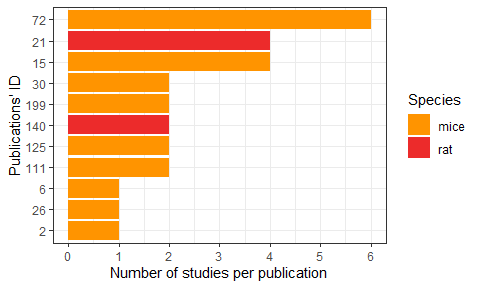
Exploring extremes values (ES and SD)

#### EXPLORATORY ANALYSIS OF EXTREME EFFECTS —-

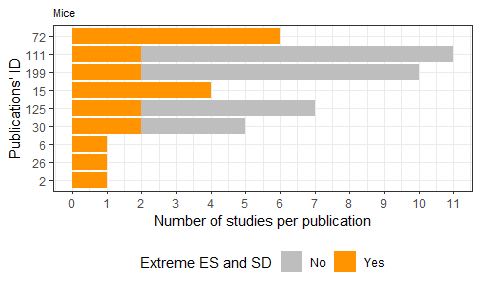
#### How many studies has a effect size >= 5 and sd >=3? How much % they represent of the library?

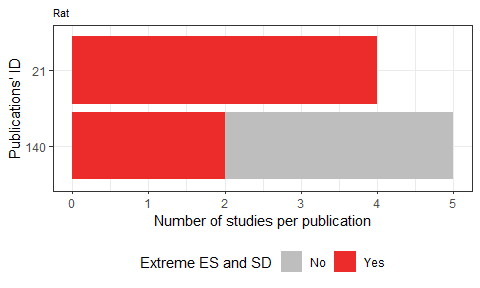
[1] "There are 27 studies with extremes ES and SD, representing 4.813 % of the total number of studies."

#### How many publications they represent? are they nested?



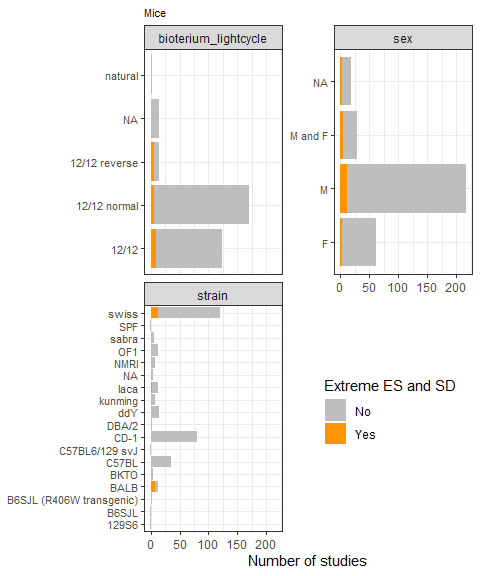
#### All studies from these publications present a extreme effect size?

