**Table S1: Data used for analysis of rAdjust**

| Class | Species | Common name | Breeding system | Adjust-ment reporteda | Amount or  Probabilityb | Cues to paternity | | | | Multiple paternity | n | rAdjust | n | Mean rBenefit c | n | Mean  rCostd | n |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | Expt Obs | Genetic data | Mating Access | No.  Males |  |  |  |  |  |  |  |  |
| Actinopterygii | *Abudefduf sexfasciatus* | Scissortail sergeant | Polygynandrous | No [1] | Amount | Expt | No | No | Yes | NA | NA | 0.25 | 27 | NA | NA | 0.17 | 70 |
| Actinopterygii | *Abudefduf sexfasciatus* | Scissortail sergeant | Polygynandrous | No [1] | Prob | Expt | No | No | Yes | NA | NA | 0.38 | 27 | NA | NA | 0.17 | 70 |
| Actinopterygii | *Abudefduf sexfasciatus* | Scissortail sergeant | Polygynandrous | Yes [1] | Amount | Expt | No | No | Yes | NA | NA | 0.50 | 27 | NA | NA | 0.17 | 70 |
| Actinopterygii | *Gasterosteus aculeatus* | Three-spined stickleback | Polygynandrous | No [2] | Prob | Expt | No | No | No | 38.70 [3,4] | 31 | 0.18 | 82 | 0.95 | 12 | 0.06 | 60 |
| Actinopterygii | *Gasterosteus aculeatus* | Three-spined stickleback | Polygynandrous | Yes [2] | Prob | Expt | No | No | No | 38.70 | 31 | 0.27 | 82 | 0.95 | 12 | 0.06 | 60 |
| Actinopterygii | *Lepomis gibbosus* | Pumpkinseed sunfish | Polygynandrous | No [5] | Amount | Obs | Yes | No | No | 93.33 [6] | 15 | -0.17 | 33 | 0.41 | 34 | NA | NA |
| Actinopterygii | *Lepomis gibbosus* | Pumpkinseed sunfish | Polygynandrous | No [5] | Amount | Expt | Yes | No | No | 93.33 | 15 | -0.05 | 18 | 0.41 | 34 | NA | NA |
| Actinopterygii | *Lepomis gibbosus* | Pumpkinseed sunfish | Polygynandrous | No [5] | Amount | Obs | Yes | No | No | 93.33 | 15 | 0.16 | 52 | 0.41 | 34 | NA | NA |
| Actinopterygii | *Lepomis gibbosus* | Pumpkinseed sunfish | Polygynandrous | Yes [5] | Amount | Obs | Yes | No | No | 93.33 | 15 | 0.41 | 33 | 0.41 | 34 | NA | NA |
| Actinopterygii | *Lepomis macrochirus* | Bluegill sunfish | Polygynandrous | No [7] | Amount | Expt | No | No | No | 93.65 [6,8,9] | 126 | 0.03 | 23 | 0.70 | 134 | 0.17 | 48 |
| Actinopterygii | *Lepomis macrochirus* | Bluegill sunfish | Polygynandrous | No [7] | Amount | Expt | No | No | No | 93.65 | 126 | 0.23 | 25 | 0.70 | 134 | 0.17 | 48 |
| Actinopterygii | *Lepomis macrochirus* | Bluegill sunfish | Polygynandrous | No [10] | Prob | Obs | Yes | No | No | 93.65 | 126 | 0.01 | 38 | 0.70 | 134 | 0.17 | 48 |
| Actinopterygii | *Lepomis macrochirus* | Bluegill sunfish | Polygynandrous | No [10] | Prob | Obs | Yes | No | No | 93.65 | 126 | 0.29 | 38 | 0.70 | 134 | 0.17 | 48 |
| Actinopterygii | *Lepomis macrochirus* | Bluegill sunfish | Polygynandrous | Yes [10] | Prob | Obs | Yes | No | No | 93.65 | 126 | 0.45 | 38 | 0.70 | 134 | 0.17 | 48 |
| Actinopterygii | *Lepomis macrochirus* | Bluegill sunfish | Polygynandrous | Yes [10] | Prob | Obs | Yes | No | No | 93.65 | 126 | 0.47 | 38 | 0.70 | 134 | 0.17 | 48 |
| Actinopterygii | *Lepomis macrochirus* | Bluegill sunfish | Polygynandrous | Yes [10] | Prob | Obs | Yes | No | No | 93.65 | 126 | 0.61 | 38 | 0.70 | 134 | 0.17 | 48 |
| Actinopterygii | *Lepomis macrochirus* | Bluegill sunfish | Polygynandrous | Yes [11] | Amount | Expt | Yes | No | No | 93.65 | 126 | 0.37 | 54 | 0.70 | 134 | 0.17 | 48 |
| Actinopterygii | *Lepomis macrochirus* | Bluegill sunfish | Polygynandrous | Yes [11] | Amount | Expt | No | No | Yes | 93.65 | 126 | 0.40 | 54 | 0.70 | 134 | 0.17 | 48 |
| Actinopterygii | *Lepomis macrochirus* | Bluegill sunfish | Polygynandrous | No [12] | Amount | Obs | Yes | No | No | 93.65 | 126 | 0.17 | 38 | 0.70 | 134 | 0.17 | 48 |
| Actinopterygii | *Lepomis macrochirus* | Bluegill sunfish | Polygynandrous | Yes [12] | Amount | Obs | Yes | No | No | 93.65 | 126 | 0.35 | 38 | 0.70 | 134 | 0.17 | 48 |
