**Supporting information**

**Biology Letters**

**Inference in road ecology research: What we know versus what we think we know**

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Figure S1: PRISMA diagram of the literature search.

Figure S2. Geographic distribution of 307 studies of road effects on wildlife from 46 countries.

Figure S3. Number of negative, positive, and neutral road or traffic effects on wildlife for studies in which estimating road or traffic effects was the main objective (a) and studies having some other main objective but where roads or traffic were included as a covariate (b).

Figure S4. Types of species response variables measured in studies published between 2012 and 2016 assessing the effects of roads and traffic on terrestrial animals. Bars indicate the number of effects measured for each type of response variable. Altogether we found 608 effects, from 307 studies. "Population abundance" includes abundance, density, occurrence, and distribution of single species. "Stress indicators" includes base corticosterone levels and changes in behavior such as vigilance or calling behavior. "Individual space use" refers to lower use of portions of a territory that are closer to a road, while "homing" refers to reduced probability of returning to a territory when translocated across a road. Most measures of species diversity were species richness. "Reproduction, growth and survival" are responses of individual animals, while "Population growth /mean body size" are whole-population responses. "Genetic difference" refers to genetic difference between populations separated by roads (vs. not), while "genetic diversity" refers to genetic diversity of populations living near roads (vs. not).

Figure S5. An observed pattern of lower within-territory space use near a road can be caused by past road mortality. Of those individuals whose territories will overlap with a future road, the ones with the center of activity closer to the road are more likely to be killed by traffic. As we measure space use only after these individuals are already dead, we will observe a pattern of space use that is centered away from the road. This pattern is an artefact of past mortality. Therefore, reduced space use near roads is consistent with road mortality (in addition to reduced habitat quality and reduced connectivity; see text) as a mechanism for impacts of roads on population persistence.

Figure S6. Authors’ inferences about the species responses to roads that are consistent with one, two or all of the three possible mechanisms linking roads to reduced population persistence: decreased connectivity (ovals), increased mortality through road-kill (boxes), and decreased habitat quality (diamonds). Numbers in the shapes are the number of responses for which the authors inferred each mechanism, from our sample of 327 negative responses to roads. Note, the numbers do not add up to 327 responses because authors sometimes inferred more than one possible mechanism for each response (overlap areas in Figure 5b). Empty symbols represent mechanisms that are consistent with measured responses but were never inferred by authors. When all three mechanisms were actually consistent with study results, authors were 2.4 and 2.9 times as likely to infer reduced habitat quality compared to reduced connectivity or increased mortality, respectively. When both reduced connectivity and increased mortality were actually consistent with study results, authors were 5.2 times as likely to infer reduced connectivity compared to increased mortality.

Table S1. Reviewed studies and corresponding results for each study. The three last columns (Mechanisms inferred in the Discussions) were filled only for studies with negative responses to roads or traffic.

