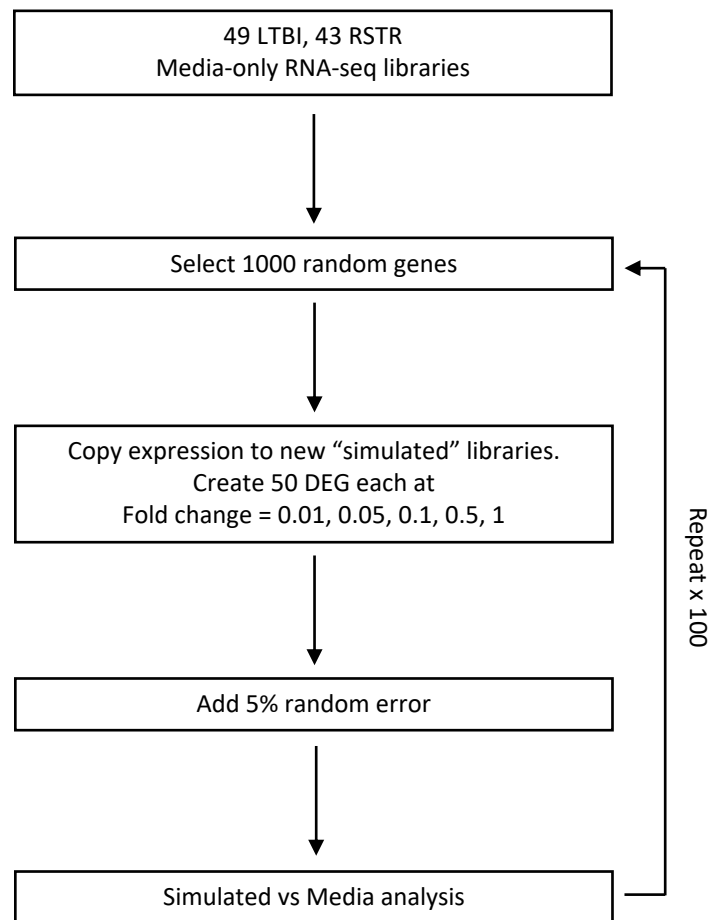
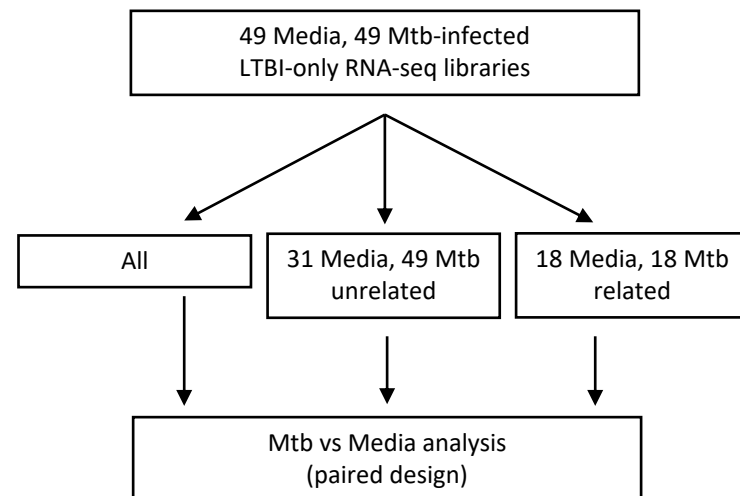


**A****Simulated DEG data (unpaired or paired)**

DEG: differentially expressed gene  
 LTBI: latent tuberculosis infection  
 Mtb: *Mycobacterium tuberculosis*  
 Related: At least 1 pairwise kinship > 0.125  
 RSTR: tuberculosis resister  
 Unrelated: all pairwise kinship < 0.125

**B****Mtb vs media real-world data (paired)****C****RSTR vs LTBI real-world data (unpaired)**