| Actinopterygii | *Lepomis macrochirus* | Bluegill sunfish | Polygynandrous | Yes [12] | Amount | Obs | Yes | No | No | 93.65 | 126 | 0.49 | 38 | 0.70 | 134 | 0.17 | 48 |
| Actinopterygii | *Pimephales promelas* | Fathead minnow | Polygynandrous | Yes [13] | Prob | Expt | No | No | No | 16.70 [14] | 42 | 0.49 | 24 | 0.91 | 300 | NA | NA |
| Actinopterygii | *Pomatoschistus microps* | Common goby | Polygynandrous | No[15] | Amount | Expt | No | No | Yes | NA | NA | -0.10 | 9 | 0.99 | 50 | 0.49 | 27 |
| Actinopterygii | *Pomatoschistus microps* | Common goby | Polygynandrous | No [15] | Prob | Expt | No | No | Yes | NA | NA | 0.00 | 19 | 0.99 | 50 | 0.49 | 27 |
| Actinopterygii | *Pomatoschistus microps* | Common goby | Polygynandrous | No [15] | Amount | Expt | No | No | Yes | NA | NA | 0.15 | 15 | 0.99 | 50 | 0.49 | 27 |
| Actinopterygii | *Pomatoschistus minutus* | Sand goby | Polygynandrous | No [16] | Prob | Expt | No | No | Yes | 52.20 [17] | 23 | -0.16 | 24 | 0.19 | 96 | 0.04 | 96 |
| Actinopterygii | *Pomatoschistus minutus* | Sand goby | Polygynandrous | No [16] | Prob | Expt | No | No | Yes | 52.20 | 23 | 0.07 | 29 | 0.19 | 96 | 0.04 | 96 |
| Actinopterygii | *Pomatoschistus minutus* | Sand goby | Polygynandrous | No [16] | Prob | Expt | Yes | No | Yes | 52.20 | 23 | 0.10 | 29 | 0.19 | 96 | 0.04 | 96 |
| Actinopterygii | *Pomatoschistus minutus* | Sand goby | Polygynandrous | No [16] | Prob | Expt | No | No | Yes | 52.20 | 23 | 0.19 | 23 | 0.19 | 96 | 0.04 | 96 |
| Actinopterygii | *Pomatoschistus minutus* | Sand goby | Polygynandrous | No [16] | Prob | Expt | No | No | Yes | 52.20 | 23 | 0.34 | 20 | 0.19 | 96 | 0.04 | 96 |
| Actinopterygii | *Spinachia spinachia* | Fifteen-spined  stickleback | Polygynandrous | No [18] | Amount | Expt | No | No | Yes | 13.64 [19] | 44 | -0.12 | 29 | 0.58 | 17 | NA | NA |
| Actinopterygii | *Spinachia spinachia* | Fifteen-spined  stickleback | Polygynandrous | No [18] | Amount | Expt | No | No | Yes | 13.64 | 44 | -0.08 | 29 | 0.58 | 17 | NA | NA |
| Actinopterygii | *Spinachia spinachia* | Fifteen-spined  stickleback | Polygynandrous | No [18] | Amount | Expt | No | No | Yes | 13.64 | 44 | -0.03 | 29 | 0.58 | 17 | NA | NA |
| Actinopterygii | *Spinachia spinachia* | Fifteen-spined  stickleback | Polygynandrous | No [18] | Amount | Expt | No | No | Yes | 13.64 | 44 | 0.01 | 29 | 0.58 | 17 | NA | NA |
| Aves | *Agelaius phoeniceus* | Red-winged blackbird | Polygynous | No [20] | Amount | Obs | Yes | No | No | 49.17 [20,21,22,23,24,25] | 423 | -0.08 | 48 | 0.31 | 613 | NA | NA |
| Aves | *Agelaius phoeniceus* | Red-winged blackbird | Polygynous | No [20] | Amount | Obs | Yes | No | No | 49.17 | 423 | -0.06 | 78 | 0.31 | 613 | NA | NA |
| Aves | *Agelaius phoeniceus* | Red-winged blackbird | Polygynous | No [20] | Amount | Obs | Yes | No | No | 49.17 | 423 | -0.05 | 111 | 0.31 | 613 | NA | NA |
| Aves | *Agelaius phoeniceus* | Red-winged blackbird | Polygynous | No [20] | Amount | Obs | Yes | No | No | 49.17 | 423 | -0.02 | 114 | 0.31 | 613 | NA | NA |
| Aves | *Agelaius phoeniceus* | Red-winged blackbird | Polygynous | No [20] | Amount | Obs | Yes | No | No | 49.17 | 423 | 0.07 | 76 | 0.31 | 613 | NA | NA |
| Aves | *Alca torda* | Razorbill | Pair | No [26] | Amount | Obs | No | No | Yes | NA | NA | -0.10 | 18 | NA | NA | NA | NA |
| Aves | *Alca torda* | Razorbill | Pair | No[26] | Amount | Obs | No | No | Yes | NA | NA | 0.00 | 22 | NA | NA | NA | NA |
| Aves | *Alca torda* | Razorbill | Pair | No [26] | Amount | Obs | No | No | Yes | NA | NA | 0.15 | 24 | NA | NA | NA | NA |
| Aves | *Calcarius pictus* | Smith’s longspur | Polygynandrous | No [27] | Amount | Obs | Yes | No | No | 77.42 [27] | 13 | 0.07 | 10 | NA | NA | NA | NA |
| Aves | *Calcarius pictus* | Smith’s longspur | Polygynandrous | No [27] | Amount | Obs | Yes | No | No | 77.42 | 13 | 0.07 | 10 | NA | NA | NA | NA |
