**Supplementary Material**

**Table S1.** Some examples of carcass removal by different scavenger species and groups around the world. The total carrion biomass monitored or estimated for these calculations is also shown where available (mean ± SE).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Location | Carrion type | Carrion  biomass (kg) | Dominant scavenger(s) | Contribution to carrion removal | Reference |
| Ethiopia | Abattoir |  | Vultures (*Gyps* spp.) | 57% | (Buechley et al. 2022) |
| Australia | Rabbits  (*Oryctolagus cuniculus*) |  | Multiple avian spp. | 17% | (Peisley et al. 2017) |
| Argentina | Rabbits  (*Oryctolagus cuniculus*) |  | Multiple avian spp. | 100% | (Sebastian-Gonzalez et al. 2013) |
| Atlantic Spain | Livestock carcasses | ~3,225 | Griffon vulture  (*Gyps fulvus*) | 51 % | Mateo-Tomás  (unpubl. data) |
| Hunting remains | ~2,025 | Griffon vulture  (*Gyps fulvus*) | 65 % | (Mateo-Tomás et al. 2017) |
| Mediterranean Spain | Hunting remains | ~1,628 | Griffon vulture  (*Gyps fulvus*) | 32 % |
| Cinereous vulture  (*Aegypius monachus*) | 7 % |
| South Africa | Wild ungulate remains | ~2,600 | White-backed vulture  (*Gyps africanus*) | 37 % |
| USA | Wolf kills | 13,220 ± 383.9\* | Common raven  (*Corvus corax*) | ~8 % | (Wilmers et al. 2003) |
| Hunting remains | 33,203 ± 993.0\* | Common raven  (*Corvus corax*) | ~72 % |
| Bald eagle  (*Haliaeetus leucocephalus*) | ~27 % |
| Australia | Grey kangaroo (*Macropus giganteus*) | 1,230 | Dingo (*Canis dingo*), red fox (*Vulpes vulpes*), Australian raven (*Corvus coronoides*), Brushtail possum (*Trichosurus vulpecula*) | 100 %  (meat only) | (Spencer 2022) |
| Red kangaroo (*Osphranter rufus*) | 1,005 | Dingo (*Canis dingo*), Australian raven (*Corvus coronoides*), Wedge-tailed eagle (*Aquila audax*) | 100 %  (meat only) |
| Atlantic Spain | Livestock carcasses | ~3,225 | Red fox  (*Vulpes vulpes*) | 10 % | P. Mateo-Tomás  (unpubl. data) |
| Brown bear  (*Ursus arctos*) | 7 % |
| Wolf  (*Canis lupus*) | 6 % |
| Hunting remains | ~2,025 | Wild boar  (*Sus scrofa*) | 17 % | (Mateo-Tomás et al. 2017) |
| Red fox  (*Vulpes vulpes*) | 8 % |
| Wolf  (*Canis lupus*) | 3 % |
| Mediterranean  Spain | Hunting remains | ~1,628 | Wild boar  (*Sus scrofa*) | 43 % |
| Red fox  (*Vulpes vulpes*) | 14 % |
| Rabbits  (*Oryctolagus cuniculus*) |  | *Vulpes vulpes*, *Genetta genetta*, *Sus scrofa* | 59 % | (Sebastian-Gonzalez et al. 2020) |
| South Africa | Wild ungulate remains | ~2,600 | Lion  (*Panthera leo*) | 25 % | (Mateo-Tomás et al. 2017) |
| Spotted hyena  (*Crocuta crocuta*) | 20 % |
| Bushpig  (*Potamochoerus larvatus*) | 13 % |
| USA | Wolf kills | 13,220 ± 383.9\* | Coyote  (*Canis latrans*) | ~20 % | (Wilmers et al. 2003) |
| Australia | Rabbits  (*Oryctolagus cuniculus*) | 27 | Blowflies (*Chrysomya* spp.) (obligate)  Flies (Sarcophagidae, Calliphoridae, Muscida) (obligate and facultative) | 50% | (Barton & Evans 2017) |
| USA | Pigs  (*Sus scrofa*) |  | Blowflies (*Chrysomya* spp.) (obligate)  Flies (Sarcophagidae, Calliphoridae, Muscida) (obligate and facultative) | 90% | (Payne 1965) |

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