# Dataset for banded snake phylogeny

## data/snake\_diet\_phylogeny.csv

### Variables descriptions

superfamily: Taxonomic ranking at the level of superfamily;

family: Taxonomic ranking at the level of family;

genus: Taxonomic ranking at the level of genus;

species: Taxonomic ranking at the level of species;

species\_name: Binomial nomenclature for species (as Genus-species);

species\_tree: Scientific name to match the phylogeny names;

pattern\_type: Categorised body pattern types in the study: blotchy, bold vertical pattern, diamond, banded stripe, stripe-line, uniform, uniform with spots, or zig-zag;

band\_bin: Binary consisting of 2 states: 0 = no banded stripes, 1 = banded stripes;

ophiophagy: Indicates whether the species is Ophiophagus (No or Yes);

ophiophagy\_bin: Binary consisting of 2 states: 0 = no ophiophagy, 1 = ophiophagy;

state: Numeric values indicating 4 evolutionary states: 1 = no bands and no ophiophagy, 2 = bands and no ophiophagy, 3 = no bands and ophiophagy, 4 = bands and ophiophagy.

amphibian: Whether prey item is present in the snake’s diet. Yes or No

snake: Whether prey item is present in the snake’s diet. Yes or No

lizard: Whether prey item is present in the snake’s diet. Yes or No

fish: Whether prey item is present in the snake’s diet. Yes or No

insect: Whether prey item is present in the snake’s diet. Yes or No

annelid: Whether prey item is present in the snake’s diet. Yes or No

arthropod: Whether prey item is present in the snake’s diet. Yes or No

crustacean: Whether prey item is present in the snake’s diet. Yes or No

mollusc bird: Whether prey item is present in the snake’s diet. Yes or No

bird\_egg: Whether prey item is present in the snake’s diet. Yes or No

reptile\_egg: Whether prey item is present in the snake’s diet. Yes or No

mammal: Whether prey item is present in the snake’s diet. Yes or No

unknown: Whether prey item is present in the snake’s diet. Yes or No

## data/bandy\_exp\_data.csv

### Variables descriptions

experiment: Numeric values indicating experiment type: 1 = adult vs normal hatchling, 2 = adult vs patternless hatchling, 3 = adult vs painted patternless hatchling, 4 = adult vs random painted patternless hatchling, 5 = adult vs corn snake hatchling, 6 = adult vs painted corn hatchlings;

date: Date when the experiment was performed (day/month/year);

adult\_source: Numeric values indicating collection source (detail on source in the Supplementary Information);

adult\_ID: Unique individual identifier of the adult test subject;

adult\_mass: Weight (g) of the adult test subject;

adult\_svl: Snout-vent-length (cm) of the adult test subject;

adult\_sex: Sex of the of the adult test subject;

hatchling\_source: Numeric values indicating collection source (detail on source in the Supplementary Information);

prey\_species; The species of the prey individual;

juvenile\_ID: Unique individual identifier of the juvenile prey subject;

juvenile\_mass: Weight (g) of the juvenile prey subject;

juvenile\_SVL: Snout-vent-length (cm) of the juvenile prey subject;

pattern: Pattern type of the of the juvenile prey subject;

painted: Indicates whether the prey subject was painted or not (No or Yes);

pred\_attempt: Indicates whether predation occurred (No or Yes);

pred\_attempt\_bin: Binary whether predation occurred (0 = No or 1 = Yes);

time\_to\_attack\_s: Time taken to strike prey subjects (s).