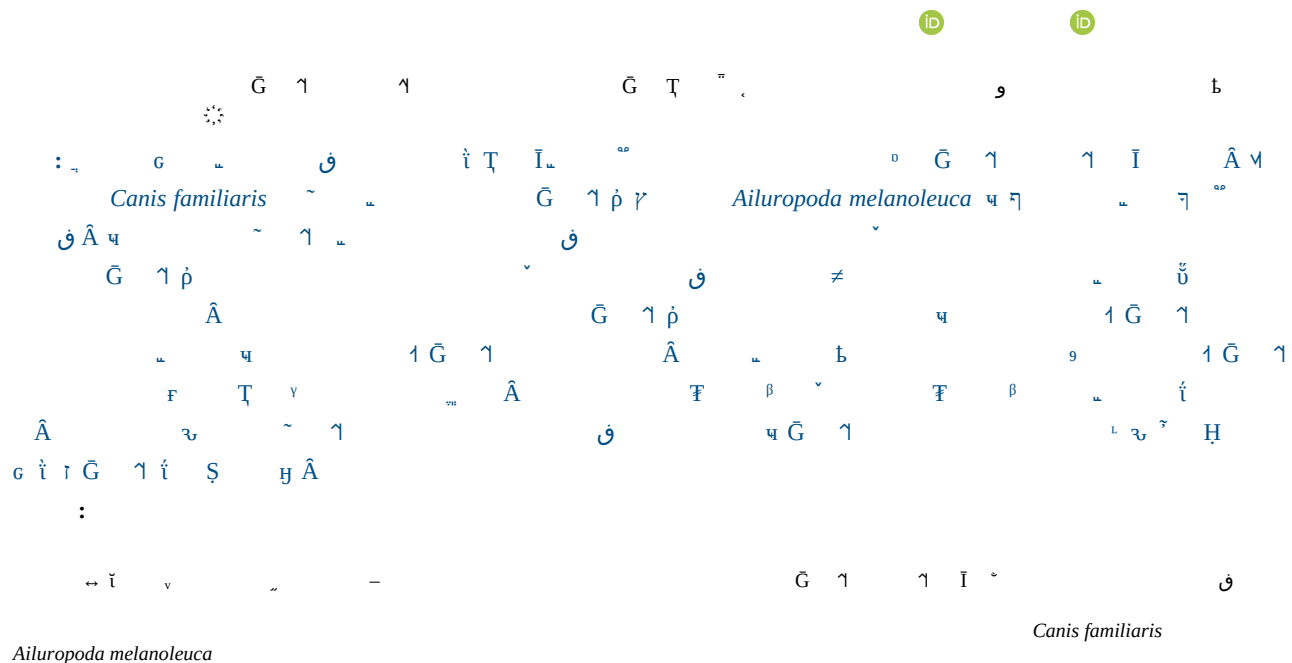




The spatio-temporal impact of domestic dogs (*Canis familiaris*) on giant panda (*Ailuropoda melanoleuca*) in Baishuijiang National Nature Reserve

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ABSTRACT

Aims:

$$\bar{G} \quad \gamma \quad \gamma \quad \bar{I} \quad \circ$$

ف

$\bar{h}$ $\bar{u}$ $\bar{G}$ γ $\bar{u}$ $\bar{h}$ $\bar{c}$
 $\bar{u}$ T $\bar{h}$ $\bar{u}$ $\bar{G}$ γ 1
 $\bar{G}$ γ $\bar{p}$ N_0 $\bar{u}$
 $\bar{b}$ g 0 T
 ∞ $\bar{u}$ γ γ $\bar{u}$ $\bar{G}$
 L $\bar{G}$ $\hat{A}$

1

$$\begin{array}{ccccccc}
& & \bar{G} & \gamma & ' & ' & ' \\
& ' & \beta & G & \gamma & & \bar{G} & \grave{a} & \Psi \\
& \bar{G} & \grave{a} \leftrightarrow & \bar{G} & \grave{a} & \bar{G} & \grave{a} & ' \\
\bar{G} & \grave{a} & & \bar{G} & \vee & \bar{I} & T_1 & \\
& & \hat{A} \bar{G} & \gamma & & & & \grave{a} \\
T_1 & \gamma & & & \parallel & \gamma & & \\
\gamma & & \hat{A} & \gamma & & N_1 & & \\
& & & & & & & \hat{A}
\end{array}$$