Figure S1

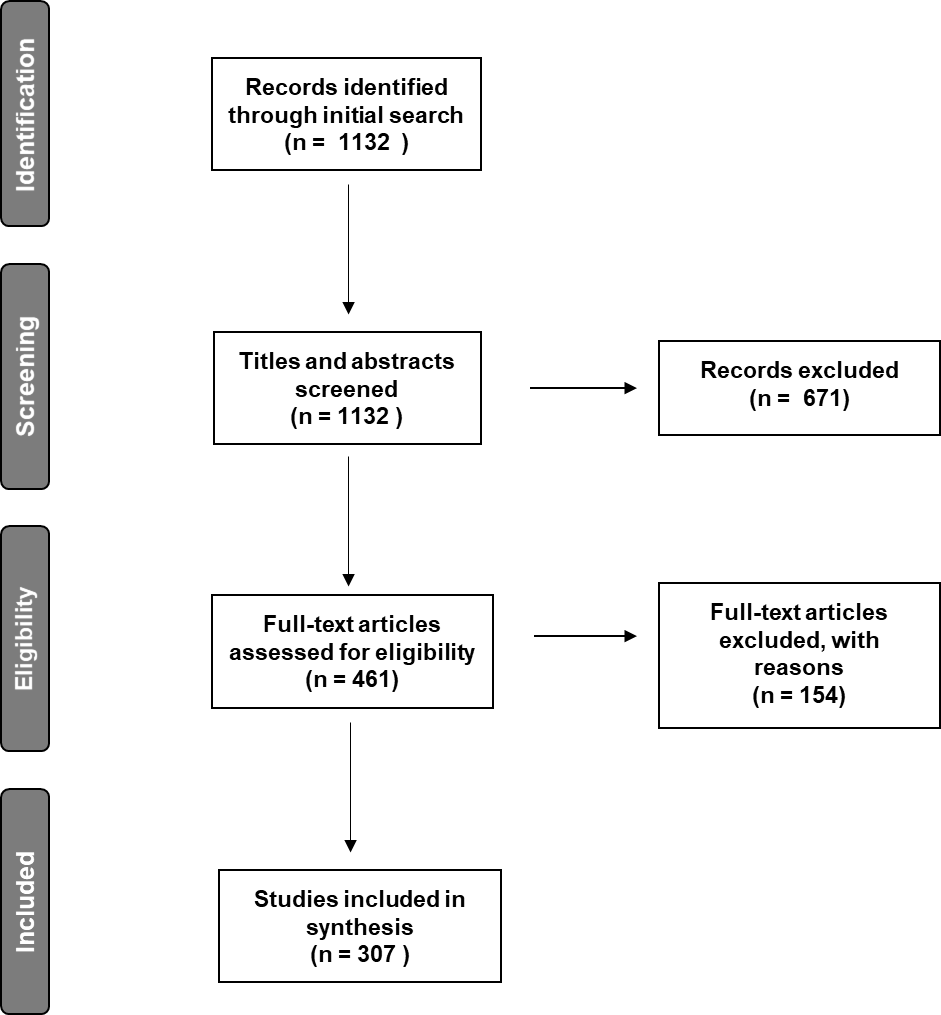


Figure S2



Figure S3

Figure S4

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Figure S5

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Figure S6

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Table S1

| **Citation** | **Taxonomic group** | **Species or group common name** | **Multi or single species response** | **Study country** | **Response category** | **Direction of effect** | **Study focused mainly on roads** | **Mechanisms inferred in the Discussions (1= inferred, 0=not inferred)** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  | **Decreased habitat quality** | **Road mortality** | **Decreased connectivity** |
| (Abrahms et al. 2016) | Mammal | African wild dog | Single | Botswana | ↓ Individual space use | Neutral | YES | - | - | - |
| (Abrahms et al. 2016) | Mammal | African wild dog | Single | Botswana | ↓ Individual space use | Positive | YES | - | - | - |
| (Abrahms et al. 2016) | Mammal | African wild dog | Single | Botswana | ↓ Individual space use | Negative | YES | 0 | 0 | 0 |
| (Ahmed et al. 2014) | Birds | Birds | Multi | Brazil | ↓ Diversity | Negative | YES | 1 | 1 | 1 |
| (Al Sayegh Petkovšek et al. 2014) | Mammal | Small mammals | Multi | Slovenia | ↓ Reproduction, growth and survival | Neutral | NO | - | - | - |
| (Amelon et al. 2014) | Mammal | Red bat | Single | USA | ↓ Individual space use | Positive | NO | - | - | - |
| (Astudillo et al. 2014) | Birds | Birds | Multi | Ecuador | ↓ Diversity | Neutral | YES | - | - | - |
| (Azhar et al. 2014) | Birds | Birds | Multi | Malaysia | ↓ Diversity | Negative | NO | 1 | 0 | 0 |
| (Azhar et al. 2015) | Birds | Birds | Multi | Malaysia | ↓ Diversity | Positive | NO | - | - | - |
| (Azhar et al. 2015) | Mammal | Bats | Multi | Malaysia | ↓ Diversity | Positive | NO | - | - | - |
| (Azhar et al. 2015) | Invertebrates | Butterflies | Multi | Malaysia | ↓ Diversity | Neutral | NO | - | - | - |
| (Balkenhol et al. 2014) | Mammal | Cougar | Single | USA | ↑ Genetic difference | Negative | NO | 0 | 0 | 1 |
| (Bani et al. 2015) | Amphibia | Fire salamander | Single | Italy | ↑ Genetic difference | Neutral | YES | - | - | - |
| (Barbar et al. 2015) | Birds | Raptors | Single | Argentina | ↓ Population abundance | Positive | YES | - | - | - |
| (Bart et al. 2013) | Birds | Waterfowl | Single | USA | ↓ Population abundance | Neutral | NO | - | - | - |
| (Bart et al. 2013) | Birds | Loon | Single | USA | ↓ Population abundance | Neutral | NO | - | - | - |
| (Bart et al. 2013) | Birds | Grebes | Single | USA | ↓ Population abundance | Neutral | NO | - | - | - |
| (Bart et al. 2013) | Birds | Shorebirds | Single | USA | ↓ Population abundance | Neutral | NO | - | - | - |
| (Bart et al. 2013) | Birds | Gulls terns | Single | USA | ↓ Population abundance | Neutral | NO | - | - | - |
| (Bart et al. 2013) | Birds | Jaegers | Single | USA | ↓ Population abundance | Neutral | NO | - | - | - |
| (Barthelmess 2014) | Mammal | Mammals | Multi | USA | ↑ Roadkill | Negative | YES | 0 | 1 | 0 |
| (Bartzke et al. 2015) | Mammal | Moose | Single | Norway | ↓ Individual space use | Negative | YES | 1 | 0 | 1 |
| (Baxter-Gilbert et al. 2014) | Reptile | Midland painted turtles | Single | Canada | ↑ stress indicators | Neutral | YES | - | - | - |
| (Beatty et al. 2016) | Mammal | Virginia opossum | Single | USA | ↓ Population abundance | Positive | NO | - | - | - |
| (Beckmann et al. 2015) | Mammal | Black bears | Single | USA | ↓ Population abundance | Positive | NO | - | - | - |
| (Beckmann et al. 2015) | Mammal | Black bears | Single | USA | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Bellis et al. 2015) | Birds | Birds | Multi | Argentina | ↓ Diversity | Neutral | NO | - | - | - |
| (Beninde et al. 2016) | Reptile | Common wall lizard | Single | Germany | ↑ Genetic difference | Neutral | NO | - | - | - |
| (Bennett et al. 2013) | Mammal | Bats | Multi | USA | ↑ stress indicators | Negative | YES | 1 | 0 | 1 |
| (Bennett et al. 2013) | Mammal | Bats | Multi | USA | ↑ stress indicators | Neutral | YES | - | - | - |
| (Bennett et al. 2013) | Mammal | Bats | Multi | USA | ↓ Individual space use | Negative | YES | 1 | 0 | 1 |
| (Berry et al. 2013) | Reptile | Agassiz's Desert Tortoise | Single | USA | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Berry et al. 2015) | Reptile | Agassiz’s desert tortoise | Single | USA | ↓ Reproduction, growth and survival | Negative | NO | 1 | 0 | 0 |
| (Berthinussen and Altringham 2012) | Mammal | Bats | Multi | United Kingdom | ↓ Population abundance | Negative | YES | 1 | 1 | 1 |
| (Berthinussen and Altringham 2012) | Mammal | Bats | Multi | United Kingdom | ↓ Diversity | Negative | YES | 1 | 1 | 1 |
| (Beyer et al. 2013) | Mammal | Moose | Single | Canada | ↓ Individual space use | Negative | YES | 1 | 0 | 0 |
| (Beyer et al. 2016) | Mammal | Reindeer | Single | Norway | ↓ Individual space use | Negative | YES | 1 | 0 | 1 |
| (Bled et al. 2015) | Mammal | bobcats | Single | USA | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Bled et al. 2015) | Mammal | bobcats | Single | USA | ↓ Population abundance | Positive | NO | - | - | - |
| (Blickley et al. 2012) | Birds | Greater Sage-Grouse | Single | USA | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (Bonsen et al. 2015) | Mammal | Fast-flying bats | Multi | Australia | ↓ Population abundance | Positive | YES | - | - | - |
| (Bonsen et al. 2015) | Mammal | Slow-flying bats | Multi | Australia | ↓ Population abundance | Neutral | YES | - | - | - |
| (Bortolamiol et al. 2016) | Mammal | Eastern chimpanzee | Single | Uganda | ↓ Individual space use | Positive | NO | - | - | - |
| (Boulanger et al. 2013) | Mammal | Grizzly bear | Single | Canada | ↓ Reproduction, growth and survival | Positive | NO | - | - | - |
| (Boulanger et al. 2013) | Mammal | Grizzly bear | Single | Canada | ↓ Reproduction, growth and survival | Negative | NO | 0 | 1 | 0 |
| (Braga et al. 2015) | Mammal | Small mammals | Multi | Brazil | ↓ Diversity | Positive | NO | - | - | - |
| (Brehme et al. 2013) | Mammal | San Diego pocket mice | Single | USA | ↓ Individual space use | Negative | YES | 1 | 0 | 1 |
| (Brehme et al. 2013) | Mammal | San Diego pocket mice | Single | USA | ↓ Population abundance | Neutral | YES | - | - | - |
| (Brehme et al. 2013) | Mammal | Cactus mouse | Single | USA | ↓ Individual space use | Negative | YES | 1 | 0 | 1 |
| (Brehme et al. 2013) | Mammal | Cactus mouse | Single | USA | ↓ Population abundance | Neutral | YES | - | - | - |
| (Brehme et al. 2013) | Mammal | Dulzura kangaroo rat | Single | USA | ↓ Individual space use | Positive | YES | - | - | - |
| (Brehme et al. 2013) | Mammal | Deer mouse | Single | USA | ↓ Individual space use | Negative | YES | 1 | 0 | 1 |
| (Brehme et al. 2013) | Reptile | Western fence lizard | Single | USA | ↓ Individual space use | Negative | YES | 1 | 0 | 1 |
| (Brehme et al. 2013) | Reptile | Western fence lizard | Single | USA | ↓ Population abundance | Neutral | YES | - | - | - |
| (Brehme et al. 2013) | Reptile | Orange-throated whiptail | Single | USA | ↓ Individual space use | Negative | YES | 1 | 0 | 1 |
| (Brehme et al. 2013) | Reptile | Orange-throated whiptail | Single | USA | ↓ Individual space use | Neutral | YES | - | - | - |
| (Bright and Holloway 2015) | Mammal | hedgehog | Single | United Kingdom | ↑ Roadkill | Negative | YES | 0 | 1 | 0 |
| (Bright and Holloway 2015) | Mammal | rabbit | Single | United Kingdom | ↑ Roadkill | Negative | YES | 0 | 1 | 0 |
| (Brodie et al. 2015) | Mammal | Clouded leopards | Single | Borneo | ↓ Population abundance | Negative | NO | 0 | 0 | 0 |
| (Brodie et al. 2015) | Mammal | Sambar | Single | Borneo | ↓ Population abundance | Positive | NO | - | - | - |
| (Brodie et al. 2015) | Mammal | Sambar | Single | Borneo | ↓ Population abundance | Neutral | NO | - | - | - |
| (Broman et al. 2014) | Mammal | Bobcat | Single | USA | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Brown et al. 2012) | Amphibia | Cope's gray tree frog | Single | USA | ↓ Reproduction, growth and survival | Negative | YES | 1 | 0 | 0 |
| (Brown et al. 2012) | Amphibia | Green frog | Single | USA | ↓ Reproduction, growth and survival | Negative | YES | 1 | 0 | 0 |
| (Brzeziński et al. 2012) | Amphibia | Amphibians | Multi | Poland | ↑ Roadkill | Negative | YES | 0 | 1 | 0 |
| (Buchanan et al. 2014) | Mammal | Elk | Single | USA | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Bunkley and Barber 2015) | Mammal | Pallid bats | Single | USA | ↑ stress indicators | Negative | NO | 1 | 0 | 0 |
| (Butler et al. 2013) | Birds | Golden-cheeked warbler | Single | USA | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (Butler et al. 2013) | Birds | Golden-cheeked warbler | Single | USA | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Butler et al. 2013) | Birds | Golden-cheeked warbler | Single | USA | ↓ Reproduction, growth and survival | Neutral | YES | - | - | - |
| (Butler et al. 2013) | Birds | White-eyed vireo | Single | USA | ↓ Population abundance | Neutral | YES | - | - | - |
| (Butler et al. 2013) | Birds | White-eyed vireo | Single | USA | ↑ stress indicators | Positive | YES | - | - | - |
| (Butler et al. 2013) | Birds | White-eyed vireo | Single | USA | ↓ Reproduction, growth and survival | Neutral | YES | - | - | - |
| (Byrnes et al. 2012) | Mammal | Long-nosed bandicoot | Single | Australia | ↑ stress indicators | Neutral | YES | - | - | - |
| (Byrnes et al. 2012) | Mammal | Giant white-tailed rat | Single | Australia | ↑ stress indicators | Neutral | YES | - | - | - |
| (Byrnes et al. 2012) | Mammal | Musky rat-kangaroo | Single | Australia | ↑ stress indicators | Neutral | YES | - | - | - |
| (Cao et al. 2015) | Birds | Red-crowned crane | Single | China | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Cartwright et al. 2014) | Birds | Red-winged black bird | Single | Canada | ↑ stress indicators | Neutral | YES | - | - | - |
| (Cartwright et al. 2014) | Birds | Red-winged black bird | Single | Canada | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Carvalho et al. 2014) | Vertebrates | Vertebrates | Multi | Brazil | ↑ Roadkill | Negative | YES | 0 | 1 | 0 |
| (Carvalho et al. 2016) | Mammal | Genet | Single | Portugal | ↓ Individual space use | Negative | YES | 0 | 0 | 1 |
| (Cayuela et al. 2015) | Amphibia | Yellow-bellied-toad | Single | France | ↓ Population abundance | Negative | NO | 1 | 1 | 0 |
| (Červinka et al. 2013) | Mammal | Red fox | Single | Czech Republic | ↓ Population abundance | Positive | NO | - | - | - |
