

S2 Table. Carnivore species predicted to be RABV reservoirs based on the liberal criteria. Since there is inherent variation when performing permutations, species with Shapley values close to zero (especially those < 0.1) should be considered with caution.

| Species | Family | Shapley value |
|--|---------------|----------------------|
| Fennec fox (<i>Vulpes zerda</i>) | Canidae | 0.30 |
| Swift fox (<i>Vulpes velox</i>) | Canidae | 0.28 |
| Culpeo (<i>Lycalopex culpaeus</i>) | Canidae | 0.24 |
| African civet (<i>Civettictis civetta</i>) | Viverridae | 0.14 |
| Long-tailed weasel (<i>Mustela frenata</i>) | Mustelidae | 0.22 |
| Cape fox (<i>Vulpes chama</i>) | Canidae | 0.21 |
| Island fox (<i>Urocyon littoralis</i>) | Canidae | 0.2 |
| Ring-tailed cat (<i>Bassariscus astutus</i>) | Procyonidae | 0.2 |
| Steppe polecat (<i>Mustela eversmannii</i>) | Mustelidae | 0.2 |
| Dhole (<i>Cuon alpinus</i>) | Canidae | 0.43 |
| Bush dog (<i>Speothos venaticus</i>) | Canidae | 0.18 |
| Pampas fox (<i>Lycalopex gymnocercus</i>) | Canidae | 0.17 |
| Common kusimanse (<i>Crossarchus obscurus</i>) | Herpestidae | 0.15 |
| Maned wolf (<i>Chrysocyon brachyurus</i>) | Canidae | 0.14 |
| Stoat (<i>Mustela erminea</i>) | Mustelidae | 0.14 |
| Indian grey mongoose (<i>Herpestes edwardsi</i>) | Herpestidae | 0.12 |
| Least weasel (<i>Mustela nivalis</i>) | Mustelidae | 0.12 |
| Striped hyena (<i>Hyaena hyaena</i>) | Hyaenidae | 0.12 |
| Kit fox (<i>Vulpes macrotis</i>) | Canidae | 0.11 |
| African wild dog (<i>Lycan pictus</i>) | Canidae | 0.11 |
| Tibetan sand fox (<i>Vulpes ferrilata</i>) | Canidae | 0.1 |
| Banded mongoose (<i>Mungos mungo</i>) | Herpestidae | 0.09 |
| Striped polecat (<i>Ictonyx striatus</i>) | Mustelidae | 0.09 |
| Wildcat (<i>Felis silvestris</i>) | Felidae | 0.08 |
| Honey badger (<i>Mellivora capensis</i>) | Mustelidae | 0.07 |
| Egyptian mongoose (<i>Herpestes ichneumon</i>) | Herpestidae | 0.07 |
| Common genet (<i>Genetta genetta</i>) | Viverridae | 0.07 |
| Pygmy spotted skunk (<i>Spilogale pygmaea</i>) | Mephitidae | 0.06 |
| Bengal fox (<i>Vulpes bengalensis</i>) | Canidae | 0.06 |
| Brown bear (<i>Ursus arctos</i>) | Ursidae | 0.05 |
| African clawless otter (<i>Aonyx capensis</i>) | Mustelidae | 0.05 |
| Pale fox (<i>Vulpes pallida</i>) | Canidae | 0.04 |
| American hog-nosed skunk (<i>Conepatus leuconotus</i>) | Mephitidae | 0.04 |
| European polecat (<i>Mustela putorius</i>) | Mustelidae | 0.03 |
| Brown palm civet (<i>Paradoxurus jerdoni</i>) | Viverridae | 0.03 |
| Blandford's fox (<i>Vulpes cana</i>) | Canidae | 0.03 |
| Malabar large-spotted civet (<i>Viverra civettina</i>) | Viverridae | 0.03 |
| Crab-eating raccoon (<i>Procyon cancrivorus</i>) | Procyonidae | 0.02 |
| American badger (<i>Taxidea taxus</i>) | Mustelidae | 0.01 |