| Aves | *Calcarius pictus* | Smith’s longspur | Polygynandrous | No [27] | Prob | Obs | Yes | No | No | 77.42 | 13 | 0.14 | 39 | NA | NA | NA | NA |
| Aves | *Calcarius pictus* | Smith’s longspur | Polygynandrous | No [27] | Amount | Obs | Yes | No | No | 77.42 | 13 | 0.14 | 10 | NA | NA | NA | NA |
| Aves | *Calcarius pictus* | Smith’s longspur | Polygynandrous | No [27] | Amount | Obs | Yes | No | No | 77.42 | 13 | 0.21 | 38 | NA | NA | NA | NA |
| Aves | *Calcarius pictus* | Smith’s longspur | Polygynandrous | No [27] | Amount | Obs | Yes | No | No | 77.42 | 13 | 0.25 | 29 | NA | NA | NA | NA |
| Aves | *Calcarius pictus* | Smith’s longspur | Polygynandrous | No [27] | Amount | Obs | Yes | No | No | 77.42 | 13 | 0.25 | 29 | NA | NA | NA | NA |
| Aves | *Calcarius pictus* | Smith’s longspur | Polygynandrous | Yes [27] | Amount | Obs | Yes | No | No | 77.42 | 13 | 0.27 | 38 | NA | NA | NA | NA |
| Aves | *Calcarius pictus* | Smith’s longspur | Polygynandrous | Yes [27] | Amount | Obs | Yes | No | No | 77.42 | 13 | 0.27 | 39 | NA | NA | NA | NA |
| Aves | *Calcarius pictus* | Smith’s longspur | Polygynandrous | Yes [27] | Amount | Obs | Yes | No | No | 77.42 | 13 | 0.31 | 38 | NA | NA | NA | NA |
| Aves | *Calcarius pictus* | Smith’s longspur | Polygynandrous | Yes [27] | Amount | Obs | Yes | No | No | 77.42 | 13 | 0.32 | 39 | NA | NA | NA | NA |
| Aves | *Calcarius pictus* | Smith’s longspur | Polygynandrous | [27] | Amount | Obs | Yes | No | No | 77.42 | 13 | 0.33 | 39 | NA | NA | NA | NA |
| Aves | *Calcarius pictus* | Smith’s longspur | Polygynandrous | Yes [27] | Amount | Obs | Yes | No | No | 77.42 | 13 | 0.34 | 29 | NA | NA | NA | NA |
| Aves | *Calcarius pictus* | Smith’s longspur | Polygynandrous | Yes [27] | Amount | Obs | Yes | No | No | 77.42 | 13 | 0.35 | 38 | NA | NA | NA | NA |
| Aves | *Calcarius pictus* | Smith’s longspur | Polygynandrous | Yes [27] | Amount | Obs | Yes | No | No | 77.42 | 13 | 0.36 | 29 | NA | NA | NA | NA |
| Aves | *Calcarius pictus* | Smith’s longspur | Polygynandrous | Yes [27] | Amount | Obs | Yes | No | No | 77.42 | 13 | 0.37 | 29 | NA | NA | NA | NA |
| Aves | *Calcarius pictus* | Smith’s longspur | Polygynandrous | Yes [27] | Amount | Obs | Yes | No | No | 77.42 | 13 | 0.40 | 29 | NA | NA | NA | NA |
| Aves | *Calcarius pictus* | Smith’s longspur | Polygynandrous | Yes [27] | Amount | Obs | Yes | No | No | 77.42 | 13 | 0.55 | 11 | NA | NA | NA | NA |
| Aves | *Calcarius pictus* | Smith’s longspur | Polygynandrous | Yes [27] | Amount | Obs | Yes | No | No | 77.42 | 13 | 0.58 | 11 | NA | NA | NA | NA |
| Aves | *Corvus corone* | Carrion crow | Cooperative | No [28] | Amount | Obs | Yes | No | No | 15.79 [29,30] | 19 | 0.25 | 30 | NA | NA | NA | NA |
| Aves | *Cyanistes caeruleus* | Blue tit | Pair | No [31] | Amount | Obs | Yes | No | No | 47.68 [32,33,34,35,36,37,38,39,40,41,42] | 690 | 0.18 | 22 | 0.45 | 214 | 0.17 | 673 |
| Aves | *Cyanocorax morio* | Brown jay | Cooperative | No [43] | Amount | Obs | Yes | No | No | 22.22 [44] | 18 | -0.35 | 5 | NA | NA | NA | NA |
| Aves | *Delichon urbica* | House martin | Pair | No [45] | Amount | Obs | Yes | No | No | 33.33 [46,47] | 39 | -0.07 | 10 | NA | NA | -0.10 | 98 |
| Aves | *Delichon urbica* | House martin | Pair | No [45] | Amount | Obs | Yes | No | No | 33.33 | 39 | -0.03 | 10 | NA | NA | -0.10 | 98 |
| Aves | *Delichon urbica* | House martin | Pair | No [45] | Amount | Obs | Yes | No | No | 33.33 | 39 | 0.01 | 10 | NA | NA | -0.10 | 98 |
| Aves | *Delichon urbica* | House martin | Pair | No [45] | Amount | Obs | Yes | No | No | 33.33 | 39 | 0.20 | 10 | NA | NA | -0.10 | 98 |
| Aves | *Delichon urbica* | House martin | Pair | No [45] | Amount | Obs | Yes | No | No | 33.33 | 39 | 0.31 | 10 | NA | NA | -0.10 | 98 |