| (Červinka et al. 2013) | Mammal | Martens | Single | Czech Republic | ↓ Population abundance | Positive | NO | - | - | - |
| (Červinka et al. 2013) | Mammal | Least weasel | Single | Czech Republic | ↓ Population abundance | Negative | NO | 0 | 0 | 0 |
| (Červinka et al. 2013) | Mammal | Ermine stoat | Single | Czech Republic | ↓ Population abundance | Positive | NO | - | - | - |
| (Červinka et al. 2013) | Mammal | Polecats | Single | Czech Republic | ↓ Population abundance | Neutral | NO | - | - | - |
| (Červinka et al. 2013) | Mammal | European badger | Single | Czech Republic | ↓ Population abundance | Neutral | NO | - | - | - |
| (Červinka et al. 2013) | Mammal | Carnivores | Multi | Czech Republic | ↓ Diversity | Positive | NO | - | - | - |
| (Chen and Koprowski 2015) | Mammal | Mt. Graham red squirrels | Single | USA | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (Chen and Koprowski 2015) | Mammal | Mt. Graham red squirrels | Single | USA | ↓ Individual space use | Negative | YES | 1 | 0 | 0 |
| (Chen and Koprowski 2016) | Mammal | Red squirrel | Single | USA | ↓ Individual space use | Negative | YES | 0 | 0 | 1 |
| (Chen and Koprowski 2016) | Mammal | Red squirrel | Single | USA | ↓ Individual space use | Neutral | YES | - | - | - |
| (Cheveau et al. 2013) | Mammal | Martens | Single | Canada | ↓ Population abundance | Negative | NO | 0 | 0 | 1 |
| (Christie et al. 2015) | Mammal | Pronghorn | Single | USA | ↓ Population abundance | Negative | YES | 0 | 1 | 1 |
| (Clark et al. 2015) | Mammal | American black bear | Single | USA | ↓ Individual space use | Negative | NO | 1 | 0 | 0 |
| (Coe et al. 2015) | Mammal | Mule deer | Single | USA | ↑ Roadkill | Negative | YES | 0 | 1 | 1 |
| (Cosentino et al. 2014) | Amphibia | Anaxyrus americanus | Single | USA | ↓ Population abundance | Negative | YES | 1 | 1 | 1 |
| (Cosentino et al. 2014) | Amphibia | Hyla chrysoscelis/versicolor | Single | USA | ↓ Population abundance | Negative | YES | 1 | 1 | 1 |
| (Cosentino et al. 2014) | Amphibia | Hyla cinerea | Single | USA | ↓ Population abundance | Neutral | YES | - | - | - |
| (Cosentino et al. 2014) | Amphibia | Hyla gratiosa | Single | USA | ↓ Population abundance | Neutral | YES | - | - | - |
| (Cosentino et al. 2014) | Amphibia | Lithobates catesbeianus | Single | USA | ↓ Population abundance | Negative | YES | 1 | 1 | 1 |
| (Cosentino et al. 2014) | Amphibia | Lithobates clamitans | Single | USA | ↓ Population abundance | Negative | YES | 1 | 1 | 1 |
| (Cosentino et al. 2014) | Amphibia | Lithobates palustris | Single | USA | ↓ Population abundance | Negative | YES | 1 | 1 | 1 |
| (Cosentino et al. 2014) | Amphibia | Lithobates sphenocephalus | Single | USA | ↓ Population abundance | Negative | YES | 1 | 1 | 1 |
| (Cosentino et al. 2014) | Amphibia | Lithobates sylvaticus | Single | USA | ↓ Population abundance | Neutral | YES | - | - | - |
| (Cosentino et al. 2014) | Amphibia | Amphibians | Multi | USA | ↓ Diversity | Negative | YES | 1 | 1 | 1 |
| (Cosentino et al. 2014) | Amphibia | Amphibians | Multi | USA | ↓ Diversity | Negative | YES | 1 | 1 | 1 |
| (Costello and Symes 2014) | Invertebrates | Tree crickets (6 species, same genus) | Multi | USA | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Costello and Symes 2014) | Invertebrates | Tree crickets (6 species, same genus) | Multi | USA | ↑ stress indicators | Neutral | YES | - | - | - |
| (Costello and Symes 2014) | Invertebrates | Tree crickets (6 species, same genus) | Multi | USA | ↑ stress indicators | Neutral | YES | - | - | - |
| (Coster and Kovach 2012) | Mammal | Black bear | Single | USA | ↑ Genetic difference | Negative | NO | 0 | 0 | 1 |
| (Courbin et al. 2014) | Mammal | Caribou | Single | Canada | ↓ Individual space use | Negative | NO | 1 | 0 | 0 |
| (Courbin et al. 2014) | Mammal | Moose | Single | Canada | ↓ Individual space use | Negative | NO | 1 | 0 | 0 |
| (Crawford et al. 2014) | Reptile | Diamondback terrapins | Single | USA | Per capita roadkill | Negative | YES | 0 | 1 | 0 |
| (Cristescu et al. 2014) | Mammal | Grizzly bear | Single | Canada | ↓ Population abundance | Neutral | YES | - | - | - |
| (D’Amico et al. 2016) | Mammal | Red deer | Single | Spain | ↓ Population abundance | Negative | YES | 1 | 0 | 1 |
| (D’Amico et al. 2016) | Mammal | Red deer | Single | Spain | ↓ Population abundance | Negative | YES | 1 | 0 | 1 |
| (D’Amico et al. 2016) | Mammal | Wild boar | Single | Spain | ↓ Population abundance | Negative | YES | 1 | 0 | 1 |
| (D’Amico et al. 2016) | Mammal | Wild boar | Single | Spain | ↓ Population abundance | Neutral | YES | - | - | - |
| (Da Silva et al. 2014) | BIrds | European robin | Single | Germany | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Da Silva et al. 2014) | BIrds | European robin | Single | Germany | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Da Silva et al. 2014) | BIrds | Common blackbird | Single | Germany | ↑ stress indicators | Neutral | YES | - | - | - |
| (Da Silva et al. 2014) | BIrds | Common blackbird | Single | Germany | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Da Silva et al. 2014) | BIrds | Great tit | Single | Germany | ↑ stress indicators | Neutral | YES | - | - | - |
| (Da Silva et al. 2014) | BIrds | Great tit | Single | Germany | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Da Silva et al. 2014) | BIrds | Blue tit | Single | Germany | ↑ stress indicators | Neutral | YES | - | - | - |
| (Da Silva et al. 2014) | BIrds | Blue tit | Single | Germany | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Da Silva et al. 2014) | BIrds | Common chaffinch | Single | Germany | ↑ stress indicators | Neutral | YES | - | - | - |
| (Da Silva et al. 2014) | BIrds | Common chaffinch | Single | Germany | ↑ stress indicators | Neutral | YES | - | - | - |
| (Da Silva et al. 2014) | BIrds | Song thrush | Single | Germany | ↑ stress indicators | Neutral | YES | - | - | - |
| (Da Silva et al. 2014) | BIrds | Song thrush | Single | Germany | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Dahl et al. 2012) | Birds | White-tailed eagles | Single | Norway | ↓ Reproduction, growth and survival | Negative | NO | 1 | 1 | 0 |
| (Dambros et al. 2013) | Invertebrates | Termites | Multi | Brazil | ↓ Diversity | Neutral | YES | - | - | - |
| (Dananay et al. 2015) | Amphibia | wood frog | Single | USA | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (Dananay et al. 2015) | Amphibia | wood frog | Single | USA | ↓ Population growth / mean body size | Positive | YES | - | - | - |
| (Dananay et al. 2015) | Amphibia | wood frog | Single | USA | ↓ Population growth / mean body size | Positive | YES | - | - | - |
| (de Freitas et al. 2014) | Mammal | Giant anteater | Single | Brazil | ↓ Roadkill | Negative | YES | 0 | 1 | 1 |
| (de Groot et al. 2016) | Mammal | Dutch pine martens | Single | Netherlands | ↓ Genetic Diversity | Neutral | NO | - | - | - |
| (de Groot et al. 2016) | Mammal | Dutch pine martens | Single | Netherlands | ↑ Genetic difference | Neutral | NO | - | - | - |
| (de Redon et al. 2015) | Mammal | Small mammals (voles and shrews) | Multi | France | ↓ Diversity | Positive | YES | - | - | - |
| (de Redon et al. 2015) | Mammal | Vole (M. arvalis) | Single | France | ↓ Population abundance | Neutral | YES | - | - | - |
| (de Redon et al. 2015) | Mammal | Shrew (S. coronatus) | Single | France | ↓ Population abundance | Positive | YES | - | - | - |
| (Degregorio et al. 2014) | Birds | Songbirds | Multi | USA | ↓ Reproduction, growth and survival | Negative | NO | 1 | 0 | 0 |
| (Degregorio et al. 2014) | Reptile | Rat snakes and black racers | Multi | USA | ↓ Population abundance | Positive | NO | - | - | - |
| (Delgado et al. 2013) | Invertebrates | Leaf-litter macroinvertebrates | Multi | Canary Islands (Spain) | ↓ Population abundance | Negative | YES | 1 | 0 | 1 |
| (Delgado et al. 2013) | Invertebrates | Leaf-litter macroinvertebrates | Multi | Canary Islands (Spain) | ↓ Diversity | Negative | YES | 1 | 0 | 1 |
| (Dellinger et al. 2013) | Mammal | Red wolves | Single | USA | ↓ Population abundance | Positive | NO | - | - | - |
| (Di Blanco et al. 2015) | Mammal | giant anteater | Single | Argentina | ↓ Population abundance | Neutral | NO | - | - | - |
| (Do and Joo 2015) | Invertebrates | carabid beetles | Multi | Korea | ↓ Diversity | Negative | NO | 1 | 0 | 1 |
| (Do and Joo 2015) | Invertebrates | carabid beetles | Multi | Korea | ↓ Population abundance | Negative | NO | 1 | 0 | 1 |
| (Dobbs et al. 2012) | Amphibia | Cope’s Gray Treefrogs | Single | USA | ↓ Reproduction, growth and survival | Negative | YES | 1 | 0 | 0 |
| (Dolgener et al. 2014) | Amphibia | Fire-bellied-toad | Single | Germany | ↓ Population abundance | Negative | NO | 0 | 1 | 1 |
| (Dolgener et al. 2014) | Amphibia | Fire-bellied-toad | Single | Germany | ↓ Genetic Diversity | Negative | NO | 0 | 1 | 1 |
| (Downing et al. 2015) | Mammal | white-footed mouse | Single | Canada | ↓ Population abundance | Neutral | YES | - | - | - |
| (Drewry et al. 2013) | Mammal | Black bear | Single | USA | ↓ Population abundance | Neutral | NO | - | - | - |
| (Dudaniec et al. 2013) | Mammal | Koala | Single | Australia | ↑ Genetic difference | Negative | NO | 0 | 1 | 1 |
| (Duquette et al. 2015) | Mammal | White-tailed deer | Single | USA | ↓ Individual space use | Positive | NO | - | - | - |
| (Dussault et al. 2012) | Mammal | Caribou | Single | Canada | ↓ Individual space use | Negative | NO | 1 | 0 | 0 |
| (Dziadzio and Jones 2016) | Reptile | Gopher tortoise | Single | USA | ↓ Reproduction, growth and survival | Neutral | NO | - | - | - |
| (Eberhardt et al. 2013) | Amphibia | Anurans | Multi | Canada | ↓ Roadkill | Negative | YES | 0 | 1 | 0 |
| (Eberhardt et al. 2013) | Birds | Birds | Multi | Canada | ↑ Roadkill | Negative | YES | 0 | 1 | 0 |
| (Eberhardt et al. 2013) | Mammal | Small mammals | Multi | Canada | ↑ Roadkill | Neutral | YES | - | - | - |
| (Edwards et al. 2016) | Mammal | African wild cat | Single | Namibia | ↓ Population abundance | Neutral | NO | - | - | - |
| (Eisenberg et al. 2014) | Mammal | Elk | Single | Canada and USA | ↑ stress indicators | Neutral | NO | - | - | - |
| (Ejigu et al. 2015) | Mammal | Walia ibex | Single | Ethiopia | ↓ Population abundance | Positive | NO | - | - | - |
| (Erb et al. 2015) | Reptile | Box turtle | Single | USA | ↓ Population abundance | Positive | NO | - | - | - |
| (Erb et al. 2015) | Reptile | Box turtle | Single | USA | ↓ Population abundance | Positive | NO | - | - | - |
| (Fey et al. 2016) | Mammal | Eurasian red squirrel | Single | Finland | ↓ Individual space use | Negative | YES | 1 | 0 | 1 |
