

X um{v}pgvqr t "tqfw"*Pipistrellus* v Libereckém kraji

Qeewtgppeg"qh"dcvu"qh"vjg"igpwu"*Pipistrellus*"kp"vjg"Nkdgtge"TGikqp

Fcpkgn"JQT f GM

Uc o gvqx^a"943."E \ "ó"682"28"Nkdgtge"8="g/ o ckn" fcpkgn⁰jq tcegm B xqnp{0e | "

Abstract."Tguwvu"qh" c"uwtxg{"qh"*Pipistrellus* dcvu"kp"vjg"Nkdgtge"TGikqp"cpf"kvu"gp xktqpu"wukpi"cp"mwvtcuqwpf" fgvgvqt"ctg"rtgugpvgf⁰"kp"vqvc." :98" tgeqtfkpi u" ygtg"eqmgevgf"cv"38;"ukvgu"*Pipistrellus pipistrellus* ycu"qdugtxgf" cv"385"ukvgu."*P. pygmaeus* cv"64"ukvgu"cpf"*P. nathusii* cv"49"ukvgu⁰ Ocu"qh" tgeqtfgf"qeewtgppeg"qh"vjgug"urgekgu"ctg" cwcejgf⁰"

Mg{ yqt fu< dcvu. "*Pipistrellus pipistrellus*, *Pipistrellus pygmaeus*, *Pipistrellus nathusii*."mwvtcuqwpf" fgvgvqt." Nkdgtge"TGikqp."E |gej" Tgrwdke." fkuvtkdwkqp

—XQF

X"rqungfpfej"ngvgej"ug"xg"x |mw o w"pgvqr t "uv"ang" cuv lk"wrncv wlg"o qpkvqt kpi"rq o qe"⁰ wvntc |xwmqx²jq" fgvgmvqtw."mvg t " r gx^af⁰ x{|uqmghtgm xgp p⁰ jncu{"pgvqr t "fq"un{-kvgnp²/ jq"urgmvtc" c"pcx⁰e" w o qfl wlg"lgkfej" fcn-⁰ cpcn |w" r q o qe"⁰ urgekcnk |q xcp ej" uqhvyctqx ej" p^auvtql 0"X |jngfg o "m"vq o w."flg"pgvqr k" o cl⁰qdx{mng"ftwj qx "urgek⁰em² jncuqx² r tqlgx{." lg"o qflp² cpcn |qw"lgkfej"gejqnqmc pfej"ukip^an "lgfpp|pc p "rtqm^a |cv"x um{v" fcp ej"ftwj " xg"ungfqxcp²" qdncuvk⁰ F gvgmeg"vcn" x |pc o p "tq|-k wlg" o qflpquv^k x |mw o w"pgvqr " hcwp{" uwwfqxcp²jq"tgikqpw⁰

lgf p⁰ o " |pgf^axppq qfnk-gp ej"ftwj "lg" *Pipistrellus pygmaeus*."mvg t "d{n" qf"ftwj w" *P. pipistrellus*"tq|nk-gp"pc" |^amncf "tq|fnw"vgt o kp^anpfej"htgm xgp e"⁰gejqnqmc pfej"jncu 0"R k'cpc/ n |g"jncu "fq o p n²jq"*P. pipistrellus*"d{nq" |lk-v pq."flg"p mvg "lgf kpek" o cl⁰vgt o kp^anpfej"htgm xgp e"⁰ 67"m J |"c"lkp⁰77"m J |"*C jn²p"3; ; 2-" \kpi i"3; ; 2-"Dctnq y" ("Lqpgu"3; ; ; +0" Qdc"ftwj {"luqw"uk" o qthnqikem{" |pc p "rqfqdp²"c"lgkfej"tq|nk-gp"⁰lg"xgn o k"qdv⁰flp²0"Urqng jnkx²"qfnk-gp"⁰w o qfl/ wlg" cpcn |c" FPC"*Dcttcv gv"cn⁰3; ; 7+"pgdq"gejqnqmc pfej"jncu "*P. pipistrellus*"ó"67"m J |." *P. pygmaeus*"ó"77"m J |+0"X um{vg o "qdqw"ftwj "pc" w |g o "⁰Tug" |cd xcnk"r gfgx-⁰ o " gj^am"gv"cn⁰ *4226."4227+0"X um{v"ftwj w"*P. pipistrellus*"d{n"rtqm^a |^ap"pc"egn² o "À |g o "⁰T" o k o q x{|uqm/ jqtum ej" rqnqj."*P. pygmaeus*"ug" x{|um{vwlg" r gfgx-⁰ o "x" pkl-fej" rqnqj^aej." cuvq"urqng p " u"r gfejql⁰ o "ftwjg o⁰

Tqxp fl"v gv"⁰ftwj."lgjqfl"tq|-⁰ gp⁰ o "x"Nkdgtgem² o "mtcl"ug" |cd x^a"vcvq"rt^aeg."*Pipistrellus nathusii*."lg"upc fppq"qfnk-kvgnp " rqnqj" x{|jngf^axce⁰fej"gejqnqmc pfej"ukip^an ."pgdq "lgkfej" xtejqnqx^a"htgm xgp e"⁰lg"5: "m J |"*Lc jgmqx^a"4225+0

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Ungfqxcp²"À |g o "⁰ |c jtpwlg"egn "Nkdgtgem "mtcl"u"r gucj{" o k o q"lgjq"jtcpek" |f xqfw" |cejqx^ap⁰ egnkuvxquk"⁰ p mvyt ej"qdcnucv⁰ "pcr 0" gum²jq"t^alg⁰

