

# Nomenclature in the online reptile trade

VANESSA J. LYNN, DAVID L. ROBERTS

**SUPPLEMENTARY MATERIAL 1** Complete definitions of each name type used to group the language recorded in adverts.

**Abbreviation:** Following the *Oxford English Dictionary (OED)* definition of the term: ‘a shortened form of a word or phrase’ (OED, 2021), typically shortened by removing a small number of letters or words, for instance, ‘corn’ for ‘corn snake’, or ‘Burm’ for ‘Burmese python’.

**Acronym:** Following the *OED* definition of the term: ‘A group of initial letters used as an abbreviation for a name or expression, each letter or part being pronounced separately’ (OED, 2021). For instance, ‘GTP’ for ‘green tree python’.

**English common name:** any English vernacular name regularly found in use online to refer to a species, for instance, ‘leopard tortoise’.

**Morph name:** any word or phrase commonly used to refer to certain phenotypes (known as ‘morphs’) of a reptile species, for instance, the word ‘platinum’ in the phrase ‘platinum reticulated python’.

**Scientific name:** any binomial taxonomic name, currently or formerly accepted as referring to the advertised species, according to the Reptile Database taxonomy (Uetz et al., 2021), for instance, ‘*Phelsuma grandis*’.

**Slang:** Following the *OED* definition of the term: ‘The special vocabulary or phraseology of a particular calling or profession’, or similarly, ‘language of a highly colloquial type’ (OED, 2021). For instance, ‘crestie’ for ‘crested gecko’.

SUPPLEMENTARY MATERIAL 2 List of all species recorded in adverts, grouped by family, showing number of adverts in which each species was recorded.

Agamidae

*Acanthosaura capra*: 2  
*Pogona vitticeps*: 66  
*Pogona henrylawsoni*: 3  
*Intellagama lesueurii*: 5  
*Physignathus cocincinus*: 3  
*Acanthocercus minutus*: 1  
*Chlamydosaurus kingii*: 2  
*Hydrosaurus amboinensis*: 1  
*Trapelus savignii*: 1  
*Uromastyx ornata*: 1  
*Uromastyx nigriventris*: 1  
*Uromastyx ocellata*: 1

Anguidae

*Abronia taeniata*: 1

Boidae

*Acrantophis dumerili*: 3  
*Boa constrictor*: 32  
*Boa constrictor amarali*: 1  
*Boa constrictor constrictor*: 2  
*Boa constrictor imperator*: 19  
*Boa constrictor longicauda*: 1  
*Candoia paulsoni*: 1  
*Corallus hortulana*: 1  
*Epicrates alvarezi*: 1  
*Epicrates cenchria*: 8  
*Epicrates maurus*: 1  
*Eryx colubrinus*: 7  
*Eunectes murinus*: 3  
*Eunectes notaeus*: 2  
*Lichanura trivirgata*: 2  
*Sanzinia madagascariensis*: 1

Carettochelyidae

*Carettochelys insculpta*: 2

Carphodactylidae

*Nephrurus wheeleri*: 2  
*Nephrurus levis levis*: 1  
*Underwoodisaurus milii*: 1

Chamaeleonidae

*Furcifer pardalis*: 14  
*Chamaeleo calyptratus*: 8  
*Kinyongia boehmei*: 1  
*Trioceros cristatus*: 1  
*Trioceros hoehnelii*: 1  
*Trioceros jacksonii*: 3  
*Trioceros jacksonii xantholophus*: 2