| (Fey et al. 2016) | Mammal | Eurasian red squirrel | Single | Finland | Per capita roadkill | Neutral | YES | - | - | - |
| (Flavenot et al. 2015) | Amphibia | common toad | Single | France | ↓ Genetic Diversity | Negative | NO | 0 | 1 | 1 |
| (Flavenot et al. 2015) | Amphibia | natterjack toad | Single | France | ↓ Genetic Diversity | Neutral | NO | - | - | - |
| (Fortney et al. 2012) | Reptile | Snakes | Multi | Canada | ↑ Roadkill | Negative | YES | 0 | 1 | 0 |
| (Fortney et al. 2012) | Reptile | Snakes | Multi | Canada | ↓ Population abundance | Neutral | YES | - | - | - |
| (Fortney et al. 2012) | Reptile | Snakes | Multi | Canada | ↓ Individual space use | Positive | YES | - | - | - |
| (Frakes et al. 2015) | Mammal | Florida panther | Single | USA | ↓ Population abundance | Negative | NO | 1 | 0 | 1 |
| (Francis 2015) | Birds | birds | Multi | USA, Puerto Rico, Netherlands, Canada, Finland, Spain, Switzerland, Germany | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (Francis et al. 2015) | Mammal | Squirrel glider | Single | Australia | ↓ Population abundance | Negative | YES | 1 | 0 | 1 |
| (Francis et al. 2015) | Mammal | Squirrel glider | Single | Australia | ↓ Population abundance | Negative | YES | 1 | 0 | 1 |
| (Francis et al. 2015) | Mammal | Squirrel glider | Single | Australia | ↓ Population abundance | Negative | YES | 1 | 0 | 1 |
| (Frantz et al. 2012) | Mammal | Red deer | Single | Belgium | ↑ Genetic difference | Negative | YES | 0 | 0 | 1 |
| (Frantz et al. 2012) | Mammal | Wild boar | Single | Belgium | ↑ Genetic difference | Neutral | YES | - | - | - |
| (Freitas et al. 2012) | Mammal | Small mammals (forest specialists) | Multi | Brazil | ↓ Population abundance | Negative | YES | 1 | 1 | 1 |
| (Freitas et al. 2012) | Mammal | Small mammals (habitat generalists) | Multi | Brazil | ↓ Population abundance | Negative | YES | 1 | 1 | 1 |
| (Froese et al. 2015) | Mammal | Anoa | Single | Indonesia | ↓ Population abundance | Positive | NO | - | - | - |
| (Froese et al. 2015) | Mammal | Booted macaque | Single | Indonesia | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Froese et al. 2015) | Birds | Red jungle fowl | Single | Indonesia | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Froese et al. 2015) | Mammal | Sulawesi warty pig | Single | Indonesia | ↓ Population abundance | Neutral | NO | - | - | - |
| (Gabrielsen et al. 2013) | Amphibia | Wood frog | Single | USA | ↑ Genetic difference | Negative | NO | 1 | 1 | 1 |
| (Gagné et al. 2015) | Birds | barred owl | Single | USA | ↑ Roadkill | Negative | YES | 0 | 1 | 0 |
| (Gastón et al. 2016) | Mammal | Iberian lynx | Single | Spain and Portugal | ↓ Individual space use | Negative | NO | 0 | 0 | 0 |
| (Gastón et al. 2016) | Mammal | Iberian lynx | Single | Spain and Portugal | ↓ Individual space use | Neutral | NO | - | - | - |
| (Geiser et al. 2013) | Invertebrates | Slow worms | Single | Switzerland | ↑ Genetic difference | Negative | NO | 0 | 0 | 1 |
| (Gillan et al. 2013) | Birds | Sage-grouse | Single | USA | ↓ Individual space use | Neutral | YES | - | - | - |
| (Grace and Anderson 2015) | Birds | Carolina chickadee | Single | USA | ↑ stress indicators | Neutral | YES | - | - | - |
| (Granados et al. 2012) | Mammal | Elephant | Single | Cameroon | ↓ Individual space use | Negative | NO | 1 | 0 | 1 |
| (Gravel et al. 2012) | Amphibia | Mole salamanders | Single | Canada | ↓ Population abundance | Negative | YES | 0 | 0 | 1 |
| (Gravel et al. 2012) | Amphibia | American toads | Single | Canada | ↓ Population abundance | Neutral | YES | - | - | - |
| (Gravel et al. 2012) | Amphibia | Green frogs | Single | Canada | ↓ Population abundance | Negative | YES | 1 | 1 | 0 |
| (Gravel et al. 2012) | Amphibia | Wood frogs | Single | Canada | ↓ Population abundance | Negative | YES | 1 | 0 | 1 |
| (Green and Bailey 2015) | Amphibia | Wood frog | Single | USA | ↓ Reproduction, growth and survival | Negative | NO | 1 | 0 | 0 |
| (Grilo et al. 2014) | Birds | Barn owls | Single | Portugal | ↓ Population abundance | Negative | YES | 1 | 1 | 0 |
| (Grilo et al. 2014) | Birds | Tawny owls | Single | Portugal | ↓ Population abundance | Neutral | YES | - | - | - |
| (Grilo et al. 2014) | Birds | Little owls | Single | Portugal | ↓ Population abundance | Neutral | YES | - | - | - |
| (Grilo et al. 2014) | Birds | Barn owls | Single | Portugal | ↑ Roadkill | Negative | YES | 0 | 1 | 0 |
| (Grilo et al. 2014) | Birds | Tawny owls | Single | Portugal | ↑ Roadkill | Neutral | YES | - | - | - |
| (Grilo et al. 2014) | Birds | Little owls | Single | Portugal | ↑ Roadkill | Neutral | YES | - | - | - |
| (Grilo et al. 2015) | Birds | Barn owl | Single | Portugal | ↓ Roadkill | Negative | YES | 1 | 1 | 1 |
| (Grilo et al. 2015) | Mammal | Hedgehog | Single | Portugal | ↓ Roadkill | Negative | YES | 1 | 1 | 1 |
| (Grilo et al. 2015) | Mammal | Rabbit | Single | Portugal | ↓ Roadkill | Negative | YES | 1 | 1 | 1 |
| (Grilo et al. 2015) | Mammal | Red fox | Single | Portugal | ↓ Roadkill | Negative | YES | 1 | 1 | 1 |
| (Grilo et al. 2016) | Mammal | Southern water vole | Single | Spain | ↓ Genetic Diversity | Neutral | YES | - | - | - |
| (Grilo et al. 2016) | Mammal | Southern water vole | Single | Spain | ↑ Genetic difference | Neutral | YES | - | - | - |
| (Grilo et al. 2016) | Mammal | Mediterranean pine vole | Single | Spain | ↓ Genetic Diversity | Neutral | YES | - | - | - |
| (Grilo et al. 2016) | Mammal | Mediterranean pine vole | Single | Spain | ↑ Genetic difference | Neutral | YES | - | - | - |
| (Grilo et al. 2016) | Mammal | Algerian mouse | Single | Spain | ↓ Genetic Diversity | Neutral | YES | - | - | - |
| (Grilo et al. 2016) | Mammal | Algerian mouse | Single | Spain | ↑ Genetic difference | Neutral | YES | - | - | - |
| (Grubb et al. 2013) | Birds | Northern goshawk | Single | USA | ↑ stress indicators | Neutral | YES | - | - | - |
| (Halfwerk et al. 2012) | Birds | Great tit | Single | Netherlands | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Hamer 2016) | Anuran | Anuran | Multi | Australia | ↓ Diversity | Neutral | Yes | - | - | - |
| (Hamer 2016) | Anuran | Anuran | Multi | Australia | ↓ Diversity | Negative | Yes | 1 | 1 | 1 |
| (Hamer et al. 2016) | Reptile | Common long-necked turtle | Single | Australia | ↓ Population growth / mean body size | Positive | YES | - | - | - |
| (Hamer et al. 2016) | Reptile | Common long-necked turtle | Single | Australia | ↓ Population growth / mean body size | Neutral | YES | - | - | - |
| (Hanley and Wilkins 2015) | Invertebrates | bumblebees | Multi | England | ↓ Population abundance | Positive | YES | - | - | - |
| (Harris et al. 2014) | Mammal | Moose | Single | USA | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Hasegawa et al. 2015) | Invertebrates | Collembola | Multi | Japan | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (Hasegawa et al. 2015) | Invertebrates | Collembola | Multi | Japan | ↓ Diversity | Negative | YES | 1 | 0 | 0 |
| (Haskell et al. 2013) | Mammal | Carnivores | Multi | USA | ↓ Population abundance | Negative | NO | 0 | 0 | 1 |
| (Haurez et al. 2018) | Mammal | Western lowland gorilla | Single | Gabon | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Haurez et al. 2018) | Mammal | Western lowland gorilla | Single | Gabon | ↓ Population abundance | Neutral | NO | - | - | - |
| (Heurich et al. 2012) | Mammal | Roe Deer | Single | Germany and Czech Republic | Per capita roadkill | Negative | NO | 0 | 0 | 0 |
| (Hof and Bright 2012) | Mammal | Hedgehog | Single | Great Britain | ↓ Population abundance | Positive | NO | - | - | - |
| (Holá et al. 2015) | Birds | Ring necked pheasant | Single | Czech Republic | ↓ Population abundance | Negative | NO | 0 | 1 | 0 |
| (Holbrook et al. 2015) | Birds | Red-naped sapsuckers | Single | USA | ↓ Population abundance | Positive | NO | - | - | - |
| (Holloran et al. 2015) | Birds | Greater sage-grouse | Single | USA | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Holzer 2014) | Amphibia | Amphibians | Multi | USA | ↓ Diversity | Neutral | NO | - | - | - |
| (Hopkins et al. 2013) | Amphibia | Rough-skinned newt | Single | USA | ↓ Reproduction, growth and survival | Negative | YES | 1 | 0 | 0 |
| (Hosaka et al. 2014) | Invertebrates | Dung beetle | Multi | Malaysia | ↓ Diversity | Negative | NO | 1 | 0 | 1 |
| (Hovick et al. 2015) | Birds | Prairie Grouse | Single | USA | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Hovick et al. 2015) | Birds | Prairie Grouse | Single | USA | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Hu et al. 2016) | Birds | Crested ibis | Single | China | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Hubbard et al. 2016) | Reptile | Northern Sagebrush Lizards and Plateau Fence Lizards (same genus) | Multi | USA | ↓ Population abundance | Neutral | YES | - | - | - |
| (Hubbard et al. 2016) | Reptile | Greater Short-Horned Lizards | Single | USA | ↓ Population abundance | Neutral | YES | - | - | - |
| (Husby and Husby 2014) | Birds | Birds | Multi | Norway | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Jack et al. 2015) | Birds | Birds | Multi | Canada | ↓ Population abundance | Negative | YES | 0 | 1 | 0 |
| (Jerina 2012) | Mammal | Red deer | Single | Slovenia | ↓ Individual space use | Negative | NO | 1 | 0 | 1 |
| (Jiang et al. 2014) | Mammal | Amur tiger | Single | China | ↓ Population abundance | Negative | NO | 1 | 1 | 1 |
| (Johnson et al. 2013) | Vertebrates | Vertebrates | Multi | USA | ↓ Diversity | Negative | NO | 0 | 0 | 1 |
| (Johnson et al. 2013) | Invertebrates | Invertebrates | Multi | USA | ↓ Diversity | Negative | NO | 0 | 0 | 1 |
| (Johnson et al. 2015) | Mammal | Caribou | Single | Canada | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Jongsma et al. 2014) | Amphibia | Amphibians | Multi | Ecuador | ↓ Diversity | Negative | NO | 0 | 0 | 0 |
| (Kaiser et al. 2015) | Amphibia | White's treefrog | Single | USA | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Kaiser et al. 2015) | Amphibia | White's treefrog | Single | USA | ↓ Reproduction, growth and survival | Negative | YES | 1 | 0 | 0 |
| (Kaiser et al. 2015) | Amphibia | White's treefrog | Single | USA | ↓ Reproduction, growth and survival | Negative | YES | 1 | 0 | 0 |
| (Kambourova-Ivanova et al. 2012) | Vertebrates | Vertebrates | Multi | Bulgaria | ↓ Roadkill | Negative | NO | 0 | 1 | 0 |
| (Kaminski and Islam 2013) | Birds | Cerulean Warblers | Single | USA | ↓ Population abundance | Positive | NO | - | - | - |
| (Kang et al. 2014) | Mammal | Panda | Single | China | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (Karelus et al. 2016) | Mammal | Black bear | Single | USA | ↓ Individual space use | Positive | NO | - | - | - |