| Aves | *Delichon urbica* | House martin | Pair | No [45] | Amount | Obs | Yes | No | No | 33.33 | 39 | 0.41 | 10 | NA | NA | -0.10 | 98 |
| Aves | *Dendroica caerulescens* | Black-throated  blue warbler | Pair | No [48] | Amount | Obs | Yes | No | No | 34.19 [49] | 117 | -0.23 | 24 | 0.20 | 182 | NA | NA |
| Aves | *Dendroica caerulescens* | Black-throated  blue warbler | Pair | No [48] | Amount | Obs | Yes | No | No | 34.19 | 117 | -0.13 | 19 | 0.20 | 182 | NA | NA |
| Aves | *Dendroica caerulescens* | Black-throated  blue warbler | Pair | No [48] | Amount | Obs | Yes | No | No | 34.19 | 117 | 0.01 | 10 | 0.20 | 182 | NA | NA |
| Aves | *Dendroica caerulescens* | Black-throated  blue warbler | Pair | No [48] | Amount | Obs | Yes | No | No | 34.19 | 117 | 0.08 | 51 | 0.20 | 182 | NA | NA |
| Aves | *Dendroica caerulescens* | Black-throated  blue warbler | Pair | No [48] | Amount | Obs | Yes | No | No | 34.19 | 117 | 0.10 | 45 | 0.20 | 182 | NA | NA |
| Aves | *Dendroica caerulescens* | Black-throated  blue warbler | Pair | No [48] | Amount | Obs | Yes | No | No | 34.19 | 117 | 0.16 | 9 | 0.20 | 182 | NA | NA |
| Aves | *Dendroica caerulescens* | Black-throated  blue warbler | Pair | No [48] | Amount | Obs | Yes | No | No | 34.19 | 117 | 0.29 | 19 | 0.20 | 182 | NA | NA |
| Aves | *Dendroica caerulescens* | Black-throated  blue warbler | Pair | No [48] | Amount | Obs | Yes | No | No | 34.19 | 117 | 0.34 | 22 | 0.20 | 182 | NA | NA |
| Aves | *Dendroica caerulescens* | Black-throated  blue warbler | Pair | Yes [48] | Amount | Obs | Yes | No | No | 34.19 | 117 | 0.34 | 30 | 0.20 | 182 | NA | NA |
| Aves | *Dendroica caerulescens* | Black-throated  blue warbler | Pair | Yes [48] | Amount | Obs | Yes | No | No | 34.19 | 117 | 0.38 | 29 | 0.20 | 182 | NA | NA |
| Aves | *Dendroica petechia* | Yellow warbler | Pair | No [50] | Amount | Obs | Yes | No | No | 51.41 [50,51,52] | 142 | -0.19 | 31 | 0.47 | 58 | 0.39 | 28 |
| Aves | *Dendroica petechia* | Yellow warbler | Pair | No [50] | Amount | Obs | Yes | No | No | 51.41 | 142 | -0.16 | 31 | 0.47 | 58 | 0.39 | 28 |
| Aves | *Dendroica petechia* | Yellow warbler | Pair | No [50] | Amount | Obs | Yes | No | No | 51.41 | 142 | -0.16 | 31 | 0.47 | 58 | 0.39 | 28 |
| Aves | *Dendroica petechia* | Yellow warbler | Pair | No [50] | Amount | Obs | Yes | No | No | 51.41 | 142 | 0.03 | 31 | 0.47 | 58 | 0.39 | 28 |
| Aves | *Emberiza schoeniclus* | Reed bunting | Pair | No [53] | Amount | Obs | Yes | No | No | 67.24 [54,55,56,57] | 312 | -0.16 | 31 | 0.28 | 224 | 0.10 | 25 |
| Aves | *Emberiza schoeniclus* | Reed bunting | Pair | No [53] | Amount | Obs | Yes | No | No | 67.24 | 312 | -0.09 | 10 | 0.28 | 224 | 0.10 | 25 |
| Aves | *Emberiza schoeniclus* | Reed bunting | Pair | No [53] | Amount | Obs | Yes | No | No | 67.24 | 312 | -0.03 | 12 | 0.28 | 224 | 0.10 | 25 |
| Aves | *Emberiza schoeniclus* | Reed bunting | Pair | No [53] | Amount | Obs | Yes | No | No | 67.24 | 312 | 0.02 | 31 | 0.28 | 224 | 0.10 | 25 |
| Aves | *Emberiza schoeniclus* | Reed bunting | Pair | No [53] | Amount | Obs | Yes | No | No | 67.24 | 312 | 0.11 | 10 | 0.28 | 224 | 0.10 | 25 |
| Aves | *Emberiza schoeniclus* | Reed bunting | Pair | Yes [55] | Amount | Obs | Yes | No | No | 67.24 | 312 | 0.79 | 12 | 0.28 | 224 | 0.10 | 25 |
| Aves | *Emberiza schoeniclus* | Reed bunting | Pair | Yes [58] | Amount | Obs | Yes | No | No | 67.24 | 312 | 0.26 | 51 | 0.28 | 224 | 0.10 | 25 |
| Aves | *Emberiza schoeniclus* | Reed bunting | Pair | Yes [58] | Amount | Obs | Yes | No | No | 67.24 | 312 | 0.71 | 14 | 0.28 | 224 | 0.10 | 25 |
| Aves | *Emberiza schoeniclus* | Reed bunting | Pair | Yes [58] | Amount | Obs | Yes | No | No | 67.24 | 312 | 0.74 | 10 | 0.28 | 224 | 0.10 | 25 |
| Aves | *Emberiza schoeniclus* | Reed bunting | Pair | Yes [58] | Amount | Obs | Yes | No | No | 67.24 | 312 | 0.80 | 10 | 0.28 | 224 | 0.10 | 25 |
