:39+

X-wfg"tq|-|gp "c"jqlp "u{nxkmp"ftwj0"Rqn{h^a ip"nctx{"ug"x{x|lgl"pc"t |p ej"ngup"ej" d{nkp^a ej"*Senecio urr., Galeopsis urr0, Circaea urr0, Atropa urr0"cl0+0
Dfn "Rqvqm"J3e_<380XK0/70XKK042270"Ocn"Uvtpec"RT"J34_<380X0;0XK042250"U o tm"J47_<4:0XKK0/380 XKK042270

Pachyprotasis rapae"*Nkppcgwu."3989+

X-wfg"tq|-|gp "c"Xgnok"jqlp "ftwj.lgfp|"pc-kej"p|jqlp l-|ej"rkncvgn0"Rqn{h^a ip"nctx{"ug" x{x|lgl"pc"t |p ej"d{nkp^a ej0
Dfn "Rqvqm"J3c_<40XK04228=[1b]<440X04225=J3e_<50/3;0X04227."50/380XK042270"Dwmqxe"RT"J4c_<530X04225=[2b]<390X0/320XK04225."480XK0;0XKK04225=[2b]<430XK042280" gtpqwu{/X"Rqk"J6_<360X0/360XK04229."30/470XKK042290" Jctvc"J7_<340X042280"Jqtp"Rgtvqvk"J8d_<30XK042270"Jqtp"Rqwdp "J9d_<3;0XK042280"Ocn"Uvtpec"RT"J34_<380X0/320XK042250"Ogcpft{U o f^2"RT"J35c_<60/3;0X04227=[13b]<30/470XK042290"Opf-gm"J37_<460X042250"Pqx"nqwmc"RT"J38_<390X0/70XK04224."390/4:0XK042240"Qnf kejqx"x"J^a Iej"J39_<4:0X042280"Qnf kejqxum2"ugfnq"J3: <460X042250"Rnec"J3;_<450XK042280"Teurgpexc"J44d_<330XK042280"Te-gnkp-v "Lk|gtm{"PRT"J45c_<80X04225." 30XK04225."390XK04225."520XKK042250"Te-gnkp-v "Lk|gt{"PRT"J46_<390X0/70XK042250"U o tm"J47_<470X04227." 380XK0/70XKK04227."4:0XKK0/380XKK042270"U o tm"J48_<4;0X0/480XK042250"U o tm"J49c_<40XK0/350XKK042280" ^qne x"t{dpfm"J4: <390X0/70XK042240"vkej^a "f mc"RR"J52_<80X0/40XK042260"W"m{ugm{"J53_<330X0/90XKK042280" \ncv^a"Qng-pleg"J54d_<50XK042260

*Pachyprotasis simulans**Mnwi."3:39+
Xgn o k"nqm^anp^l"c"x|^aep "ftwj"x^a|cp "pc"x um{v"flkx²"tquvnp{"nctgx"|ncvqd nw"**Solidago virgaurea*+0

Jqtp^lRgtqvkeg^lJ8c<'360X0/360X042290

*Perineura rubi**Rcp|gt."3:27+
Nqm^anp^l"c"rqo tp "x|^aep "u{nxkmqnp^lftwj"ngup^lej"rt ugm .ux vnk^p"c"qmtcl 0"Nctx{"ug"x{x^llg^l"
pc"^{mwmn}^lmw"**Geum* ur r0+"c"quvtwflk^l^lmw"**Rubus* ur r0+0"

D^ln Rqvqm^lJ3e<'50/3;0X042270"**Dwmqxe^lRT^lJ4c**<'530X04225=[2b]^l<'90X042250"**Ocn^aUvtcpc^lRT^lJ34**<'80/4;0X042250"
Pqx^a"nqwm^cRT^lJ38<'520X0/390X042240"**Vkej^a"** **f mc^lRR^lJ52**<'80X0/40X042260

Phyllocolpa alienata *H³/4tuvgt."3:76+" **E \ #**

Tq|^{-l}gp "c"fqvk^ljqlp "ftwj"r xqfp "|cjtpqxc^p"fq"ftwjqx²jq^citgi^avw"*Phyllocolpa leucaspis* *V^{kuej}dgkp."3:68+."tq|f ngp²jq^cpc"^lamncf "nctx^anp^l"dkqⁿqikg^lMqrgnmgo *4229d+"pc^lfxc"
mt{rvkem²ftwj{0"Nctx{"ug"x{x^llg^l"rqf^rgnqflgp o"|fw gn o"qmtclg o"nkuvqx²"grng^l*jkuvqkfp^l
j^aamc+^lxt^d{w-cv²**Salix aurita*+0Rtxqp^ang|rtq^l T."mtqo "Lk|gtum ej"jqt^d"n^lvgpvq^lpgp^arcfp "
ftwj"pc"^lamncf "kfgp^wk^lmc^leg^lnkuvqx ej"j^angm^luqw cup "|lk-v p^k"pc^lcf "lkp ej^lhqmcnk^v*Qtⁿkem²"
jqt{"PR" gum²"^lmx ectumq."figng|p²jq^cl."D^ln²Mctrcv^l."Uqmⁿqⁿxumq."Rqⁿcd^l+0"

Ocn^aUvtcpc^lRT^lJ34<'80/4;0X042250

Phyllocolpa erythropya *H³/4tuvgt."3:76+" **E \ #**

X-wfg^ltq|^{-l}gp "c"jq^llp "ftwj"r xqfp "pgurt^axp "x|vcj^qxc^p"m"*Phyllocolpa leucaspis* cw^e0"
pge^lV^{kuej}dgkp."3:680"**Pc**^lamncf "uvwfk^cnctx^anp^l"dkqⁿqikg^l."r gfgx-^lo"xc|d{"pc^lflkx^pqw^ltquvnpw."
Mqrgnm^g*4229c+|lkuvkn."flg^lug^lxg^lumwvg pquv^llgf^p"q^citgi^av^l"^lmt{rvkem ej"ftwj <*Ph. leucosticta* *Jctvki."3:59+^lpc^l*Salix caprea*+, *Ph. erythropya* *H³/4tuvgt."3:76+^lpc^l*S. aurita*+^l*Ph. prussica* *cf fcej."3:5+^lpc^l*S. cinerea*+0Lg^lfkpek|^lumcp^l"g^lx|qtm "r^qej^a|g^ll^lej^l"|Lk|gtum ej"
jqt^d{nk^lkgp^wk^lmqx^apk^llcmq"*Ph. erythropya*."eq^lfl^lr^qvxtfkn{"k"r^ql^l 1-^lp^ang|{"nkuvqx ej"j^angm^l
pc"*Salix aurita*0Rtxqp^ang|rtq^l T0

Ocn^aUvtcpc^lRT^lJ34<'80/380X042250"**Tc-gn^kpk^{-v}"Lk|gtm{PRT^lJ45c**<'80X042250"**Vkej^a"** **f mc^lRR^lJ52**<'40/470X042260

*Phyllocolpa leucosticta**Jctvki."3:59+

X-wfg^ltq|^{-l}gp "c"jq^llp "ftwj0"Nctx{"ug"x{x^llg^l"pc"^llx "*Salix caprea*+0

D^ln Rqvqm^lJ3e<'50/380X042270"**Ocn^aUvtcpc^lRT^lJ34**<'480X0/;0X042250"**Vkej^a"** **f mc^lRR^lJ52**<'80X0/40X042260

*Phyllocolpa purpureae**Ecogtqp."3:6+

Nqm^anp^l"c"pgjqlp "ftwj0"Nctx{"ug"x{x^llg^l"pc"^lxt^d"pcejqx²**Salix purpurea*+0

Ocn^aUvtcpc^lRT^lJ34<'80/380X042250"

*Phymatocera aterrima**Mnwi."3:38+

Nqm^anp^l"c"pgjqlp "ftwj0"Nctx{"ug"x{x^llg^l"pc"^lmqmq ^lmw"**Polygonatum* ur r0+0

D^ln Rqvqm^lJ3e<'70/4;0X042270"**Rqngf^pm^lJ42**<'40/470X042260"^lqne x^t{**dp^fm^lJ4**:<'390X0/70X042240"**W^lM{ugm^l{**
[31]<'330X0/40X04228."420X0/350X042280

*Platycampus luridiventris**Hcnm²p."3:2:+

X-wfg^ltq|^{-l}gp "c"jq^llp "ftwj0"Nctx{"ug"x{x^llg^l"pc"^lqn-^lej"**Alnus* ur r0+0

Ogcpft{Uo f²RT^lJ35c<'530X0/440X042270"

Pontania bridgmanii *Ec ogtqp."3 : : 5+
Tq|-f| gp "c"jqlp "ftwj0"Nctx{"ug"x{x|glf|x"qdqwvutcpp ej"hkuvqx ej"j^anm^aej"pc"xtd "rqrncx2"
**Salix cinerea*+ "c"xtd "lf|x " **S. caprea*+0
Ocn^a"Uvtcpc"RT"J34_<80X042250

Pontania proxima *Ugtxkmg."3 : 45+
X-wfg"tq|-f| gp "c"jqlp "ftwj0"Nctx{"ug"x{x|glf|x"qdqwvutcpp ej"j^anm^aej"pc"xtd "m gjm2"
**Salix fragilis*+0
Ocn^a"Uvtcpc"RT"J34_<80/380X042250"

Pontania vesicator"Dtg ok/ Yqnh."3 : 6 ;
Tq|-f| gp "c" fquvk"jqlp "ftwj0"Nctx{"ug"x{x|glf|x"nkuvqx ej"j^anm^aej"xtd{"pcejqx2"**Salix purpurea*+0
Vkej^a" f mc"RR"J52_<80X0/40XK042260"

Pristiphora abietina *Ej tkuv."39 ; 3+
X-wfg"xg"u o t kp^aej"tq|-f| gp "c"jqlp "ftwj0"Nctx{"ug"x{x|glf|pc"u o tmw"**Picea ur r0*+0
Jctvc"J7_<340X042280

