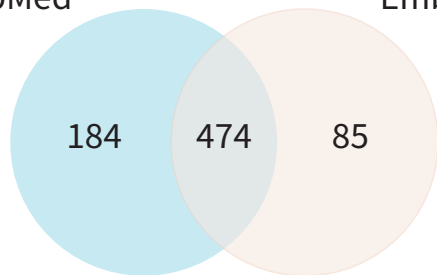


PubMed

Embase



n = 743 unique articles from PubMed  
and Embase databases

Title Screen

n = 375 articles excluded

Not in English = 2

Not *Drosophila* = 65

Focus on larva = 59

Not focused on olfactory learning = 249

n = 368 articles

Abstract Screen

n = 232 articles excluded

Focus on larva = 19

Not focused on olfactory learning = 81

Not focused on gene loss of function = 132

n = 136 articles

Full Text Screen

n = 84 articles excluded

Not STM = 26

Not focused on gene loss of function = 26

Not using T-maze assay = 24

Mushroom body structural deficit = 5

Impaired locomotion or olfactory acuity = 2

Retracted article = 1

n = 52 articles

Experimental  
Design

n = 2 articles excluded

Gap between training and test > 5 min = 2

n = 50 articles for data extraction