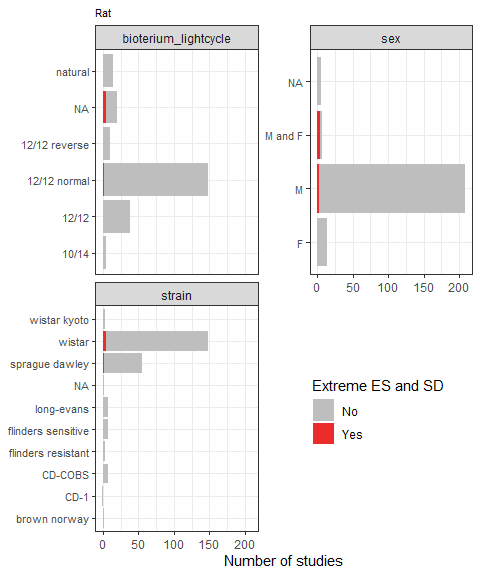




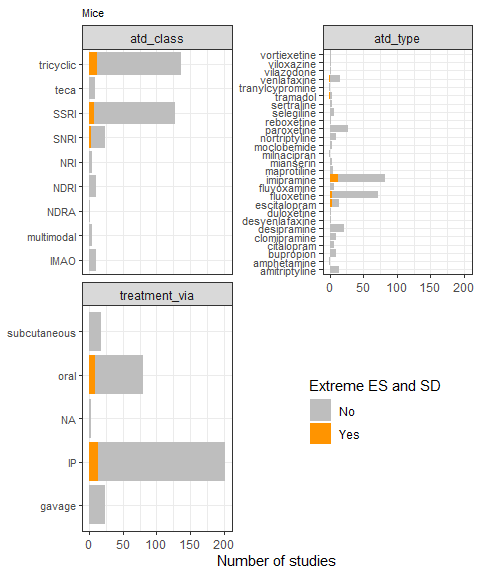
#### What are the characteristics of these studies?

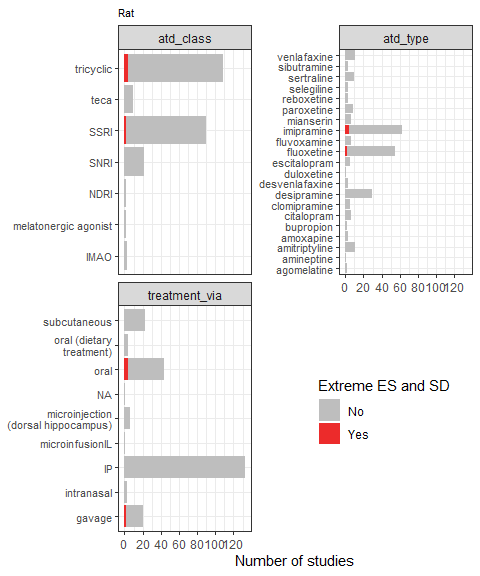
## by population:



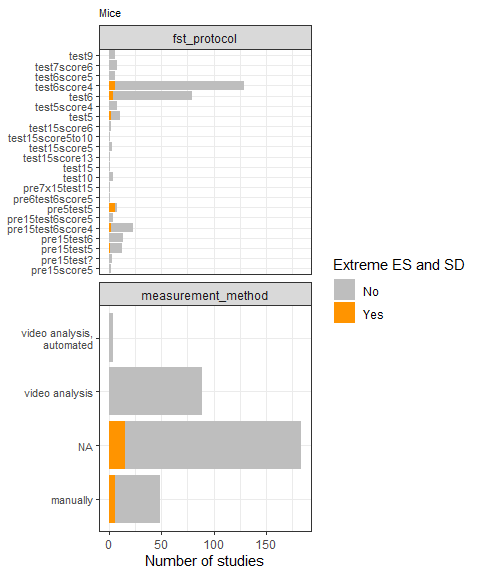


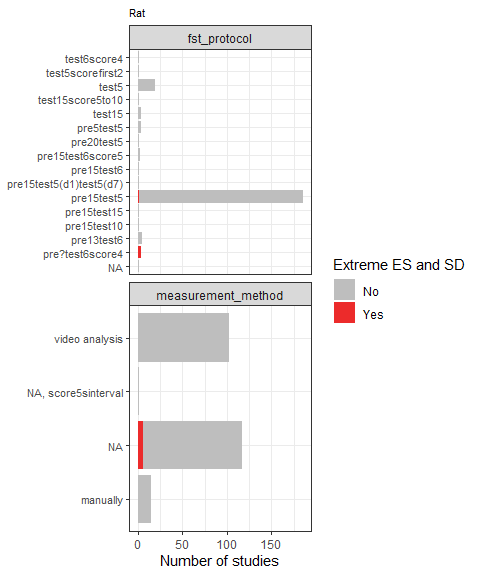
## intervention:



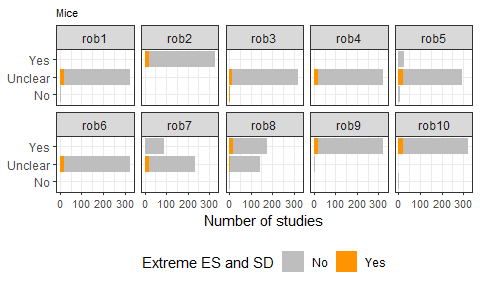


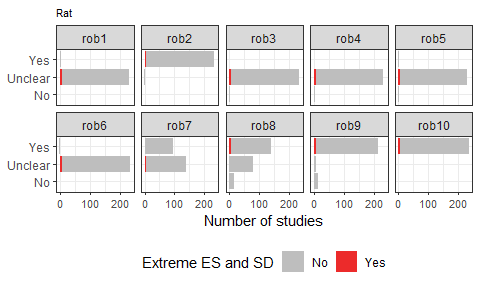
## outcome:





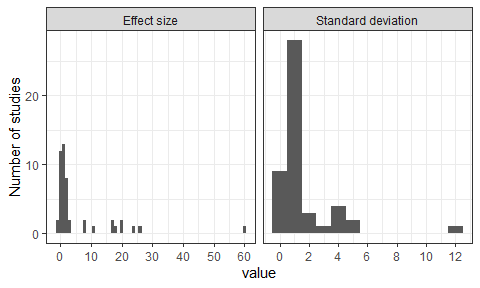
## validity:





##### What’s the effect size from the studies that reported not doing practices to ganrantee internal quality?

| min\_es | max\_es | mean\_es | median\_es | min\_sd | max\_sd | mean\_sd | median\_sd |
| --- | --- | --- | --- | --- | --- | --- | --- |
| -0.8447454 | 60.4895 | 5.518965 | 1.270882 | 0.3318937 | 12.36086 | 1.41048 | 0.5903493 |



#### How much do these studies with extremes ES/SD represent by the Risk of Bias?

| **High RoB** | **FALSE**, N = 513*1* | **TRUE**, N = 48*1* |
| --- | --- | --- |
| **Extreme ES and SD** | 19 (3.7%) | 8 (17%) |
| High RoB = High risk of bias at least in one practice. | | |
| *1*n (%) | | |

#### How much does the publication that contains extremes ES/SD represent by the Risk of Bias?

| **High RoB** | **FALSE**, N = 179*1* | **TRUE**, N = 21*1* |
| --- | --- | --- |
| **Extreme ES and SD** | 3 (1.7%) | 3 (14%) |
| High RoB = High risk of bias at least in one practice. | | |
| *1*n (%) | | |

#### What are the characteristics from these studies with extreme ES and SD that present at least one high risk of bias?

| id | species | sex | strain | bioterium\_lightcycle | atd\_class | atd\_type | treatment\_via | fst\_protocol | measurement\_method |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | mice | M and F | swiss | 12/12 | SSRI | fluoxetine | IP | test5 | NA |
| 6 | mice | NA | swiss | 12/12 normal | tricyclic | imipramine | oral | pre15test5 | NA |
| 72 | mice | M | swiss | 12/12 reverse | tricyclic | imipramine | oral | pre5test5 | NA |
| 72 | mice | M | swiss | 12/12 reverse | tricyclic | imipramine | oral | pre5test5 | NA |
| 72 | mice | M | swiss | 12/12 reverse | tricyclic | imipramine | oral | pre5test5 | NA |
| 72 | mice | M | BALB | 12/12 reverse | tricyclic | imipramine | oral | pre5test5 | NA |
| 72 | mice | M | BALB | 12/12 reverse | tricyclic | imipramine | oral | pre5test5 | NA |
| 72 | mice | M | BALB | 12/12 reverse | tricyclic | imipramine | oral | pre5test5 | NA |