Pristiphora breadalbanensis *Ec ogtqp."3 : : 4+" E \ #
Ctmvqcnrkppf| ftwj"tq|-f| gp "x" Cnr^aej."Mctrcvgej"*Tqnngt"gv"cn0"4228+"c"x"ugxgtpf|Gxtqr 0"
\" gum2"tgrwdnkm{"fquwf"pgwx^af p."rtxqp^ang|"rtq" T0"X xql"pgpf|p^ao 0
Tc-gnkp-v "Lk|gt{"PRT"J46_<390X0/70XK042250"

Pristiphora carinata *Jctvki."3 : 59+
Dqtgq o qpv^appf| ftwj"x^a |cp "pc"jqtum2"mnk o czqx2"u o t kp{"0"Nctx{"ug"x{x|glf|pc"dqt xm^aej"
**Vaccinium myrtillus*+0
Pqx^a"hqwmc"RT"J38_<520XK0/390X042240" T{d^fnqw m{"RT"J48_<390/4 ; 0X042250

Pristiphora cincta Pgy o cp."3 : 59
Dqtgq o qpv^appf| ftwj0"Nctx{"ug"x{x|glf|jncxp "pc"d f|^aej"**Betula ur r0*+."r fngflkvquvp "pc"dqt x/
m^aej"**Vaccinium myrtillus*+0
gtp^a"jqt c"RT"J5_<520XK0/390XK042260" Lgfngx " f n"RT":_<380XK0/80XK042270" Qnf kejqxum2"ugfnq"J3 :_<
370XK0/50XK042250" Tc-gnkp-v "Lk|gtm{"PRT"J45d_<380XK0/70XK042270" Tc-gnkp-v "Lk|gt{"PRT"J46_<390X0/70
XK042250" T{d^fnqw m{"RT"J48_<4 ; 0X0/320XK04225." ; 0/450XK042250

Pristiphora coactula *Twwjg."3 : 7 ; +" E \ #
Ctmvqcnrkppf| ftwj"tq|-f| gp "x" Cnr^aej."Mctrcvgej"*Tqnngt"gv"cn0"4228+"c"x"ugxgtpf|Gxtqr 0"
\" gum2"tgrwdnkm{"fquwf"pgwx^af p."rtxqp^ang|"rtq" T0"X xql"pgpf|p^ao 0"
U o tm"J49c_<40/430XK042280

Pristiphora compressa *Jctvki."3 : 59+
Tq|-f| gp "c" fquvk"jqlp "ftwj"mnk o czqx ej"u o t kp0"Nctx{"ug"x{x|glf|pc"u o tmw"**Picea ur r0*+0
Ocn^a"Uvtcpc"RT"J34_<4 ; 0X0/320XK042250" U o tm"J49c_<40XK0/350XK042280

Pristiphora confusa"Nkpf sxkuv."3;77" E \ #

Tq|-f gp "c"fqvkv"jqlp "ftwj0"Rtxqp^ng|"rtq" T."ftwj"fqwfw"wpkmcn"rq|qtpqukv"x|jngfgo"
m"oqflp o"|^o p^o"u"fcn-f|ok"rqfqdp ok"ftwj{0"Nctx{"ug"x{x|gl|"}pc"jncfmqnkuv ej"xtd^ej"
**Salix fragilis*, *S. phylicifolia*+0

gtpqwu{/X"Rqnk"}j6_<360XK0/30XKK04229."470XKK0/390XKK042290"Nkdgtge/Xguge"}j32_<90XKK042260"Rqwvugem"qdtc"
[21]<440XK042280"

Pristiphora decipiens"*Gpунк."3;38+

Tq|-f gp "c"pgjqlp "ftwj0"Nctx{"ug"x{x|gl|"}pc"uotmw"**Picea urr0*+0

Dwmqxe"RT"}j4d_<4;0X0/320XK042250"lgfnqx "f n"RT"}:<3;0/520X042270"Ocn^"Uvtcpc"RT"}j34_<380/4;0X042250"
Pqx^"nqwmc"RT"}j38_<390X0/70XK042240

Pristiphora geniculata"*Jctvki."3:62+

Tq|-f gp "c"pgjqlp "ftwj0"Nctx{"flkl"}rqrqnp "pc"lg^dw"**Sorbus aucuparia*+0

Ocn^"Uvtcpc"RT"}j34_<4;0X0/320XK042250

Pristiphora gerula"*Mqpqy."3;26+

Tq|-f gp "c"pgjqlp "ftwj0"Nctx{"ug"x{x|gl|"}pc"uotmw"**Picea urr0*+0

Dwmqxe"RT"}j4d_<490XK042250"W"M{ugnm{"}j53_<330X0/40XK042280

Pristiphora insularis Tqj ygt."3;32"" E \ #

Tq|-f gp "c"rqo tp "jqlp "ftwj0"Rtxqp^ng|"rtq" T."ftwj"fqwfw"wpkmcn"rq|qtpqukv"x|jngfgo"
m"oqflp o"|^o p^o"u"fcn-f|ok"rqfqdp ok"ftwj{0"Nctx{"ug"x{x|gl|"}pc"t fl^ej"**Rosa urr0*+0
\ncv^"Qng-pkeg"}j54c_<50XK042260

Pristiphora laricis"*Jctvki."3:59+

Tq|-f gp "c"fqvkv"jqlp "ftwj0"Nctx{"ug"x{x|gl|"}pc"oqf flpw"**Larix urr0*+0

W"M{ugnm{"}j53_<420XK0/350XKK042280

Pristiphora leucopodia"*Jctvki."3:59+

X-wfg"tq|-f gp "c"jqlp "ftwj"x^|cp "pc"uot kp{0"Nctx{"ug"x{x|gl|"}pc"uotmw"**Picea urr0*+0

Jctve"}j7_<340X042280" Pqx^"nqwmc"RT"}j38_<390X0/70XK042240" Tc-gnkpk-v "Lk|gt{"PRT"}j46_<390X0/70XK042250"
^rk^"m"}j4;_<40/4;0X042250

Pristiphora melanocarpa"*Jctvki."3:62+

X-wfg"tq|-f gp "c"fqvkv"jqlp "ftwj0"Nctx{"ug"x{x|gl|"}pc"d fl^ej"**Betula urr0*+0

Tc-gnkpk-v "Lk|gtm{"PRT"}j45d_<0;0K042270" Tc-gnkpk-v "Lk|gt{"PRT"}j46_<390X0/70XK04225."420XKK0/50XKK042250

Pristiphora mollis"*Jctvki."3:59+

Uwd oqpv^pp^cfl"oqpv^pp^ftwj"x^|cp "pc"xnjm^2"dqt xmqx^2"dqt{"c"uot kp{0"Nctx{"ug"x{x|gl|"}pc"dqt xeg"**Vaccinium myrtillus*+c"xinqej{pk}**V. uliginosum*+0

gtp^"jqt"RT"}j5_<80X0/40XK042260" Ocn^"Uvtcpc"RT"}j34_<80/380X042250"Rqngfpm"}j42_<80X0/40XK042260" Tc-gnkpk-v "
Lk|gt{"PRT"}j46_<390X0/70XK042250" T{d^"nqw m{"RT"}j48_<70/4;0X042250"Uotm"}j49c_<330X0/40XK042280

*Pristiphora nigella**H3/4tvgT."3:76+

X-wfg"Xg"uot kp^aej"tq|-f gp "c"jqlp "ftwj⁰Nctx{"ug"x{x|gl|f}pc"u o tmw"*Picea ur r0+0

Dwmqxe"RT"J4c_<70/380X042250"Jctvc"J7_<340X042280"Te-gnkp-k-v "Lk|gt{"PRT"J46_<390/4;0X042250"T{d}hqw m{"RT"J48_<390/4;0X042250

*Pristiphora parva**Jctvki."3:59+

D#

Tq|-f gp ."cng"rqo tp "x|^aep "ftwj"x^a|cp "pc"uot kp{0"Rtxqp^ang|"rtq" gej{."x" T"wx^af p" lgp|"Oqtcx{"*Dgpg-"3; ; +;0"Nctx{"ug"x{x|gl|f}pc"u o tmw"*Picea ur r0+0"

™rk "am"J4;_<40/4:0X042250"WM{ugm{"J53_<470X0/330X042280

*Pristiphora nigriceps**Jctvki."3:62+

Tq|-f gp ."cng"rqo tp "x|^aep "ftwj"x^a|cp "pc"uot kp{0"Nctx{"ug"x{x|gl|f}pc"u o tmw"*Picea ur r0+0

Ocn^a"Uvtcpc"RT"J34_<80/380X042250

*Pristiphora pallidiventris**Hcmm²p."3:2:+

Tq|-f gp "c"jqlp "ftwj⁰Nctx{"ug"x{x|gl|f}pc"o cnkp{mw"*Rubus idaeus+."vwflgdp{mw"*Filipendula ur r0+c"lkp ej"t flqkv ej0

Dwmqxe"RT"J4c_<530X042250"Ocn^a"Uvtcpc"RT"J34_<70/430X042240"Vkej" a" f mc"RR"J52_<40/470X042260"WM{ugm{"31"e"330X0/420X042280

Pristiphora pseudodecipiens"Dgpg-" ("M fuvgm."3;98"

D#

Tq|-f gp "c"jqlp "ftwj⁰Dgpg-"*3; ; ; +;wx^af{v"vgpvq"ftwj|"Oqtcx{."rtxqp^ang|"rtq" gej{0"Nctx{"ug"x{x|gl|f}pc"u o tmw"*Picea ur r0+0

U o tm"J49c_<40/430X042280"WM{ugm{"J53_<330X0/420X042280

*Pristiphora saxesenii**Jctvki."3:59+

Tq|-f gp "c"jqlp "ftwj⁰Nctx{"ug"x{x|gl|f}pc"u o tmw"*Picea ur r0+0

Dwmqxe"RT"J4d_<390/530X042250" gtp^a"jqtc"RT"J5_<40/470X042260"Ocn^a"Uvtcpc"RT"J34_<380/4;0X042250" Te-gnkp-k-v "Lk|gt{"PRT"J46_<390X0/70X042250