2

2.1

2.1.1

[illegible]

2.1.2 GPS

$\bar{I}$

$$\begin{array}{ccccccc} \mathcal{I} & r & & \mathrm{Lu} & & \mathbb{T} & \\ \mathfrak{b} & & r & & \mathbb{V} & & \\ & \hat{\mathbf{A}} & & & & \bar{\mathbf{G}} & \gamma \\ \gamma & & & \delta & & \bar{\mathbf{I}} & \mathbb{F} \quad \gamma \\ \sim \mid \bar{\mathbf{G}} & \gamma \dot{\rho} & & " \delta & & \mathfrak{C} & \\ & \mathfrak{C} \grave{\text{a}} \Psi & & \mathfrak{C} \grave{\text{a}} \leftrightarrow & & \mathfrak{C} \grave{\text{a}} & \mathfrak{C} \grave{\text{a}} \\ , & \mathfrak{C} \hat{\mathbf{A}} & & . & \mathfrak{q} & \beta & \\ \grave{\text{a}} & \grave{\text{a}} & \grave{\text{a}} & \mathcal{U} \grave{\text{a}} & & \mathsf{H} & \hat{\mathbf{A}} \\ & & & & & \mathbb{L} & \bar{\mathbf{G}} \quad \mathfrak{b} \\ & & & & & \beta & \mathsf{H} \quad \Psi \\ & & \mathfrak{D} \mathbb{T} & & \mathbb{F} & \beta & \mathbf{h} \quad \mathfrak{C} \\ & \delta & & & & \mathbf{X} & \grave{\text{i}} \quad \Delta \\ \perp & \mathbb{H}_\infty & & \beta & \hat{\mathbf{A}} & & \end{array}$$

2.2

2.2.1

$\mathfrak{a}$ $\sim$ γ $\mathfrak{u}$ $\mathfrak{v}$
 N_0 $\hat{A}$ $\mathfrak{c}$ $\mathfrak{u}$ β
 γ $\mathfrak{a}$ β
 $\hat{A}$ $\mathfrak{z}$ $\mathfrak{H}$ $\|$ γ $\grave{a}$ $\grave{a}$
 $\grave{a}$ $\grave{a}$ $\grave{a}$
 $\mathfrak{b}$ $\mathfrak{u}$ 1 $\hat{A}$ $\grave{\imath}$ $\mathfrak{T}$ $\grave{a}$ $\grave{a}$
 $\grave{a}$ $\mathfrak{c}$ $\bar{G}$ γ $\neq$
 β $\mathfrak{T}$ $\acute{\imath}$ $\mathfrak{F}$
 3 $\hat{A}$ 1 $\mathfrak{v}$
 $\mathfrak{T}$ N_0 $\mathfrak{X}$ γ $\mathfrak{T}$ $\hat{A}$
 $\mathfrak{b}$ $\mathfrak{u}$ 1 $\sim$ $\mathfrak{T}$ $\hat{A}$
 0 $\mathfrak{b}$ $\mathfrak{v}$ $\grave{\imath}$ $\mathfrak{Y}$
 $\%$ $\mathfrak{v}$ $\mathfrak{y}$
 $\hat{A}$

