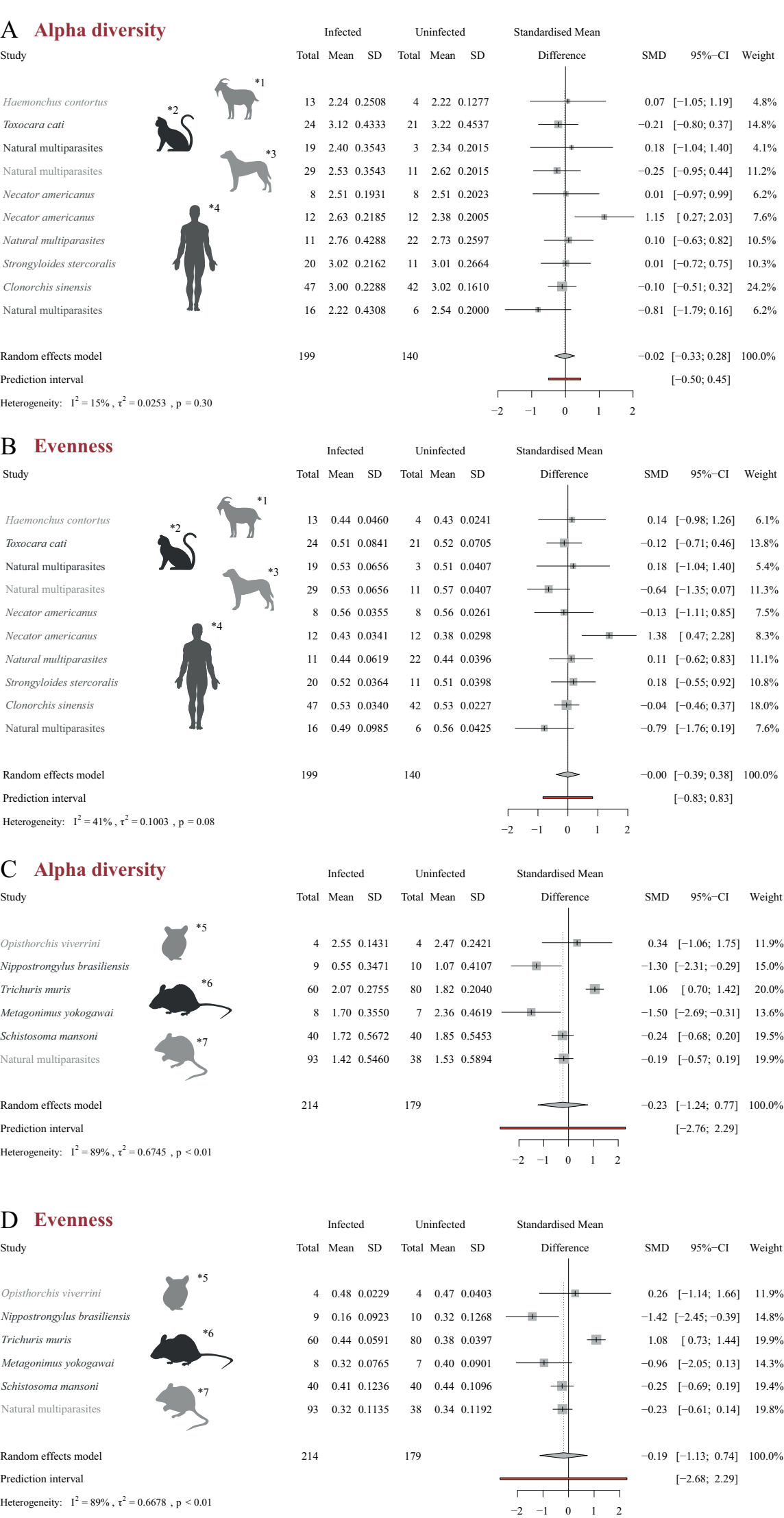
A Alpha diversity
Infected
Uninfected
Standardised Mean
Study
Total Mean SD Total Mean SD
Difference
SMD 95%−CI Weight
*1
*2
*3
*4
Haemonchus contortus 13 2.24 0.2508 4 2.22 0.1277 0.07 [−1.05; 1.19] 4.8%
Toxocara cati 24 3.12 0.4333 21 3.22 0.4537 −0.21 [−0.80; 0.37] 14.8%
Natural multiparasites 19 2.40 0.3543 3 2.34 0.2015 0.18 [−1.04; 1.40] 4.1%
Natural multiparasites 29 2.53 0.3543 11 2.62 0.2015 −0.25 [−0.95; 0.44] 11.2%
Necator americanus 8 2.51 0.1931 8 2.51 0.2023 0.01 [−0.97; 0.99] 6.2%
Necator americanus 12 2.63 0.2185 12 2.38 0.2005 1.15 [0.27; 2.03] 7.6%
Natural multiparasites 11 2.76 0.4288 22 2.73 0.2597 0.10 [−0.63; 0.82] 10.5%
Strongyloides stercoralis 20 3.02 0.2162 11 3.01 0.2664 0.01 [−0.72; 0.75] 10.3%
Clonorchis sinensis 47 3.00 0.2288 42 3.02 0.1610 −0.10 [−0.51; 0.32] 24.2%
Natural multiparasites 16 2.22 0.4308 6 2.54 0.2000 −0.81 [−1.79; 0.16] 6.2%
Random effects model 199 140 −0.02 [−0.33; 0.28] 100.0%
Prediction interval [−0.50; 0.45]
Heterogeneity: I^2 = 15% , τ^2 = 0.0253 , p = 0.30
−2 −1 0 1 2
B Evenness
Infected
Uninfected
Standardised Mean
Study
Total Mean SD Total Mean SD
Difference
SMD 95%−CI Weight
*1
*2
*3
*4
Haemonchus contortus 13 0.44 0.0460 4 0.43 0.0241 0.14 [−0.98; 1.26] 6.1%
Toxocara cati 24 0.51 0.0841 21 0.52 0.0705 −0.12 [−0.71; 0.46] 13.8%
Natural multiparasites 19 0.53 0.0656 3 0.51 0.0407 0.18 [−1.04; 1.40] 5.4%
Natural multiparasites 29 0.53 0.0656 11 0.57 0.0407 −0.64 [−1.35; 0.07] 11.3%
Necator americanus 8 0.56 0.0355 8 0.56 0.0261 −0.13 [−1.11; 0.85] 7.5%
Necator americanus 12 0.43 0.0341 12 0.38 0.0298 1.38 [0.47; 2.28] 8.3%
Natural multiparasites 11 0.44 0.0619 22 0.44 0.0396 0.11 [−0.62; 0.83] 11.1%
Strongyloides stercoralis 20 0.52 0.0364 11 0.51 0.0398 0.18 [−0.55; 0.92] 10.8%
