

**Appendix S2.-** List of studies included in the meta-analysis based on carcass searches and flight frequencies. RD = risk difference;  $V_{RD}$  = variance of RD; 'n'= number of birds overflying power lines, sample size; 'Source' from peer review journal or unpublished (report, thesis); 'Design'= BACI or parallel study; 'Alternate'= if the work alternates (YES) or does not (NO) marked and unmarked spans; 'Periodicity'= mean number of visits per month; 'Strip'= searching width totalling both sides of the transect; 'Species'= minimum number of species by reference. When species level was not reached (e.g. only genus level is specified) was assumed as 1 (e.g., 'storks' is one species); 'Lines'= number of power lines; 'Stretches'= number of stretches. A "---" denotes undefined values.

Study	RD	$V_{RD}$	n	Source	Design	Alternate	Periodicity	Strip	Sps	Lines	Stretches
Alonso et al. 1994 BACI	-0.000322	0.0000000033	7465	Journal	BACI	NO	4.0	50	59	1	4
Brauneis et al. 2003	-0.000145	0.0000000003	750000	Journal	Parallel	NO	2.0	40	37	1	2
Brown & Drewien 1995	0.000360	0.0000000610	1472	Journal	Parallel	NO	25.0	100	35	4	4
Calabuig & Ferrer 2009 orange spirals	-0.000098	0.0000000007	4858	Unpublished	Parallel	YES	2.0	50	23	1	11
Calabuig & Ferrer 2009 yellow spirals	-0.000088	0.0000000007	4276	Unpublished	Parallel	YES	2.0	50	23	1	11
Calabuig & Ferrer 2009 white spirals	-0.000066	0.0000000010	2732	Unpublished	Parallel	YES	2.0	50	23	1	11
Calabuig & Ferrer 2009 crosses	-0.000105	0.0000000007	2813	Unpublished	Parallel	YES	2.0	50	23	1	11
Crowder 2000	-0.000216	0.0000000048	53833	Unpublished	BACI	NO	10.3	90	---	1	1
De la Zerda & Rosselli 2003 BACI	0.000663	0.0000000135	39212	Journal	BACI	NO	0.3	100	54	1	1
De la Zerda & Rosselli 2003 Parallel	-0.001057	0.0000000345	44481	Journal	Parallel	NO	0.8	100	54	2	2
Lorenzo & Cabrera 2009	0.000023	0.0000000192	2908	Unpublished	Parallel	NO	1.0	60	14	1	13
Morkill & Anderson 1991	-0.000002	0.0000000000	359700	Journal	Parallel	YES	30.0	60	1	9	58
Pelayo & Sampietro 1994 Parallel	-0.000118	0.0000000293	1216	Unpublished	Parallel	NO	4.4	20	15	1	5
Savereno et al. 1996	-0.000013	0.0000000001	157935	Journal	Parallel	NO	10.0	60	9	2	2
Sudmann et al. 2000 Parallel	-0.000024	0.0000000001	85976	Unpublished	---	NO	8.0	---	2	2	2