Chelidae

*Emydura subglobosa*: 1

Chelydridae

*Macrochelys temminckii*: 1

Colubridae

*Bogertophis subocularis*: 1  
*Boiga cyanea*: 1  
*Boiga dendrophila dendrophila*: 2  
*Boiga dendrophila gemmicincta*: 2  
*Boiga dendrophila latifasciata*: 1  
*Boiga irregularis*: 1  
*Boiga kraepelini*: 1  
*Boiga melanota*: 1  
*Boiga nigriceps*: 1  
*Coelognathus helena*: 1  
*Elaphe quatuorlineata*: 1  
*Elaphe schrenckii*: 2  
*Elaphe taeniura*: 1  
*Elaphe taeniura callicyanous*: 2  
*Elaphe taeniura friesi*: 3  
*Elaphe taeniura taeniura*: 1  
*Euprepiophis mandarinus*: 2  
*Gonyosoma oxycephalum*: 3  
*Hemorrhois hippocrepis*: 1  
*Heterodon nasicus*: 15  
*Hydrodynastes gigas*: 5  
*Lampropeltis abnorma*: 1  
*Lampropeltis alterna*: 1  
*Lampropeltis californiae*: 6  
*Lampropeltis getula nigrita*: 7  
*Lampropeltis leonis*: 1  
*Lampropeltis mexicana*: 1  
*Lampropeltis nigra*: 1  
*Lampropeltis polyzona*: 7  
*Lampropeltis pyromelana*: 2  
*Lampropeltis stuarti*: 1  
*Leptodeira annulata*: 1  
*Oreocryptophis porphyraceus coxi*: 1  
*Pantherophis alleghaniensis lindheimeri*: 1  
*Pantherophis emoryi*: 1  
*Pantherophis guttatus*: 71  
*Pantherophis spiloides*: 3  
*Philodryas baroni*: 2  
*Pituophis catenifer affinis*: 1  
*Pituophis catenifer annectens*: 1  
*Pituophis catenifer sayi*: 3  
*Pituophis melanoleucus lodingi*: 1  
*Scolecophis atrocinctus*: 1  
*Thamnophis eques obscurus*: 1  
*Thamnophis eques scotti*: 1

*Thamnophis marcianus*: 2  
*Thrasops occidentalis*: 1  
*Toxicodryas blandingii*: 2  
*Zamenis longissimus*: 2  
*Zamenis scalaris*: 2  
*Zamenis situla*: 2

#### Corytophanidae

*Basiliscus basiliscus*: 1  
*Basiliscus plumifrons*: 1  
*Corytophanes cristatus*: 1  
*Corytophanes hernandesii*: 1

#### Crotaphytidae

*Crotaphytus collaris*: 2

#### Dactyloidae

*Anolis barbatus*: 3  
*Anolis biporcatus*: 1  
*Anolis porcus*: 1

#### Diplodactylidae

*Correlophus ciliatus*: 66  
*Correlophus sarasinorum*: 2  
*Eurydactylodes vieillardii*: 1  
*Mniarogekko chahoua*: 15  
*Oedura castelnaui*: 1  
*Rhacodactylus auriculatus*: 17  
*Rhacodactylus leachianus*: 11

#### Emydidae

*Chrysemys picta marginata*: 1  
*Clemmys guttata*: 2  
*Emys orbicularis*: 5  
*Graptemys flavimaculata*: 1  
*Graptemys pseudogeographica kohnii*: 1  
*Terrapene carolina major*: 1  
*Terrapene carolina triunguis*: 1  
*Trachemys grayi*: 1

#### Eublepharidae

*Eublepharis angramainyu*: 1  
*Eublepharis fuscus*: 1  
*Eublepharis macularius*: 49  
*Goniurosaurus hainanensis*: 4  
*Goniurosaurus orientalis*: 1  
*Hemitheconyx caudicinctus*: 3

#### Gekkonidae

*Ailuronyx trachygaster*: 1  
*Gekko gecko*: 4  
*Hemidactylus triedrus*: 1  
*Lepidodactylus lugubris*: 5  
*Lygodactylus luteopicturatus*: 1

*Lygodactylus williamsi*: 4  
*Paroedura picta*: 2  
*Phelsuma borbonica*: 1  
*Phelsuma grandis*: 6  
*Phelsuma inexpectata*: 1  
*Phelsuma klemmeri*: 1  
*Phelsuma laticauda*: 2  
*Phelsuma madagascariensis kochi*: 1  
*Phelsuma quadriocellata*: 1  
*Uroplatus henkeli*: 1  
*Uroplatus phantasticus*: 1  
*Uroplatus sikorae*: 4