Clonorchis sinensis 47 0.53 0.0340 42 0.53 0.0227 −0.04 [−0.46; 0.37] 18.0%
Natural multiparasites 16 0.49 0.0985 6 0.56 0.0425 −0.79 [−1.76; 0.19] 7.6%
Random effects model 199 140 −0.00 [−0.39; 0.38] 100.0%
Prediction interval [−0.83; 0.83]
Heterogeneity: I^2 = 41% , τ^2 = 0.1003 , p = 0.08
−2 −1 0 1 2
C Alpha diversity
Infected
Uninfected
Standardised Mean
Study
Total Mean SD Total Mean SD
Difference
SMD 95%−CI Weight
*5
*6
*7
Opisthorchis viverrini 4 2.55 0.1431 4 2.47 0.2421 0.34 [−1.06; 1.75] 11.9%
Nippostrongylus brasiliensis 9 0.55 0.3471 10 1.07 0.4107 −1.30 [−2.31; −0.29] 15.0%
Trichuris muris 60 2.07 0.2755 80 1.82 0.2040 1.06 [0.70; 1.42] 20.0%
Metagonimus yokogawai 8 1.70 0.3550 7 2.36 0.4619 −1.50 [−2.69; −0.31] 13.6%
Schistosoma mansoni 40 1.72 0.5672 40 1.85 0.5453 −0.24 [−0.68; 0.20] 19.5%
Natural multiparasites 93 1.42 0.5460 38 1.53 0.5894 −0.19 [−0.57; 0.19] 19.9%
Random effects model 214 179 −0.23 [−1.24; 0.77] 100.0%
Prediction interval [−2.76; 2.29]
Heterogeneity: I^2 = 89% , τ^2 = 0.6745 , p < 0.01
−2 −1 0 1 2
D Evenness
Infected
Uninfected
Standardised Mean
Study
Total Mean SD Total Mean SD
Difference
SMD 95%−CI Weight
*5
*6
*7
Opisthorchis viverrini 4 0.48 0.0229 4 0.47 0.0403 0.26 [−1.14; 1.66] 11.9%
Nippostrongylus brasiliensis 9 0.16 0.0923 10 0.32 0.1268 −1.42 [−2.45; −0.39] 14.8%
Trichuris muris 60 0.44 0.0591 80 0.38 0.0397 1.08 [0.73; 1.44] 19.9%
Metagonimus yokogawai 8 0.32 0.0765 7 0.40 0.0901 −0.96 [−2.05; 0.13] 14.3%
Schistosoma mansoni 40 0.41 0.1236 40 0.44 0.1096 −0.25 [−0.69; 0.19] 19.4%
Natural multiparasites 93 0.32 0.1135 38 0.34 0.1192 −0.23 [−0.61; 0.14] 19.8%
Random effects model 214 179 −0.19 [−1.13; 0.74] 100.0%
Prediction interval [−2.68; 2.29]
Heterogeneity: I^2 = 89% , τ^2 = 0.6678 , p < 0.01
−2 −1 0 1 2