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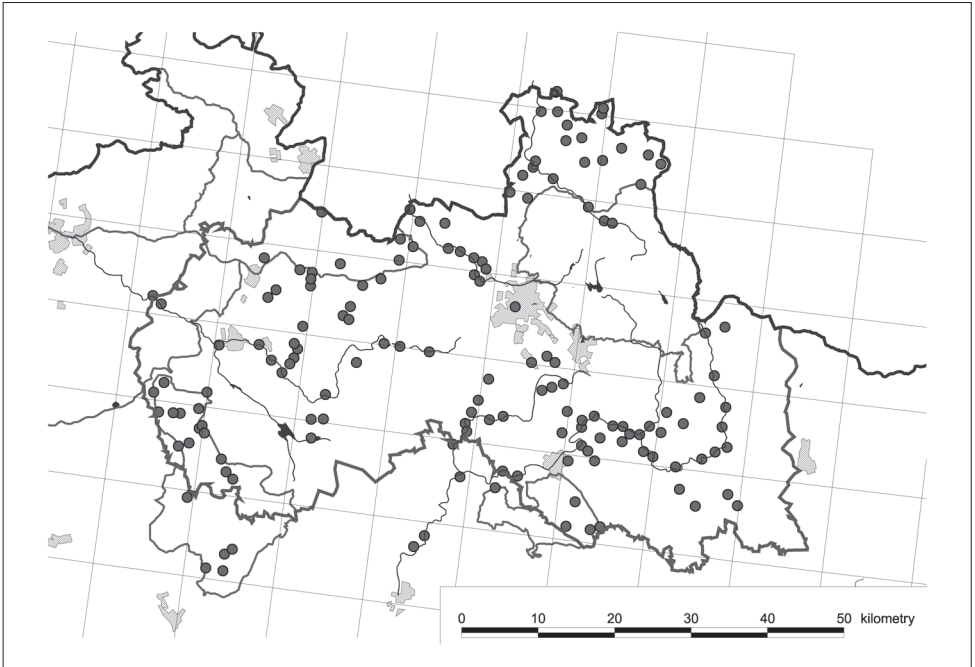
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Egmg o' d { n q' r q' f | g p q' 3' 87 ; ' p c j t^a x m . ' | p k e j f l' d { n q' r q' c p c n | g' x' n q w' g p f' p c j t^a x m { ' g e j q n q m c p f e j' u k i pⁿ ' r c v' f e f' l k p o' t q f o' p g v q r' t' c' p c j t^a x m { ' r c v' f e f' | u v w r e o' t q f w' P i p i s t r e l l u s . ' w' m v g t e j' p g d { n q' o q f l p² r t x² u v' l g f p q | p c' p q w' f g y g t o k p e c k' f q' A t q x p' f t w j w 0' X' m c f l f² p c j t^a x e g' d { n q' x' | j q f p p e q x^a p q' 56 : ' p g l m x c n k v p' l - f e j' . r q' u q d' l f q w e f e j' g e j q n q m c p f e j' u k i pⁿ 0' X - g e j p { ' v' k' f t w j { ' t q f w' P i p i s t r e l l u s' l u q w' u p c f p q' t q | n k - k y g a p² r q o q e f' t q | f' n p² h t g m / x g p e g' g e j q n q m c p f e j' j n c u' u' o' c z k o' n p f' o' o' p q f l u x f' o' g p g t i k g^a h o' c z - c' P . p i p i s t r e l l u s' 6' 6666 ; ' m J | . ' P . p y g m a e u s - p c f' 73' J' | c' P . n a t h u s i i - f q' 64' m J | * L e j g m m q x^a 4225+0' R q m w f' h o' c z' f q u c j q x c n c' o' g l p f e j' j q f p q' o' g l' w x g f g p o' t q | j t c / p f' o' . d { n c' p c j t^a x m c' r q x e f l q x c p^a } ' c' p g l f p q | p c' p q w' c' x' | c | g p c 0' X' v² v q' r t^a e k' l g' v g f { ' x' | j q f p p e q x^a p q' : 98' p c j t^a x m g' l g f p q v n x e j' f t w j' t q f w' P i p i s t r e l l u s' p c' 38 ; ' u w c p q x k - f e j' * P . p i p i s t r e l l u s - 992' p c j t^a x m g' . P . p y g m a e u s - ; 8' p c j t^a x m g' c' P . n a t h u s i i - 58' p c j t^a x m g' . r k g o f l' x' l g f p² p c j t^a x e g' d { n k' x g' 43' r' f r c f g e j' u r q g p' P . p i p i s t r e l l u s' u' P . p y g m a e u s . ' x g' v' g e j' r' f r c f g e j' P . p i p i s t r e l l u s' u' P . n a t h u s i i' c' x' l g f p q o' r' f r c f' x - g e j p { ' v' k' f t w j { + 0