| (Karelus et al. 2016) | Mammal | Black bear | Single | USA | ↓ Individual space use | Negative | NO | 1 | 0 | 0 |
| (Kaunert and McBrayer 2015) | Reptile | Florida Scrub Lizard | Single | USA | ↓ Population abundance | Positive | NO | - | - | - |
| (Keret et al. 2015) | Invertebrates | Egyptian cotton leaf worm moth | single | Israel | ↓ Homing | Negative | YES | 1 | 1 | 1 |
| (Kern and Radford 2016) | Mammal | Dwarf mongooses | Single | South Africa | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Kern and Radford 2016) | Mammal | Dwarf mongooses | Single | South Africa | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Khaleghizadeh and Anuar 2014) | Birds | Brahminy kite | Single | Malaysia | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Kouffeld et al. 2013) | Birds | Ruffed grouse | Single | USA | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Kowal and Cartar 2012) | Invertebrates | Spiders | Multi | Canada | ↓ Diversity | Neutral | NO | - | - | - |
| (Kowal and Cartar 2012) | Invertebrates | Spiders | Multi | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Kowalski et al. 2015) | Mammal | Medium-sized carnivores | Single | USA | ↓ Population abundance | Neutral | NO | - | - | - |
| (Kowalski et al. 2015) | Mammal | Gray fox | Single | USA | ↓ Population abundance | Neutral | NO | - | - | - |
| (Kowalski et al. 2015) | Mammal | Raccon | Single | USA | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Kowalski et al. 2015) | Mammal | Stripped-skunk | Single | USA | ↓ Population abundance | Neutral | NO | - | - | - |
| (Kowalski et al. 2015) | Mammal | Bobcat | Single | USA | ↓ Population abundance | Neutral | NO | - | - | - |
| (Lampe et al. 2012) | Invertebrates | Grasshopper | Single | Germany | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Laporte and Beaudry 2013) | Reptile | Painted turtles | Single | Canada | ↓ Genetic Diversity | Negative | YES | 1 | 1 | 0 |
| (Laporte and Beaudry 2013) | Reptile | Painted turtles | Single | Canada | ↓ Population abundance | Negative | YES | 1 | 1 | 0 |
| (Laurence et al. 2013) | Mammal | Muskrat | Single | Canada | ↑ Genetic difference | Positive | NO | - | - | - |
| (Lawes et al. 2012) | Mammal | Pygmy rabbit | Single | USA | ↓ Homing | Negative | NO | 1 | 1 | 1 |
| (Lawes et al. 2012) | Mammal | Pygmy rabbit | Single | USA | ↓ Reproduction, growth and survival | Negative | NO | 1 | 1 | 1 |
| (Leblond et al. 2013) | Mammal | Caribou | Single | Canada | ↓ Individual space use | Negative | YES | 1 | 0 | 1 |
| (Leblond et al. 2013) | Mammal | Caribou | Single | Canada | ↓ Population abundance | Negative | YES | 1 | 0 | 1 |
| (Leblond et al. 2015) | Mammal | Moose | Single | Canada | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Leclerc et al. 2012) | Mammal | Moose | Single | Canada | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Lee et al. 2012) | Mammal | Bobcat | Single | USA | ↑ Genetic difference | Negative | YES | 0 | 0 | 1 |
| (Legagneux and Ducatez 2013) | Birds | European birds | Multi | France | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Lin 2015) | Mammal | Small mammals | Multi | China | ↓ Population abundance | Positive | YES | - | - | - |
| (Lin 2015) | Invertebrates | Invertebrates | Multi | China | ↓ Population abundance | Positive | YES | - | - | - |
| (Lin 2015) | Amphibia | Amphibians | Multi | China | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (Lin et al. 2015) | Reptile | Chinese Pond Turtle | Single | China | ↓ Population abundance | Negative | NO | 1 | 1 | 0 |
| (Litvaitis et al. 2015) | Mammal | Bobcat | Single | USA | ↑ Roadkill | Negative | YES | 0 | 1 | 0 |
| (Litvaitis et al. 2015) | Mammal | Bobcat | Single | USA | ↓ Individual space use | Negative | YES | 1 | 0 | 0 |
| (Litvaitis et al. 2015) | Mammal | Bobcat | Single | USA | ↑ Genetic difference | Negative | YES | 0 | 0 | 1 |
| (Llaneza et al. 2012) | Mammal | Wolf | Single | Spain | ↓ Population abundance | Negative | NO | 0 | 0 | 0 |
| (Ludlow et al. 2015) | Birds | Savannah Sparrow | Single | Canada | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Ludlow et al. 2015) | Birds | Western Meadowlark | Single | Canada | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Ludlow et al. 2015) | Birds | Baird’s Sparrows | Single | Canada | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Ludlow et al. 2015) | Birds | Vesper sparrows | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Ludlow et al. 2015) | Birds | Sprague’s Pipits | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Ludlow et al. 2015) | Birds | Birds | Multi | Canada | ↓ Reproduction, growth and survival | Neutral | NO | - | - | - |
| (Luepold et al. 2015) | Birds | Rusty Blackbirds | Single | USA | ↓ Reproduction, growth and survival | Neutral | NO | - | - | - |
| (Lukanov et al. 2014) | Amphibia | Marsh Frog | Single | Bulgaria | ↓ Individual space use | Negative | YES | 1 | 0 | 0 |
| (Lukanov et al. 2014) | Amphibia | Marsh Frog | Single | Bulgaria | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Lunde et al. 2016) | Mammal | Impala | Single | Tanzania | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Luo et al. 2015) | Mammal | Daubenton’s bat | Single | Germany | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Luther and Derryberry 2012) | Birds | White-crowned sparrow | Single | USA | ↑ stress indicators | Negative | NO | 1 | 0 | 0 |
| (Luther and Derryberry 2012) | Birds | White-crowned sparrow | Single | USA | ↑ stress indicators | Neutral | NO | - | - | - |
| (Mammides et al. 2015) | Birds | Birds | Multi | Cyprus | ↓ Diversity | Negative | YES | 1 | 0 | 1 |
| (Mammides et al. 2016) | Birds | Birds | Multi | Cyprus | ↓ Diversity | Negative | YES | 1 | 0 | 0 |
| (Manikowska-Ślepowrońska et al. 2015) | Birds | Grey Herons | Single | Poland | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Manikowska-Ślepowrońska et al. 2016) | Birds | Grey Heron | Single | Poland | ↓ Reproduction, growth and survival | Negative | NO | 1 | 0 | 0 |
| (Marshall et al. 2012) | Birds | Golden-cheeked warbler | Single | USA | ↓ Population abundance | Neutral | NO | - | - | - |
| (Marshall et al. 2012) | Birds | Golden-cheeked warbler | Single | USA | ↓ Reproduction, growth and survival | Neutral | NO | - | - | - |
| (Maynard et al. 2016) | Reptile | Reptiles | Multi | Ecuador | ↓ Diversity | Negative | YES | 1 | 0 | 0 |
| (Maynard et al. 2016) | Amphibia | Amphibians | Multi | Ecuador | ↓ Diversity | Negative | YES | 1 | 0 | 0 |
| (McCleery et al. 2015) | Mammal | Mammals | Multi | USA | ↓ Diversity | Neutral | YES | - | - | - |
| (McCleery et al. 2015) | Birds | Birds | Multi | USA | ↓ Diversity | Negative | YES | 1 | 1 | 0 |
| (Mcclure et al. 2013) | Birds | Birds | Multi | USA | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (McLaughlin and Kunc 2013) | Birds | European robin | Single | Northern Ireland | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (McLaughlin and Kunc 2013) | Birds | European robin | Single | Northern Ireland | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Meillère et al. 2015a) | Birds | House sparrow | Single | France | ↓ Population abundance | Neutral | YES | - | - | - |
| (Meillère et al. 2015a) | Birds | House sparrow | Single | France | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Meillère et al. 2015a) | Birds | House sparrow | Single | France | ↓ Reproduction, growth and survival | Neutral | YES | - | - | - |
| (Meillère et al. 2015b) | Birds | House sparrow | Single | France | ↓ Reproduction, growth and survival | Negative | YES | 1 | 0 | 0 |
| (Meillère et al. 2015b) | Birds | House sparrow | Single | France | ↓ Reproduction, growth and survival | Neutral | YES | - | - | - |
| (Meillère et al. 2015b) | Birds | House sparrow | Single | France | ↑ stress indicators | Neutral | YES | - | - | - |
| (Meisingset et al. 2013) | Mammal | Red deer | Single | Norway | ↓ Individual space use | Negative | YES | 1 | 0 | 0 |
| (Meisingset et al. 2013) | Mammal | Red deer | Single | Norway | ↓ Individual space use | Neutral | YES | - | - | - |
| (Meisingset et al. 2014) | Mammal | Red deer | Single | Norway | ↑ Roadkill | Negative | YES | 0 | 1 | 0 |
| (Millar and Blouin-Demers 2012) | Reptile | Blanding’s turtle | Single | Canada | ↓ Population abundance | Negative | NO | 0 | 1 | 1 |
| (Montague et al. 2013) | Birds | European robin | Single | Northern Ireland | ↑ stress indicators | Negative | NO | 1 | 0 | 0 |
| (Montgomery et al. 2012) | Mammal | Elk | Single | USA | ↓ Individual space use | Negative | YES | 1 | 0 | 0 |
| (Moreau et al. 2012) | Mammal | Forest-dwelling caribou | Single | Canada | ↓ Individual space use | Negative | NO | 1 | 0 | 0 |
| (Moreau et al. 2012) | Mammal | Forest-dwelling caribou | Single | Canada | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Moreira-Arce et al. 2015) | Mammal | Kodkod cat | Single | Chile | ↓ Population abundance | Neutral | NO | - | - | - |
| (Moreira-Arce et al. 2015) | Mammal | Chilla fox | Single | Chile | ↓ Population abundance | Neutral | NO | - | - | - |
| (Moreira-Arce et al. 2015) | Mammal | Lesser grison | Single | Chile | ↓ Population abundance | Neutral | NO | - | - | - |
| (Moreira-Arce et al. 2015) | Mammal | Culpeo fox | Single | Chile | ↓ Population abundance | Negative | NO | 1 | 1 | 1 |
| (Moreira-Arce et al. 2015) | Mammal | Darwin's fox | Single | Chile | ↓ Population abundance | Negative | NO | 1 | 1 | 1 |
| (Moreira-Arce et al. 2015) | Mammal | Cougar | Single | Chile | ↓ Population abundance | Negative | NO | 1 | 1 | 1 |
| (Moreira-Arce et al. 2015) | Mammal | Skunk | Single | Chile | ↓ Population abundance | Negative | NO | 1 | 1 | 1 |
| (Morelli 2013) | Birds | Red-backed Shrike | Single | Italy | ↓ Population abundance | Positive | YES | - | - | - |
| (Morelli et al. 2012) | Birds | Red-backed shrikes | Single | Italy | ↓ Population abundance | Neutral | NO | - | - | - |
| (Morelli et al. 2015a) | Birds | 38 bird species | Single | Italy | ↓ Population abundance | Neutral | YES | - | - | - |
| (Morelli et al. 2015a) | Birds | 17 bird species | Single | Italy | ↓ Population abundance | Positive | YES | - | - | - |
| (Morelli et al. 2015a) | Birds | 6 bird species | Single | Italy | ↓ Population abundance | Negative | YES | 0 | 0 | 0 |
| (Morelli et al. 2015b) | Birds | Red-backed Shrike | Single | Italy and Poland | ↓ Reproduction, growth and survival | Positive | NO | - | - | - |
| (Morelli et al. 2015b) | Birds | Red-backed Shrike | Single | Italy and Poland | ↓ Reproduction, growth and survival | Neutral | NO | - | - | - |
