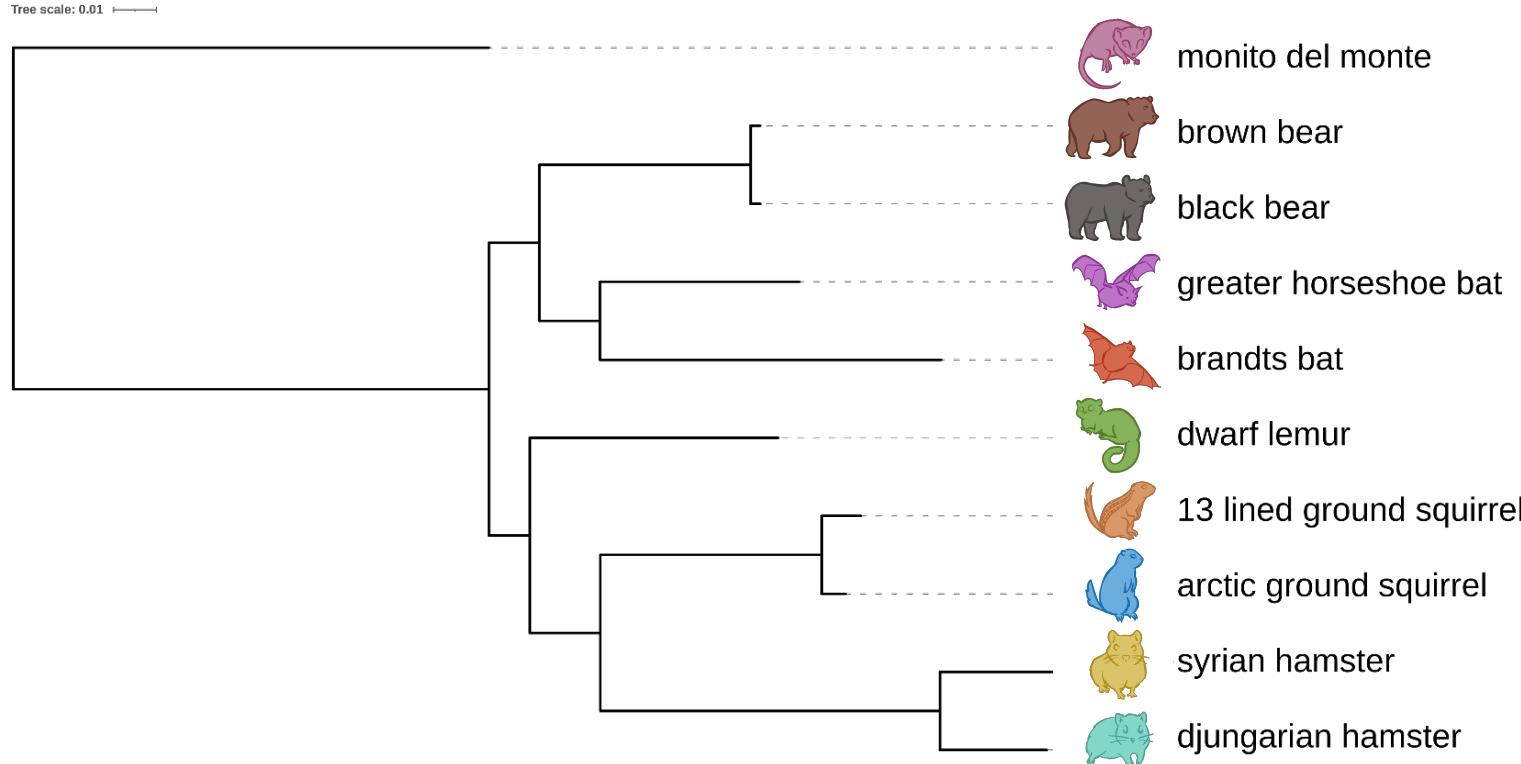


GO Plots

Made using clusterProfiler gseGO()

- Many upregulated enriched GO processes are shared (often metabolic), while hardly any downregulated are