#### Geoemydidae

*Mauremys rivulata*: 1

#### Gerrhosauridae

*Broadleysaurus major*: 2  
*Zonosaurus karsteni*: 1  
*Zonosaurus ornatus*: 1

#### Iguanidae

*Brachylophus fasciatus*: 3  
*Ctenosaura palearis*: 1  
*Ctenosaura quinquecarinata*: 2  
*Cyclura lewisi*: 1  
*Iguana iguana*: 4

#### Kinosternidae

*Kinosternon flavescens*: 1  
*Sternotherus carinatus*: 2  
*Sternotherus odoratus*: 11

#### Lacertidae

*Lacerta bilineata*: 1  
*Takydromus sexlineatus*: 2  
*Timon lepidus*: 2

#### Lamprophiidae

*Boaedon fuliginosus*: 3  
*Limaformosa crossi*: 1  
*Madagascarophis colubrinus*: 1

#### Opluridae

*Oplurus cyclurus*: 1

#### Phrynosomatidae

*Phrynosoma platyrhinos*: 1

#### Phyllodactylidae

*Tarentola chazaliae*: 1

#### Pseudaspididae

*Psammodynastes pulverulentus*: 1

## Pythonidae

*Antaresia childreni*: 2  
*Antaresia maculosa*: 6  
*Antaresia perthensis*: 3  
*Antaresia stimsoni*: 1  
*Antaresia stimsoni orientalis*: 1  
*Aspidites melanocephalus*: 4  
*Aspidites ramsayi*: 3  
*Bothrochilus boa*: 1  
*Liasis fuscus*: 1  
*Liasis olivaceus*: 4  
*Malayopython reticulatus*: 32  
*Morelia bredli*: 3  
*Morelia spilota*: 12  
*Morelia spilota cheynei*: 3  
*Morelia spilota mcdowelli*: 2  
*Morelia spilota spilota*: 2  
*Morelia viridis*: 10  
*Python anchietae*: 1  
*Python bivittatus*: 14  
*Python bivittatus progschai*: 1  
*Python breitensteini*: 1  
*Python brongersmai*: 3  
*Python curtus*: 1  
*Python molurus*: 1  
*Python regius*: 175  
*Python sebae*: 1  
*Simalia amethystina*: 2  
*Simalia boeleni*: 1  
*Simalia nauta*: 2

## Scincidae

*Corucia zebrata*: 1  
*Cyclodomorphus gerrardii*: 1  
*Eumeces schneiderii*: 1  
*Mochlus fernandi*: 1  
*Tiliqua scincoides*: 7  
*Tiliqua scincoides chimaerea*: 2  
*Tribolonotus novaeguineae*: 1

## Shinisauridae

*Shinisaurus crocodilurus*: 1

## Sphaerodactylidae

*Sphaerodactylus torrei spielmani*: 1

## Teiidae

*Salvator merianae*: 10  
*Salvator rufescens*: 1

## Testudinidae

*Aldabrachelys gigantea*: 2  
*Astrochelys radiata*: 1  
*Centrochelys sulcata*: 8  
*Chelonoidis carbonarius*: 4

*Geochelone elegans*: 2  
*Geoemyda spengleri*: 1  
*Indotestudo elongata*: 3  
*Kinixys spekii*: 2  
*Stigmochelys pardalis*: 5  
*Testudo graeca*: 5  
*Testudo graeca nabeulensis*: 1  
*Testudo hermanni*: 17  
*Testudo horsfieldii*: 17

## Trionychidae

*Pelodiscus sinensis*: 1

## Varanidae

*Varanus acanthurus*: 15  
*Varanus albigularis*: 2  
*Varanus beccarii*: 2  
*Varanus exanthematicus*: 7  
*Varanus gilleni*: 1  
*Varanus glauerti*: 1  
*Varanus melinus*: 1  
*Varanus niloticus*: 2  
*Varanus panoptes*: 2  
*Varanus prasinus*: 1  
*Varanus rudicollis*: 1  
*Varanus salvadorii*: 1  
*Varanus salvator*: 1  
*Varanus timorensis*: 1

## Xantusiidae

*Lepidophyma flavimaculatum*: 1

## Xenopeltidae

*Xenopeltis unicolor*: 1



<b>Location Not Stated</b>	98	57	26	42	3	4	5	147
------------------------------------	----	----	----	----	---	---	---	-----

SUPPLEMENTARY TABLE 2 Number of adverts containing each name type, for species listed under each CITES Appendix, and for type of advertiser (ie. bulk advertiser or non-bulk advertiser\*).

