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| Species  Scientific Name | Common name | Genome Assembly Number | Contig N50  (kbp) | Depth  (×) |
| *Apalone spinifera* | Spiny softshell turtle | GCA\_000385615.1 | 4.7 | 33.4x |
| *Malaclemys terrapin* | Diamondback terrapin | GCA\_001728815.2 | 437.2 | 16 |
| *Cuora mccordi* | McCord's box turtle | GCA\_003846335.1 | 74.3 | 71 |
| *Chelonoidis abingdonii* | Abingdon island giant tortoise | GCA\_003597395.1 | 73.2 | 28 |
| *Gopherus agassizii* | Agassiz's desert tortoise | GCA\_002896415.1 | 43.7 | 118 |
| *Platysternon megacephalum* | Big-headed turtle | GCA\_003942145.1 | 213.6 | 208 |
| *Crotalus viridis* | Western rattlesnake | GCA\_003400415.1 | 15.7 | 100 |
| *Vipera berus* | Adder | GCA\_000800605.1 | 11.7 | 121 |
| *Crotalus horridus* | Timber rattlesnake | GCA\_001625485.1 | 5.8 | 135 |
| *Lacerta viridis* | Green lizard | GCA\_900245905.1 | 662.5 | 48 |
| *Protobothrops flavoviridis* | Habu | GCA\_003402635.1 | 18.9 | 96 |
| *Lacerta bilineata* | Western green lizard | GCA\_900245895.1 | 368.2 | 48 |
| *Paroedura picta* | Panther gecko | GCA\_003118565.1 | 15.2 | 75 |
| *Pantherophis guttatus* | Corn snake | GCA\_001185365.1 | 2.4 | 13 |
| *Ophiophagus hannah* | King cobra | GCA\_000516915.1 | 5.2 | 28 |
| *Crotalus pyrrhus* | White Speckled Rattlesnake | GCA\_000737285.1 | 5.3 | 40 |
| *Hydrophis cyanocinctus* | Asian annulated sea snake | GCA\_004023725.1 | 7.4 | 100 |
| *Hydrophis hardwickii* | Hardwick's sea snake | GCA\_004023765.1 | 5.4 | 86 |
| *Thermophis baileyi* | Bailey's Snake | GCA\_003457575.1 | 2414.0 | 185 |
| *Podarcis muralis* | common wall lizard | GCA\_004329235.1 | 714.6 | 86 |
| *Sphenodon punctatus* | Tuatara | GCA\_003113815.1 | 27.1 | 127 |