Species tree

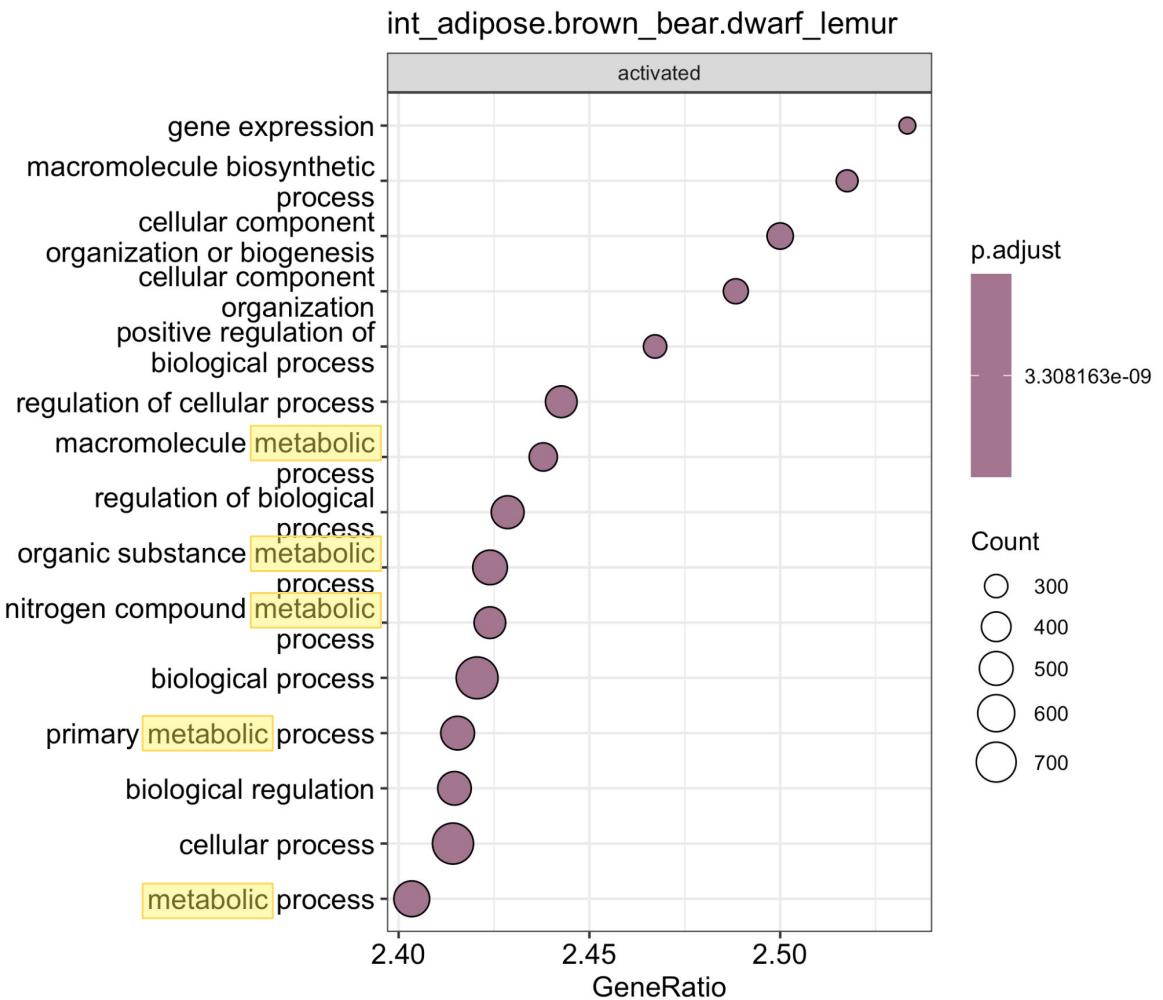


adipose



Species: brown bear, syrian hamster, dwarf lemur

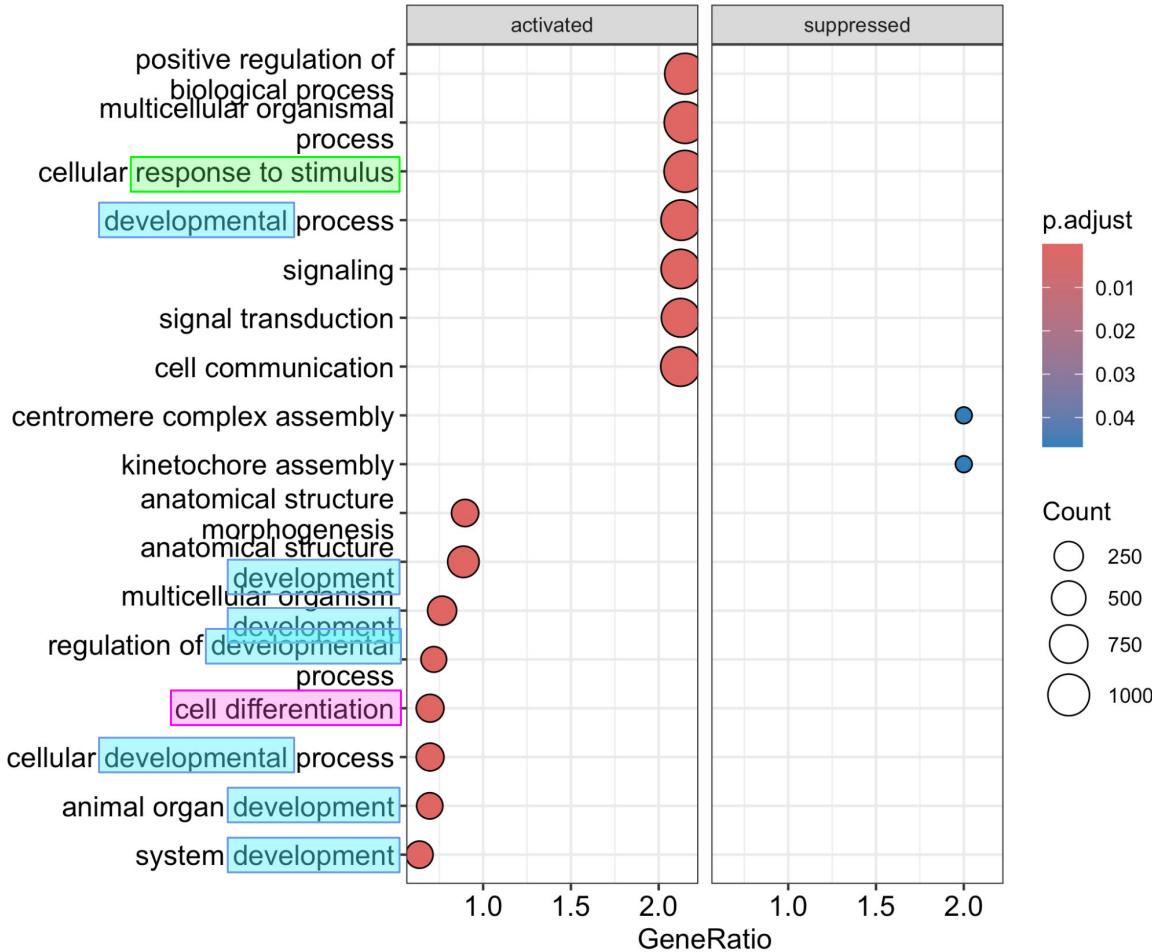
1. brown bear & dwarf lemur shared
2. brown bear & syrian hamster shared
3. dwarf lemur & syrian hamster shared
4. brown bear, dwarf lemur, & syrian hamster shared
5. brown bear only
6. dwarf lemur only
7. syrian hamster only