| Aves | *Emberiza schoeniclus* | Reed bunting | Pair | Yes [58] | Amount | Obs | Yes | No | No | 67.24 | 312 | 0.86 | 10 | 0.28 | 224 | 0.10 | 25 |
| Aves | *Ficedula albicollis* | Collared flycatcher | Pair | Yes [59] | Amount | Expt | No | Yes | No | 39.35 [60,61,62,63] | 216 | 0.34 | 53 | 0.20 | 265 | 0.16 | 398 |
| Aves | *Ficedula albicollis* | Collared flycatcher | Pair | Yes [59] | Amount | Expt | No | Yes | No | 39.35 | 216 | 0.36 | 53 | 0.20 | 265 | 0.16 | 398 |
| Aves | *Ficedula albicollis* | Collared flycatcher | Pair | Yes [59] | Amount | Expt | No | Yes | No | 39.35 | 216 | 0.36 | 53 | 0.20 | 265 | 0.16 | 398 |
| Aves | *Ficedula albicollis* | Collared flycatcher | Pair | Yes [59] | Amount | Expt | No | Yes | No | 39.35 | 216 | 0.37 | 53 | 0.20 | 265 | 0.16 | 398 |
| Aves | *Ficedula albicollis* | Collared flycatcher | Pair | Yes [64] | Amount | Expt | No | Yes | No | 39.35 | 216 | 0.34 | 48 | 0.20 | 265 | 0.16 | 398 |
| Aves | *Ficedula albicollis* | Collared flycatcher | Pair | No [64] | Amount | Expt | No | Yes | No | 39.35 | 216 | 0.38 | 21 | 0.20 | 265 | 0.16 | 398 |
| Aves | *Ficedula albicollis* | Collared flycatcher | Pair | Yes [64] | Amount | Expt | No | Yes | No | 39.35 | 216 | 0.38 | 48 | 0.20 | 265 | 0.16 | 398 |
| Aves | *Ficedula albicollis* | Collared flycatcher | Pair | Yes [64] | Amount | Expt | No | Yes | No | 39.35 | 216 | 0.40 | 27 | 0.20 | 265 | 0.16 | 398 |
| Aves | *Ficedula albicollis* | Collared flycatcher | Pair | Yes [64] | Amount | Expt | No | Yes | No | 39.35 | 216 | 0.47 | 21 | 0.20 | 265 | 0.16 | 398 |
| Aves | *Ficedula albicollis* | Collared flycatcher | Pair | Yes [64] | Amount | Expt | No | Yes | No | 39.35 | 216 | 0.47 | 27 | 0.20 | 265 | 0.16 | 398 |
| Aves | *Ficedula hypoleuca* | Pied flycatcher | Pair | Yes [65] | Amount | Expt | Yes | Yes | No | 13.91 [66,67,68,69,70,71,72,73] | 460 | 0.51 | 17 | 0.57 | 3999 | 0.21 | 184 |
| Aves | *Geothlypis trichas* | Yellowthroat | Pair | No [74] | Amount | Obs | Yes | No | No | 43.48 [75] | 138 | -0.33 | 32 | NA | NA | 0.41 | 46 |
| Aves | *Geothlypis trichas* | Yellowthroat | Pair | No [74] | Amount | Obs | Yes | No | No | 43.48 | 138 | -0.31 | 33 | NA | NA | 0.41 | 46 |
| Aves | *Geothlypis trichas* | Yellowthroat | Pair | No [74] | Amount | Obs | Yes | No | No | 43.48 | 138 | 0.37 | 12 | NA | NA | 0.41 | 46 |
| Aves | *Geothlypis trichas* | Yellowthroat | Pair | No [74] | Amount | Obs | Yes | No | No | 43.48 | 138 | 0.37 | 12 | NA | NA | 0.41 | 46 |
| Aves | *Hirundo rustica* | Barn swallow | Pair | No [76] | Amount | Obs | Yes | No | No | 42.22 [77,78,79,80] | 334 | -0.40 | 32 | 0.50 | 70 | NA | NA |
| Aves | *Hirundo rustica* | Barn swallow | Pair | No [79] | Amount | Obs | Yes | No | No | 42.22 | 334 | 0.00 | 47 | 0.50 | 70 | NA | NA |
| Aves | *Hirundo rustica* | Barn swallow | Pair | No [79] | Amount | Obs | Yes | No | No | 42.22 | 334 | 0.23 | 47 | 0.50 | 70 | NA | NA |
| Aves | *Hirundo rustica* | Barn swallow | Pair | Yes [79] | Amount | Obs | Yes | No | No | 42.22 | 334 | 0.90 | 6 | 0.50 | 70 | NA | NA |
| Aves | *Hirundo rustica* | Barn swallow | Pair | Yes [81] | Amount | Expt | No | Yes | No | 42.22 | 334 | 0.34 | 38 | 0.50 | 70 | NA | NA |
| Aves | *Hirundo rustica* | Barn swallow | Pair | Yes [81] | Amount | Expt | No | Yes | No | 42.22 | 334 | 0.37 | 38 | 0.50 | 70 | NA | NA |
| Aves | *Hirundo rustica* | Barn swallow | Pair | Yes [81] | Amount | Expt | No | Yes | No | 42.22 | 334 | 0.56 | 38 | 0.50 | 70 | NA | NA |
| Aves | *Hirundo rustica* | Barn swallow | Pair | Yes [81] | Amount | Expt | No | Yes | No | 42.22 | 334 | 0.68 | 38 | 0.50 | 70 | NA | NA |
| Aves | *Malurus cyaneus* | Superb fairy-wren | Cooperative | Yes [82] | Amount | Obs | Yes | No | No | 69.28 [83] | 293 | 0.63 | 16 | 0.09 | 12 | NA | NA |
| Aves | *Notiomystis cincta* | Stitchbird | Polygynandrous | Yes [84] | Amount | Obs | No | No | Yes | 80.00 [85,86] | 71 | 0.72 | 7 | 0.17 | 64 | 0.69 | 12 |