Pristiphora tetrica"\cf fcej."3:5+

D#

Nqm^anp{c"x|^aep "ftwj"x^a|cp "pc"tqmnkpqx²ngu{0"Dgpg-"*3; ; ; +;wx^af{v"vgpvq"ftwj|"Oqtcx{."rtxqp^ang|"rtq" gej{0"Nctx{"ug"x{x|gl|f}pc"lcxqtgej"*Acer ur r0+0"

Dwmqxe"RT"J4d_<90X042250

Pristiphora wesmaeli"Vkejdgp."3:75+

Nqm^anp{c"x|^aep "ftwj⁰Nctx{"ug"x{x|gl|f}pc"o qf {pw"*Larix ur r0+0

Rqng f p{m"J42_<470X0/360X042260"WM{ugm{"J53_<40/420X042280

*Pseudodineura fuscula**Mnwi."3:38+

Nqm^anp{c"pgjqlp "ftwj⁰Nctx{"okpw|f"x"nkuvgej"rt{um{ p{m "Ranunculus ur r0+0

Ocn^a"Uvtcpc"RT"J34_<80X042250"Te-gnkp-k-v "Lk|gtm{"PRT"J45_<520X042250

*Pseudohemitaxonus sharpi**Eco gtpq."3:9;+

Xgnok"nqm^anp{c"x|^aep "gwtqukd um "ftwj|" T"wx^af p "rqrxt²Ocemgo"*4228+"|qdnucw" Mtw-p ej"jqtd"p^ang|x"EJMQ"Lk|gtum²jqtd{"lg"ftwj o"rqvxt|gp o"x um{vg o"vqjqvq"ftwjw" x" T⁰Nctx^anp{x xql"flkxp^a"tquvknpc"pgluqw|p^ao²

Tglfkeg"J47_<470X042270

*Rhadinoceraea micans**Mnwi."3:38+

Xgnok"nqmanp"cx|aep "ftwj0"Nctx{"ug"x{xflgl"pc"mqucv"ej"}*Iris ur r0+0

Ogcpft{"Uo f²RT"}J35c_<360X0/440XK042270

*Rhogaster chlorosoma**Dgpuqp."3:65+

Tq|-f gp "c"jqlp "ftwj0"Rqn{h^aip"nctx{"ug"x{xflgl"pc"t |p ej"d{nkpa"ej".p"}|m ej"nkupcv ej" f gxp^aej"cmrcctfkp^aej0

gtpqwu{/X"Rqn"}J6_<360X0/30XK042290

*Rhogaster punctulata**Mnwi."3:39+

Nqmanp"cx|c"fqvk"jqlp "ftwj0"Rqn{h^aip"nctx{"ug"x{xflgl"pc"t |p ej"p"}|m ej"nkupcv ej" f gxp/ p^aej"cmg "ej0

Lgfnqx "f n"RT":<80/4:0XK042270"Ocn^aUvtcp"RT"J34_<380X0/480XK042250" T{d"nqw m{"RT"J48_<480XK0/;0XK042250"Uo tm"J49c_<40XK0/350XK042280"Vkej^a" " mc"RR"J52_<40XK0/360XK042260

*Rhogaster viridis**Nkppcgwu."397:+

Tq|-f gp "c"jqlp "ftwj0"Nctx{"ug"x{xflgl"pc"t |p ej"nkupcv ej" f gxp^aej0

gtpqwu{/X"Rqn"}J6_<360X0/30XK042290"Jqtp"Rgtvqnk"J8c_<360X0/30XK042290"Ocn^aUvtcp"RT"J34_<450X0/390XK04224."380X0/;0XK042250"Qnf kejqx"x"J^al"ej"}J39_<4:0X042280"Rqngfp"m"J42_<40XK0/360XK042260" Tc-gnkp-v " Lk|gt{"PRT"J46_<4:0X0/480XK042250" T{d"nqw m{"RT"J48_<4:0X0/480XK042250"Uo tm"J49c_<40XK0/350XK042280" Vkej^a" " mc"RR"J52_<40/470XK042260

*Sciapteryx consobrina**Mnwi."3:38+""

U<XW

Xgnok"nqmanp".rqo tp "x|aep "ftwj0"Nctx{"ug"x{xflgl"pc"rkfl oqxeg"}*Adoxa ur r0+0"e"rt{um{ / p"e"ej"}*Ranunculus ur r0+0

Pqx^anqwm"RT"J38_<390X0/70XK042240" Tc-gnkp-v "Lk|gtm{"PRT"J45c_<430X0/80X042250"m^a "m"J4_<430X0/60X042250"Vkej^a" " mc"RR"J52_<80X0/40XK042260

*Sciapteryx costalis**Hcdtkekwu."3997+""

U<XW

Nqmanp"cx|aep "ftwj0"Nctx{"ug"x{xflgl"pc"rt{um{ p"e"ej"}*Ranunculus ur r0+0

Tc-gnkp-v "Lk|gt{"PRT"J46_<4:0X0/320XK042250"W" M{ugm{"J53_<470X0/330X042280

*Selandria serva**Hcdtkekwu."39:5+

Tq|-f gp "c"jqlp "ftwj"oqm cfp"ej"nwm0"Nctx{"ug"x{xflgl"pc"t |p ej"xnjmqoknp ej"vtcx^aej"}*Poaceae+"c"quv ke"ej"}*Carex ur r0+0

Dfn "Rqvm"J3d_<440X042250"Dwmqxe"RT"J4c_<530X04225-"[2b]:<390/530X042250"Ocn^aUvtcp"RT"J34_<4:0X0/320XK042250"Opf-gm"J37_<460X042250"Rncx{"J3_<450XK042280"Teurgpexc"J44c_<530X042260" Tc-gnkp-v "Lk|gtm{"PRT" [23a]:<530X042250" Tc-gnkp-v "Lk|gt{"PRT"J46_<320XK0/30XK042250" T{d"nqw m{"RT"J48_<4:0X0/320XK04225.";0/450XK042250"Vkej^a" " mc"RR"J52_<:0XK042260

*Siobla sturmi**Mnwi."3:39+

Tq|-f gp "c"jqlp "ngup"ftwj0"Nctx{"ug"x{xflgl"pc"pgv mcxm^aej"}*Impatiens noli-tangere+0

Vkej^a" " mc"RR"J52_<360/520XK042260

*Stauronematus compressicornis**Hcdtkekwu."3:26+

Nqmanp"cx|rqo tp "x|aep "ftwj0"Nctx{"ug"x{xflgl"pc"qukm^aej"}*Populus tremula+.

Jqtp"Rgtvqnk"J8c_<30/470XK042290"Qnf kejqxum²ufgnq"J3_<:3:0XK0/50XK042250" W" M{ugm{"J53_<40/420XK042280

*Stethomostus fuliginosus**Uejtcpm."39:3+

Tq|~| gp "c"jqlp "ftwj0"Nctx{"ug"x{x|gl|}pc"rt{um{ p|e|ej"**Ranunculus* urr0+0

Dfn "Rqvqm"]3d_<440Xk042250"Ocn^"Uvtepc"RT"]34_<4;0X0/320Xk04225."450Xk0/70Xk042250"Te-gn|pk-v "Lk|gtm{"PRT"]45c_<450Xk042250"mqe x"t{d|p|fm"]4: <390X0/70Xk042240"Vlej^" f mc"RR"]52_<360/520Xk042260

*Stromboceros delicatulus**Hcnn^2p."3:2:+

Tq|~| gp "c"jqlp "ftwj0"Nctx{"ug"x{x|gl|}pc"mrcrtcfkp^a ej"**Dryopteris* urr0, *Athyrium* urr0+0

Dfn "Rqvqm"]3e_<40Xk042280"Dwmqxe"RT"]4c_<530X042250"Lgf|nqx "f n"RT"]:_<340Xk042270"Nwfx|mqx"rqf"Uo tmg o" [11]<420Xk042280"Ocn^"Uvtepc"RT"]34_<30/390Xk042240"Ogepft{"Uo f^2"RT"]35c_<3;0/530X042270"Qnf kejqxum^2" ugfnq"]3:_<370Xk042250"t{d|f|nqw m{"RT"]48_<390/4;0X042250"Uo tm"]49c_<40Xk0/350Xk042280"mqe x"t{d|p|fm"]4: <390X0/70Xk042240"rk^am"]4;_<530Xk042250

*Strongylogaster macula**Mnwi."3:39+""

U<'EN

Rwdnkmqxcp^2^Àfc|g<T{d|f|nqw m{"RT"*Oceg^m4228+0

Xgn o'k'nq^m^np|c"x|^aep ".ukn|xk|mqp|c"ur|f-g"o qpv^a pp|ftwj."x^a|cp "jncxp "pc"mnk oczqx^2"u o t kp{"u"rqf|tquv o "mrcrtcfkp0"Nctx{"ug"x{x|gl|}pc"r|crtcveg"**Athyrium* urr0+0"

Rqgf|p|fm"]42_<80X0/40Xk042260"

*Strongylogaster mixta**Mnwi."3:39+

Tq|~| gp "c"jqlp "ftwj0"Nctx{"ug"x{x|gl|}pc"r|crtcveg"**Athyrium* urr0+0

Dwmqxe"RT"]4d_<4;0X0/320Xk042250"Lgf|nqx "f n"RT"]:_<3;0/520X042270"t{d|f|nqw m{"RT"]48_<70/4;0X042250

*Strongylogaster multifasciata** I gq|htq|. "39:7+

Nqm^a np|cng"rq o tp "jqlp "ngup|ftwj0"Nctx{"ug"x{x|gl|}pc"j cukxeg"**Pteridium aquilinum*-0