X UNGFM [C"FKUMWUG

Pipistrellus pipistrellus'ug'x {um {vwlg' r t c m v k e m { ' p c' e g n² o' A | g o f' N k d g t g e m c' m t q o' ' x { - f e j' j q t u m e j' r n q n j' x' l k | g t u m e j' j q t^a e j' c' M t m q p q - f e j' 0' X' l k o m q w' l g' | c | p c o g p^a p f' v q j q v q' f t w j w' x' q u c f' l k | g t m c' x' l k | g t u m e j' j q t^a e j' x' p c f o q' u m² x' - e g' : 84' o' * V 0' D e t v a p k m c . r g t u 0' e q o' 0+0' V q v q' t q | - f' g p f' d { n q' | p^a o' q' l k f' r' g f' q' n k - g p f' o' f t w j w' P i p i s t r e l l u s' p y g m a e u s * D e t t c w' g v' c n 0' 3 ; ; 7 - ' D e t n q y' (' L a p g u' 3 ; ; ; - ' U g p f q t' g v 0' c n 0' 4224+0' R q f n g' r t | m w o' ' r t g | g p v a x c p e j' x' v² v q' r t^a e k' l g' P . p i p i s t r e l l u s' p g l j q l p' l - f' o' f t w j g o' t q f w' p c' N k d g t g e m w 0' D { n | l k - v' p' e g n m g o' p c' 385' u n g f q x c / p e j' u w c p q x k - v f e j' * v c d 0' 3 . q d t 0' 3 + c' l g j q' u k i pⁿ { ' v x q' k n { : 7' ' ' x - g e j' p c j t^a x m g' | a' u v w r e' t q f w' P i p i s t r e l l u s . r q' f | g p e j' x' n g v g e j' 4227-422; 0''

X um {v' f t w j w' P i p i s t r e l l u s' p y g m a e u s' p g d { n' p c' N k d g t g e m w' f q' t q m w' 4227' w x^a f' p * g j^a m' g v' c n 0' 4226 . 4227+0' R q r t x² | f g' d { n | c u v k f l g p' 530' m x' v p c' 4227' p c' d' g j w' g m { ' l k | g t { ' r q d n' f l' q d e g' T e m q w u { ' w' V w t p q x c 0' P^a u n g f w l' e f' o' x' | m w o g o' d { n q' | l k - v' p q . f l g' l g' r q o' t p' j q l p' x' R q l k | g' q' q f' U g o k n' c f l' r q' f q n p f' v m' c' x' g u m² o' t' l k 0' X' u m { v' d { n' v c m² r t q m^a | p' p c' g u m q n k r u m w . m f g' d { n' r q r t x² | l k - v' p' 80kZ04228' x' r' t q f p f' t g | g t x c e k' M n f' * C p f' t c' (' J c p^a m' 4229+0') o k' q x c p' r t x p f' p' a n g' | d { n' f q' v² v q' r t^a e g' | c | c | g p . r' g u v f l g' u r c f' a' n' k f l' o' k o' q' q d f q d' n g v p' j q' x' u m { v w' c' o' q j n q' l f' v' q' o k i t w l' e f' j q' l g' f k p e g 0' N g v p f' x' u m { v' v q j q v q' f t w j w' p c' g u m q n k r u m w' d { n' r q | f' l k' r q v x t | g p'

