

Additional file 1

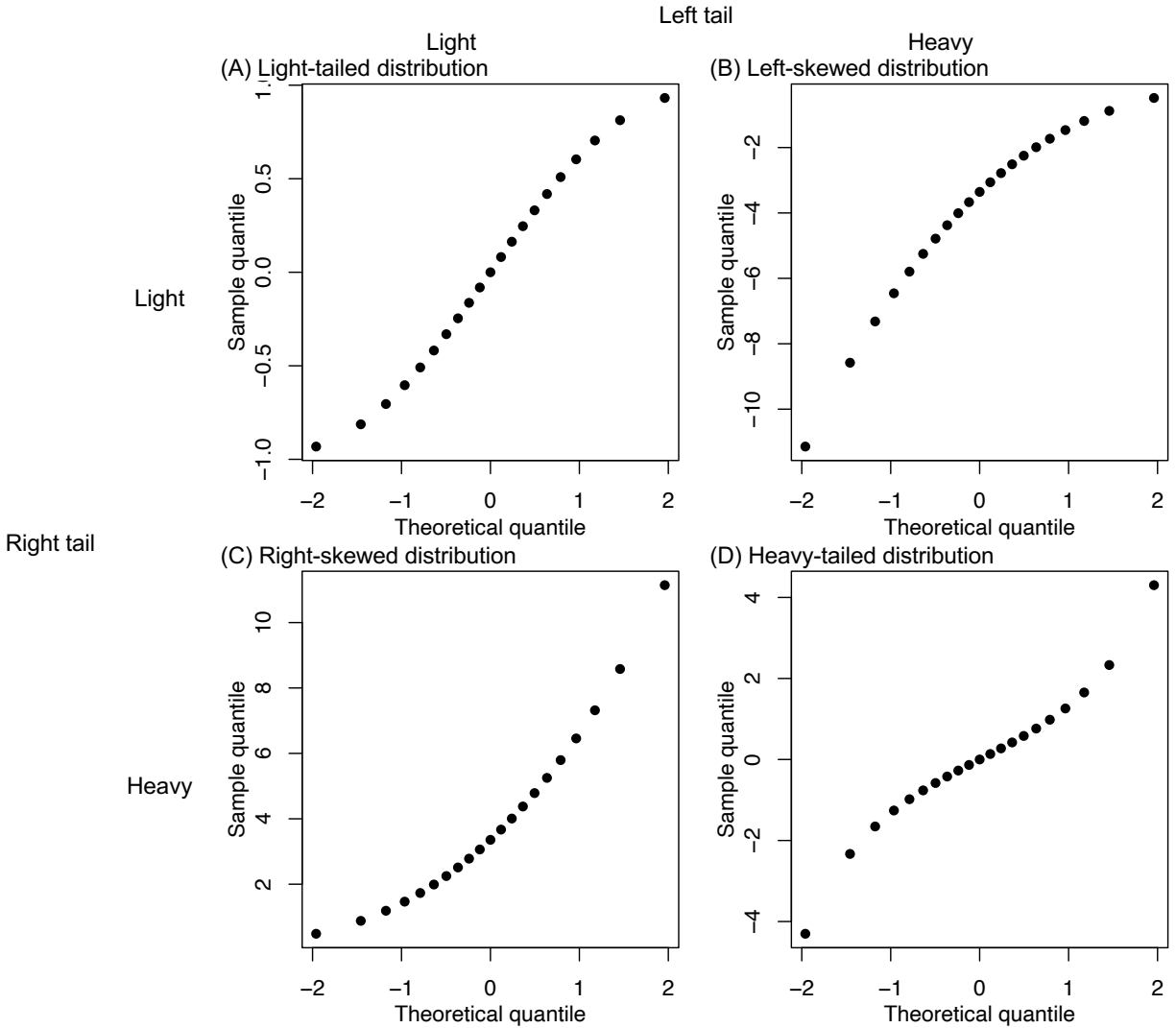
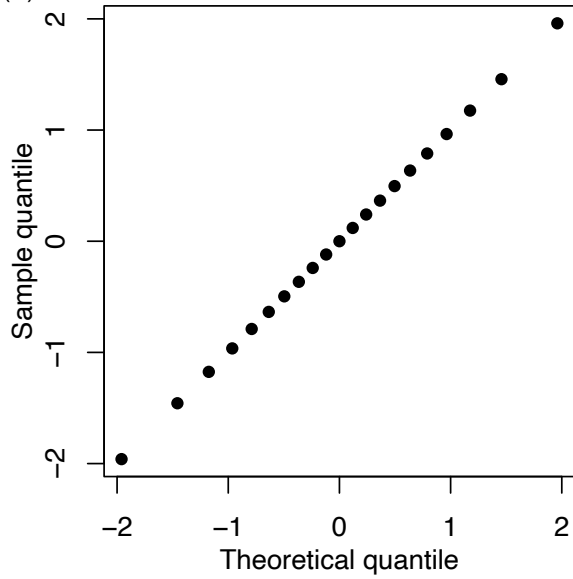