1. brown bear & dwarf lemur shared



int_adipose.brown_bear.syrian_hamster

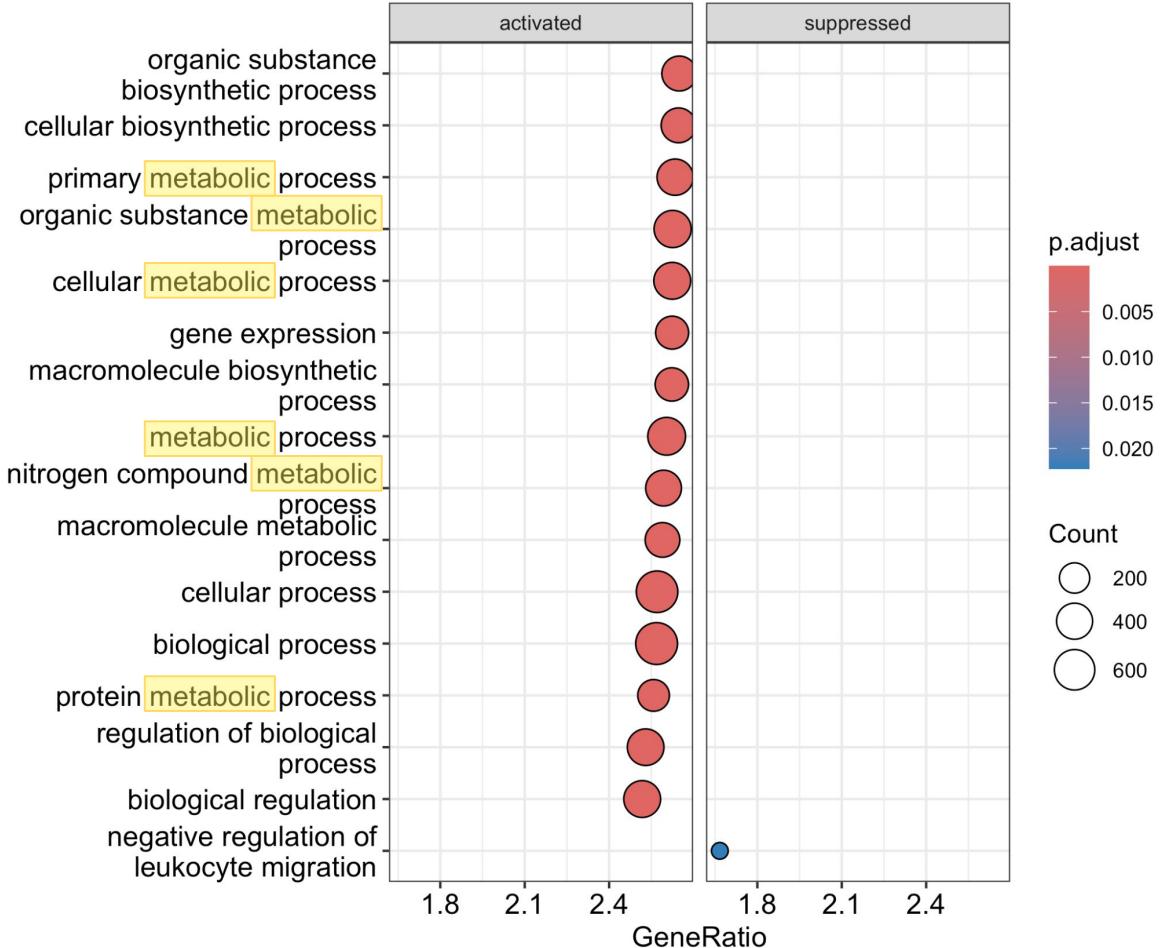


2. brown bear & syrian hamster shared



Many development processes are significantly upregulated