T{d|f|nqw m{"RT"]48_<4;0X0/320Xk042250"mqe x"t{d|p|fm"]4: <_<:0Xk042260

*Taxonus agrorum**Hcnn^2p."3:2:+

Tq|~| gp "c"jqlp "ngup|ftwj0"Nctx{"ug"x{x|gl|}pc"o cnk|p|mw"**Rubus idaeus*+0

Dfn "Rqvqm"]3e_<50/3;0X04227."380Xk0/4;0Xk042270"Dwmqxe"RT"]4d_<90Xk042250" gtpqwu{/X"Rqn"]6_<360X0/360Xk042290" J qtp| Rgtvqn|keg"]8c_<360X0/30Xk042290" Ocn^"Uvtepc"RT"]34_<380/4;0X042250" Ogepft{"Uo f^2" RT"]35d_<360X0/360Xk042290" Qnf kejqxum^2" ugfnq"]3:_<460X042250" Rncx{""]3;_<450Xk042280" Rqgf|p|fm"]42_<40/470Xk042260" Te-gn|pk-v "Lk|gtm{"PRT"]45c_<390/4;0X042250" Te-gn|pk-v "Lk|gt{"PRT"]46_<_<0/450Xk042250" Tglfkeg"]47_<380Xk0/70Xk042270"Uo tm"]49c_<40/430Xk042280"Vlej^" f mc"RR"]52_<40/470Xk042260"W^M{"ugm{"[31]<330X0/350Xk042280

Taxonus alboscute|latus"Pkg|cdkvq y umk."3: ; ;

Rqw|g^rwdnkmqxcp^2^Àfc|g<Dwmqxe"RT"*Rtcnqwmc+^"Oceg^m422: +0

Xgn o'k'nq^m^np|c"x|^aep "o qpv^a pp|ftwj0"Mtqo "Lk|gtum ej"jqt|wx^a f p"x" T"tgegpv "|rtxq/p^a ng| "Oceg^m422:+^k|^|f|c n~|ej"p mqnkmc|nqmcnk v"x"uwf|gvum ej"rqjq |ej"*Mtmqppq-g."Qtnkem^2" jqt|. "Lgugp|fm{+0} fikxp^2"tquvnp{"d{n{"f quw f"pg|p^a o^20"Nctx{"ug"rqfng"xncuvp|jq"rq|qtqx^a p|c" f qejqx^a p|c"x|gl|}pc"v|f|gd|p|mw"**Filipendula* urr0+^c"o cnk|p|mw"**Rubus idaeus*+0

Tenthredo amoena" I tcxgpjqtuv."3:29

Tq|~| gp "c"jqlp "ftwj0"Nctx{"ug"x{x|gl|}pc"v g|c|neg"vg mqxcp^2"**Hypericum perforatum*+0

Dfn "Rqvqm"]3e_<4;0Xk0/3;0Xk042270

Tenthredo atra"Nkppcgwu."3979

Tq|-f gp "c"jqlp "ftwj"Rqn{h a i p}nctx{ "ug"x{x|gl|}pc"t |p ej"d{np a ej}

Dfn "Rqvm"]3d_<440X0/42250Dwmqxe [2a]<530X0/4225=[2b]<480X0/;0XKK0/42250 Jqtp]Rqwdp "J9d_<3; 0XKK0/42280"
Ocn"Uvtcpc"RT"]34_<380X0/;0XKK0/42250 Ogc pft"U o f"RT"]35d_<360X0/30XKK0/42290"Te-gnkp-v "Lk|gt{"PRT"
[24]<320/480X0/4225=;0/450XKK0/42250T{d}hqw m{"RT"]48_<4;0X0/320X0/4225=";0/450XKK0/42250U o tm]49c_<40/430
XK0/42280"mqe x"t{dpm"]4: <390X0/70X0/42240"m rk "m"]4;_<520X0/350XK0/42250"Vkej"" f mc"RR"]52_<470XK0/360
XKK0/42260"WM{ugm{"]53_<330X0/420XK0/42280"

Tenthredo balteata"Mnwi."3:39

Nqm a np "ug"x{um{vwl|e}ftwj"uwd o qpv a pp|ej"cfll"o qpv a pp|ej"rqnqj 0"Rqn{h a i p}nctx{ "ug"x{x|gl|}pc"t |p ej"d{np a ej}.p|m ej"nkupcv ej"fgxkp a ej"cmrcctcfkp a ej}

Lgfnqx "f n"RT"]:_<80/4:0XKK0/42270"Te-gnkp-v "Lk|gt{"PRT"]46_<70/390X0/42250U o tm]49c_<430X0/50XKK0/42280"
WM{ugm{"]53_<350XKK0/30XKK0/42280

Tenthredo bipunctula"Mnwi."3:36

Nqm a np|"c"pgjqlp "ftwj"uwd o qpv a pp|ej"cfll"o qpv a pp|ej"rqnqj 0"Nctx{ "ug"x{x|gl|}pc"uvct mw" xgl kv 2 o*"Senecio ovatus"0

Dwmqxe"RT"]4c_<480X0/;0XKK0/4225=[2b]<490X0/42250"Ocn"Uvtcpc"RT"]34_<320/480X0/42250"Te-gnkp-v "Lk|gtm{"
PRT"]45c_<450XKK0/42250"WM{ugm{"]53_<420X0/350XKK0/42280

Tenthredo brevicornis"*Mppqy."3: :8+

Tq|-f gp "c"jqlp "ftwj 0"Nctx{ "ug"x{x|gl|}pc"-v|tqxp|mw"t flm cv 2 o*"Lotus corniculatus"0
U o tm]49d_<430X0/50XKK0/42280

Tenthredo campestris"Nkppcgwu."397:

Tq|-f gp "c"jqlp "ftwj 0"Nctx{ "ug"x{x|gl|}pc"t |p ej"p|m ej"d{np a ej}

Dfn "Rqvm"]3c_<40X0/4228=[3e_<3;0X0/50X0/42270"m flqx "xtej"RT"]:_<530X0/42260"Nldgtge/Xguge"]32_<90XKK0/42260"
Ocn"Uvtcpc"RT"]34_<380X0/480X0/4225=";0/450XKK0/42250"Qnf kej qxum"ugfnq"]3: <460X0/42250"Te-gnkp-v "Lk|gtm{"
PRT"]45c_<520XKK0/42250"Te-gnkp-v "Lk|gt{"PRT"]46_<4;0/450XKK0/42250"Tglfleg"]47_<470X0/42270"WM{ugm{"]53_<
40/420X0/42280

Tenthredo colon"Mnwi."3:39

Ftwj"tq|-f gp "x"uwd o qpv a pp|ej"cfll"o qpv a pp|ej"rqnqj a ej 0"Rqn{h a i p}nctx{ "ug"x{x|gl|}pc"t |p ej"ngup|ej"d{np a ej}.nkupcv ej"p|m ej"fgxkp a ej"cmrcctcfkp a ej}

Dfn "Rqvm"]3e_<4;0XKK0/3;0XKK0/42280" Dwmqxe"RT"]4d_<430X0/42280" Ocn"Uvtcpc"RT"]34_<380/320X0/42250"
Qnf kej qxum"ugfnq"]3: <50/3;0X0/42250"Te-gnkp-v "Lk|gt{"PRT"]46_<390X0/;0XKK0/42250"U o tm]48_<
320/480X0/4225=";0/450XKK0/42250"Vkej"" f mc"RR"]52_<40/470X0/42260"WM{ugm{"]53_<420X0/50XKK0/42280"

Tenthredo crassa"Ueqrqnk."3985

Uknxmqnp|"ftwj"uwd o qpv a pp|ej"cfll"o qpv a pp|ej"rqnqj 0"Nctx a np|x xql" c"flxp 2"tquvnpk{ "pgluqw" fquwf"|p a o 20

Dfn "Rqvm"]3d_<440X0/42250Dwmqxe"RT"]4d_<4;0X0/480X0/4225=";0XKK0/70XKK0/4225."430X0/42280" Jqtp]Rqwdp "
[7b]<3;0X0/42280" Ocn"Uvtcpc"RT"]34_<4;0X0/320X0/4225."70/420XKK0/42250" Tglfleg"]47_<380X0/70XKK0/42270"
WM{ugm{"]53_<420X0/350XKK0/42280"

Tenthredo cunyi"Mppqy."3: :8""

U<XW

Xgn o k"nqm a np|"c"x| a ep "ftwj"o qpv a pp|ej"cfll"carcpum ej"rqnqj 0"X" T"wx a f p"fqwf"lgp"|x{uq/ m ej"uwfgvum ej"rqjq f"m Mtmppq-g."Lgugp|m{+0"Nctx a np|x xql"pgp|"p a o 0

Dwmqxe"RT"]4d_<480X0/;0XKK0/42250

Tenthredo ferruginea"Uej tcpm."3998

Tq|-f| gp "c" jqlp "ftwj0"Rqn{h^aip^l}nctx{"ug"x{x|gl^l"pc"t |p ej"ngup^eej"d{nkp^aej."nkupcv ej" p^l|m ej"f gxkp^aej"cmrcrtcfkp^aej0

Ocn^a"Uvtcpc"RT"J34_<4;0X0/320XK04225."480XK0/;0XKK042250"Te-gnkpk-v "Lk|gtm{"PRT"J45c_<420XKK0/70XKKK042250" U o tm"J49c_<40/430XK04228."350XKK0/50XKKK042280"Vkej^a" f mc"RR"J52_<520XKK0/360XKKK042260" W" M{ugm{"J53_<40XK0/90XKKK042280"

Tenthredo livida"Nkppcgwu."397:

Tq|-f| gp "c" jqlp "ftwj0"Rqn{h^aip^l}nctx{"ug"x{x|gl^l"pc"t |p ej"ngup^eej"d{nkp^aej."p^l|m ej" nkupcv ej"f gxkp^aej"cmrcrtcfkp^aej0

Dfn^a"Rqvm"J3e_<50/380XK042270"Dwmqxe"RT"J4d_<430XK042280"Nwfxmqx"rqf"U o tmg o"J33_<420XK042280" Ocn^a" Uvtcpc"RT"J34_<4;0X0/320XK04225."480XK0/;0XKK042250"Te-gnkpk-v "Lk|gtm{"PRT"J45c_<390XK04225."450XKK04225." 90/420XKK042250" T{d^l"nqw m{"RT"J48_<4;0X0/320XK042250"mqe x't{dp^lm"J4:_<390X0/70XK042240" W" M{ugm{"J53_<350XKK0/50XKKK042280"