2.2.2

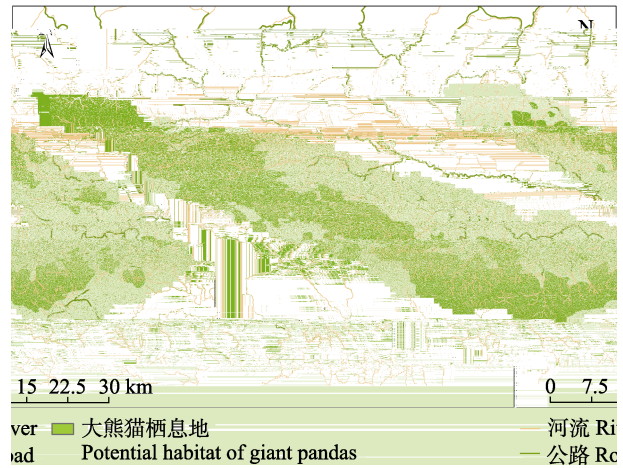
2.2.2

1

Г 1 1 I °

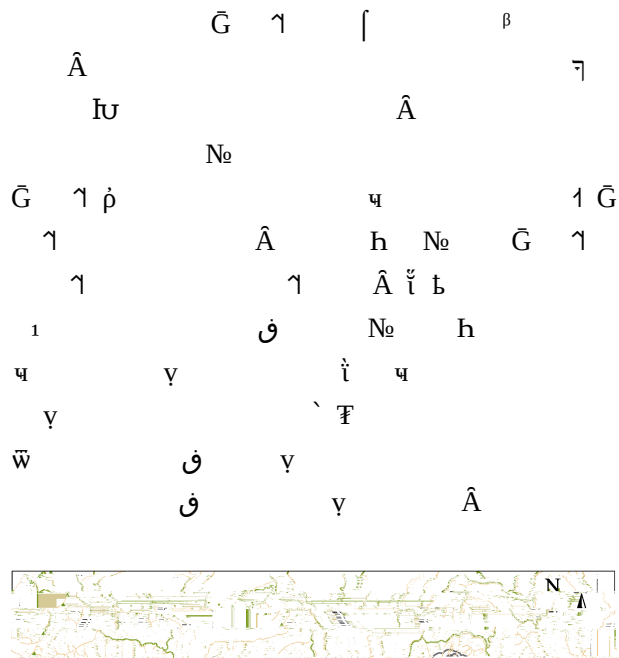
9

7 \ \Psi 9
 No ч H β \ ^
 β ^ X H Д Й
 \ ^ a 9 Δ
 9 | n 9
 ^ 3
 X | 9 ^ No
 % No T
 ^

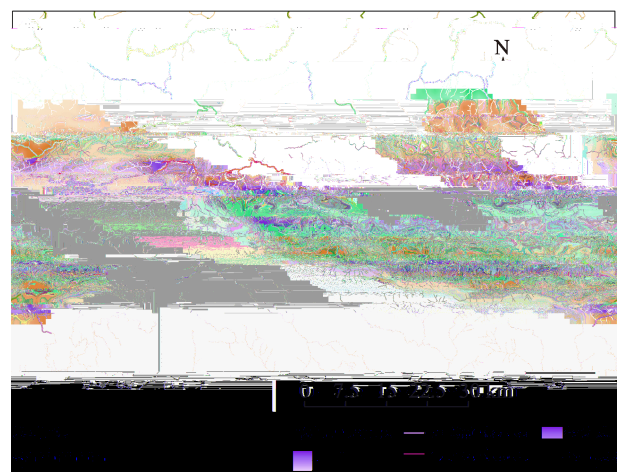


3

3.1



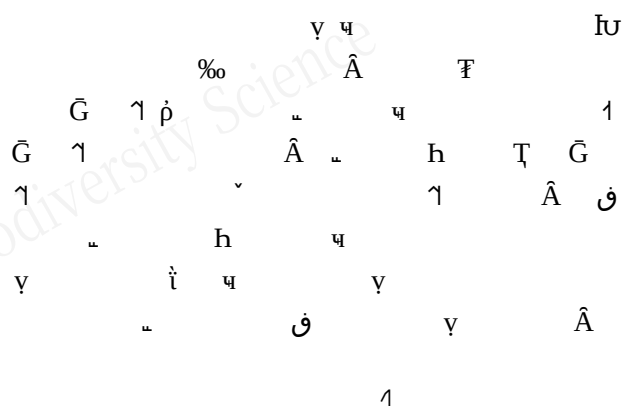
2



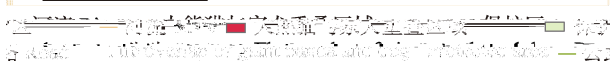
3 18 GPS

3.2

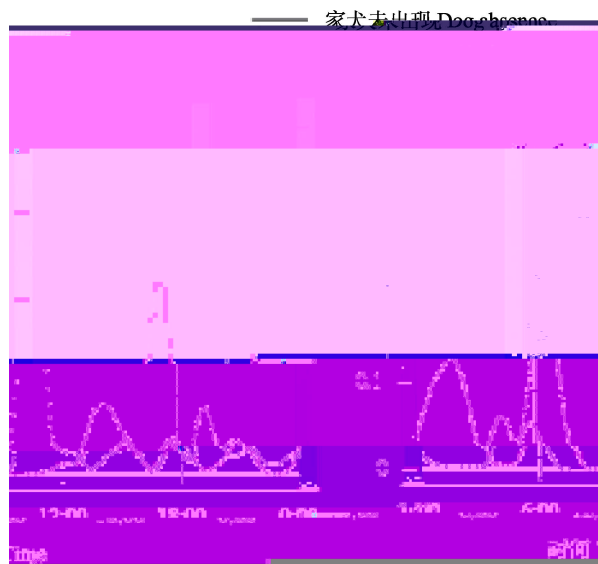
1



ف



4



)