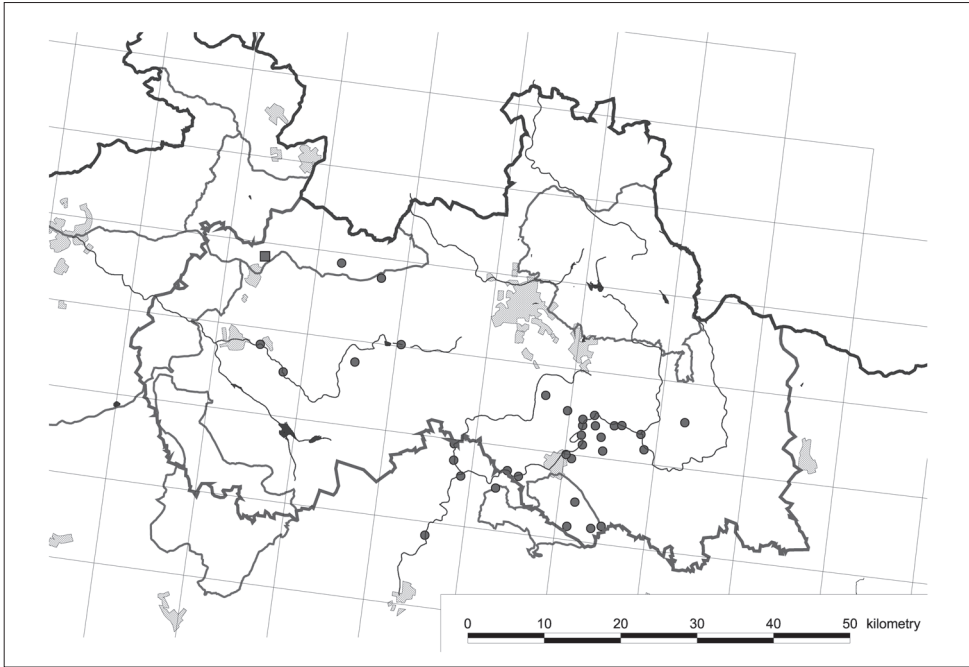


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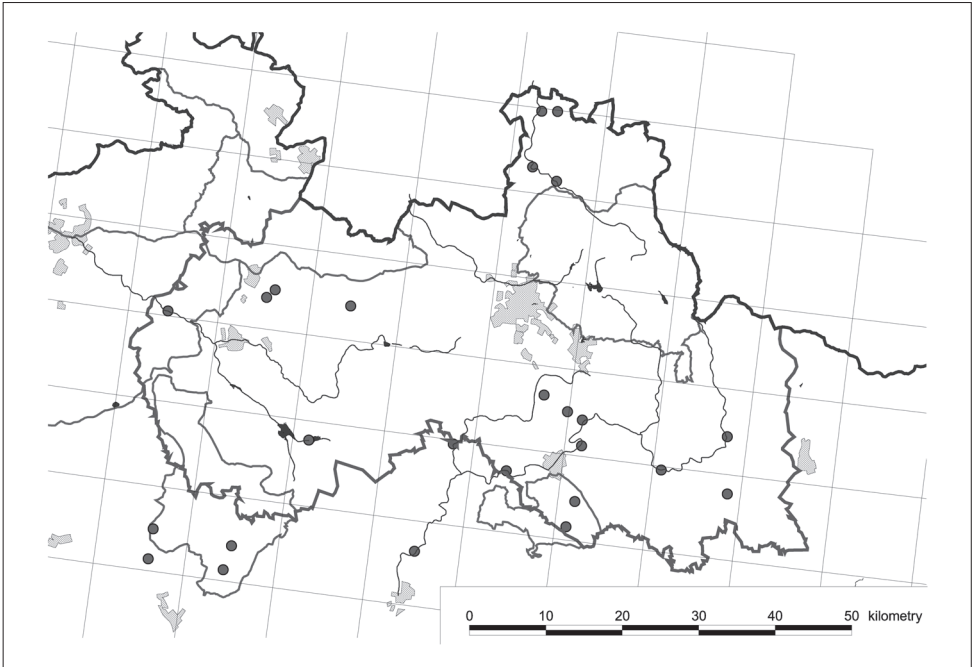
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NKVGTCVWTC

C J N | P°K0'3 ; ; 2°<Kf g p k L e c v k p q h' d c v u' k p' h k i j' 0' U y g f k u j' U q e k v { ' h q t' v j g' E q p u g t x c v k p q h' P c w t g . ' U v q e m j q n o . ' 7 7 ' r r 0
 C P F T C' O 0' (' J C P f M' X 0' 4 2 2 9 < C m c u' t q | - f g p' u x e ' x' g u m' 2' t g r w d n k e g' 6' R g f d f l p' a' x g t / g 0' X 0' N g v q w p k' * E j k t q r v g t c +
 6' " u w' 5 0' P g v q r t a x k v' * X g u r g t v k n k p k f c g' 6' X g u r g t v k n k . ' G r v g u k e w u . ' P { e v c n w u . ' R k r k u v t g m w u' c' J { r u w i q = 0' * C m c u' q h'
 v j g' O c o o o c n u' q h' v j g' E | g e j' T g r w d n k e' 6' c' R t q x k u k a p c n' X g t u k a p 0' X 0' D e v u' * E j k t q r v g t c + 6' R e t v' 5 0' X g u r g t v k n k p k f'
 d c v u' * X g u r g t v k n k p k f c g' 6' I g p w u' X g u r g t v k n k . ' G r v g u k e w u . ' P { e v c n w u . ' R k r k u v t g m w u' c p f' J { r u w i q = 0' P' a' t q f p' | o w | g w o ."
 R t c j c . ' 3 9 4' r r' * k p' E | g e j . ' G p i n k u j' u w o o c t { + 0
 D C T N Q Y' G 0' (' L Q P G U' I 0' 3 ; ; < T q q u u . ' g e j q n q e c v k p' e c m m u' c p f' y k p i' o q t r j q n q i { ' q h' v y q' r j q p k e' v { r g u' q h' R k r k u v t g m w u'
 r k r k u v t g m w u 0' \ g k v u e j t k h v' h A t' U 0' w i g v g t m w p p f g . ' 8 6 < 4 7 9 / 4 8 : 0
 D C T T C V' G 0' O 0 . ' D T W H Q T F' O 0' Y 0 . ' D W T N C P F' V 0' O 0 . ' L Q P G U' I 0 . ' T C E G | ' R 0' C 0' (Y C | P G' T 0' M 0' 3 ; ; 7 < E j e t c e /
 v g t k | c v k p q h' o k v q e j a p f t k c n' F P C' x c t k c d k n v { ' y k v j k p' v j g' o k e t q e j k t q r v g t c p' i g p w u' R k r k u v t g m w u < c r r t q e j g u' c p f'
 c r r n k e c v k p u 0' U { o r q u k c' q h' v j g' / q n q i k e c n' U q e k v { ' N a p f a p . ' 8 9 < 5 9 9 / 5 : 8 0
 J Q T f G M' F 0' (' X i V f G M' \ 0' 4 2 2 ; < P q x' 2' f t w j { ' p g v q r t " p c' g u m q n k r u m w 0' D g / f / . ' g u m' a' N f r c . ' 3 : < 4 ; 5 / 4 ; 9 * k p'
 E | g e j + 0
 L C J G N M Q X f' J 0' 4 2 2 5 < R g j n g f' c' u t q x p' a' p f' g e j q n q m c p f e j' c' u q e k' a' p f e j' u k i p' a' n " v { ' g x t q r u m e j' f t w j' p g v q r t' t q f w'
 R k r k u v t g m w u' * E j k t q r v g t c' X g u r g t v k n k p k f c g' 6' T g x g y' c p f' e q o r c t k u a p' q h' v j g' g e j q n q e c v k p' c p f' u q e k c n' e c m m u' k p'
 h q w t' G w t q r g c p' d e v' u r g e k u q h' v j g' i g p w u' R k r k u v t g m w u' * E j k t q r v g t c' X g u r g t v k n k p k f c g' 6' N / p z . n . s . ' 5 6 < 3 5 / 4 : * k p'
 E | g e j . ' G p i n k u j' u w o o c t { + 0
 R T W P G T' N 0' (' O' M C' R 0' 3 ; ; 8 < U g | p c o' q d e' f' c' l g l k e j' ' a u f' x' g u m' 2' t g r w d n k e g' u' f u n { ' o c r q x e j' r q n' r t q' u f' q x' 2'
 o c r q x' a' p f' h c w p { 0' * N k u v' q h' u g w n g o g p w u' k p' v j g' E | g e j' T g r w d n k e' y k v j' c u u q e k v g f' o c r' L g n f' e q f g u' h q t' h c w p k u w e' i t k f'
 o c r r k p i' u { u g o = 0' M n c' c n g m k e p c . ' 5 4 * U w r r n 0 < 3 / 3 3 7 * k p' E | g e j . ' G p i n k u j' u w o o c t { + 0
 G J f M' \ 0' 4 2 2 3 < V j g' r t q r q u c n' q h' c' o q f k L e c v k p q h' d c v / f g v g e v q t p i' k p' v j g' L g n f 0' P k g v q r g t / g . ' 4 * 4 < 4 2 ; / 4 3 4 0