Tenthredo maculata" I gqhhtq{."39: 7

Tq|-f| gp "c" jqlp "ftwj0"Nctx{"ug"x{x|gl^l"pc"t |p ej"ngup^eej"vtcx^aej"*Poaceae+0

Pqx^a"nqwmc"RT"J38_<390/4;0XK042240"Qnf le j qxum²"ugfnq"J3:_<460X042250" Te-gnkpk-v "Lk|gtm{"PRT"J45c_<3;0XK042250"mqe x't{dp^lm"J4:_<390X0/70XK042240"m^lrk^am"J4;_<50/440XK042250" W" M{ugm{"J53_<420XK0/350XKK042280" \ncv^a"Qng-plcg"J54c_<50XK042260"

Tenthredo mandibularis"Hcdtkewu."3: 26

Ftwj" tq|-f| gp "x" kpxgt|p^lej"Àfqⁿej" c" uwd o qpv^app^eej" cfl" o qpv^app^eej" rqnqj^aej0"Nctx{" ug"x{x|gl^l"pc"fgx vuknw"*Petasites ur r0+0

Ocn^a"Uvtcpc"RT"J34_<4;0X0/320XK042250" W" M{ugm{"J53_<350XKK0/90XKKK042280"

Tenthredo mesomela"Nkppcgwu."397:

Tq|-f| gp "c" jqlp "ftwj0"Rqn{h^aip^l}nctx{"ug"x{x|gl^l"pc"t |p ej"p^l|m ej"d{nkp^aej0

Dwmqxe"RT"J4c_<380/4;0X04225.;0/450XKK04225="J2b"j_<490X04225."320/480XK04225."450XKK0/70XKKK04225."430XK042280" Jqtp^l"Rgtvqnkieg"J8c_<360X0/360XK042290" M fllqx "xtej"RT";_<530X042260" Ocn^a"Uvtcpc"RT"J34_<390/450X04224." 4;0X0/;0XKK042250" Pqx^a"nqwmc"RT"J38_<390X0/70XK042240"Rncx{"J3;_<450XK042280"Te-gnkpk-v "Lk|gtm{"PRT"J45c_<390XK042250" T{d^l"nqw m{"RT"J48_<4;0/450XKK042250"Vkej^a" f mc"RR"J52_<470XK0/360XKK042260" W" M{ugm{"J53_<40XK0/350XKK042280"

Tenthredo mioceras"*Gpunkp."3; 34+

Xgn o k"nqm^anp^l"c"x|^aep "ftwj" o qpv^app^eej" rqnqj0"Nctx{"ug"x{x|gl^l"pc"t |p ej"p^l|m ej"d{nk/ p^aej0

Dwmqxe"RT"J4d_<430XK042280"U o tm"J49c_<40/430XK042280"

Tenthredo moniliata"Mnwi."3: 39"

U<XW

Xgn o k"nqm^anp^l"c"x|^aep "dqtgq o qpv^app^l"ftwj0"Rqn{h^aip^l}nctx{"ug"x{x|gl^l"pc"t |p ej"d{nk/ p^aej0

Ocn^a"Uvtcpc"RT"J34_<320/480XK042250" W" M{ugm{"J53_<350XKK0/90XKKK042280"

Tenthredo notha"Mnwi."3: 39

Tq|-f| gp "c" jqlp "ftwj0"Nctx{"ug"x{x|gl^l"pc"t |p ej"dqdxkv ej"*Fabaceae+0

Dfn "Rqvm"]3d_<440X042250Dwmqxe"RT"]4d_<390/530X04225."320/480XK04225.";0XKK0/70XKK042250"Ocn"Uvtcpc"RT"
[12]<390/450X04224."380X0/320XK04225."480XK0/;0XKK042250"Te-gnkp-k-v "Lk|gtm{"PRT"]45c_<520XKK042250"Te-gnkp-k-v "
Lk|gt{"PRT"]46_<390X0/320XK04225.";0XKK0/70XKK04225."40/490KZ042250"t{d}nqw m{"RT"]48_<390X0/320XK04225."
;0/450XKK042250"mqe x"t{dpfm"]4:_<320XKK0/30XKK042240"

Tenthredo olivacea"Mnwi."3:39

Xgn o k"nqma"np"dqtgq o qpv"pp"ftwj0"Nctx{"ug"x{x|gl|"pc"t |p ej"p|m ej"d{nkpa"ej0
Lgfnqx "f n"RT"]:_<80/4:0XKK042270"Pqx"nqwmc"RT"]38_<390/4:0XK042240"Te-gnkp-k-v "Lk|gt{"PRT"]46_<70/390
XK042250

Tenthredo rubricoxis"*Gpunkp."3:34+

Nqma"np"|"c"pgjqlp "ftwj"uwd o qpv"pp"fej"cfi" o qpv"pp"fej"rqnj0"Nctx{"ug"x{x|gl|"pc"uvct e"fej"
*Senecio urr0+"c"mc o |k p|mw"*Doronicum urr0+0

Dwmqxe"RT"]4c_<480XK0/;0XKK042250"Ocn"Uvtcpc"RT"]34_<4;0X0/320XK042250"Te-gnkp-k-v "Lk|gt{"PRT"]46_<
4;0X0/480XK042250"U o tm"]49c_<40XK0/350XKK042280"Vkej" " |mc"RR"]52_<40XK0/360XKK042260"W"M{ugum{""]53_<
40XK0/90XKK042280

Tenthredo temula"Ueqrqnk."3985

Nqma"np"|"c"pgjqlp "ftwj0"Rqn{h a i p"nctx{"ug"x{x|gl|"pc"t |p ej"d{nkpa"ej"|"c"p|m ej"nkupcv ej"
f gxp"aej0
Ocn"Uvtcpc"RT"]34_<4;0X0/320XK042250"Te-gnkp-k-v "Lk|gtm{"PRT"]45c_<390XK042250" \ncv"Qng-pleg"]54c_<
50XK042260

Tenthredo trabeata Mnwi."3:39

Nqma"np"|"ftwj"uwd o qpv"pp"fej"cfi" o qpv"pp"fej"rqnj0"Nctx{"ug"x{x|gl|"pc"t |p ej"d{nkpa"ej"
*Petasites urr0. Senecio urr0, Prenanthes urr0, Crepis urr0"cl0+0

Dfn "Rqvm"]3d_<440X04225="]3e_<380XK0/70XKK042270" Dwmqxe"RT"]4d_<4;0X0/480XK04225."450XKK0/70XKK042250"
Jqtp"Rgtvqmkeg"]8d_<30XK042270"Ocn"Uvtcpc"RT"]34_<380X0/320XK042250"Opf-gm"]37_<390X042250"mqe x"t{dpfm"
[28]<390X0/70XK042240"Vkej" " |mc"RR"]52_<40/470XK042260

Tenthredo velox"Hcdtkekwa."39; :

Oqpv"pp"|"ftwj"x a |cp "pc" o qm cfp"dkqvqr{0"X"jqt"aej"tq|-f gp "c"rq o tp "jqlp ."x"pkf|-fej"
rqnj"aej"lgp"x"kp xgt|p"fej"Àfqm"ej0"Nctx{"ug"x{x|gl|"pc"t |p ej" o qm cfp"fej"d{nkpa"ej"|"c"p|m
ej"nkupcv ej" f gxp"aej0

Dwmqxe"RT"]4c_<530X042250"Ocn"Uvtcpc"RT"]34_<4;0X0/;0XKK042250"Te-gnkp-k-v "Lk|gt{"PRT"]46_<390X0/320
XK042250"tglfkeg"]47_<470X042270"mk a m"]4:_<420XKK0/50XKK042250"Vkej" " |mc"RR"]52_<40/470XK042260

Tenthredo zonula"Mnwi."3:39

Tq|-f gp "c"jqlp "nw p"ftwj0"Nctx{"ug"x{x|gl|"pc"v g|cneq"*Hypericum urr0+0
Ocn"Uvtcpc"RT"]34_<4;0X0/320XK042250

Tenthredopsis excisa"*Vjq o uqp."3:92+

Nqma"np"|"c"pgjqlp "xnjmq o kmp "ftwj0"Nctx{"ug"x{x|gl|"pc"t |p ej"xnjmq o kmp ej"vtcx"aej"
*Poaceae+0

W"M{ugum{""]53_<420XK0/350XKK042280

Tenthredopsis friesei"*Mqppy."3: :6+

Nqma"np"|"c"pgjqlp "ftwj0"Nctx{"ug"x{x|gl|"pc"t |p ej"ngup"fej"vtcx"aej"*Poaceae+0

Dfn "Rqvm"]3e_<3;0X0/50XK04227."70/4;0XKK042270

*Tenthredopsis litterata** I gqhtq{.":39:7+

Nqm^anp^lc"pgjqlp "ftwj"x^a|cp "pc"uw--"u o f-gp²"c"nkuvpcv²"ngu{."x"Lk|gtum ej"jqt^aej"lgp^ax"pkfl-f"ej"rqnj^aej⁰"Nctx{"ug"x{x|gl^l"pc"t |p ej"vtcx^aej"*Poaceae+0

Dfn "Rqvm"]3e_<50/380XK0/42270"W"M{ugm{"}53_<420XK0/350XK0/42280

*Tenthredopsis nassata**Nkppcgwu."3989+

Xgn ok"tq|-f gp "gwt{vqrp^l"ftwj⁰"Nctx{"ug"x{x|gl^l"pc"t |p ej"vtcx^aej"*Poaceae+0