$P < 0.05$

P

3.3

$$\begin{array}{ccccccc} & & \mathfrak{b} & & \mathfrak{c} & & \mathsf{T} \\ \neq & \dot{\mathfrak{i}} & & & & & \\ & & 9^+ & & & & \\ & & & & & & \\ \mathfrak{c} & & \mathfrak{b} & & 9 & \mathsf{N}_9^\beta & \mathfrak{g} \bar{\mathsf{G}} \\ \gamma \dot{\rho} & \dot{\mathfrak{i}}_9 & \gamma & & \Psi & & 1 \\ & & & & & & \\ & & & & 1 \bar{\mathsf{G}} & \gamma & \hat{\mathsf{A}} \end{array}$$

3.4

$$\mathbf{F} \quad \beta \quad \mathbf{F} \quad \mathbf{h}$$
$$\begin{array}{ccccccc} \Gamma & G & & \hat{A} & & \beta \\ & & \text{" } H & \Gamma & G & & i \\ \Delta & C & & F & H & H & P \vee C \\ & D & Y & & & & \hat{A} \end{array}$$
[illegible]
$$\begin{array}{ccccccc} & & \vee & & & & \\ \gamma & \bar{H} & & \bar{G} & \gamma & \bar{C} & \gamma & \bar{I} & & \bar{G} & \gamma & \bar{\rho} \\ & \vdots & & \vee & & \vdots & & & & \hat{A} \end{array}$$
[illegible]
$$\begin{array}{ccccccc} & & \vdots & & & & \\ & L & \chi & & & & \hat{A} \\ [& & N_0 & & 1 & @ & \bar{G} \end{array}$$
$$\begin{array}{ccccccc} \gamma & & \hat{A} & \eta & & & \\ & \bar{G} & \gamma & N_0 & & \sim & 1 \\ & & \hat{A} & & h & N_0 & g \bar{G} \gamma \end{array}$$
$$\begin{array}{ccccc} \mathbb{T} & & \vee & & \neg & & \exists & & \vee & & \mathbb{H} & & \mathbb{F} \\ & & \bar{w} & & & & \hat{A} & & & & \mathbb{T} & & \end{array}$$

ᠶ	ᠤ	ᠨᠡ	ᠠ	ᠪ
ᠶ	ᠪ	ᠢ	ᠨᠡ	ᠨᠡ

$$\bar{G} \quad \approx \quad \int \quad \mathcal{F} \quad \bar{W} \in \eta$$

$\bar{b}$ $\bar{a}$ $\bar{a}'$ $\bar{a}$ $\bar{i}$ $\bar{r}$ $\bar{A}$ $\bar{G}$
 $\bar{b}$ $\bar{q}$ $\bar{u}$ $\bar{G}$ $\bar{W}$

$$\begin{array}{ccccccc} \ddot{\mathfrak{i}} & \mathfrak{T} & \hat{A} & & & & \\ \mathsf{N}_0 & \mathfrak{r} & \mathfrak{b} & \mathfrak{u} & \mathfrak{i} & \sim & \\ \mathfrak{T} & \ddot{\mathfrak{o}} & \mathfrak{i} & \mathfrak{T} & \mathfrak{y} & \mathfrak{u} & \\ \bar{G} & \mathfrak{r} & \dot{\mathfrak{z}} & \bar{w} & \mathfrak{A} & & \end{array}$$
$$\bar{I} \quad \bar{T} \quad h \quad \bar{G} \quad \gamma \quad \dot{\rho} \quad \gamma$$
$$P_H = \frac{1}{2} \left(\frac{1}{\bar{w}} + \frac{1}{\hat{A}} \right)$$

1

G 1 1 I *

9

Canis familiaris

1 0h 5 G 1

familiaris

Canis lupus

melanoleuca

Ailuropoda

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y

K ä K

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