Qdt0'50'Ocrc'x um{vw'ftwjw'Pipistrellus nathusii'pc'Nkdtgemw0
 Hki0'50'Ocr'qh'qewttgpeg'qh'Pipistrellus nathusii'kp'vjg'Nkdtge'Tgikqp0

GJ fM"\0."DCTVQPK MC"V0."D&GKNM"C0."I CKUNGT"L0."J CP fM"X0."J QT f GM"X0.LC JGNMQX f"J0."MQWFGN/
 MC"O0."NW CP"t0."PQX f"R0."TGKVTG"C0" (" \ WMCN"L0"4226<"Fkuvtkdweg'pgvqr t "Rkrkuvtnmwu'rkrkuvtnmwu"
 c'R0" r { i ocgwu" x" gum2" tgrwdnkeg<" r gfd flp2" x ungfM { " ocrqx" p0" UdqtpfM "\ qqnikem2" fpl." Dtpq." 4226<
 426/427*"kp"E |gej +0

GJ fM"\0."DCTVQPK MC"V0."&"D&GKNM"C0"4227<"Fkuvtkdwwkp"qh"Rkrkuvtnmwu'rkrkuvtnmwu"cpf"R0" r { i ocgwu"kp"vjg"
 E |gej "Tgrwdnke." r r0"48/490"Kp<"J GDFC" I0"*gf0-<"Cdwttcevu"qh"3;"th"Qiqpqrqnumc"Maphgtpelc"Ejktqrvgtqng-
 ike/pc."Rqmt/{ypc0"Wpkxgtukvgv"Qrqnumk."72"r r0

UGPFQT"V0."TQGFPGPDGEM"X0."J CUORN"U0."HGTTGT"O0" ("UKOQP"O0"4224<"Tgxkukqp"qh"oqtrjqnqikecn'kfgp/
 vkLecvqp"qh"rkrkuvtnng"dcv"rjqple"v { rgu"*Rkrkuvtnmwu'rkrkuvtnmwu"Uejtgdtg."3996+0"O/qku. Dqpp. 62<"33/390

UEJ OKFV"E0"4229<"Uw o gt"fkuvtkdwwkp"qh"Rkrkuvtnmwu'rkrkuvtnmwu."R0" r { i ocgwu"cpf"R0"pcvjwukk"kp"vjg"Qdgtnewukv |"
 Oqwpvckpu"cpf"vjg"Qdgtnewukv |" rqp f"ncpfuecrg"ctgcn"o"rtgnk o kpc t { "tguwvu0"Vjktf"Kpvtgpcvkpcn"Eqphgtgpeg"
 o" Dcvu"qh"vjg"Uwfgv"Oqwpvckpu." I 3/4tkv |."4229<"59/640"

TMGHTQX f" F0" ("DW K "\. "3; ; <"Pqx2"p"ng | { "pgvqr tc"rotmqx2"jq"*Rkrkuvtnmwu"pcvjwukk+"xg"x e j q f p e j" gej * e j 0"
 *Pg y "tgeqftfu"qh" Pcvjwukwu0"dcv"*Rkrkuvtnmwu"pcvjwukk+"kp"gcuvgtp" Dqjg o kc *E |gej "Tgrwdnke"0" N/pz."n. sl."4; <
 323/324*"kp"E |gej."Gpiku j"uw o oct { +0

\KP I I "R0" G0"3; ; 2<"Cmwuvkuejg" CtvkfgpvkLmcvqp"xqp"Hngfgt o @wugp *Oco o cnk."Ejktqrvtgc+"kp"fgt"Uej y gk |0" Tgxwg"
 Uwkuug"fg" \qqnikg." ; 9<"485/4; 60

UWO OCT [

Dcvu"qh"vjg" igpwu" Pipistrellus ygtg" o qpkvqtgf" wukpi" cp" wntcuqwpf" fgvgevt" *Rgwgtuqpp"
 F462z+"kp"vjg" Nkdtge"tg ikqp"kp"4227-422; 0" Cnn"ge j qnqecvqp"ecnmu" ygtg"tgeqftgf"cpf"ncvgt"
 cpcn | { gf" wukpi"vjg"urgekcnk |gf"uqhv y ctg"vqqn" Dcvuqwpf"50220"Vjg" o qpkvqtgpi" y cu"ecttkgf"qww"

uvtkavn{"kp"vjg"rgtkqf"htqo"okf"Oc{"vq"vjg"gpf"qh"Lwn{0"kp"vqvcn.":98"tgeqtfkpiu"htqo"38;"ukvgu"
ygtg"cpnc{ugf"*P. pipistrellus –"992"tgeqtfkpiu"cv"385"ukvgu."P. pygmaeus –";8"tgeqtfkpiu"cv"
64"ukvgu."P. nathusii –"58"tgeqtfkpiu"cv"49"ukvgu+0