Dfn "Rqvm"]3e_<40XK0/4228-"[1b]<440X0/42250" Dwmqgxe"RT"]4c_<530X0/4225-"[2b]<390X0/320XK0/4225."480XK0/; 0XK0/42250" gtpqwu{/X"Rqm"]6_<360X0/30XK0/42290"J qtp^l"Rqwdp "J9d_<3; 0XK0/42280"Ocn^a"Uvtcpc"RT"]34_<4; 0X0/; 0XK0/42250" Ogepft{"U o f²"RT"]35e_<530X0/440XK0/42270" Opf-gm"]37_<460X0/42250" Pqx^a"nqwmc"RT"]38_<390X0/4: 0XK0/42240" Qnf kejqxm²"ugfnq"]3: _<50/3; 0XK0/4225."370XK0/50XK0/42250" Rqngfpm"]42_<40/470XK0/4226."360/520XK0/42260" Te-gnkp^k-v "Lk|gtm{"PRT"]45e_<30XK0/4225."390XK0/4225."4: 0XK0/4225."; 0XK0/42250" Te-gnkp^k-v "Lk|gt{"PRT"]46_<520X0/480XK0/4225."; 0/450XK0/42250" T{d^l"nqw m{"RT"]48_<390X0/320XK0/4225."480XK0/450XK0/42250"U o tm"]27a]<430XK0/350XK0/42280"mqe x^t{d^lpfm"]4: _<390X0/70XK0/42240"m^lrk "a m"]4: _<440XK0/420XK0/42250"Vkej^a" f mc"RR"]30]<80X0/470XK0/4226."360/520XK0/42260

*Tenthredopsis scutellaris**Hcdtkekwu."3:26+

Xgn ok"tq|-f gp "gwt{vqrp^l"ftwj⁰"Nctx{"ug"x{x|gl^l"pc"t |p ej"vtcx^aej"*Poaceae+0

Dfn "Rqvm"]3e_<70/4; 0XK0/42270" Dwmqgxe"RT"]4d_<490XK0/42250" gtp^a"jqt"RT"]5_<40/470XK0/42260" gtpqwu{/X"Rqm"]4]<360XK0/30XK0/42290"J qtp^l"Rgtvqkqeg"]8e_<360XK0/30XK0/42290" Nwfx{mqx"rqf"U o tmg o"]33_<420XK0/42280" Ocn^a"Uvtcpc"RT"]34_<40XK0/42260" Opf-gm"]37_<390X0/4225."460X0/42250" Qnf kejqx^a"J^a"f"ej"]39_<4: 0X0/42280" Rqngfpm"]20]<40XK0/360XK0/42260" Te-gnkp^k-v "Lk|gtm{"PRT"]45d_<450XK0/4227."380XK0/4: 0XK0/42270" Tglfleg"]47_<470X0/42270" U o tm"]49e_<430XK0/50XK0/4228=" [27b]<350XK0/50XK0/42280"mqe x^t{d^lpfm"]4: _<: 0XK0/42260" W" M{ugm{"}53_<420XK0/350XK0/42280" \ncv^a"Qng-pkeg"]54d_<50XK0/42260

*Tenthredopsis ornata**Ugtxknng."3:45+

Nqm^anp^lc"pgjqlp "ftwj"x^a|cp "pc"uw--"dkvqr{."x"Lk|gtum ej"jqt^aej"lgp^ax"pkfl-f"ej"rqnj^aej⁰"Nctx{"ug"x{x|gl^l"pc"t |p ej"vtcx^aej"*Poaceae+0

Dfn "Rqvm"]3e_<50/380XK0/42270" Opf-gm"]37_<460X0/42250

*Tenthredopsis sordida**Mnwi."3:39+

Xgn ok"nqm^anp^lc"x|^aep "ftwj⁰"Nctx{"ug"x{x|gl^l"pc"t |p ej"vtcx^aej"*Poaceae+0

Dfn "Rqvm"]3d_<440X0/42250" Opf-gm"]37_<390X0/42250" Te-gnkp^k-v "Lk|gt{"PRT"]46_<480XK0/; 0XK0/42250

*Tenthredopsis tessellata**Mnwi."3:39+

Xgn ok"nqm^anp^lc"x|^aep "ftwj"x^a|Lk|gtum ej"jqt^aej"lgp^ax"pkfl-f"ej"rqnj^aej⁰"Nctx{"ug"x{x|gl^l"pc"t |p ej"vtcx^aej"*Poaceae+0

Dfn "Rqvm"]3d_<440X0/42250" Opf-gm"]37_<460X0/42250

Zkr j { ftkfcg

*Xiphydria camelus**Nkppcgwu."397:+

Tq|-f gp "c"jqlp "ftwj⁰"Nctx{"ug"x{x|gl^l"xg"fgx"t |p ej"nkuvpcv ej"uvtqo ."r fgfgx-f"o"qn-f"
*Alnus urr0+"c"d f{"*Betula urr0+0

Dfn "Rqvm"]3e_<50XK0/70XK0/42270

Egrjkfcg

Calameuta pallipes *Mnwi."3:25+

Tq|-f gp "c"jqqlp "ftwj0"Nctx{"okpwlf"x"t |p ej"vtcx^ej"**Poaceae*+0

Opf-gm"]37_<'460X042250

Cephus nigrinus"Vjqouqp."3:93

Xgnok"nqma"npf"cp"pgjqqlp "ftwj0"Nctx{"okpwlf"x"t |p ej"vtcx^ej"**Poaceae*+0

Dfñ "Rqvm"]3d_<'440X042250"Dwmqxe"RT"]4d_<'90X042250"**Pqx^"**nqwmc"RT"]38_<'390X0/70X042240"**Qif** kejqxum?"
ugfnq"]3:<'460X042250"**qne** x"t{**dpfm"]4:<'390X0/70X042240"**Vkej^a" f mc"RR"]52_<'80X0/40X042260

Cephus spinipes *Rcp|gt."3:23+

Tq|-f gp "c"jqqlp "ftwj0"Nctx{"okpwlf"x"t |p ej"vtcx^ej"**Poaceae*+0

Jqtpf"Rqwdp "J9d_<'3;0X042280"**Opf-gm"]37_<'460X042250**

Hartigia nigra *Jcttku."3998+

Tq|-f gp .cng"pgjqqlp "cf|x|^ep "ftwj0"Nctx{"okpwlf"x"rtwvej"quvtwflkp|fm "**Rubus*"ur r0+0

Rqngfpm"]42_<'470X0/360X042260

\jqfpqegp"x ungf m

D jgo -"guvknv^jq"*422464229+"rt |mwow"d{nq"pc"À|go"l"lkgtum ej"jqtc"Ht fncpvumc"
|lk-v pq"492"ftwj "-ktqruc ej"* gng "Rcorjknkfcg"35"ftwj ."Ctikfcg"32"ftwj ."Fkrtkqpkfcg"
6"ftwj {"Vgvpvjtgflpkfcg"45:"ftwj ."Egrjkfcg"6"ftwj {"Zkrj{ftkkfcg"3"ftwj+."eqfl"r gfvucxwlg"
x"leg"pgfl"v gvpw"|egnmqx^jq"rq vw"ftwj |lk-v p ej"pc"egn^o"À|go"l" gum^2"tgrwdnkm{0"fqok/
pcpvp"unqflmw"vxq f"l"gfpcm"uknxkmpq"ftwj {"rqvtcxp "x^|cp^2"pc"nkuvpcv^2"clgjnkcpcv^2"uvtqo{"
c"m qxkpp "c"d{nkpp "rqftquv."l"gfpcm"j{itqLnp"ftwj {"rqfo^a gp ej"ctc-gnkpp ej"nwm"x^|cp^2"
pc"xijmqoknpqw"xgigvcek"*xtd{"quv keg."oqm cfp"vt^ax{"vwflgdp|fm+0"m"x |pcop o"x ungf m o"
rcv f"v p^ev"rtxqp^ang| "rtq" T"**Amauronematus hartigi*."A. ranini. A. sagmarius."A. steno-
gaster."Anoplonyx destructor."Nematus frenalisis."N. respondens."Phyllocolpa alienata."Ph.
erythropoga."Pristiphora breadalbanensis."P. coactula."P. confusa."P. insularis+."v k'rtxqp^ang| {"
rtq" gej {"**Pristiphora parva*."P. pseudodecapiens."P. tetrica+."fcb-f"p^ang| {" v {"pgf^axpq"rwd/
nkmqxcp ej"rtxqp^ang| "rtq" T"**Dolerus brevicornis*"*Ocegm"422: +."D. liogaster schneideri
*Ocegm"422: +."Pachynematus omega"*Ocegm"4228+."Taxonus alboscuteallatus"*Ocegm"422: ++"
c"fxqw"pgf^axpq"rwdnkmqxcp ej"rtxqp^ang| "rtq" gej {"**Dolerus genucinctus*."Empria immersa
*Ocegm"422: ++0"\"c"rq|qtwjqfp "h|g'tqxp fl"q|pc kv"x" T"ftwj "p^ang|dqtgqo qpva"pp"jq"ftwjw"
Pseudohemitaxonus sharpi"c"dqtgqocnrkpp"ej"ftwj "*Eopsis beaumonti*"c"*Tenthredo cunyi*0"Dnkfl-
mqogpva" g"m"l"gfppqnxk o"ftwj o"luqw"wxgfgp{"x"r gjngfw"ftwj 0

Rqf mqx^p"X |mwow"d{n"rqfrq gp"Okpkuvtuvxgo"mwnwt{" gum^2"tgrwdnkm{"*i"tcpv"OM"22224549423+0

NKVGTCVWTC"

DGPGTMM03: ;;<'U{orj{vc."rr0"35/470"KpTMGFKX "L0"*gfb<'Gpwogtcvkq"kpugevqtow"Dqjgoquqxcmkg0"Jegem/nku"
qh"E|gejqunqxcm"kpugev0"KKK"*J {ogpqrvtc+0"Acta Faun. Ent. Mus. Nat. Pragae. 3; <'3/3; 60"
ITGIQT" H" ("DC C" N0"3; 64<"Rtqftqowu"pc-gjq"dnepqm "fn^2"jq"j"o {"|w0"*Rtqftqowu" J {ogpqrvtqto" rcvtkcg"
pqwtcg-0"Rctu"X0"Rqf^a" f"U {orj{vc"*Ejancuvq icvutc."Vgvpvjtgflpkqkfgc+0"Udq0" Gp0"qf f0"r k" \qqm0"udf"tm^a"ej"
 \goum^2"jq"ow/gc"x"Rtc."42<'47; /566^*kp"E"gej+0