| Aves | *Paradoxornis webbianus* | Vinous-throated parrotbill | Pair | No [87] | Amount | Obs | Yes | No | No | 26.00 [88] | 50 | 0.03 | 23 | 0.54 | 26 | NA | NA |
| Aves | *Parus major* | Great tit | Pair | Yes [89] | Amount | Obs | Yes | No | No | 29.86 [37,39,90,91,92] | 422 | 0.41 | 16 | -0.09 | 100 | 0.01 | 202 |
| Aves | *Poecile montanus* | Willow tit | Pair | No [93] | Amount | Obs | Yes | No | No | 23.44 [93,94] | 64 | 0.08 | 36 | 0.14 | 62 | 0.05 | 296 |
| Aves | *Poecile montanus* | Willow tit | Pair | No [93] | Amount | Obs | Yes | No | No | 23.44 | 64 | 0.09 | 39 | 0.14 | 62 | 0.05 | 296 |
| Aves | *Poecile montanus* | Willow tit | Pair | No [93] | Amount | Obs | Yes | No | No | 23.44 | 64 | 0.23 | 39 | 0.14 | 62 | 0.05 | 296 |
| Aves | *Porphyrio porphyrio* | Pukeko | Polygynandrous | No [95] | Amount | Obs | Yes | No | No | 91.67 [95] | 12 | 0.50 | 6 | NA | NA | 0.77 | 6 |
| Aves | *Porphyrio porphyrio* | Pukeko | Polygynandrous | Yes [95] | Amount | Obs | Yes | No | No | 91.67 | 12 | 0.80 | 8 | NA | NA | 0.77 | 6 |
| Aves | *Progne subis* | Purple martin | Pair | No [96] | Amount | Obs | Yes | No | No | 24.39 [97,98] | 41 | 0.04 | 15 | NA | NA | NA | NA |
| Aves | *Progne subis* | Purple martin | Pair | No [96] | Amount | Obs | Yes | No | No | 24.39 | 41 | 0.16 | 15 | NA | NA | NA | NA |
| Aves | *Progne subis* | Purple martin | Pair | No [96] | Amount | Obs | Yes | No | No | 24.39 | 41 | -0.15 | 15 | NA | NA | NA | NA |
| Aves | *Prunella collaris* | Alpine accentor | Polygynandrous | No [99] | Amount | Obs | Yes | No | No | 48.84 [99,100] | 43 | 0.11 | 24 | 0.44 | 114 | NA | NA |
| Aves | *Prunella collaris* | Alpine accentor | Polygynandrous | No [99] | Amount | Obs | No | Yes | No | 48.84 | 43 | 0.39 | 20 | 0.44 | 114 | NA | NA |
| Aves | *Prunella collaris* | Alpine accentor | Polygynandrous | Yes [99] | Prob | Obs | No | Yes | No | 48.84 | 43 | 0.75 | 14 | 0.44 | 114 | NA | NA |
| Aves | *Prunella modularis* | Dunnock | Polygynandrous | Yes [101] | Amount | Expt | No | Yes | No | 40.00 [102] | 45 | 0.55 | 17 | 0.55 | 145 | NA | NA |
| Aves | *Prunella modularis* | Dunnock | Polygynandrous | Yes [101] | Amount | Expt | No | Yes | No | 40.00 | 45 | 0.67 | 17 | 0.55 | 145 | NA | NA |
| Aves | *Prunella modularis* | Dunnock | Polygynandrous | Yes [101] | Amount | Expt | No | Yes | No | 40.00 | 45 | 0.70 | 17 | 0.55 | 145 | NA | NA |
| Aves | *Prunella modularis* | Dunnock | Polygynandrous | Yes [101] | Prob | Expt | Yes | No | No | 40.00 | 45 | 0.79 | 18 | 0.55 | 145 | NA | NA |
| Aves | *Prunella modularis* | Dunnock | Polygynandrous | Yes [101] | Amount | Expt | No | Yes | No | 40.00 | 45 | 0.87 | 23 | 0.55 | 145 | NA | NA |
| Aves | *Remiz pendulinus* | Penduline tit | Pair | No [103] | Prob | Obs | Yes | No | No | 35.51 [103,104] | 107 | 0.05 | 114 | NA | NA | 0.26 | 78 |
| Aves | *Sericornis frontalis* | White-browed scrubwren | Cooperative | No [105] | Amount | Obs | Yes | No | No | 37.25 [106] | 32 | -0.12 | 26 | NA | NA | NA | NA |
| Aves | *Sericornis frontalis* | White-browed scrubwren | Polygynandrous | No [105] | Amount | Obs | Yes | No | No | 37.25 | 32 | 0.05 | 15 | NA | NA | NA | NA |
| Aves | *Sericornis frontalis* | White-browed scrubwren | Polygynandrous | Yes [105] | Amount | Obs | Yes | No | No | 37.25 | 32 | 0.38 | 26 | NA | NA | NA | NA |
| Aves | *Sericornis frontalis* | White-browed scrubwren | Polygynandrous | No [105] | Amount | Obs | Yes | No | No | 37.25 | 32 | 0.40 | 11 | NA | NA | NA | NA |
| Aves | *Sericornis frontalis* | White-browed scrubwren | Polygynandrous | Yes [105] | Amount | Obs | Yes | No | No | 37.25 | 32 | 0.53 | 16 | NA | NA | NA | NA |
| Aves | *Sialia mexicana* | Western bluebird | Cooperative | No [107] | Amount | Expt | Yes | No | No | 45.10 [108] | 51 | 0.13 | 8 | 0.45 | 28 | 0.05 | 26 |