| (Morovati et al. 2014) | Mammal | Wild goat | Single | Iran | ↓ Population abundance | Neutral | NO | - | - | - |
| (Morovati et al. 2015) | Mammal | Cheetah | Single | Iran | ↓ Population abundance | Negative | NO | 0 | 1 | 0 |
| (Mulero-Pázmány et al. 2016) | Mammal | Impala | Single | South Africa | ↑ stress indicators | Neutral | YES | - | - | - |
| (Mulero-Pázmány et al. 2016) | Mammal | Impala | Single | South Africa | ↓ Population abundance | Negative | YES | 1 | 0 | 1 |
| (Muller et al. 2014) | Mammal | White-tailed deer | Single | USA | ↑ Roadkill | Negative | YES | 0 | 1 | 0 |
| (Munguia-vega et al. 2013) | Reptile | Black-tailed brush lizard | Single | Mexico | ↑ Genetic difference | Negative | NO | 0 | 1 | 1 |
| (Munro et al. 2012) | Mammal | White-tailed deer | Single | USA and Canada | Per capita roadkill | Negative | YES | 0 | 1 | 0 |
| (Munro et al. 2012) | Mammal | White-tailed deer | Single | USA and Canada | ↓ Population abundance | Positive | YES | - | - | - |
| (Munshi-South 2012) | Mammal | White-footed mouse | Single | USA | ↑ Genetic difference | Positive | NO | - | - | - |
| (Murrieta-Galindo et al. 2013) | Amphibia | Amphibians | Multi | Mexico | ↓ Diversity | Neutral | NO | - | - | - |
| (Murrow et al. 2013) | Mammal | Florida panther (puma) | Single | USA | ↓ Population abundance | Negative | NO | 1 | 1 | 1 |
| (Mustonen et al. 2012) | Mammal | Racoon dog | Single | Finland | ↓ Individual space use | Positive | NO | - | - | - |
| (Mutter et al. 2015) | Birds | Brewer’s Sparrows | Single | USA | ↓ Population abundance | Neutral | NO | - | - | - |
| (Mutter et al. 2015) | Birds | Sagebrush Sparrow | Single | USA | ↓ Population abundance | Neutral | NO | - | - | - |
| (Mutter et al. 2015) | Birds | Brewer’s Sparrows | Single | USA | ↓ Population abundance | Neutral | NO | - | - | - |
| (Mutter et al. 2015) | Birds | Sagebrush Sparrow | Single | USA | ↓ Population abundance | Negative | NO | 1 | 0 | 1 |
| (Mutter et al. 2015) | Birds | Sage Thrasher | Single | USA | ↓ Population abundance | Negative | NO | 1 | 0 | 1 |
| (Nafus et al. 2013) | Reptile | Agassiz’s desert tortoise | Single | USA | ↓ Population abundance | Negative | YES | 1 | 1 | 0 |
| (Nafus et al. 2013) | Reptile | Agassiz’s desert tortoise | Single | USA | ↓ Population abundance | Negative | YES | 0 | 1 | 0 |
| (Nakabayashi et al. 2014) | Mammal | Common palm civet | Single | Malaysia | ↓ Population abundance | Positive | YES | - | - | - |
| (Nakabayashi et al. 2014) | Mammal | Common palm civet | Single | Malaysia | ↓ Individual space use | Positive | YES | - | - | - |
| (Neame et al. 2013) | Invertebrates | Ground nesters | Multi | Canada | ↓ Population abundance | Negative | NO | 1 | 0 | 1 |
| (Neame et al. 2013) | Invertebrates | Cavity nesters | Multi | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Neame et al. 2013) | Invertebrates | Brood parasites | Multi | Canada | ↓ Population abundance | Positive | NO | - | - | - |
| (Neame et al. 2013) | Invertebrates | Flower flies | Multi | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Neame et al. 2013) | Invertebrates | Ground nesters | Multi | Canada | ↓ Diversity | Neutral | NO | - | - | - |
| (Neame et al. 2013) | Invertebrates | Cavity nesters | Multi | Canada | ↓ Diversity | Neutral | NO | - | - | - |
| (Neame et al. 2013) | Invertebrates | Brood parasites | Multi | Canada | ↓ Diversity | Positive | NO | - | - | - |
| (Neame et al. 2013) | Invertebrates | Flower flies | Multi | Canada | ↓ Diversity | Neutral | NO | - | - | - |
| (Neumann et al. 2013) | Mammal | Moose | Single | Sweden | ↓ Individual space use | Negative | NO | 1 | 0 | 0 |
| (Norris et al. 2013) | Birds | Gray jays | Single | Canada | ↓ Population growth / mean body size | Negative | NO | 0 | 1 | 0 |
| (Northrup et al. 2012) | Mammal | Grizzly bear | Single | Canada | ↓ Individual space use | Negative | YES | 1 | 0 | 0 |
| (Northrup et al. 2015) | Mammal | mule deer | Single | USA | ↓ Individual space use | Negative | NO | 1 | 0 | 0 |
| (Nyhof and Trulio 2015) | Reptile | Western pond turtles | Single | USA | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Oden et al. 2015) | Birds | Black-capped Chickadees | Single | USA | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Oden et al. 2015) | Birds | American Goldfinches | Single | USA | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Orci et al. 2016) | Invertebrates | Tree cricket | Single | Hungary | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Ordiz et al. 2015) | Mammal | Scandinavian wolf | Single | Norway and Sweden | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Owens et al. 2012) | Birds | Carolina chickadee and titimice | Multi | USA | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Owens et al. 2012) | Birds | Carolina chickadee and titimice | Multi | USA | ↑ stress indicators | Neutral | YES | - | - | - |
| (Parks et al. 2015) | Mammal | mountain goat | Single | Canada and USA | ↑ Genetic difference | Negative | NO | 0 | 0 | 1 |
| (Patthey et al. 2012) | Birds | Black grouse | Single | Switzerland | ↓ Individual space use | Negative | NO | 1 | 0 | 0 |
| (Peaden et al. 2015) | Reptile | Mojave desert tortoises | Single | USA | ↓ Population abundance | Negative | YES | 1 | 1 | 0 |
| (Petranka and Francis 2013) | Amphibia | Spotted salamanders | Single | USA | ↓ Reproduction, growth and survival | Neutral | YES | - | - | - |
| (Petranka and Francis 2013) | Amphibia | Spotted salamanders | Single | USA | ↓ Reproduction, growth and survival | Negative | YES | 1 | 0 | 0 |
| (Petranka and Francis 2013) | Amphibia | Spotted salamanders | Single | USA | ↓ Reproduction, growth and survival | Neutral | YES | - | - | - |
| (Petranka and Francis 2013) | Amphibia | Spotted salamanders | Single | USA | ↓ Reproduction, growth and survival | Neutral | YES | - | - | - |
| (Pettinga et al. 2016) | BIrds | Songbirds | Multi | USA | ↑ stress indicators | Neutral | YES | - | - | - |
| (Pigeon et al. 2014) | Mammal | Grizzly bear | Single | Canada | ↓ Individual space use | Negative | NO | 1 | 0 | 0 |
| (Pinard et al. 2012) | Mammal | Forest-dwelling caribou | Single | Canada | ↓ Individual space use | Negative | NO | 1 | 0 | 1 |
| (Pisa et al. 2015) | Amphibia | fire salamander | Single | Italy | ↑ Genetic difference | Negative | NO | 0 | 0 | 1 |
| (Planillo and Malo 2013) | Mammal | European rabbit | Single | Spain | ↓ Population abundance | Negative | YES | 1 | 1 | 0 |
| (Planillo and Malo 2013) | Mammal | Carnivores (predators) | Multi | Spain | ↓ Population abundance | Negative | YES | 0 | 0 | 0 |
| (Planillo et al. 2015) | Birds | Red kite | Single | Spain | ↓ Population abundance | Positive | YES | - | - | - |
| (Planillo et al. 2015) | Birds | Raptors | Single | Spain | ↓ Population abundance | Neutral | YES | - | - | - |
| (Planillo et al. 2015) | Birds | Griffon vultures | Single | Spain | ↓ Population abundance | Negative | YES | 1 | 1 | 0 |
| (Planillo et al. 2015) | Birds | Raptors | Multi | Spain | ↓ Diversity | Positive | YES | - | - | - |
| (Planillo et al. 2015) | Birds | Raptors | Multi | Spain | ↓ Diversity | Negative | YES | 1 | 1 | 0 |
| (Planillo et al. 2015) | Birds | Raptors | Multi | Spain | ↓ Population abundance | Positive | YES | - | - | - |
| (Planillo et al. 2015) | Birds | Raptors | Multi | Spain | ↓ Population abundance | Negative | YES | 1 | 1 | 0 |
| (Poel et al. 2015) | Mammal | Hedgehogs | Single | Holland | ↓ Population abundance | Positive | NO | - | - | - |
| (Poessel et al. 2014) | Mammal | Bobcat | Single | USA | ↓ Individual space use | Neutral | YES | - | - | - |
| (Poessel et al. 2014) | Mammal | Bobcat | Single | USA | ↓ Population abundance | Negative | YES | 0 | 1 | 1 |
| (Potvin and MacDougall-Shackleton 2015a) | Birds | Zebra finches | Single | Canada | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Potvin and MacDougall-Shackleton 2015a) | Birds | Zebra finches | Single | Canada | ↑ stress indicators | Neutral | YES | - | - | - |
| (Potvin and MacDougall-Shackleton 2015b) | Birds | Zebra finches | Single | Canada | ↓ Reproduction, growth and survival | Negative | YES | 1 | 0 | 0 |
| (Proctor et al. 2012) | Mammal | grizzly bear | Single | Canada | ↑ Genetic difference | Negative | NO | 1 | 1 | 1 |
| (Proctor et al. 2015) | Mammal | grizzly bear | Single | Canada and USA | ↓ Individual space use | neutral | YES | - | - | - |
| (Proppe et al. 2013a) | Birds | Black-capped Chickadees | Single | Canada | ↑ stress indicators | Neutral | YES | - | - | - |
| (Proppe et al. 2013a) | Birds | Black-capped Chickadees | Single | Canada | ↓ Reproduction, growth and survival | Neutral | YES | - | - | - |
| (Proppe et al. 2013b) | Birds | Birds | Multi | Canada | ↓ Diversity | Negative | NO | 1 | 0 | 0 |
| (Proppe et al. 2013b) | Birds | Western tanager | Single | Canada | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Proppe et al. 2013b) | Birds | Least flycatcher | Single | Canada | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Proppe et al. 2013b) | Birds | Red-breasted nuthatch | Single | Canada | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Proppe et al. 2013b) | Birds | Black-capped chickadee | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Proppe et al. 2013b) | Birds | Red-eyed vireo | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Proppe et al. 2013b) | Birds | White-throated sparrow | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Proppe et al. 2013b) | Birds | Yellow warbler | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Proulx et al. 2014) | Reptile | Blanding's turtle | Single | Canada | ↓ Individual space use | Negative | YES | 0 | 1 | 1 |
| (Prunier et al. 2014) | Amphibia | Alpine newt | Single | France | ↑ Genetic difference | Neutral | YES | - | - | - |
| (Pusparini et al. 2015) | Mammal | Sumatran Rhinoceros | Single | Sumatra | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Qi et al. 2015) | Mammal | Giant panda | Single | China | ↓ Population abundance | Negative | NO | 1 | 0 | 1 |
| (Quesnelle et al. 2013) | Birds | Red-winged blackbird | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Quesnelle et al. 2013) | Birds | Swamp sparrow | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Quesnelle et al. 2013) | Birds | Marsh wren | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Quesnelle et al. 2013) | Birds | American coot | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Quesnelle et al. 2013) | Birds | Common Moorhen | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Quesnelle et al. 2013) | Birds | Sora | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Quesnelle et al. 2013) | Birds | Virginia rail | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Quesnelle et al. 2013) | Birds | Least bittern | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Quesnelle et al. 2013) | Reptile | Blanding’s turtle | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Quesnelle et al. 2013) | Reptile | Eastern musk turtle | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Quiroga et al. 2016) | Mammal | Puma | Single | Argentina | ↓ Population abundance | Neutral | NO | - | - | - |