MQRGNMG" L0" R0" 4229c<" Vjg" Gwtqrgcp" urgekgu" qh" vjg" i gpwu" Rj {mneqnr.c." rctv" k<" vjg" ngwequkvvc/ i tqwr" *Kpugevc." J { o gpprvgtc." Vgvpj tgf kpkfcg." Pg o cvkpcg<0" *Senckenbergiana Biologica*." :9*3<97/32; 0

MQRGNMG" L0" R0" 4229d<" Vjg" Gwtqrgcp" urgekgu" qh" vjg" i gpwu" Rj {mneqnr.c." rctv" k<" vjg" ngwecruka/ i tqwr" *Kpugevc." J { o gpprvgtc." Vgvpj tgf kpkfcg." Pg o cvkpcg<0" *Senckenbergiana Biologica*." :9*4<36;/3830

NCEQWTV" L0" 3; ; :<" Pqvg" uwt" Fqngtwu" *Rqqf qngtwu" ucp i wkpkeqmku" *Mnw i." 3: 3: + J ctki i." 3: 59" * J { o gpprvgtc." Vgvp/ vj tgf kpkfcg<0" *L'Entomologiste*." 76*5<34;/3550

OCEGM" L0" 4227<" U { o r j {vc" *ktqrcti" r" r r0" 594/5980" Kp<HCTMC " L0." MT fN" F0" (" TMQTR" M" O0" *gfu< " gtxgp " ug/pc o" qj tqfsg ej" f" twj " gum" 2" tgrwdhkm" 0" Dg/ qdt cvn" 0" Tgf" nkuv" qh" vj tgcvgpgf" urgekgu" kp" vjg" E/ ge j" Tgrwdhkel" 0" *Invertebrates*" C" I gipwtc" qe j t cp { " r f tqf { " c" mtcl k p { " T. Rtcjc." 982" r r" *kp" E/ ge j" cp f" Gpi nku j +0

OCEGM" L0" 4228<" Hcwpkuvke" tgeqt fu" htq o" vjg" E/ ge j" Tgrwdnke" 0" 43; 0" J { o gpprvgtc<" U { o r j {vc" 0" *Klapalekiana*." 64< 567/56; 0

OCEGM" L0" 422: <" Hcwpkuvke" tgeqt fu" htq o" vjg" E/ ge j" Tgrwdnke" 0" 4680" J { o gpprvgtc<" U { o r j {vc" 0" *Klapalekiana*." 66< 85/8; 0

R f FT" \ 0" 3; ; 2c<" Hcwpkuvke" tgeqt fu" htq o" E/ ge j" qunxcmck0" J { o gpprvgtc0" *Acta Ent. Bohemoslov.*." :9<536/53: 0

R f FT" \ 0" 3; ; 2d<" Hcwpkuvke" tgeqt fu" htq o" E/ ge j" qunxcmck0" J { o gpprvgtc0" *Acta Ent. Bohemoslov.*." :9<5; 8/5; : 0

RTWPGT" N0" (" O" MC" R0" 3; ; 8<" Ugl pco" qde" c" lglkej" *uw" x" gum" 2" tgrwdhkeg" u" fun { " o crqx ej" r qm" r tq" u" qx" 2" o crqx" a" p" hcwp {0" Nkuv" qh" ugvng o gpvu" kp" vjg" E/ ge j" Tgrwdnke" ykvj" cuuqekcvf" o cr" Lgnf" eqf gu" hq" t" hcwpkuvke" i tkf" o cr rkp i" u" uwg o +0" *Klapalekiana*." 54" *Uwr r n0" <3/337" *kp" E/ ge j" Gpi nku j" uw o o 0+0

TQNGT" N0." DGP G" M0." DNC PM" U0" O0." J QNW" C" L0." LC PUGP" G0." L E PKEMG" O0." MCNW \ C" U0." MG J N" C0." MG J T" K0." MTCWU" O0." NKU VQP" C" O" F0." P \ OCP" M0." PKG" J 0." UCXKPC" J 0." VCG I GT" C" O" (" YGK" O0" 4228<" Eqpvtkdwwkq" vq" vjg" mpqy ngf i g" qh" vjg" uc y i { " hcwpc" * J { o gpprvgtc." U { o r j {vc" + qh" vjg" Nqy" Vcvtcu" P cvkqpcn" Rctm" kp" Egpvtcn" Uqnxcmck0" *Natura Tutela*." 32<79/940

UE J O K F V" U" 3; ; 9<" C o cwtqg o cwu" Mqpy." 3: : 2" 6" " mqnai kig" wpf" Vczppq o kg" fgt" pqt f gwtqr" k u e j p" C tvgp" fgu" hcmez/ Mq o r n g z g u" * J { o gpprvgtc." Vgvpj tgf kpkfcg<0" *Beitr. z. Ent.*." 69*4<449/5480

VCG I GT" C0." CNVGP J QHGT" G0." DNC PM" U0" H0." LC PUGP" G0." MTCWU" O0." RUE J QTP/ YCNE J GT" J 0" (" TKV \ C" E" 0" 3; ; :<" Mq o o g p v t g { w t" Dkqai kig." Xgdtgkwpi" wpf" I gh0" j twp i" fgt" R i cp/ g p y g u r g p" F g w v u e j n c p f u" * J { o g p p r v g t c." U { o r j {vc" + r r 0" 6; /3570" Kp<VCG I GT" C" O" (" DNC PM" U0" H" R i cp/ g p y g u r g p" F g w v u e j n c p f u" * J { o g p p r v g t c." *Symphya*). *Kommentierte Bestandsaufnahme*.

VCG I GT" C0." DNC PM" O0" U0" & NKU VQP" C" O" F0" 4228<" Gwtqrgcp" uc y i kgu" * J { o gpprvgtc<" U { o r j {vc" + 0" c" urgekgu" e j g e m n k u v h q t v j g e q w p v t k u g." r r 0" 5; ; /7260" Kp<DNC PM" U0" O0." UE J O K F V" U0" (" VCG I GT" C" O" *gfu<" *Tgegpv" Uc y i f" Research: Synthesis and Prospects*" I qgemg" (" Gxgtu." Mgnvgtp." 924" r r 0

XQPK MCR" 0" 422: <" Gpvq o qnq i k e m" x | m w o Lk | g t u m e j" j q t" c" H t f n c p v m c" x h g v g e j" 4222/42290" *Gpvq o qnq i k e c n" u w t x g { " q h" v j g" Lk | g t u m" 2" j q t { " O v u" c p f" H t f n c p v" t g i k p" k p" 4222/4229+0" *Udtp0" Ugxgtg gud" Ow/0.* R" f" X" f f." Nkdgtge." 48< 5/34" *kp" E/ ge j." Gpi nku j" uw o o 0+0

XQPK MC" R0" (" X" T" f M" T0" 422: <" \ " mnc f p" e j c t e m v g t k u v k m" | m q w o c p 2" j q" A | g o" Lk | g t u m e j" j q t" c" H t f n c p v m c" 0" * I g p p t c n" e j c t c e v g t k u v k e" q h" v j g" u w f f" { " c t g c" k p" v j g" Lk | g t u m" 2" j q t { " O v u" c p f" H t f n c p v" t g i k p" +0" *Udtp0" Ugxgtg gud" Ow/0.* R" f" X" f f." Nkdgtge." 48<35/55" *kp" E/ ge j." Gpi nku j" uw o o 0+0

UWO OCT [

Fwtkpi" vjg" ukz/ { gct" uwtxg { " r t q l g e v." 492" urgekgu" qh" U { o r j {vc" *Rc o r j knkkfcg" 0" 35." Cti k/ f c g" 0" 32." Fk r t k q k f c g" 0" 6." Vg p v j t g f k p k f c g" 0" 45: . " E g r j k f c g" 0" 6." Z k r j { f t k k f c g" 0" 3+ " y g t g" t g e q t f g f" c v" u g n e v g v f" n q e c n k v k u g" q h" v j g" Lk | g t u m" 2" j q t { " R t q v e g v f" N c p f u e r g" C t g e" c p f" H t f n c p v" t g i k p p" V j j k u" 0" c m g u" w r" 0" o q t g" v j c p" c" v j k t f" q h" v j g" v q v c n" p w o d g t" q h" U { o r j {vc" urgekgu" tgeqt f g f" kp" vjg" E/ ge j" Tgrwdnke0" Vjg" o quv" uk i p k l e c p v" l p f k p i u" c t g" n k u v g f" d g n q y 0"

30" Vjg" E" t u v" t g e q t f u" h q t" v j g" E/ ge j" Tgrwdnke<"

Amauronematus hartigi" 0" r t q d c d n { " c" y k f g n { " f k u v t k d w v g f." d w v" w p v k n" t g e g p v n { " p g i n g e v g f" urgekgu" Dgukf gu" vjg" Lk | g t u m" 2" j q t { " RNC" c n u q" t g e q t f g f" k p" v j g" Q t n k e m" 2" j q t { " RNC." f i g n | p" 2" j q t { " RNC" c p f" gum" 2" M" x e c t u m q" P R += " h q q f" r n c p v" *Salix aurita* 0"

Amauronematus ranini" 0" r t g x k q w u n { " m p q y p" h t q o" U e c p f k p c x k" * H k p n c p f." U y g f g p + " q p n { = " d g u k f g u" v j g" Lk | g t u m" 2" j q t { " RNC" c n u q" t g e q t f g f" k p" v j g" D f n 2" M c t r c v { " RNC." gum" m t c u" RNC" c p f" e g p v t c n" D q j g o k c += " h q q f" r n c p v" *Populus tremula* 0"

Amauronematus sagmaris" 0" m p q y p" h t q o" C w u t k e." U y k v | g t n e p f." D t k v k u j" k u n c p f u" c f" T w u u k e = " d g u k f g u" v j g" Lk | g t u m" 2" j q t { " RNC" c n u q" t g e q t f g f" k p" v j g" D f n 2" M c t r c v { " RNC" c p f" Q t n k e m" 2" j q t { " RNC += " h q q f" r n c p v u" *Salix ur* r 0"