| Aves | *Sialia mexicana* | Western bluebird | Cooperative | No [109] | Amount | Expt | No | Yes | No | 45.10 | 51 | -0.11 | 18 | 0.45 | 28 | 0.05 | 26 |
| Aves | *Sialia mexicana* | Western bluebird | Cooperative | No [109] | Amount | Expt | Yes | No | No | 45.10 | 51 | 0.00 | 42 | 0.45 | 28 | 0.05 | 26 |
| Aves | *Sialia mexicana* | Western bluebird | Cooperative | No [109] | Amount | Expt | No | Yes | No | 45.10 | 51 | 0.01 | 19 | 0.45 | 28 | 0.05 | 26 |
| Aves | *Sialia mexicana* | Western bluebird | Cooperative | No [109] | Amount | Expt | No | Yes | No | 45.10 | 51 | 0.09 | 30 | 0.45 | 28 | 0.05 | 26 |
| Aves | *Sialia mexicana* | Western bluebird | Cooperative | No [109] | Amount | Expt | Yes | No | No | 45.10 | 51 | 0.16 | 42 | 0.45 | 28 | 0.05 | 26 |
| Aves | *Sialia mexicana* | Western bluebird | Cooperative | No [109] | Amount | Expt | No | Yes | No | 45.10 | 51 | 0.19 | 28 | 0.45 | 28 | 0.05 | 26 |
| Aves | *Sialia mexicana* | Western bluebird | Cooperative | No [109] | Amount | Expt | No | Yes | No | 45.10 | 51 | 0.27 | 28 | 0.45 | 28 | 0.05 | 26 |
| Aves | *Sialia sialis* | Eastern bluebird | Pair | No [110] | Amount | Expt | No | Yes | No | 26.00 [111,112] | 100 | -0.11 | 15 | 0.19 | 177 | 0.10 | 200 |
| Aves | *Sialia sialis* | Eastern bluebird | Pair | No [110] | Amount | Expt | No | Yes | No | 26.00 | 100 | -0.03 | 15 | 0.19 | 177 | 0.10 | 200 |
| Aves | *Sialia sialis* | Eastern bluebird | Pair | No [113] | Amount | Expt | No | Yes | No | 26.00 | 100 | -0.08 | 21 | 0.19 | 177 | 0.10 | 200 |
| Aves | *Sialia sialis* | Eastern bluebird | Pair | No [113] | Amount | Expt | No | Yes | No | 26.00 | 100 | 0.08 | 38 | 0.19 | 177 | 0.10 | 200 |
| Aves | *Sialia sialis* | Eastern bluebird | Pair | No [113] | Amount | Expt | Yes | No | No | 26.00 | 100 | 0.12 | 21 | 0.19 | 177 | 0.10 | 200 |
| Aves | *Sialia sialis* | Eastern bluebird | Pair | No [113] | Amount | Expt | No | Yes | No | 26.00 | 100 | 0.16 | 38 | 0.19 | 177 | 0.10 | 200 |
| Aves | *Sturnus unicolor* | Spotless starling | Polygynous | No [114] | Amount | Obs | Yes | No | No | 36.49 [114,115,116] | 211 | -0.33 | 48 | 0.24 | 101 | NA | NA |
| Aves | *Sturnus unicolor* | Spotless starling | Polygynous | No [114] | Amount | Obs | Yes | No | No | 36.49 | 211 | 0.00 | 15 | 0.24 | 101 | NA | NA |
| Aves | *Sturnus unicolor* | Spotless starling | Polygynous | No [114] | Amount | Obs | Yes | No | No | 36.49 | 211 | 0.01 | 8 | 0.24 | 101 | NA | NA |
| Aves | *Sturnus vulgaris* | Starling | Polygynous | No [117] | Amount | Obs | No | Yes | No | 40.40 [118,119,120] | 99 | -0.31 | 17 | 0.29 | 89 | 0.19 | 38 |
| Aves | *Sturnus vulgaris* | Starling | Polygynous | No [117] | Amount | Obs | No | Yes | No | 40.40 | 99 | -0.15 | 8 | 0.29 | 89 | 0.19 | 38 |
| Aves | *Sula nebouxii* | Blue-footed Booby | Pair | No [121] | Amount | Expt | No | Yes | No | NA | NA | 0.06 | 13 | 0.36 | 42 | NA | NA |
| Aves | *Sula nebouxii* | Blue-footed Booby | Pair | No [121] | Amount | Expt | No | Yes | No | NA | NA | 0.06 | 22 | 0.36 | 42 | NA | NA |
| Aves | *Sula nebouxii* | Blue-footed Booby | Pair | No [121] | Amount | Expt | No | Yes | No | NA | NA | 0.19 | 19 | 0.36 | 42 | NA | NA |
| Aves | *Sula nebouxii* | Blue-footed Booby | Pair | Yes [121] | Prob | Expt | No | Yes | No | NA | NA | 0.47 | 33 | 0.36 | 42 | NA | NA |
| Aves | *Tachycineta bicolor* | Tree swallow | Pair | No [110] | Amount | Expt | No | Yes | No | 79.94 [122,123,124,125,126] | 319 | -0.24 | 46 | 0.51 | 83 | -0.02 | 75 |
| Aves | *Tachycineta bicolor* | Tree swallow | Pair | No [110] | Amount | Expt | No | Yes | No | 79.94 | 319 | -0.16 | 43 | 0.51 | 83 | -0.02 | 75 |
| Aves | *Tachycineta bicolor* | Tree swallow | Pair | No [127] | Amount | Expt | No | Yes | No | 79.94 | 319 | -0.14 | 27 | 0.51 | 83 | -0.02 | 75 |