| (Raab et al. 2015) | Birds | Great Bustard | Single | Austria and Hungary | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Raab et al. 2015) | Birds | Great Bustard | Single | Austria and Hungary | ↓ Population abundance | Positive | NO | - | - | - |
| (Ramos-robles and Gallina 2013) | Mammal | White-tailed deer | Single | Mexico | ↓ Population abundance | Negative | NO | 1 | 0 | 1 |
| (Raquel et al. 2015) | Birds | birds (waterfowl) | multi | USA | ↓ Reproduction, growth and survival | neutral | NO | - | - | - |
| (Rivas et al. 2015) | Birds | Lesser rheas | Single | Argentina | ↓ Population abundance | Positive | NO | - | - | - |
| (Rivas et al. 2015) | Mammal | Mara | Single | Argentina | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Rivas et al. 2015) | Mammal | Guanaco | Single | Argentina | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Robinson et al. 2012) | Mammal | White-tailed-deer | Single | USA | ↑ Genetic difference | Negative | NO | 0 | 0 | 1 |
| (Robson and Blouin-Demers 2013) | Reptile | Eastern Hognose Snake | Single | Canada | ↓ Individual space use | Negative | YES | 0 | 1 | 1 |
| (Rooney et al. 2012) | Birds | Wetland birds | Multi | Canada | ↓ Diversity | Negative | NO | 0 | 0 | 0 |
| (Rota et al. 2015) | Invertebrates | soil arthropods | Multi | Italy | ↓ Population abundance | Positive | NO | - | - | - |
| (Rota et al. 2015) | Invertebrates | soil arthropods | Multi | Italy | ↓ Diversity | Negative | NO | 1 | 0 | 0 |
| (Rota et al. 2015) | Invertebrates | soil arthropods | Multi | Italy | ↓ Population abundance | Neutral | NO | - | - | - |
| (Rotholz and Mandelik 2013) | Invertebrates | Beetles | Multi | Israel | ↓ Diversity | Positive | YES | - | - | - |
| (Rotholz and Mandelik 2013) | Invertebrates | Spiders | Multi | Israel | ↓ Diversity | Positive | YES | - | - | - |
| (Rotholz and Mandelik 2013) | Invertebrates | Scorpions | Multi | Israel | ↓ Diversity | Neutral | YES | - | - | - |
| (Rotholz and Mandelik 2013) | Invertebrates | Diplopods | Multi | Israel | ↓ Diversity | Neutral | YES | - | - | - |
| (Rotholz and Mandelik 2013) | Mammal | Small mammals | Multi | Israel | ↓ Diversity | Neutral | YES | - | - | - |
| (Rotholz and Mandelik 2013) | Invertebrates | Beetles | Multi | Israel | ↓ Population abundance | Neutral | YES | - | - | - |
| (Rotholz and Mandelik 2013) | Invertebrates | Spiders | Multi | Israel | ↓ Population abundance | Positive | YES | - | - | - |
| (Rotholz and Mandelik 2013) | Invertebrates | Scorpions | Multi | Israel | ↓ Population abundance | Positive | YES | - | - | - |
| (Rotholz and Mandelik 2013) | Invertebrates | Diplopods | Multi | Israel | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (Rotholz and Mandelik 2013) | Mammal | Small mammals | Multi | Israel | ↓ Population abundance | Positive | YES | - | - | - |
| (Ruiz-Capillas et al. 2013a) | Mammal | Greater white-toothed shrew | Single | Spain | ↓ Population abundance | Positive | YES | - | - | - |
| (Ruiz-Capillas et al. 2013a) | Mammal | Algerian mouse | Single | Spain | ↓ Population abundance | Positive | YES | - | - | - |
| (Ruiz-Capillas et al. 2013a) | Mammal | Wood mouse | Single | Spain | ↓ Population abundance | Positive | YES | - | - | - |
| (Ruiz-Capillas et al. 2013b) | Mammal | Small mammals | Multi | Spain | ↓ Population abundance | Positive | YES | - | - | - |
| (Ruiz-Capillas et al. 2013b) | Mammal | Lagomorphs | Multi | Spain | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (Ruiz-Capillas et al. 2013b) | Mammal | Red fox | Single | Spain | ↓ Population abundance | Positive | YES | - | - | - |
| (Ruiz-Capillas et al. 2013b) | Mammal | Mustelids | Multi | Spain | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (Ruiz-capillas et al. 2015) | Mammal | Small mammals | Multi | Spain | ↑ Roadkill | Negative | NO | 0 | 1 | 0 |
| (Sánchez-García et al. 2012) | Mammal | Iberian hare | Single | Spain | Per capita roadkill | Negative | NO | 0 | 1 | 0 |
| (Scobie et al. 2014) | Birds | Burrowing owl | Single | Canada | ↓ Individual space use | Negative | YES | 1 | 0 | 0 |
| (Sexson and Farley 2012) | Birds | Snowy plover | Single | USA | ↓ Reproduction, growth and survival | Negative | NO | 1 | 0 | 0 |
| (Sfougaris et al. 2014) | Birds | Shrike (Lanius minor) | Single | Greece | ↓ Population abundance | Negative | NO | 0 | 0 | 0 |
| (Sfougaris et al. 2014) | Birds | Shrike (Lanius senator) | Single | Greece | ↓ Population abundance | Positive | NO | - | - | - |
| (Sfougaris et al. 2014) | Birds | Shrike (Lanius collurio) | Single | Greece | ↓ Population abundance | Neutral | NO | - | - | - |
| (Shannon et al. 2014) | Mammal | Prairie dog | Single | USA | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (Shannon et al. 2014) | Mammal | Prairie dog | Single | USA | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Shannon et al. 2014) | Mammal | Prairie dog | Single | USA | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Shannon et al. 2016) | Mammal | Wild black-tailed prairie dogs | Single | USA | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Shao et al. 2015) | Birds | Chinese merganser | Single | China | ↓ Population abundance | Positive | NO | - | - | - |
| (Shao et al. 2015) | Birds | Chinese merganser | Single | China | ↓ Population abundance | Positive | NO | - | - | - |
| (Shier et al. 2012) | Mammal | Stephen’s kangaroo rat | Single | USA | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Simek et al. 2015) | Mammal | American black bear | Single | USA | ↓ Population abundance | Negative | YES | 1 | 1 | 1 |
| (Singh et al. 2012) | Mammal | Moose | Single | Sweden and Norway | ↓ Individual space use | Negative | NO | 1 | 1 | 1 |
| (Singh et al. 2012) | Mammal | Moose | Single | Sweden and Norway | ↓ Population abundance | Negative | NO | 1 | 1 | 1 |
| (Skarin et al. 2015) | Mammal | reindeer | Single | Sweden | ↓ Population abundance | Negative | NO | 1 | 0 | 1 |
| (Skarin et al. 2015) | Mammal | reindeer | Single | Sweden | ↓ Individual space use | Negative | NO | 1 | 0 | 1 |
| (Skórka et al. 2013) | Invertebrates | Butterflies | Multi | Poland | ↑ Roadkill | Negative | YES | 0 | 1 | 0 |
| (Skórka et al. 2015) | Invertebrates | Butterflies | Multi | Poland | ↑ Roadkill | Negative | YES | 0 | 1 | 0 |
| (Sliwinski and Koper 2012) | Birds | Baird's Sparrow | Single | Canada | ↓ Population abundance | Negative | NO | 1 | 0 | 1 |
| (Sliwinski and Koper 2012) | Birds | Brown-headed Cowbird | Single | Canada | ↓ Population abundance | Positive | NO | - | - | - |
| (Sliwinski and Koper 2012) | Birds | Chestnut-collared Longspur | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Sliwinski and Koper 2012) | Birds | Clay-colored Sparrow | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Sliwinski and Koper 2012) | Birds | Horned Lark | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Sliwinski and Koper 2012) | Birds | Long-billed Curlew | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Sliwinski and Koper 2012) | Birds | Marbled Godwit | Single | Canada | ↓ Population abundance | Negative | NO | 1 | 0 | 1 |
| (Sliwinski and Koper 2012) | Birds | Savannah Sparrow | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Sliwinski and Koper 2012) | Birds | Sprague’s Pipit | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Sliwinski and Koper 2012) | Birds | Vesper Sparrow | Single | Canada | ↓ Population abundance | Positive | NO | - | - | - |
| (Sliwinski and Koper 2012) | Birds | Western Meadowlark | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Sliwinski and Koper 2012) | Birds | Willet | Single | Canada | ↓ Population abundance | Neutral | NO | - | - | - |
| (Snow and Andelt 2013) | Mammal | San Clement Island fox | Single | USA | ↓ Population abundance | Positive | YES | - | - | - |
| (Snow et al. 2012) | Mammal | San Clement Island fox | Single | USA | Per capita roadkill | Negative | YES | 0 | 1 | 0 |
| (Snow et al. 2012) | Mammal | San Clement Island fox | Single | USA | ↓ Population growth / mean body size | Negative | YES | 0 | 1 | 0 |
| (Snow et al. 2012) | Mammal | San Clement Island fox | Single | USA | ↓ Individual space use | Neutral | YES | - | - | - |
| (Soh et al. 2014) | Mammal | Ungulates | Multi | China | ↓ Population abundance | Negative | NO | 0 | 0 | 0 |
| (Sorensen et al. 2015) | Mammal | grizzly bear | single | Canada | ↓ Individual space use | Neutral | NO | - | - | - |
| (Stephens et al. 2013) | Mammal | Swamp rat | Single | Australia | ↑ Genetic difference | Negative | YES | 0 | 0 | 1 |
| (Stewart et al. 2013) | Mammal | Grizzly bear | Single | Canada | ↓ Population abundance | Positive | YES | - | - | - |
| (Steyaert et al. 2015) | Mammal | Eurasian beaver | Single | Norway | ↓ Population abundance | Positive | NO | - | - | - |
| (Steyaert et al. 2015) | Mammal | Eurasian beaver | Single | Norway | ↓ Individual space use | Negative | NO | 1 | 0 | 0 |
| (Stillfried et al. 2015) | Mammal | Black bears | Single | USA | ↓ Individual space use | Negative | NO | 1 | 1 | 0 |
| (Stonehouse et al. 2015) | Birds | greater sage-grouse | Single | USA | ↓ Individual space use | Negative | NO | 1 | 1 | 0 |
| (Stonehouse et al. 2015) | Birds | Columbian sharp-tailed grouse | Single | USA | ↓ Individual space use | Negative | NO | 1 | 1 | 0 |
| (Strasser and Heath 2013) | Birds | American kestrel | Single | USA | ↓ Reproduction, growth and survival | Negative | YES | 1 | 1 | 0 |
| (Strasser and Heath 2013) | Birds | American kestrel | Single | USA | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Suárez et al. 2013) | Vertebrates | Birds+Mammals | Multi | Ecuador | ↓ Diversity | Negative | YES | 1 | 0 | 1 |
| (Suárez et al. 2013) | Vertebrates | Birds+Mammals | Multi | Ecuador | ↓ Population abundance | Negative | YES | 1 | 0 | 1 |
| (Syrbe et al. 2013) | Birds | Wetland/water bird species | Multi | Germany | ↓ Diversity | Negative | NO | 0 | 0 | 0 |
| (Syrbe et al. 2013) | Birds | Open-country bird species | Multi | Germany | ↓ Diversity | Negative | NO | 0 | 0 | 1 |
| (Syrbe et al. 2013) | Birds | Forest bird species | Multi | Germany | ↓ Diversity | Negative | NO | 0 | 0 | 0 |