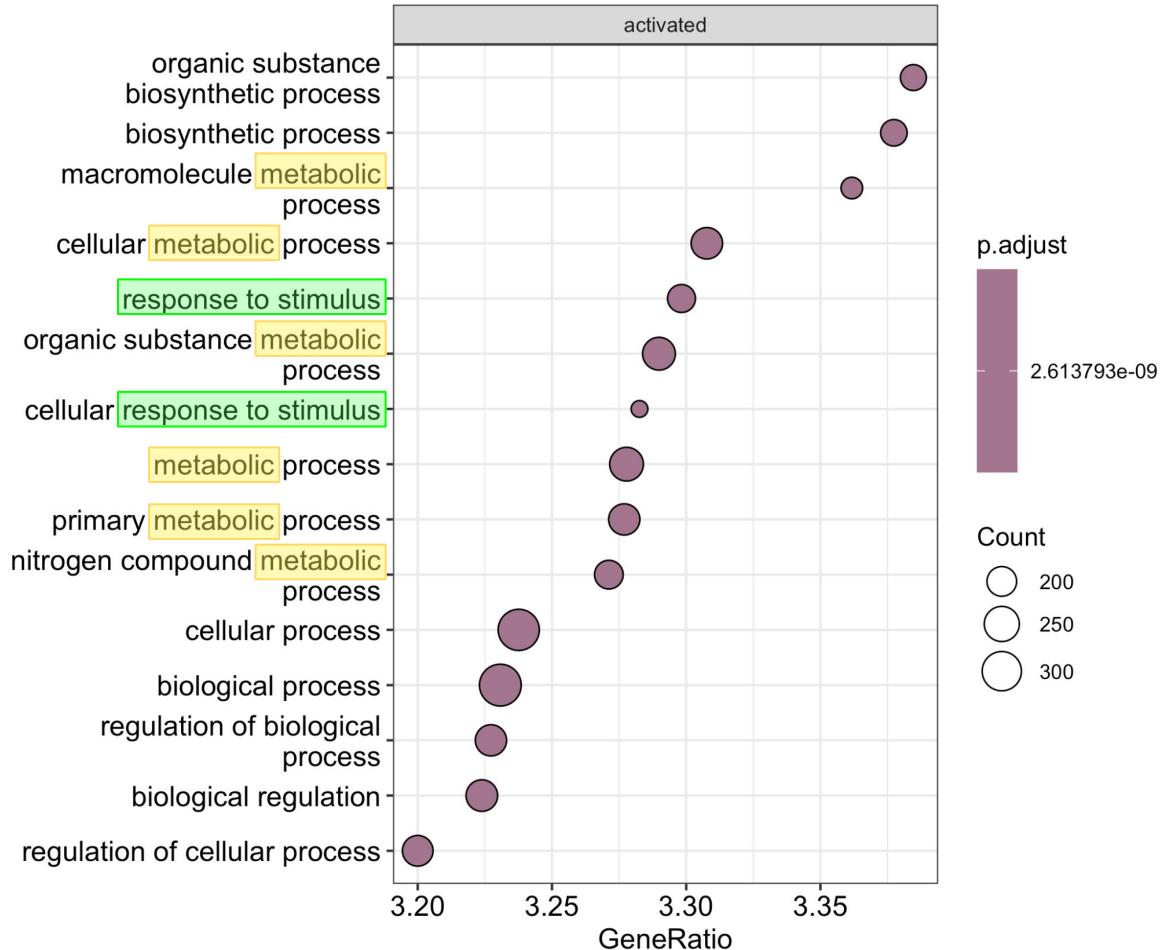
int_adipose.syrian_hamster.dwarf_lemur



3. dwarf lemur & syrian hamster shared



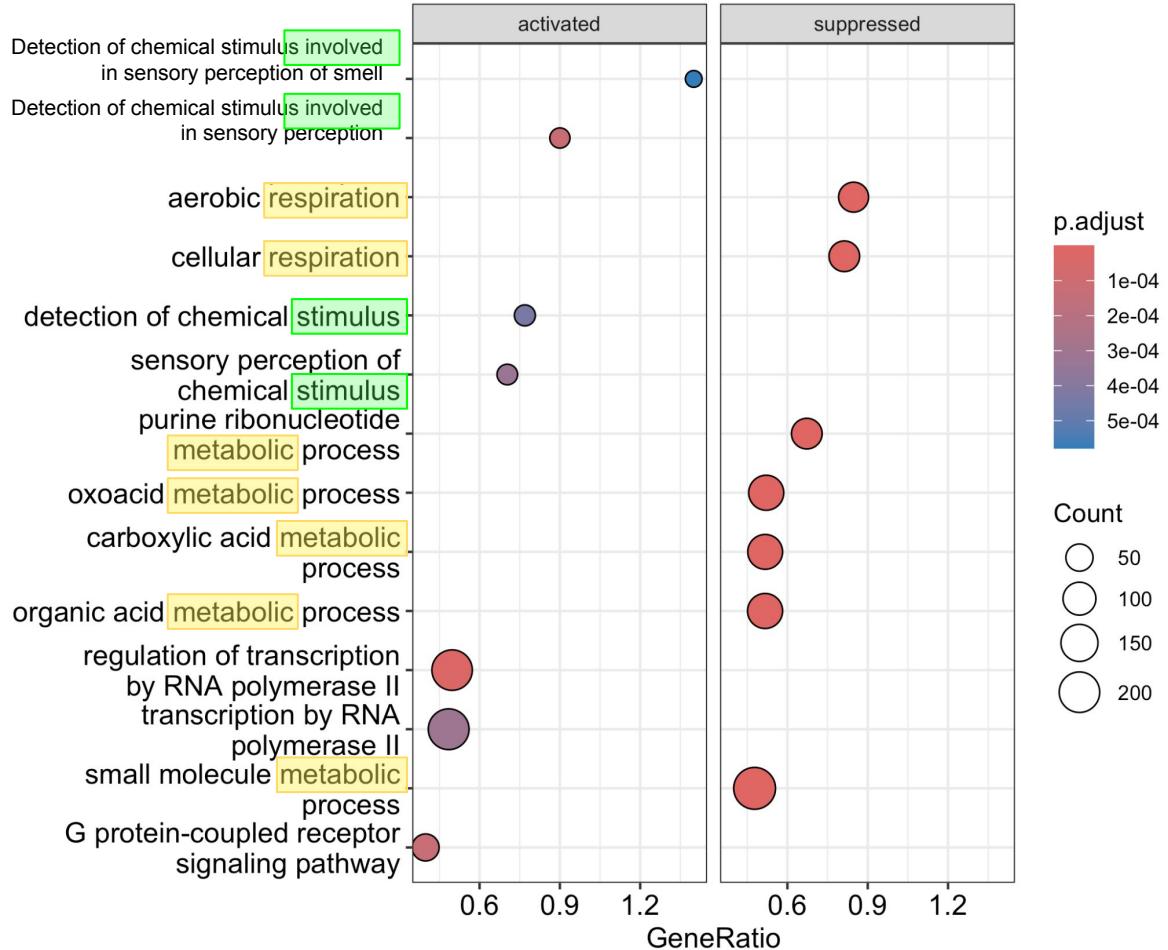
int_adipose.brown_bear.syrian_hamster.dwarf_lemur