| Aves | *Tachycineta bicolor* | Tree swallow | Pair | No[127] | Amount | Expt | No | Yes | No | 79.94 | 319 | 0.03 | 27 | 0.51 | 83 | -0.02 | 75 |
| Aves | *Tachycineta bicolor* | Tree swallow | Pair | No[127] | Amount | Expt | No | Yes | No | 79.94 | 319 | 0.07 | 27 | 0.51 | 83 | -0.02 | 75 |
| Aves | *Tachycineta bicolor* | Tree swallow | Pair | No[127] | Amount | Expt | No | Yes | No | 79.94 | 319 | 0.08 | 27 | 0.51 | 83 | -0.02 | 75 |
| Aves | *Tachycineta bicolor* | Tree swallow | Pair | No[127] | Amount | Expt | No | Yes | No | 79.94 | 319 | 0.10 | 25 | 0.51 | 83 | -0.02 | 75 |
| Aves | *Tachycineta bicolor* | Tree swallow | Pair | No[127] | Amount | Expt | No | Yes | No | 79.94 | 319 | 0.38 | 25 | 0.51 | 83 | -0.02 | 75 |
| Aves | *Turdoides squamiceps* | Arabian babbler | Cooperative | No [128] | Amount | Obs | No | No | Yes | 9.09 [129] | 44 | 0.15 | 21 | NA | NA | NA | NA |
| Aves | *Turdoides squamiceps* | Arabian babbler | Cooperative | No [128] | Amount | Obs | Yes | No | No | 9.09 | 44 | 0.20 | 21 | NA | NA | NA | NA |
| Aves | *Wilsonia citrina* | Hooded warbler | Pair | No [130] | Amount | Obs | Yes | No | No | 35.30 [130] | 119 | 0.08 | 12 | 0.20 | 34 | NA | NA |
| Aves | *Wilsonia citrina* | Hooded warbler | Pair | No [130] | Amount | Obs | Yes | No | No | 35.30 | 119 | -0.09 | 12 | 0.20 | 34 | NA | NA |
| Insecta | *Nicrophorus tomentosus* | Burying beetle | Polygynandrous | No [131] | Amount | Obs | Yes | No | No | 70.00 [131] | 10 | 0.14 | 10 | 0.17 | 1170 | 0.43 | 40 |
| Insecta | *Nicrophorus tomentosus* | Burying beetle | Polygynandrous | Yes [131] | Amount | Obs | Yes | No | No | 70.00 | 10 | 0.77 | 10 | 0.17 | 1170 | 0.43 | 40 |
| Insecta | *Phyllomorpha laciniata* | Golden egg bug | Polygynandrous | Yes [132] | Prob | Obs | Yes | No | No | 97.50 [133] | 40 | 0.77 | 293 | 0.30 | 69 | 0.58 | 61 |
| Mammalia | *Homo sapiens* | Human | Pair | Yes [134] | Amount | Obs | No | No | No | 6.16 [135,136] | 12059 | 0.29 | 60 | 0.03 | 183106 | 0.33 | 34 |
| Mammalia | *Homo sapiens* | Human | Pair | Yes [134] | Amount | Obs | No | No | No | 6.16 | 12059 | 0.36 | 60 | 0.03 | 183106 | 0.33 | 34 |
| Mammalia | *Homo sapiens* | Human | Pair | Yes [137] | Amount | Obs | No | No | No | 6.16 | 12059 | 0.23 | 206 | 0.03 | 183106 | 0.33 | 34 |
| Mammalia | *Homo sapiens* | Human | Pair | Yes [138] | Amount | Obs | No | Yes | Yes | 6.16 | 12059 | 0.20 | 1984 | 0.03 | 183106 | 0.33 | 34 |
| Mammalia | *Homo sapiens* | Human | Pair | Yes [139] | Amount | Obs | No | No | No | 6.16 | 12059 | 0.35 | 32 | 0.03 | 183106 | 0.33 | 34 |
| Mammalia | *Macaca sylvanus* | Barbary macaque | Polygynandrous | No[140] | Amount | Obs | Yes | No | No | 86.67 [141,142] | 25 | -0.03 | 2781 | NA | NA | NA | NA |
| Mammalia | *Macaca sylvanus* | Barbary macaque | Polygynandrous | No [143] | Amount | Obs | Yes | No | No | 86.67 | 25 | 0.09 | 816 | NA | NA | NA | NA |
| Mammalia | *Papio cynocephalus* | Yellow baboon | Polygynandrous | No [144] | Amount | Obs | Yes | No | No | 86.32 [145] | 205 | 0.31 | 23 | 0.36 | 111 | NA | NA |
| Mammalia | *Papio ursinus* | Chacma baboon | Polygynandrous | Yes [146] | Amount | Obs | No | Yes | No | 87.87 [147,148] | 37 | 0.82 | 16 | 0.29 | 80 | NA | NA |
| Reptilia | *Egernia whitii* | White's skink | Pair | Yes [149] | Prob | Obs | Yes | No | No | 34.07 [149] | 91 | 0.58 | 39 | NA | NA | NA | NA |

a. Indicates whether or not the source study found a significant (P>0.05) positive relationship between paternity and paternal care; reference from which rAdjust was calculated.

b. Did the source study measure how paternity effected the probability that a male would provide paternal care or did they measure how paternity effected the amount of care provided

c. See Table S2 for references

d. See Table S3 for references

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