Amauronematus stenogaster "ó" rtdcdn{ "c" ykfgn{ " fkuvtkdwvfgf"urgekgu"htq o gtn{ "kpenwfgf" kp"vjg"urgekgu"eq o rngz"A. fallax cwev{="dgukfgu"vjg"Lk|gtum²" jqt{ "RNC"cnuq"tgeqtfgf"kp"egpvtn" Dqjg o kc="hqqf" rncpv"Salix fragilis"0

Anoplonyx destructor "ó" c" ykfgn{ " fkuvtkdwvfgf"urgekgu"cuuqekcvgf" ykvj "Larix="dgukfgu"vjg" Lk|gtum²" jqt{ "RNC"cnuq"tgeqtfgf"kp"vjg"Dfn²"Mcrrcv{ "RNC."figng|p²" jqt{ "RNC." gum "mtcu" RNC"cpf"kp"xctkquw"rctvu"qh"egpvtn"cpf" yguvgtp"Dqjg o kc=0

Nematus frenalis "ó" cp"ctevqcnrkpg"urgekgu="kp"Egpvtn"Gwtqrg"qewwtkpi"kp"vjg"Crnu"cpf" Ectr cvj kcpu="dgukfgu"vjg"Lk|gtum²" jqt{ "RNC"cnuq"tgeqtfgf"kp"vjg"Qtnkem²" jqt{ "RNC"0

Nematus respondens "ó" c" ykfgn{ " fkuvtkdwvfgf"urgekgu"jctf"vq"fkuvkpi"wkuj"htq o "vjg"tngcvgf"N. oligospilus="dgukfgu"vjg"Ht fncpv"tg ikqp"cnuq"tgeqtfgf"kp"vjg"figng|p²" jqt{ "RNC."Dfn²"Mcrrcv{ " RNC"cpf"xctkquw"rctvu"qh"egpvtn"Dqjg o kc="hqqf" rncpv"Salix fragilis"0

Phyllocolpa alienata "ó" c" pg ingevgf"urgekgu"htq o gtn{ "kpenwfgf"kp"vjg"urgekgu"eq o rngz"Ph. leucapsis="dgukfgu"vjg"Lk|gtum²" jqt{ "RNC"cnuq"tgeqtfgf"kp"xctkquw"rctvu"qh"vjg"E|gej" Tgrwdnke=" hqqf" rncpv"Salix aurital"0

Phyllocolpa erythropyga "ó" c" pg ingevgf"urgekgu"htq o gtn{ "kpenwfgf"kp"vjg"urgekgu"eq o rngz" Ph. leucapsis="dgukfgu"vjg"Lk|gtum²" jqt{ "RNC"cnuq"tgeqtfgf"kp"xctkquw"rctvu"qh"vjg"E|gej" Tgrwdnke="hqqf" rncpv"Salix aurital"0

Pristiphora breadalbanensis "ó" cp"ctevqcnrkpg"urgekgu"qewwtkpi"kp"vjg"Crnu."Ectr cvj kcpu" *Tqngt"gv"cn0"4228+"cu" ygnm"cu"kp"Uecp fkpckc="gzenwukxg"Łp fki" o c f g"kp"vjg"Lk|gtum²" jqt{ " RNC"*Tc-gnkp-k-v "Lk|gt{ "Pcvkpen" Pcvwtn" Tgugtxg." Occkug"vter+="hqqf" rncpv"wpmpq y p0

Pristiphora coactula "ó" cp"ctevqcnrkpg"urgekgu"qewwtkpi"kp"vjg"Crnu."Ectr cvj kcpu" *Tqngt"gv" cn0"4228+"cu" ygnm"cu"kp"Uecp fkpckc="gzenwukxg"Łp fki" o c f g"kp"vjg"Lk|gtum²" jqt{ "RNC"*U o tm" Ov0." Occkug"vter+="hqqf" rncpv"wpmpq y p0

Pristiphora confusa "ó" c" ykfgn{ " fkuvtkdwvfgf" pg ingevgf"urgekgu="dgukfgu"vjg"uwvf{ "ctgc" *Ht fncpv"tg ikqp"cpf"Nkdgtge/Xguge+"cnuq"tgeqtfgf"kp"qvjgt"rctvu"qh"vjg"E|gej" Tgrwdnke="hqqf" rncpvu"Salix caprea, S. cinerea, S. aurita.

Pristiphora insularis "ó" c" ykfgn{ " fkuvtkdwvfgf."dvw"pg ingevgf"urgekgu="dgukfgu"vjg"Lk|gtum²" jqt{ "RNC"cnuq"tgeqtfgf"kp"qvjgt"rctvu"qh"vjg"E|gej" Tgrwdnke="hqqf" rncpvu"Rosa ur r0

40"Vjg"rtgkxqwu{ "rwdnkujg"Łtuv"tgeqtfu"htq"vjg"E|gej" Tgrwdnke" o c f g"kp"vjg"uwvf{ "ctgc"<

Dolerus brevicornis "ó" c" ykfgn{ " fkuvtkdwvfgf" j { i t r j k n q w u"urgekgu"htq o gtn{ "kpenwfgf"kp"vjg" urgekgu"eq o rngz"D. asper cwev{="dgukfgu"vjg"Lk|gtum²" jqt{ "RNC"cnuq"tgeqtfgf"kp"qvjgt"rctvu" qh"vjg"E|gej" Tgrwdnke" *Oceg m"422 : +0

Dolerus liogaster schneideri "ó" c" dqtgqcnrkpg"uwdu rgekgu"mpq y p"htq o "Uecp fkpckc="dgukfgu" vjg"Lk|gtum²" jqt{ "RNC"cnuq"tgeqtfgf"kp"vjg"Mt^nkem "Up flp m" P P T" cpf" Qtnkem²" jqt{ "RNC" *Oceg m"422 : +0

Pachynematus omega "ó" c" dqtgqcnrkpg"urgekgu="dgukfgu"vjg"Lk|gtum²" jqt{ "Ovu"cnuq"tgeqtfgf" kp"vjg"Mt^nkem "Up flp m" P P T" cpf" Qtnkem²" jqt{ "RNC" *Oceg m"4228+0

Taxonus alboscutellatus "ó" c" xgt{ "nqecn" o qpvcpg"urgekgu="dgukfgu"vjg"Lk|gtum²" jqt{ "RNC" cnuq"tgeqtfgf"kp"vjg"qvjgt"Uwfgvgu" o qwpvcvku" *Lgugp m{ "RNC." Qtnkem²" jqt{ "RNC." Mtmqpg-g" PR+*Oceg m"422 : += "Filipendula ulmaria" cpf "Rubus idaeus" ctg"vjg"Łtuv"tgeqtfgf" hqqf" rncpvu" qh"vjg"ku"urgekgu

50"Vjg"Łtuv"tgeqtfu"htq"Dqjg o kc<

Pristiphora parva "ó" c" ykfgn{ " fkuvtkdwvfgf"urgekgu"cuuqekcvgf" ykvj "urtweg" *Picea+= "dgukfgu" vjg"Lk|gtum²" jqt{ "Ovu"cnuq"tgeqtfgf"kp"qvjgt"rctvu"qh"Dqjg o kc0

Pristiphora pseudodecipiens"ó"y kfgn{"fkuvtkdwwgf"urgekgu"cuuqekcvgf"ykvj"urtweg"**Picea*+="dgukfgu"vjg"Lk|gtum²"jqt{"Ovu"cnuq"tgeqtfgf"kp"qvjgt"rctvu"qh"Dqjg okc0

Pristiphora tetrica"ó"nqecn"urgekgu"cuuqekcvgf"ykvj"o crngu"**Acer* ur r0+="dgukfgu"vjg"Lk|gtum²"jqt{"cnuq"tgeqtfgf"kp"qvjgt"rctvu"qh"Dqjg okc0

60"Vjg"rtgkqwun{"rwdnkujgf"Łtuv"tgeqtfu"ht"Dqjg okc"o c f g"kp"vjg"uwvf{"ctgc<

Dolerus genucinctus"ó"y kfgn{"fkuvtkdwwgf="dgukfgu"vjg"Lk|gtum²"jqt{"RNC"cnuq"tgeqtfgf"kp"qvjgt"rctvu"qh"vjg"E|gej"Tgrwdnke="hqgf"rncpvu"*Equisetum* ur r0"*Ocegm"422 : +0

Empria immersa"ó"y kfgn{"fkuvtkdwwgf="dgukfgu"vjg"Lk|gtum²"jqt{"RNC"cnuq"tgeqtfgf"kp"qvjgt"rctvu"qh"vjg"E|gej"Tgrwdnke="hqgf"rncpvu"*Salix caprea*, *S. aurita*, *S. cinerea*)

70"Vjg"qvjgt"ukipkŁecpv"tgeqtfu<

Pseudohemitaxonus sharpi"ó"cxgt{"tctg"Gwtqukdgtkcp"urgekgu"Łtuv"tgeqtfgf"kp"vjg"E|gej"Tgrwdnke"d{"Ocegm"4228+"kp"y guvgtp"Dqjg okc"*Uqmqqx"dcukp+="vjku"dgkpi"vjg"ugeqpf"tgeqtf"htqo"vjg"E|gej"Tgrwdnke0

Eopsis beaumonti"ó"cxgt{"nqecn"o qpvcpg"urgekgu."kp"vjg"E|gej"Tgrwdnke"mpqyp"htqo"vjg"Mtmaqpg-g"PR"qpn{"="vjkudgkpi"vjg"ugeqpf"tgeqtf"htqo"vjg"E|gej"Tgrwdnke="nctxcg"dwtqy"kp"vjg"uvgo"u"qh"*Polygonum bistorta*"*Dgpg-"kp"nkvv0+0

Tenthredo cunyi"ó"cxgt{"dqtgqcnrkpg"urgekgu="kp"vjg"E|gej"Tgrwdnke"qeewtkpi"kp"jki j"cnkvwfgu"qh"vjg"Uwfgvgu"o qwpvcipu"*Mtmaqpg-g."Lgugp"m{"+"qpn{"="nctxc"cpf"kvu"dkqqi {"="wmpqyp0