| (Takahata et al. 2013) | Mammal | Asiatic black bear | Single | Japan | ↓ Individual space use | Positive | NO | - | - | - |
| (Tanadini et al. 2012) | Amphibia | Salamander | Single | Switzerland | ↓ Population abundance | Positive | NO | - | - | - |
| (Tanner et al. 2016) | Birds | Northen bobwhite | Single | USA | ↓ Reproduction, growth and survival | Negative | NO | 1 | 1 | 0 |
| (Taraborelli et al. 2014) | Mammal | Guanaco | Single | Argentina | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Taraborelli et al. 2014) | Mammal | Guanaco | Single | Argentina | ↑ stress indicators | Negative | NO | 1 | 0 | 0 |
| (Tattoni et al. 2015) | Mammal | Eurasian brown bear | Single | Italy | ↓ Population abundance | Neutral | NO | - | - | - |
| (Taylor et al. 2016) | Mammal | Pronghorn | Single | USA | ↓ Reproduction, growth and survival | Negative | NO | 1 | 1 | 0 |
| (Tennessen et al. 2014) | Amphibia | Wood frog | Single | USA | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Tennessen et al. 2014) | Amphibia | Wood frog | Single | USA | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Thompson et al. 2015) | Birds | Birds | Multi | USA | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Thompson et al. 2015) | Birds | Bobolink | Single | USA | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Thompson et al. 2015) | Birds | Savannah sparrow | Single | USA | ↓ Population abundance | Negative | NO | 1 | 0 | 0 |
| (Thompson et al. 2015) | Birds | Brown-headed cowbird | Single | USA | ↓ Population abundance | Neutral | NO | - | - | - |
| (Thurfjell et al. 2015) | Mammal | Wild boar | Single | Sweden | ↓ Roadkill | Negative | YES | 1 | 1 | 0 |
| (Timmer et al. 2014) | Birds | Lesser prairie-chickens | Single | USA | ↓ Population abundance | Negative | NO | 1 | 0 | 1 |
| (Trochet et al. 2016) | Amphibia | Palmate newts | SIngle | France | ↓ Population growth / mean body size | Negative | NO | 0 | 1 | 0 |
| (Troïanowski et al. 2015) | Amphibia | European treefrog | Single | France | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Uboni et al. 2015) | Mammal | Wolf | single | USA | ↓ Individual space use | Neutral | NO | - | - | - |
| (Valero et al. 2015) | Mammal | roe deer and wild boar | Multi | Spain | ↑ Roadkill | Negative | YES | 0 | 1 | 1 |
| (Vanthomme et al. 2013) | Mammal | Forest elephant | Single | Gabon | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (Vanthomme et al. 2013) | Mammal | Buffalo | Single | Gabon | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (Vanthomme et al. 2013) | Mammal | Sitatunga | Single | Gabon | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (Vanthomme et al. 2013) | Mammal | Yellow-backed duiker | Single | Gabon | ↓ Population abundance | Neutral | YES | - | - | - |
| (Vanthomme et al. 2013) | Mammal | Blue Duiker | Single | Gabon | ↓ Population abundance | Neutral | YES | - | - | - |
| (Vanthomme et al. 2013) | Mammal | Red duikers | Single | Gabon | ↓ Population abundance | Positive | YES | - | - | - |
| (Vanthomme et al. 2013) | Mammal | Red river hog | Single | Gabon | ↓ Population abundance | Positive | YES | - | - | - |
| (Vanthomme et al. 2013) | Mammal | Water chevrotain | Single | Gabon | ↓ Population abundance | Neutral | YES | - | - | - |
| (Vanthomme et al. 2013) | Mammal | Side-striped jackal | Single | Gabon | ↓ Population abundance | Neutral | YES | - | - | - |
| (Vanthomme et al. 2013) | Mammal | Small terrestrial carnivores | Multi | Gabon | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (Vanthomme et al. 2013) | Mammal | Small terrestrial carnivores | Single | Gabon | ↓ Population abundance | Positive | YES | - | - | - |
| (Vanthomme et al. 2013) | Mammal | Western lowland gorilla | Single | Gabon | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (Vanthomme et al. 2013) | Mammal | Central African chimpanzee | Single | Gabon | ↓ Population abundance | Positive | YES | - | - | - |
| (Vanthomme et al. 2013) | Mammal | Central African chimpanzee | Single | Gabon | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (Vanthomme et al. 2013) | Mammal | Collared mangabey | Single | Gabon | ↓ Population abundance | Positive | YES | - | - | - |
| (Vanthomme et al. 2013) | Mammal | Collared mangabey | Single | Gabon | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (Vanthomme et al. 2013) | Mammal | Spot-nosed monkey | Single | Gabon | ↓ Population abundance | Positive | YES | - | - | - |
| (Vanthomme et al. 2013) | Mammal | Common monkeys | Single | Gabon | ↓ Population abundance | Neutral | YES | - | - | - |
| (Vanthomme et al. 2013) | Mammal | Brushed-tailed porcupine | Single | Gabon | ↓ Population abundance | Neutral | YES | - | - | - |
| (Vanthomme et al. 2013) | Mammal | Giant-pouched rat | Single | Gabon | ↓ Population abundance | Neutral | YES | - | - | - |
| (Vargas-Salinas and Amézquita 2013) | Amphibia | Poison frog | Single | Colombia | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Vargas-Salinas and Amézquita 2013) | Amphibia | Poison frog | Single | Colombia | ↓ Population abundance | Neutral | YES | - | - | - |
| (Vargas-salinas and Cunnington 2014) | Amphibia | American toad | Single | Canada | ↑ stress indicators | Neutral | YES | - | - | - |
| (Vargas-salinas and Cunnington 2014) | Amphibia | Gray treefrog | Single | Canada | ↑ stress indicators | Neutral | YES | - | - | - |
| (Vargas-salinas and Cunnington 2014) | Amphibia | Green frog | Single | Canada | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Vargas-salinas and Cunnington 2014) | Amphibia | Bullfrog | Single | Canada | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Végvári et al. 2016) | Birds | Great bustard | Single | Hungary | ↓ Population abundance | Neutral | NO | - | - | - |
| (Vieira-neto et al. 2016) | Invertebrates | Leaf-cutter ant | Single | Brazil | ↓ Population abundance | Positive | YES | - | - | - |
| (Vieira-neto et al. 2016) | Invertebrates | Leaf-cutter ant | Single | Brazil | ↓ Population growth / mean body size | Positive | YES | - | - | - |
| (Vu et al. 2015) | Invertebrates | Butterflies | Multi | Vietnam | ↓ Diversity | Positive | NO | - | - | - |
| (Walker and Marzluff 2015) | Birds | Common raven | Single | USA | ↓ Population abundance | Positive | NO | - | - | - |
| (Wang et al. 2015) | Birds | Great bustard | Single | China | ↑ stress indicators | Negative | NO | 1 | 0 | 0 |
| (Ware et al. 2015) | Birds | migratory songbirds | Multi | USA | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (Ware et al. 2015) | Birds | migratory songbirds | Multi | USA | ↓ Population growth / mean body size | Negative | YES | 1 | 0 | 0 |
| (Ware et al. 2015) | Birds | white-crowned sparrow | Single | USA | ↑ stress indicators | Negative | YES | 1 | 0 | 0 |
| (Webb et al. 2013) | Mammal | Mule deer | Single | USA | ↓ Individual space use | Negative | NO | 1 | 0 | 0 |
| (Whitworth et al. 2015) | Amphibia | Amphibians | Multi | Ecuador | ↓ Population abundance | Neutral | YES | - | - | - |
| (Whitworth et al. 2015) | Amphibia | Amphibians | Multi | Ecuador | ↓ Diversity | Negative | YES | 1 | 1 | 1 |
| (Whitworth et al. 2015) | Birds | Understorey birds | Multi | Ecuador | ↓ Population abundance | Negative | YES | 1 | 1 | 1 |
| (Whitworth et al. 2015) | Birds | Understorey birds | Multi | Ecuador | ↓ Diversity | Negative | YES | 1 | 1 | 1 |
| (Whitworth et al. 2015) | Birds | Diurnal birds | Multi | Ecuador | ↓ Population abundance | Positive | YES | - | - | - |
| (Whitworth et al. 2015) | Birds | Diurnal birds | Multi | Ecuador | ↓ Diversity | Positive | YES | - | - | - |
| (Whitworth et al. 2015) | Invertebrates | Butterflies | Multi | Ecuador | ↓ Population abundance | Neutral | YES | - | - | - |
| (Whitworth et al. 2015) | Invertebrates | Butterflies | Multi | Ecuador | ↓ Diversity | Positive | YES | - | - | - |
| (Wiącek et al. 2015) | Birds | Birds | Multi | Poland | ↓ Population abundance | Negative | YES | 1 | 1 | 0 |
| (Wiącek et al. 2015) | Birds | Birds (5 spp) | Single | Poland | ↓ Population abundance | Negative | YES | 1 | 1 | 0 |
| (Wiącek et al. 2015) | Birds | Birds | Single | Poland | ↓ Population abundance | Positive | YES | - | - | - |
| (Wiącek et al. 2015) | Birds | Birds | Multi | Poland | ↓ Population abundance | Negative | YES | 1 | 1 | 0 |
| (Wiącek et al. 2015) | Birds | Birds | Multi | Poland | ↓ Diversity | Negative | YES | 1 | 1 | 0 |
| (Wiącek et al. 2015) | Birds | Birds | Multi | Poland | ↓ Diversity | Negative | YES | 1 | 1 | 0 |
| (Wiebe et al. 2013) | Mammal | Marten | Single | Canada | ↓ Population abundance | Positive | NO | - | - | - |
| (Wilson et al. 2016) | Mammal | Wood mouse | Single | Scotland | ↑ Genetic difference | Neutral | NO | - | - | - |
| (Winston and Herz 2015) | Invertebrates | leafcutter ant | single | Panama | ↓ Individual space use | Positive | YES | - | - | - |
| (Winston and Herz 2015) | Invertebrates | leafcutter ant | single | Panama | ↓ Individual space use | Neutral | YES | - | - | - |
| (Yahya et al. 2016) | BIrds | Sunda Scops-owl | Single | Malaysia | ↓ Population abundance | Negative | NO | 1 | 0 | 1 |
| (Yahya et al. 2016) | BIrds | Spotted Wood-owl | Single | Malaysia | ↓ Population abundance | Neutral | NO | - | - | - |
| (Yahya et al. 2016) | BIrds | Common Barn-owl | Single | Malaysia | ↓ Population abundance | Negative | NO | 1 | 0 | 1 |
| (Yahya et al. 2016) | BIrds | Large-tailed Nightjar | Single | Malaysia | ↓ Population abundance | Negative | NO | 1 | 0 | 1 |
| (Yang and Slabbekoorn 2014) | Birds | Eurasian wren | Single | Netherlands | ↑ stress indicators | Neutral | YES | - | - | - |
| (Yrjölä and Santaharju 2015) | Birds | farmland birds | Multi | Finland | ↓ Diversity | neutral | YES | - | - | - |
| (Yrjölä and Santaharju 2015) | Birds | farmland birds | Multi | Finland | ↓ Population abundance | Positive | YES | - | - | - |
| (Zhang et al. 2012) | Birds | Black-faced spoonbills | Single | China | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |
| (Zhang et al. 2012) | Birds | Black-faced spoonbills | Single | China | ↑ stress indicators | Neutral | YES | - | - | - |
| (Zimmerman et al. 2015) | Mammal | Southeastern beach mouse | Single | USA | ↑ Genetic difference | Positive | NO | - | - | - |
| (Zimmermann et al. 2014) | Mammal | Wolves | Single | Sweden and Norway | ↓ Individual space use | Positive | YES | - | - | - |
| (Zimmermann et al. 2014) | Mammal | Wolves | Single | Sweden and Norway | ↓ Individual space use | Neutral | YES | - | - | - |
| (Zimmermann et al. 2014) | Mammal | Wolves | Single | Sweden and Norway | ↓ Population abundance | Negative | YES | 1 | 0 | 0 |

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