4. brown bear, dwarf
lemur, & syrian
hamster **shared**



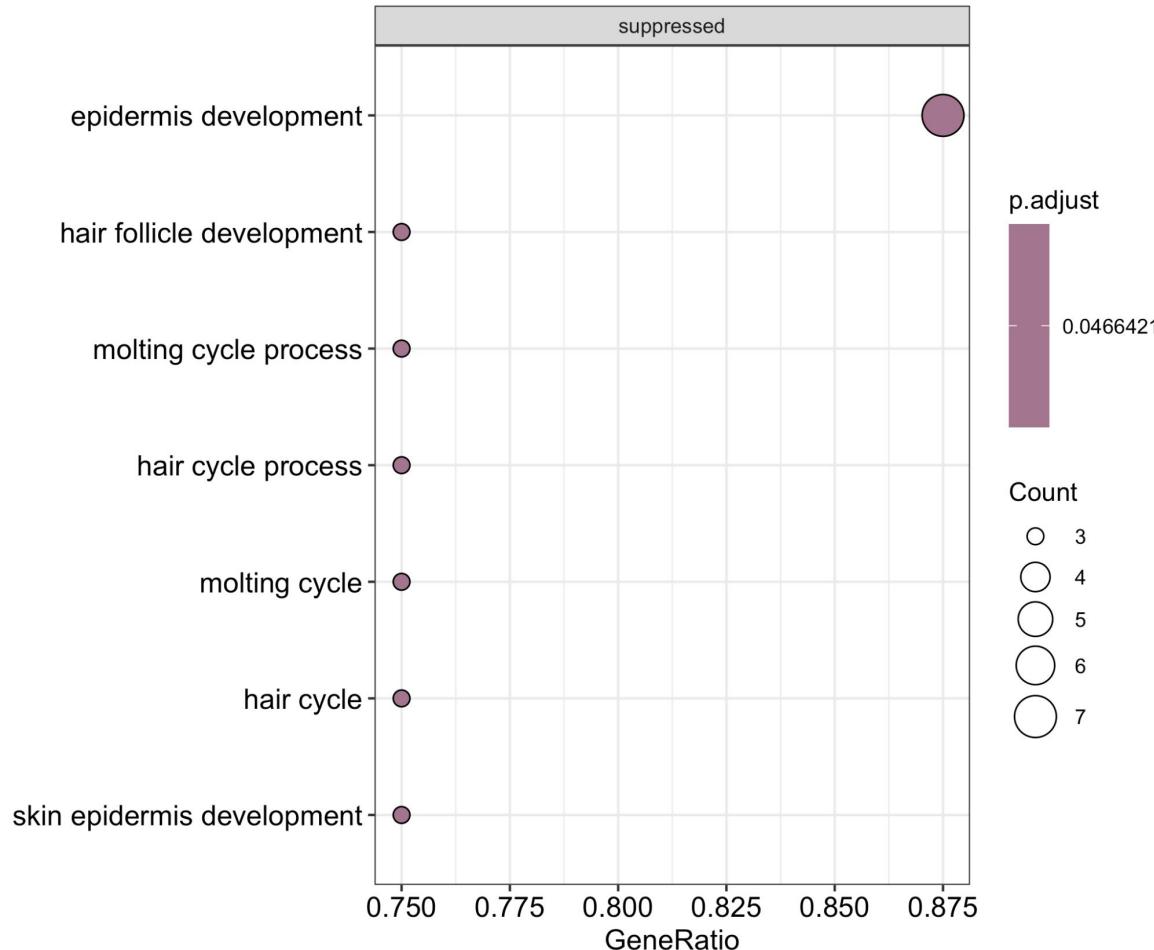
uni_adipose.brown_bear



5. brown bear only



uni_adipose.dwarf_lemur



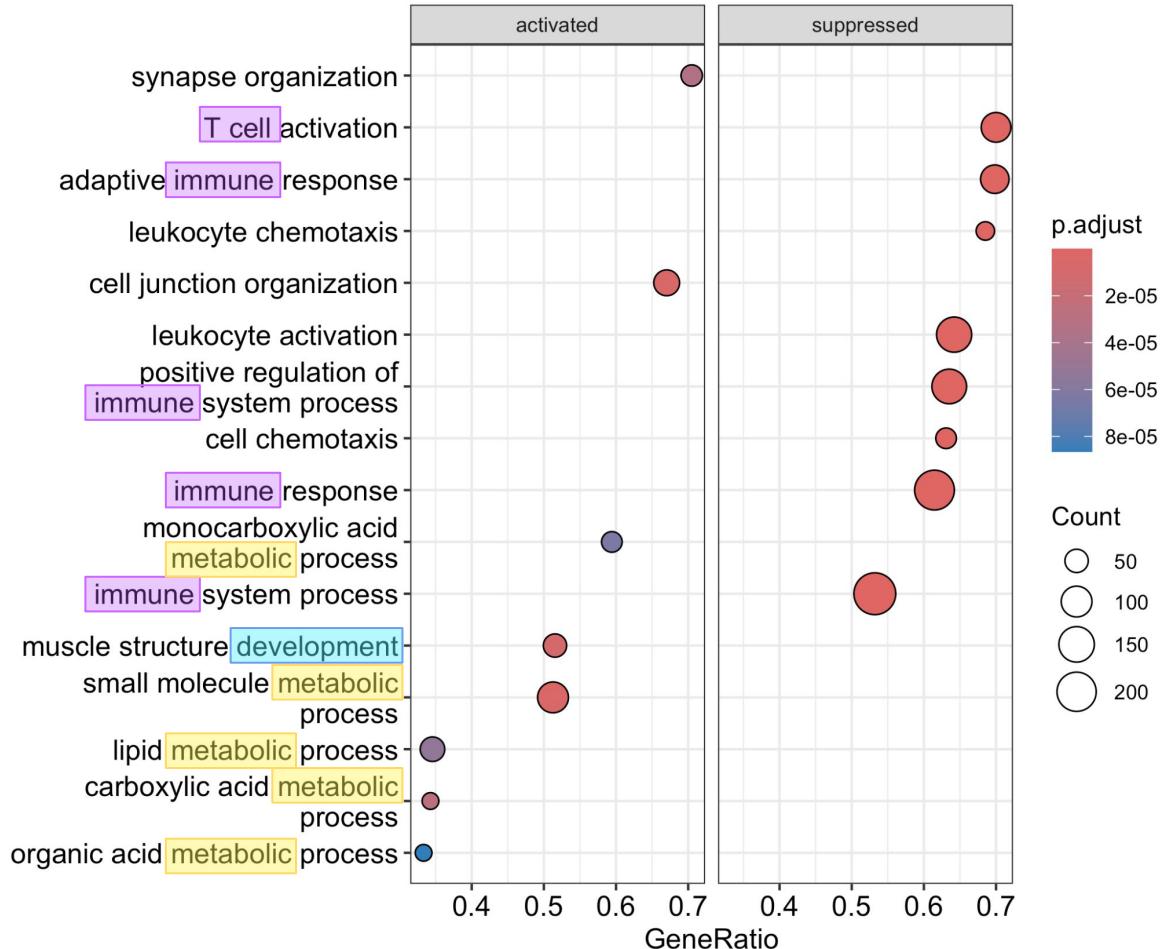
6. dwarf lemur only



Probably hair
follicle
contamination?