Fig. S1. Examples of Q–Q plots in four tail scenarios with respect to the normal distribution’s tails. (A) Truncated normal distribution with mean 0 and variance 1, truncated within the interval (0, 1). (B) Distribution of the negative value of a gamma variable with shape and scale parameters both equal 2. (C) Gamma distribution with shape and scale parameters both equal 2. (D) t_2 distribution.

(A) Normal distribution



(B) Bimodal distribution

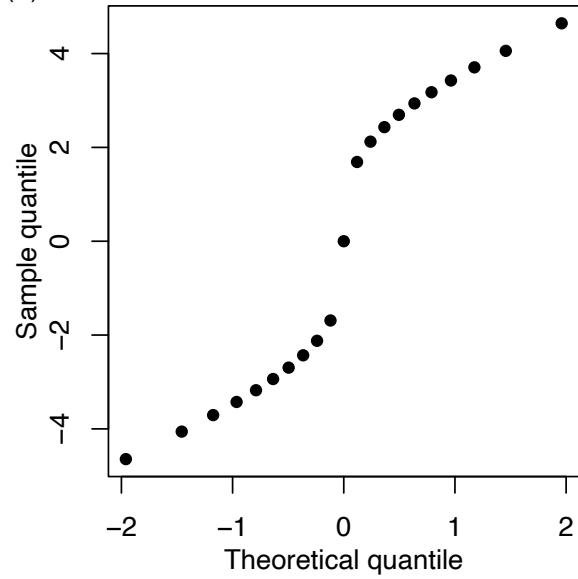
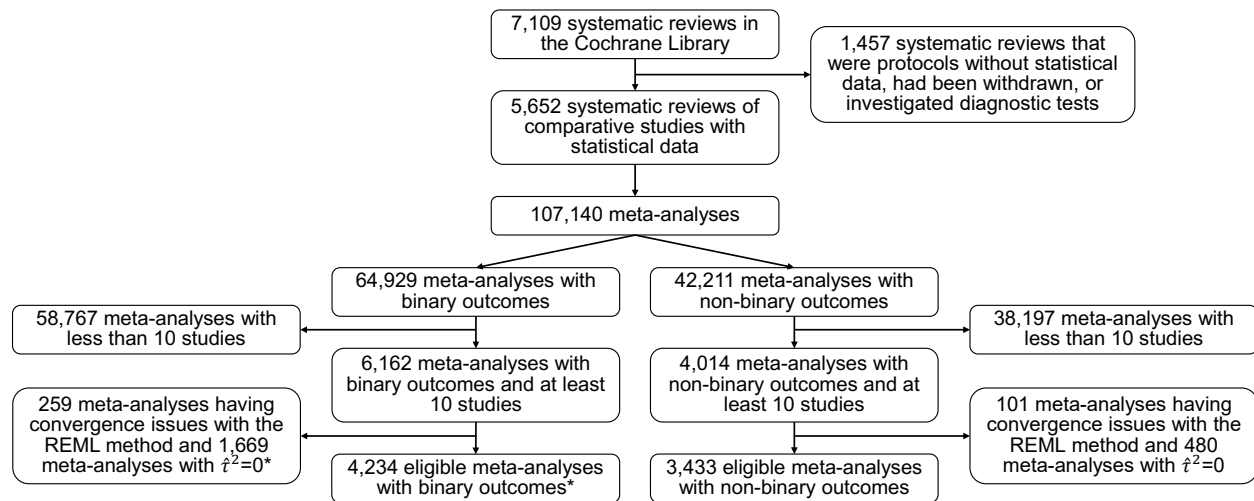


Fig. S2. Examples of Q–Q plots in unimodal and bimodal scenarios. (A) The standard normal distribution. (B) The mixture of two normal distributions, $0.5N(-3, 1) + 0.5N(3, 1)$.



*Based on originally reported effect measures

Fig. S3. Flow chart of selecting the meta-analyses from the Cochrane Library.