Vjg"eqmngvfg"fcvc"uwi iguv"P. pipistrellus vq"kpjcdkv"vjg"y jqng"ctgc"qh"vjg"Nkdgtge"tgikqp0"
Cm"vjg"uvwfkgf"urgekgu"qh"vjg"igpwu"Pipistrellus"qeewt"u{ o rcvtkecm{"kp"vjg"nqygt"gnxgcvkqp"
rctvu"qh"vjg"tgikqp"ykvj"vjg"gzegrwkqpu"qh"vjg"Ht fncpv."Jt^afgm"cpf"Ejtcuvcxc"uwttqwpfkpiu."
htqo"y jgtg"P. pygmaeus"ku"eqo rngvgn{"cdugpv0"P. nathusii"ycu"tgeqtfgf"cv"vjg"okffng"cpf"
nqygt"tgejgu"qh"vjg"Lk|gtc."Rnqw pkeg"cpf"Uo f^a"tkxgtu."cdqxs"Łuj rqpfu"kp" gum "t^aI"cpf"kp"
vjg"uwttqwpfkpiu"qh"vjg"D gj{p "Łuj rqp"pgct"vjg"vqyp"qh"fqmu{0

Vedll'3l'R g jng f'inqmnik'fwj j "tq'w'Pipistrellus"x'Nldtgem'2'o'ntclll' OR'ó' f'und' o'crqx'2;j' r'qng' "Rtwpgt" ('O'fmc'3 ; ;8-#
 Vedll'3l'Nkuv' qh'iqecikivgu' qh'ur'gekgu' qh'v'j' g' i'gpwul' Pipistrellus' "p'v'j'g'Nldtge' "Tg'ikqll' IUP' ó' t'kt'f'uswctg'pw'odgt' "Rtwpgt" ('O'fmc'3 ; ;8-#

OR' IUP	Qdge'U'gving' o' gpv	Diqvq'f' J'cdkvc	F'ew' o'U'F'v'g	P. pipistrellus	P. pygmaeus	P. nathusii
6;78	F'qnp'Q'rif' f'	kpvcxln'a'p	4;:lXkll'4227	+	/	/
6;78	J'cdctkcg	kpvcxln'a'p	42lX'kll'4228	+	/	/
6;78	J'cdctkcg	t{dp'f'm	42lX'kll'4228	+	/	/
7278	C'p'qmkcg	kpvcxln'a'p	4;:lXkll'4227	+	/	/
7278	D'w'q'xmc	kpvcxln'a'p	4;:lXkll'4227	+	/	/
7278	g'p'q'wul'	qu'c'f'c'X'R'q'ik'	6lX'kll'4227	+	/	+
7278	g'p'q'wul'	t{dp'f'm'F'wd'a'm	6lX'kll'4227	+	/	/
7278	Ht'f'nc'p'v'	kpvcxln'a'p	3;:lXkll'4227	+	/	+
7278	Ht'f'nc'p'v'	g'nc'U'o' f'a	3;:lXkll'4227	+	/	/
7278	Ht'f'nc'p'v' J'ctvc	ngv	32lXkll'4228	+	/	+
7278	J'cdctkcg	q'ntcl'nguc	42lX'kll'4228	+	/	/
7278	Mt'a'up' 'Ngu	nq'o	4;:lXkll'4227	+	/	/
7278	Mt'a'up' 'Ngu	t{dp'f'm' "t'q'wd'a'm	4;:lXkll'4227	+	/	/
7278	Mw'p'tc'w'cg	kpvcxln'a'p	6lX'kll'4227	+	/	/
7278	R'g'v'q'mkcg	G'f'gt' x't{dp'f'm	42lX'kll'4228	+	/	/
7279	F'v'le'j'q'x'ge	R'q'w'ngem' "q'd'q'tc' t{dp'f'm	32lXkll'4228	+	/	/
7279	F'qnp'f' cup'leg	kpvcxln'a'p	3;:lXkll'4228	+	/	/
7279	J'q'p'f' cup'leg	kpvcxln'a'p	37lXkll'4227	+	/	/
7279	L'k'p'f'le'j'q'x'leg' "r'q'f'U'o'tmg'o	kpvcxln'a'p	37lXkll'4227	+	/	/
7279	P'q'x'2'O' uv'q'r'q'f'U'o'tmg'o	kpvcxln'a'p	3;:lXkll'4228	+	/	/
7375	F'qnp'U'x' v'ia	RR'D'ic' umc	36lX'kll'4229	+	/	/
7376	F'qnp'f'U'g'f'ng	R'q'r'q'x'c'um'a'ic	3;:lXkll'4229	+	/	/
7376	J't'f'gm'p'c'f'P'lu'q'w'/"M'tkuv' pc	cv'q'r'gp' "r'f'um'q'x'pc	36lX'kll'4229	+	/	/
7376	T'f'p'q'mkcg'/"R'q'ng'f'	m'q'w're'nk'v'	3;:lXkll'4229	+	/	/
7377	D'ln' "M'q'uv'g'p'c'f'P'lu'q'w	g'nc'P'luc	;lX'kll'4229	+	/	/
7377	D'f'ln' "M'q'uv'g'p'c'f'P'lu'q'w	g'nc'P'luc	36lX'kll'4229	+	/	/
7377	I't'cd'-'g'l'p	t{dp'f'm	6lX'kll'4229	+	/	/
7377	J'q'p'f'U'g'f'ng	kpvcxln'a'p	4;:lXkll'4229	+	/	/
7377	J't'f'gm'p'c'f'P'lu'q'w	kpvcxln'a'p	4;:lXkll'4229	+	/	/
7377	E'j't'eu'c'x'c	kpvcxln'a'p	3;:lXkll'4229	+	/	/
7377	E'j't'eu'c'x'c	t{dp'f'm'{"x'q'dek	44lX'kll'4229	+	/	/