Skin, hair, molting,
but they're
downregulated, and
not that significant

uni_adipose.syrian_hamster



7. syrian hamster only



Immunity related processes are significantly downregulated

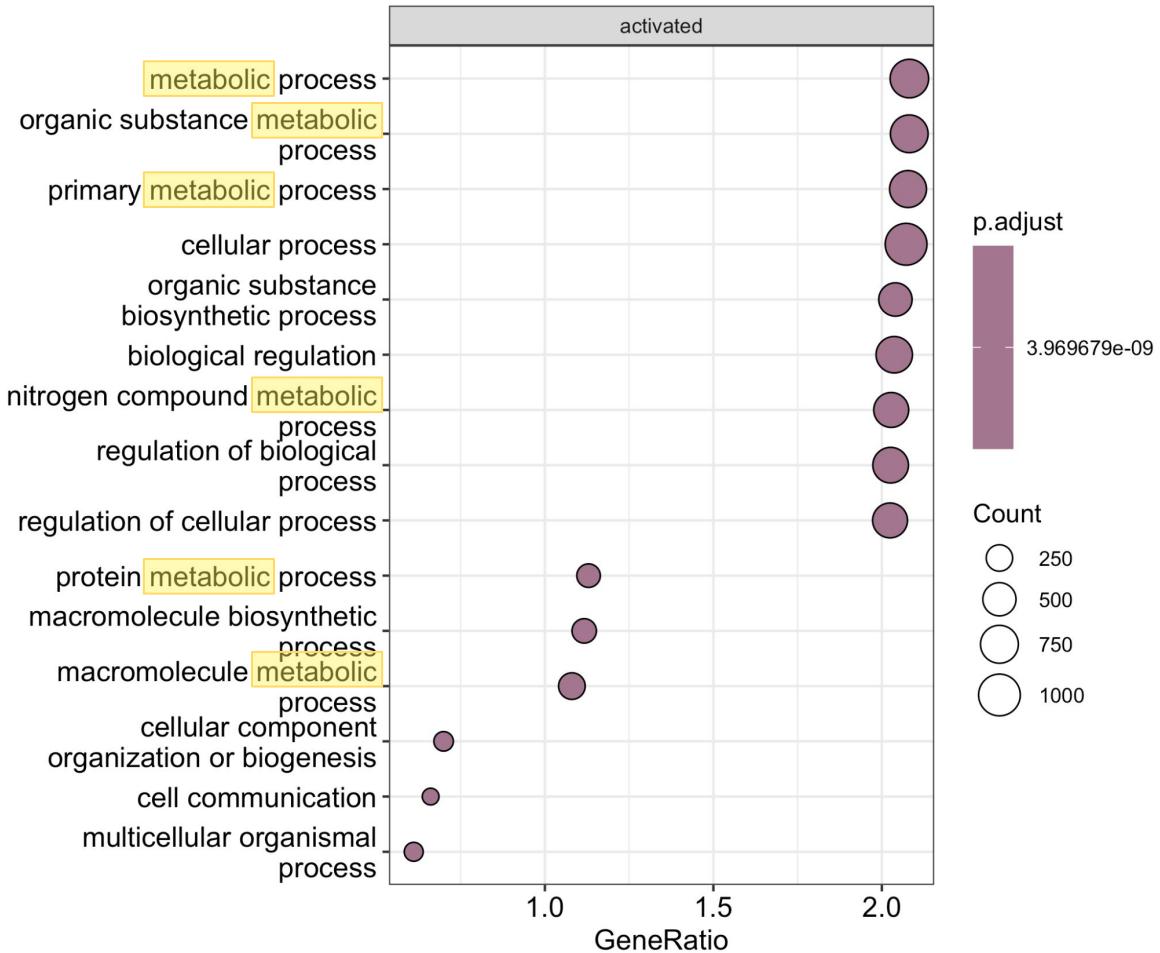
liver



Species: brown bear, brandts bat

1. brown bear & brandts bat shared
2. brown bear only
3. brandts bat only

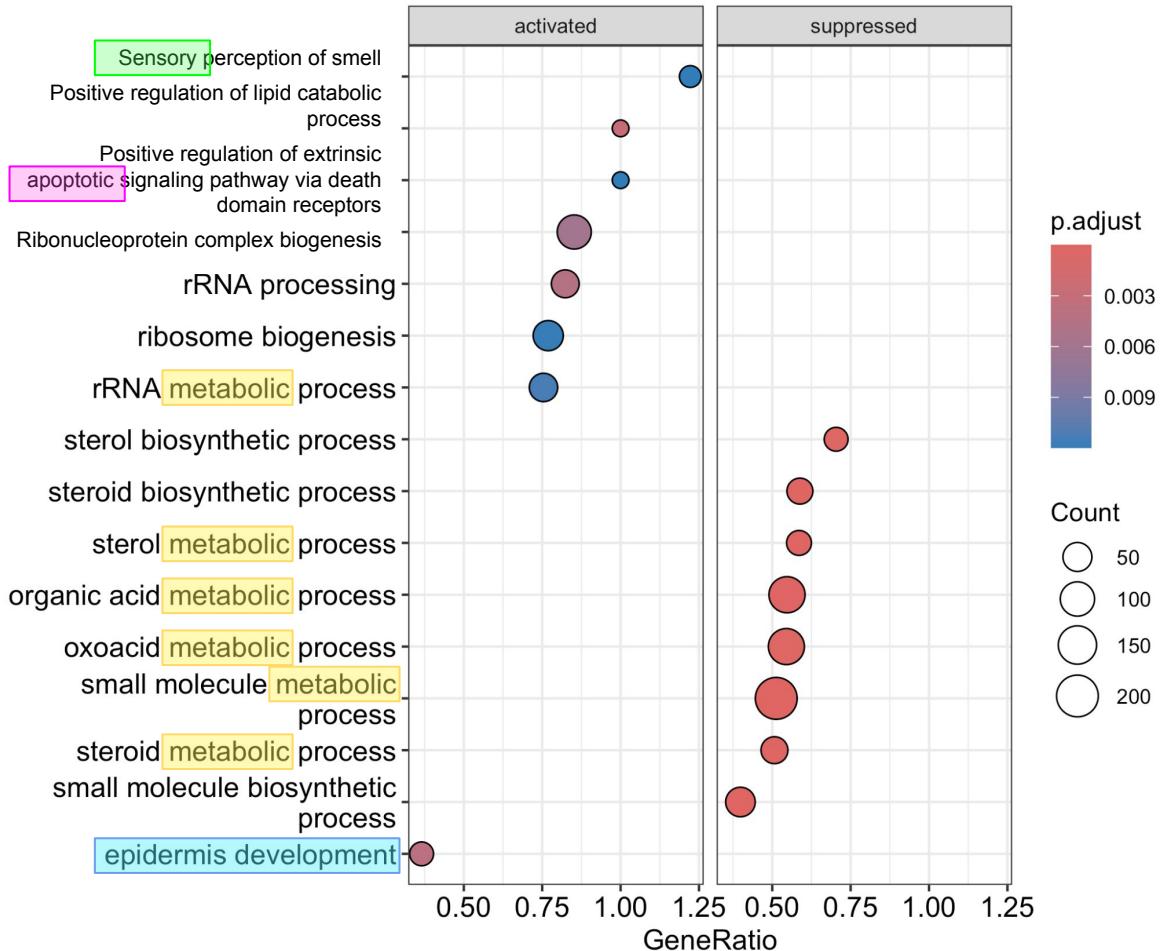
int_liver.brown_bear.brandts_bat



