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| --- | --- | --- | --- |
| **Species** | **Binomial Nomenclature** | **Assembly ID** | **Transcript ID** |
| Cow | Bos taurus | ARS-UCD1.2 | GCA\_002263795.2 |
| Cat | Felis catus | Felis\_catus\_9.0 | GCA\_000181335.4 |
| Chicken | Gallus gallus | GRCg6a | GCA\_000002315.5 |
| Chimpanzee | Pan troglodytes | Pan\_tro\_3.0 | GCA\_000001515.5 |
| Dog | Canis lupus familiaris | CanFam3.1 | GCA\_000002285.2 |
| Goat | Capra hircus | ARS1 | GCA\_001704415.1 |
| Gorilla | Gorilla gorilla gorilla | gorGor4 | GCA\_000151905.3 |
| Horse | Equus caballus | EquCab3.0 | GCA\_002863925.1 |
| Human | Homo sapiens | GRCh38.p13 | GCA\_000001405.28 |
| Megabat | Pteropus vampyrus | pteVam1 | GCA\_000151845.1 |
| Mouse | Mus musculus | GRCm38.p6 | GCA\_000001635.8 |
| Pig | Sus scrofa | Sscrofa11.1 | GCA\_000003025.6 |
| Rat | Rattus norvegicus | Rnor\_6.0 | GCA\_000001895.4 |
| Sheep | Ovis aries | Oar\_rambouillet\_v1.0 | GCA\_002742125.1 |

**Supplementary Table 1.** Characteristics of species sequences used to create phylogenetic trees for candidate lncRNA and miRNA.