7377	Ocejɪp	t{dp}m Qmɔ	90X004229	+	/	/
7378	F v lejqx	lɪptɛxln ^a p	4:0X004228	+	/	/
7378	J g ocpleg	t{dp}m	4:0X004228	+	/	/
7378	Tɛurgɛxc	lɪptɛxln ^a p	4:0X004229	+	/	/
7379	D _m "Rɔiqm	lɪptɛxln ^a p	40X00422:	+	/	/
7379	J gpleg	lɪptɛxln ^a p	4:0X004229	+	/	/
7474	Uvct ^m cejqx	t{dp}m	520X04229	+	/	/
7474	fɪcpfɔx	gmc'Rɔiqw pleg	520X04229	+	/	/
7475	Exlnqɔx	Exlnqɔxum t{dp}m	4:0X00422:	+	/	/
7475	Exlnqɔx	lɪptɛxln ^a p	4:0X00422:	+	/	/
7475	Ftpɔxge	RR'Fw ^a in ^a o gp	4:0X00422:	+	/	/
7475	Nɪpfɛxc	lɪptɛxln ^a p	4:0X00422:	+	/	/
7475	Unqwr ^a x" gej ^a ej	lɪptɛxln ^a p	470X0422;	+	/	/
7475	Unqwr ^a x" gej ^a ej	Tɛfx ^a pgem t{dp}m	470X0422;	+	/	/
7475	Svor	xtej "Mɪf" uw qɔtumɔ	80Z04228	+	+	/
7475	Xgɛgpleg	f mc'Uxln ^a xmc	380X004229	+	/	/
7476	Dɪpl ^a -v	L ^a ej { oqx. lɪptɛxln ^a p	450X00422:	+	/	/
7476	Dɪpl ^a -v	xtej "Vɔwɔwge. ɪgu. ɪqo	450X00422:	+	/	/
7476	J g ocpleg'x'Rɔfɪg-v fɪ	PRT'ɪgɪx ^a f'xtej ^a	360X004229	+	+	/
7476	Lɔdɪqpp ^a x'Rɔfɪg-v fɪ	On pum t{dp}m	430X004229	+	/	/
7476	Nɔqx ^a	l ^a o gm'Ng o dɔtm	360X004229	+	+	/
7476	Pɔxɪp { 'rɔf ^a Tɛumɔg o	rt txc'Rɔiqw pleg	450X00422:	+	/	/
7476	Uv ^a fɪ' rɔf ^a Tɛumɔg o	Jɔtgem t{dp}m	430X004229	+	/	/
7477	Cpf num ^a Jɔtɛ	gmc'Pluc	520X004229	+	/	/
7477	J c o t' p c' l g l g g	J c o t u m t { d p } m	430X004229	+	+	/
7477	Ocejɪp	gmc'Pluc' rɔf ^a jɔtɛg o' J c o t - ɪ g p	60X004229	+	/	/
7478	ɪg o cpleg	retm. t{dpl gm	390X00422:	+	/	/
7478	Nɪdɔtse"	lɪptɛxln ^a p	380X00422:	+	/	/
7478	Oɪɪf g	lɪptɛxln ^a p	390X00422:	+	/	/
7478	T ^a fɪq	lɪptɛxln ^a p	390X00422:	+	/	/
7478	T ^a fɪq	RR'T ^a fɪq'pc'fɪmqwrcnk-v o	390X00422:	+	/	/
747:	J ɛtcejqx	egpɪw o	530X00422:	+	/	/
747:	J ɛtcejqx	gmc'ɪkɪ gtc	450X04229	+	/	/
747:	Lɔdɪqɔge'pc'fɪ'ɪkɪ gɔw	lɪptɛxln ^a p	450X04229	+	/	/
747:	Tqm { pleg'pc'fɪ'ɪkɪ gɔw	lɪptɛxln ^a p	450X04229	+	/	/
7574	Dɪfɪgɔx fɪ {	lɪptɛxln ^a p	390X04227	+	/	/

