**Table S1.** Common name, scientific name and Genbank accession number of vertebrates tested *in silico* and found to be suitable candidates for host reduction by this universal blood parasite detection method.

|  |  |  |
| --- | --- | --- |
| **Common Name** | **Scientific Name** | **GenBank Accession #** |
| Human | *Homo sapiens* | HUMRGE |
| Cow | *Bos taurus* | NR\_036642 |
| Horse | *Equus caballus* | AJ311673 |
| Pig | *Sus scrofa* | AY265350 |
| Sheep | *Ovis aries* | KY129860 |
| Water buffalo | *Bubalus bubalis* | JN412502 |
| White-tailed deer | *Odocoileus virginianus* | EU823286 |
| Dog | *Canis lupus familiaris* | AY623831 |
| Rabbit | *Oryctolagus cuniculus* | NR\_033238 |
| Mouse | *Mus musculus* | X00686 |
| Brown rat | *Rattus norvegicus* | RATRGEA |
| Egyptian gerbil | *Gerbillus gerbillus* | EU139317 |
| North American opossum | *Didelphis virginiana* | AJ311677 |
| Chicken | *Gallus gallus* | AF173612 |
| Mallard | *Anas platyrhynchos* | AF173614 |
| Rock pigeon | *Columba livia* | AF173630 |
| Egyptian vulture | *Neophron percnopterus* | AF173633 |
| Great horned owl | *Bubo virginianus* | AF173620 |