Table S1. We found 14 documented cases of twinning for 13 species of free-living birds. Examples are known from either dissected unhatched eggs (n = 10) or from unassisted, hatched eggs where nestlings exceeded clutch size (n = 4).

Species Source Hatched? (Y/N)

Adélie penguin, *Pygoscelis adeliae* Astheimer & Grau, 1985 No

American goldfinch, *Spinus tristis* Berger, 1953, case 1 Yes

American goldfinch, *Spinus tristis* Berger, 1953, case 2 Yes

Brown thrasher, *Toxostoma rufum* Cartwright, 1939 No

Eastern bluebird, Sialia sialis Bailey & Clark, herein Yes

Gadwall, *Anas strepera* Lokemoen & Sharp, 1981 No

Giant Canada goose, *Branta canadensis maxima* Batt, Cooper, & Cornwell, 1975 No

Hihi, *Notiomystis cincta* Thorogood & Ewen, 2006 No

House sparrow, *Passer domesticus* Griffith & Stewart, 1998 No

Northern goshawk, *Accipiter gentilis* Petty & Anderson, 1989 No

North Island kaka, *Nestor meridionalis* Alley & Berry, 2002 No

Peregrine falcon, *Falco peregrinus* Pattee, Mattox, & Seegar, 1984 No

Song sparrow*, Melospiza melodia* Berger, 1953 Yes

Wedge-tailed shearwater, *Puffinus pacificus* Pettit & Causey Whittow, 1981 No