7579	Tenqwu{	kpvtcxln ^a p	530X04227	+	+	/
7579	Tenqwu{	RT ^o Dw lp{ ^w Tenqwu	530X04227	/	+	/
7579	Tenqwu{	gmc ^{Lk} gtc	530X04227	+	+	+
7579	Ug o lin{	kpvtcxln ^a p	450X04229	+	/	/
7579	Ug o lin{	gmc ^{Lk} gtc	450X04229	+	+	+
7579	Uot ʃ	kpvtcxln ^a p	520X0422:	+	+	/
7579	Ur ^a niqx	uqwwqm ^{Lk} gt{ ^c Mc o gpleg	440X04229	+	+	/
7579	Ur ^a niqx	uqwwqm ^{Lk} Mc o gpleg ^c Xq ^{-o} gp f{	440X04229	+	+	/
7579	\ dktqj {	j tcf	320X00422;	/	+	/
7579	\ dktqj {	kpvtcxln ^a p	320X00422;	/	+	/
7579	fiŋg p "Driqf	Fx ^l mc." gmc ^{Lk} gtc	440X04229	+	+	/
7579	fiŋg p "Driqf	gmc ^{Lk} gtc	440X04229	+	+	/
757:	Dgpq-qx ^w Ug o lin	gmc ^{Lk} gtc	450X04229	+	/	/
757:	Dq inqx	kpvtcxln ^a p	530X000422;	/	/	/
757:	F qnp ^ʃ U {vqx ^a	gmc ^{Lk} gtc	450X04229	+	/	/
757:	J gmcqxleg	gmc ^{Lk} gtc	450X000422;	/	/	/
757:	J qtp ^ʃ U {vqx ^a	Uvcitqx gum ^o riqqm	530X000422;	+	+	/
757:	J qtp ^ʃ U {vqx ^a	kpvtcxln ^a p	450X04229	+	/	/
757:	J tcf unq	uqwwqm ^{Lk} gt{ ^c Lk gtm{	450X04229	+	/	/
757:	Lguqpp	gmc ^{Lk} gtc ^o rqt ^ʃ j tcf go ^o P ^ʃ luv lmc	450X04229	+	/	/
757:	Nqwmqx	kpvtcxln ^a p	530X000422;	+	/	/
757:	Rqplim ^a	kpvtcxln ^a p	450X04229	+	/	/
757:	X{uqm ² pc ^f Lk gtqw	gmc ^{Lk} gtc	450X04229	+	/	+
7674	F qnp ^ʃ J g o ^a pm{	kpvtcxln ^a p	530X000422;	+	/	/
7674	F gx leg	RR ^o J wic	390X04227	+	/	/
7674	J g o ^a pm{	kpvtcxln ^a p	3:0X04227	+	/	/
7674	Nj qvc	Oetw ^ʃ pm ² luv p{	3:0X04227	+	/	/
7674	Nqwd ^ʃ	kpvtcxln ^a p	3:0X04227	+	/	/
7674	Rexnik m{	Nqwdum ^o F ^o n	3:0X04227	+	/	/
7674	Umcimic	j tcf l-v ^o a ^o r	490X0004227	+	/	/
7674	Vw j ^a	kpvtcxln ^a p	390X04227	+	/	/
7675	Dg-inqx	Vw j ^a p e ^ʃ t{dp ^ʃ m	490X0004227	+	/	/
7675	Fwd ^o	Dg-mqxum ^o f ^o n	490X0004227	+	/	/
7675	Nj qvc	kpvtcxln ^a p	490X0004227	+	/	/
7675	Tq rtge j tkeg	kj c fnc	490X0004227	+	/	/
7676	D g j {p	t{dp ^ʃ m	490X0004227	+	/	/
		D g j { um ^o t{dp ^ʃ m	460X0004227	+	/	+

7677	Dw lpuuq	rɣqm' Oqj gmc	3: IX(04229	+	+	+
7677	Oqj gpkleg'pɛ'f'lk gɛqɥ	rɣqm' Oqj gmc	3: IX(04229	+	+	/
7677	Oqj gpkleg'pɛ'f'lk gɛqɥ	uqwm' Oqj gmn' c'lk gɛt	3: IX(04229	+	+	/
7678	D g kpc	t{ dp'jn' f'icdcmqt	350X(04229	+	+	/
7678	R f -qxleg	r'fumuɣp{	350X(04229	+	+	/
7678	R f -qxleg	gmc'lk gɛc	350X(04229	+	+	+
7679	D n ^a	kpɛɛɛɛɛ'p	30X(04222:	+	+	/
7679	J twd ^a Ujn ^a nc	J twdqucunum ² umncp' o uɥ	30X(04227	+	+	+
7679	J twd ^a Ujn ^a nc	t{ dp' m{	30X(04227	+	+	+
7679	J twd ^a Ujn ^a nc	l ^a o gm	30X(04227	+	+	/
7679	Mqmq f	jɛɛ' Tqɥ-ɣp	30X(04222:	+	/	/
7679	Mt maɣleg	t{ dp'jn' X fl ^a m	3: 0X(04227	+	+	+
7679	Mqɣ ^a	kpɛɛɛɛɛ'p	330X(04222:	+	+	/
7679	Vɛquɣɣleg	jɛɛ' Vɛquɣ{	30X(04227	+	+	/
7679	Vwɣpɣx'	Vluɣxnc. c jɛɛf {	320X(0422;	/	+	/
767:	Mq- ^a iqx	rɣqm' Qig-nc	420X(0422:	/	/	/
767:	Mtwj	kpɛɛɛɛɛ'p	420X(0422:	/	/	/
767:	Mtwj	t{ dp'jn	420X(0422:	/	/	+
767:	Nkd- ^a v	kpɛɛɛɛɛ'p	420X(0422:	/	/	/
767:	Nkd- ^a v	rɣqm' Qig-nc	420X(0422:	/	/	/
767:	Tq vqm{ w' l'kg o p'leg	iqwmc	420X(0422:	/	/	/
7774	Nkd ej qɣ	uqwm' Nkd ej qɣm{ c' N'cdg	4: IX(04227	/	/	+
7774	Og fɣpqu{	rɣqm' Nkd ej qɣmc	4: IX(04227	+	/	/
7774	fɣɣ'	j ^a lqɣpc	4: IX(04227	/	/	+
7775	Mqmq f'p	Mqmq f'pum " f n	480X(04227	+	/	+
7775	Mqmq f'p	kpɛɛɛɛɛ'p	480X(04227	+	/	/
7775	X{uqm ^a	J cɛuɣɣ. t{ dp'jn	480X(04227	/	/	+
7775	X{uqm ^a	kpɛɛɛɛɛ'p	480X(04227	+	/	/
7777	Oci ^a D n ^a	gmc'lk gɛc	350X(04229	+	+	/
7777	\x' g'leg	jɛɛf	350X(04229	+	/	+