	English common	Morph	Abbrev.	Scientific	Acronym	Slang	Species not named	Total adverts for category
<i>CITES Appendix:</i>								
<b>Appendix I</b>	12	1	2	7	0	0	0	17
<b>Appendix II (including royal pythons)</b>	409	267	93	77	22	2	6	558
<b>Appendix II (excluding royal pythons)</b>	296	115	77	74	18	2	5	385
<b>Appendix III</b>	7	0	0	3	0	0	0	7
<i>Bulk advertiser?</i>								
<b>Yes</b>	137	73	37	43	2	11	1	304
<b>No</b>	654	362	113	119	27	17	11	790

\* 'Bulk' advertisers were defined as advertisers who offered three or more specimens in one advert, compared with non-bulk advertisers, defined as those offering only one or two specimens in a single advert.

SUPPLEMENTARY TABLE 3 Number of adverts containing each name type, for each reptile family represented in the data.

<b>Family</b>	<b>English Common</b>	<b>Morph</b>	<b>Abbrev</b>	<b>Scientific</b>	<b>Acronym</b>	<b>Slang</b>	<b>Species Not Named</b>	<b>Total Adverts</b>
Agamidae	68	26	12	8	0	8	4	<b>88</b>
Anguidae	0	0	0	1	0	0	0	<b>1</b>
Boidae	67	36	18	8	13	1	1	<b>87</b>
Carettochelydae	2	0	0	0	0	0	0	<b>2</b>
Carphodactylidae	4	0	0	3	0	0	0	<b>5</b>
Colubridae	134	75	37	33	4	2	0	<b>172</b>
Chamaeleonidae	18	7	7	5	0	0	2	<b>28</b>
Chelidae	1	0	0	0	0	0	0	<b>1</b>
Chelydridae	1	0	0	0	0	0	0	<b>1</b>
Corytophanidae	3	0	0	2	0	0	0	<b>4</b>
Crotaphytidae	2	0	0	2	0	0	0	<b>2</b>
Diplodactylidae	91	47	13	17	1	15	0	<b>113</b>
Dactyloidae	4	0	0	3	0	0	0	<b>5</b>
Emydidae	9	0	0	8	0	0	0	<b>9</b>
Eublepharidae	48	24	2	5	0	1	2	<b>59</b>
Gekkonidae	28	2	3	16	0	0	0	<b>37</b>
Gerrhosauridae	2	0	0	3	0	0	0	<b>4</b>
Iguanidae	10	1	0	4	0	0	0	<b>11</b>
Kinosternidae	12	0	0	0	0	0	0	<b>12</b>
Lacertidae	5	0	0	4	0	0	0	<b>5</b>
Lamprophiidae	4	0	0	2	0	0	0	<b>4</b>
Opluridae	1	0	0	0	0	0	0	<b>1</b>
Phrynosomatidae	1	0	0	1	0	0	0	<b>1</b>
Phyllodactylidae	1	0	0	1	0	0	0	<b>1</b>
Pseudaspididae	0	0	0	1	0	0	0	<b>1</b>
Pythonidae	205	222	37	19	8	0	1	<b>294</b>
Scincidae	11	4	3	2	2	0	0	<b>14</b>
Shinisauridae	1	0	0	0	0	0	0	<b>1</b>
Sphaerodactylidae	0	0	0	1	0	0	0	<b>1</b>



Teiidae	10	0	3	0	1	0	0	<b>11</b>
Testudinidae	53	1	17	12	0	0	2	<b>70</b>
Trionychidae	1	0	0	0	0	0	0	<b>1</b>
Varanidae	32	2	8	11	0	0	0	<b>38</b>
Xantusiidae	1	0	0	0	0	0	0	<b>1</b>
Xenopeltidae	1	0	0	0	0	0	0	<b>1</b>