1. brown bear & brandts bat **shared**



uni_liver.brown_bear



2. brown bear only



3. brandts bat **only**

None enriched



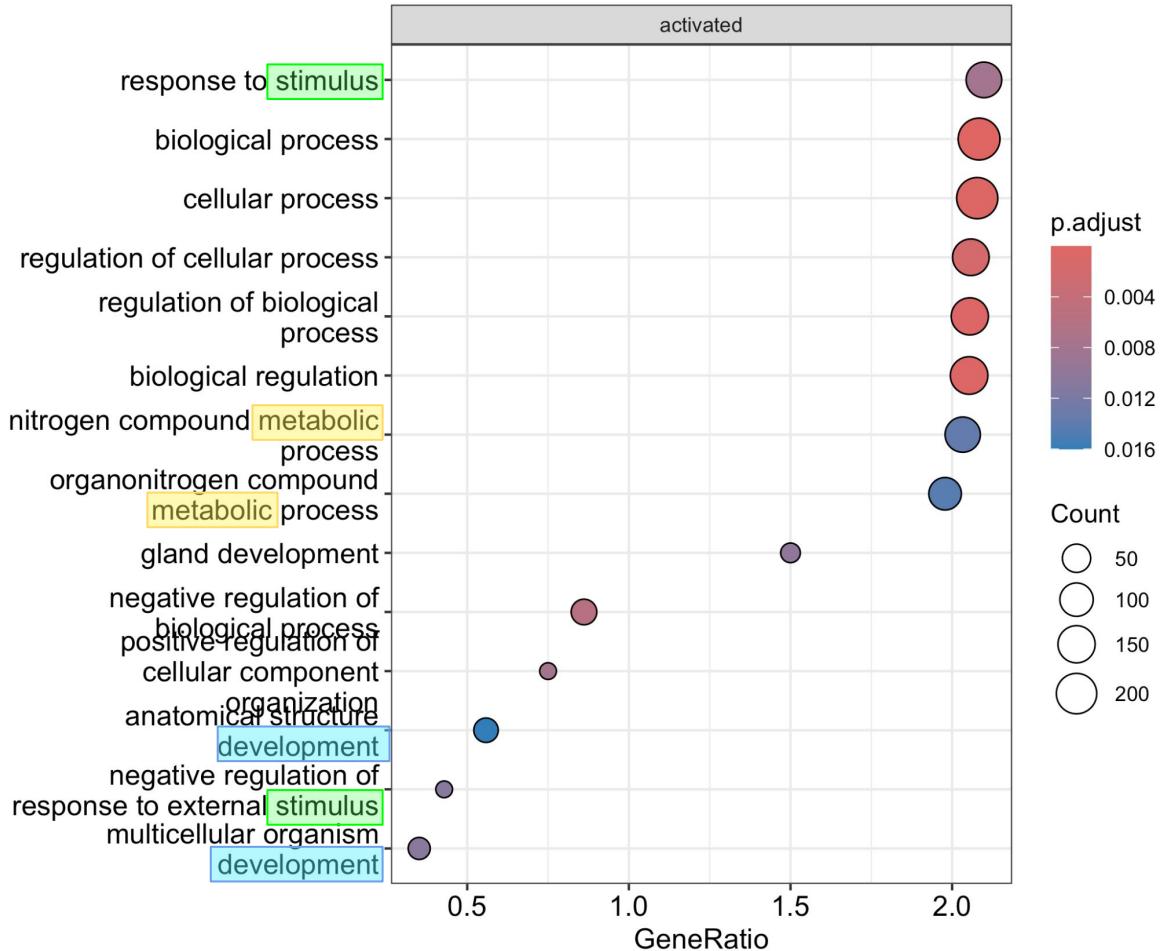
muscle



Species: brown bear, arctic ground squirrel

1. brown bear & arctic ground squirrel shared
2. brown bear only
3. arctic ground squirrel only

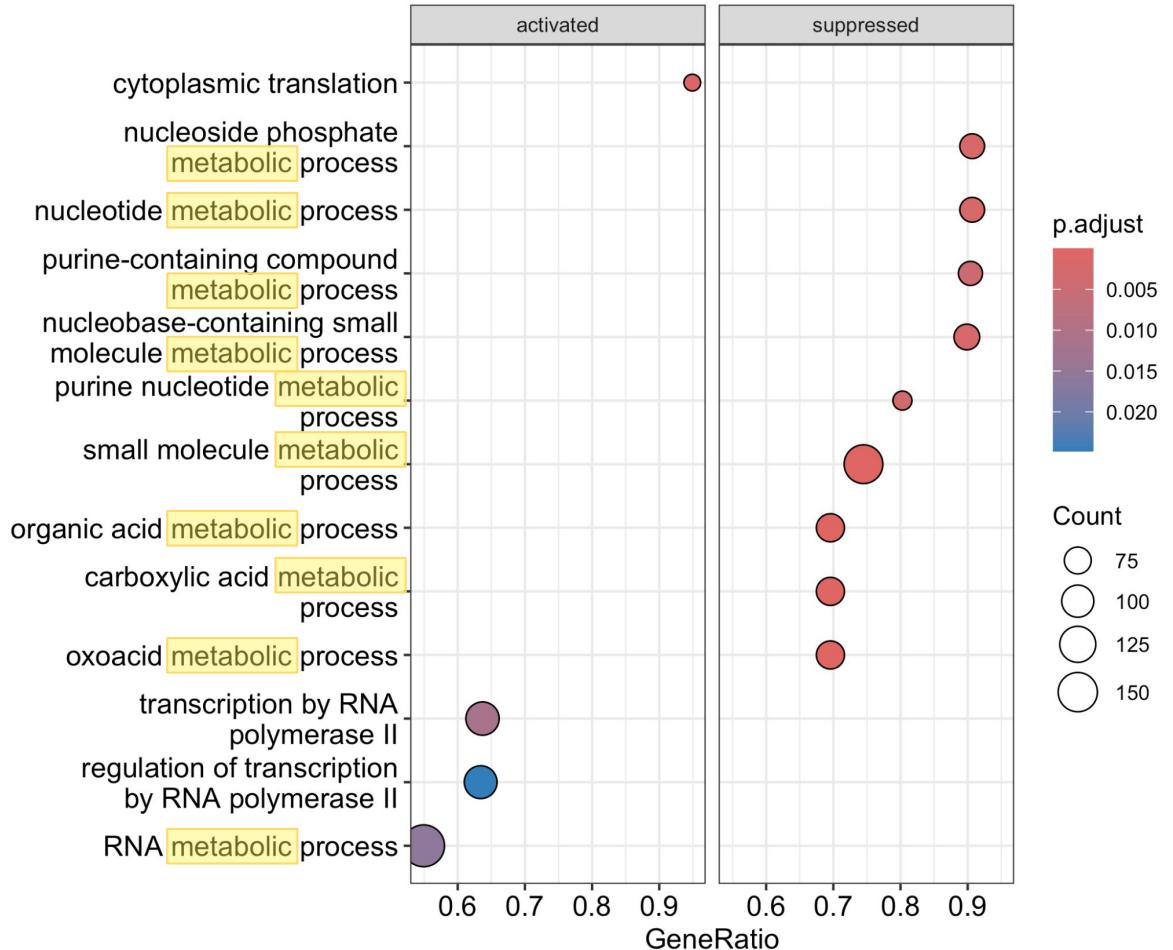
int_muscle.brown_bear.arctic_ground_squirrel



