

**Supporting Information S2.** Sizes of study design, predator species, intervention and country samples. The samples marked by the asterisk (\*) were excluded from the analyses because their sizes were small ( $n < 5$ ). Abbreviations: BACI – before-after-control-impact.

| Category      | Name                        | Total sample size | No. journal cases | No. non-journal cases |
|---------------|-----------------------------|-------------------|-------------------|-----------------------|
| Study designs | BACI                        | 42                | 31                | 11                    |
|               | Before-after                | 241               | 191               | 50                    |
|               | Control-impact              | 189               | 160               | 29                    |
|               | Crossover                   | 7                 | 7                 | 0                     |
|               | Randomized controlled trial | 29                | 22                | 7                     |
| Species       | African wild dog            | 2*                | 2                 | 0                     |
|               | American black bear         | 68                | 55                | 13                    |
|               | Andean fox                  | 2*                | 2                 | 0                     |
|               | Asiatic black bear          | 7                 | 7                 | 0                     |
|               | Black-backed jackal         | 5                 | 5                 | 0                     |
|               | Brown bear                  | 35                | 30                | 5                     |
|               | Brown hyena                 | 1*                | 1                 | 0                     |
|               | Caracal                     | 3*                | 3                 | 0                     |
|               | Cheetah                     | 14                | 14                | 0                     |
|               | Coyote                      | 86                | 62                | 24                    |
|               | Dhole                       | 1*                | 1                 | 0                     |
|               | Dingo                       | 11                | 9                 | 2                     |
|               | Domestic dog                | 11                | 10                | 1                     |
|               | Eurasian lynx               | 6                 | 3                 | 3                     |
|               | Gray wolf                   | 67                | 52                | 15                    |
|               | Iberian lynx                | 2*                | 2                 | 0                     |
|               | Jaguar                      | 8                 | 7                 | 1                     |
|               | Leopard                     | 32                | 23                | 9                     |
|               | Lion                        | 30                | 28                | 2                     |
|               | Mixed                       | 34                | 26                | 8                     |
|               | Polar bear                  | 10                | 10                | 0                     |
|               | Puma                        | 14                | 13                | 1                     |
|               | Red fox                     | 11                | 11                | 0                     |
| Snow leopard  | 17                          | 9                 | 8                 |                       |
| Spotted hyena | 15                          | 15                | 0                 |                       |
| Sun bear      | 1*                          | 1                 | 0                 |                       |
| Tiger         | 9                           | 4                 | 5                 |                       |
| Wolverine     | 6                           | 6                 | 0                 |                       |
| Interventions | Aversion                    | 139               | 98                | 41                    |
|               | Husbandry                   | 224               | 191               | 33                    |
|               | Invasive management         | 51                | 44                | 7                     |
|               | Lethal control              | 39                | 32                | 7                     |
|               | Mixed interventions         | 8                 | 6                 | 2                     |
|               | Non-invasive management     | 47                | 40                | 7                     |
| Countries     | Afghanistan                 | 1*                | 0                 | 1                     |
|               | Argentina                   | 3*                | 3                 | 0                     |
|               | Australia                   | 14                | 12                | 2                     |
|               | Austria                     | 1*                | 1                 | 0                     |
|               | Bangladesh                  | 1*                | 1                 | 0                     |
|               | Belize                      | 2*                | 2                 | 0                     |
|               | Benin                       | 4*                | 4                 | 0                     |
|               | Bhutan                      | 4*                | 4                 | 0                     |
|               | Botswana                    | 17                | 15                | 2                     |
|               | Brazil                      | 6                 | 3                 | 3                     |
|               | Bulgaria                    | 1*                | 1                 | 0                     |
|               | Cameroon                    | 7                 | 7                 | 0                     |

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|-------------------|-----|-----|----|
| Canada            | 32  | 23  | 9  |
| Chile             | 2*  | 2   | 0  |
| China             | 2*  | 2   | 0  |
| Costa Rica        | 2*  | 2   | 0  |
| Croatia           | 4*  | 4   | 0  |
| Finland           | 2*  | 2   | 0  |
| France            | 6   | 3   | 3  |
| Greece            | 3*  | 3   | 0  |
| India             | 15  | 10  | 5  |
| Indonesia         | 1*  | 1   | 0  |
| Iran              | 3*  | 3   | 0  |
| Italy             | 8   | 7   | 1  |
| Japan             | 6   | 6   | 0  |
| Kenya             | 32  | 32  | 0  |
| Mexico            | 3*  | 3   | 0  |
| Mongolia          | 4*  | 3   | 1  |
| Namibia           | 14  | 14  | 0  |
| Nepal             | 2*  | 1   | 1  |
| Norway            | 16  | 14  | 2  |
| Pakistan          | 5   | 4   | 1  |
| Paraguay          | 1*  | 0   | 1  |
| Portugal          | 4*  | 3   | 1  |
| Romania           | 1*  | 0   | 1  |
| Russia            | 15  | 4   | 11 |
| Several countries | 3*  | 3   | 0  |
| Slovakia          | 4*  | 2   | 2  |
| Slovenia          | 2*  | 2   | 0  |
| South Africa      | 10  | 9   | 1  |
| Spain             | 8   | 7   | 1  |
| Sri Lanka         | 7   | 0   | 7  |
| Sweden            | 1*  | 0   | 1  |
| Switzerland       | 3*  | 0   | 3  |
| Tajikistan        | 1*  | 0   | 1  |
| Tanzania          | 9   | 9   | 0  |
| UK                | 6   | 6   | 0  |
| USA               | 202 | 167 | 35 |
| Venezuela         | 1*  | 1   | 0  |
| Zimbabwe          | 7   | 6   | 1  |

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