1. brown bear & arctic ground squirrel **shared**



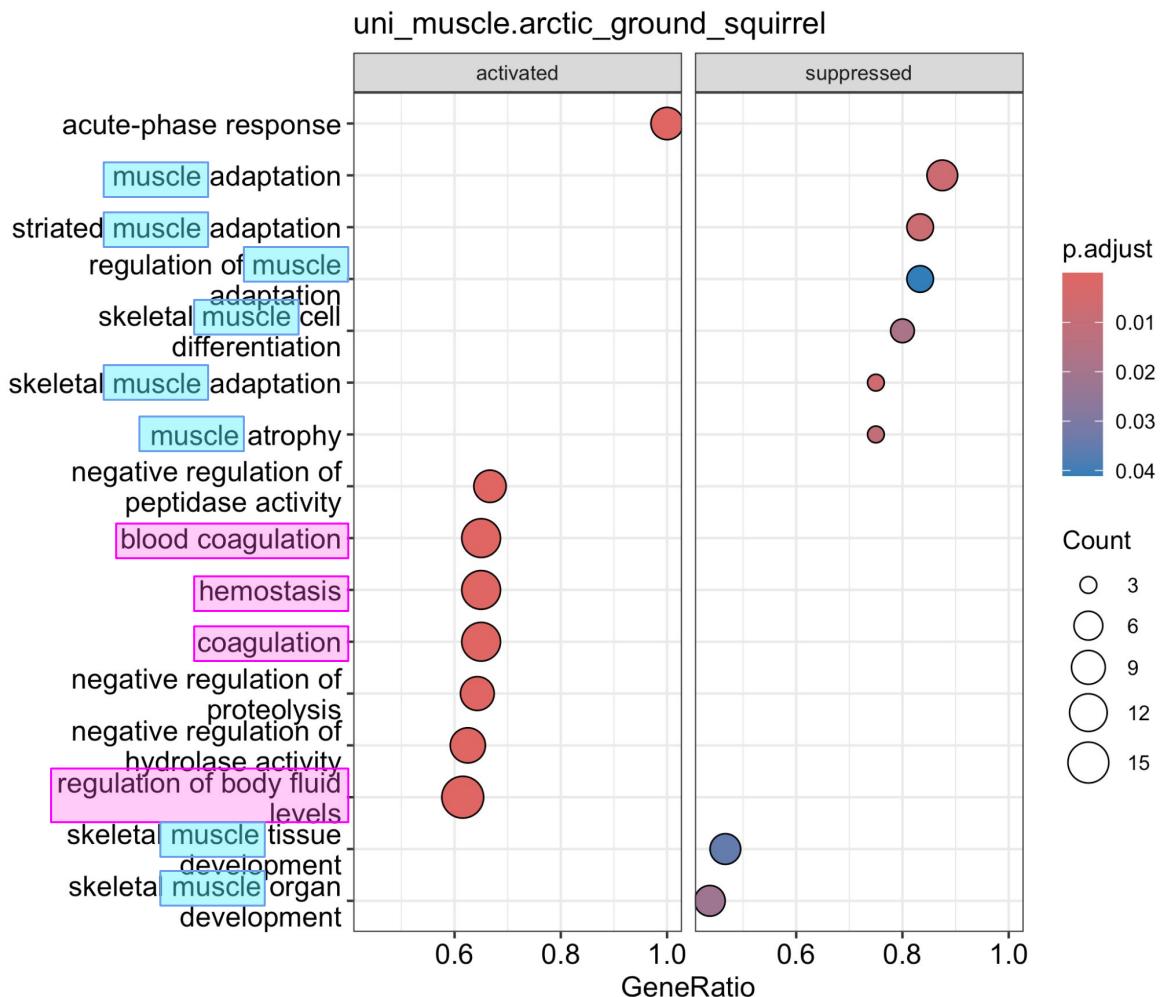
uni_muscle.brown_bear



2. brown bear only



3. arctic ground squirrel **only**



Lots of muscle processes are downregulated, blood and fluid processes upregulated

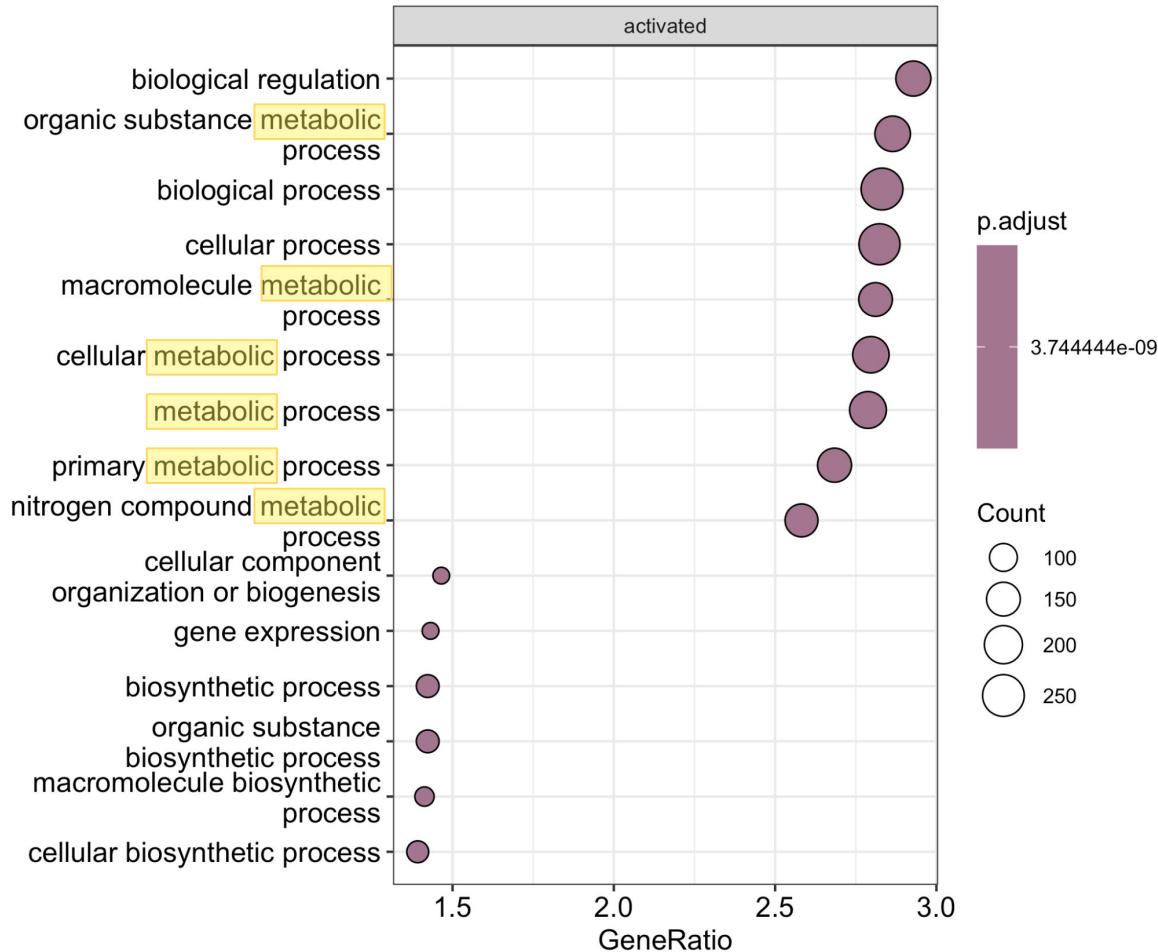
brain



Species: 13-lined ground squirrel, brandts bat

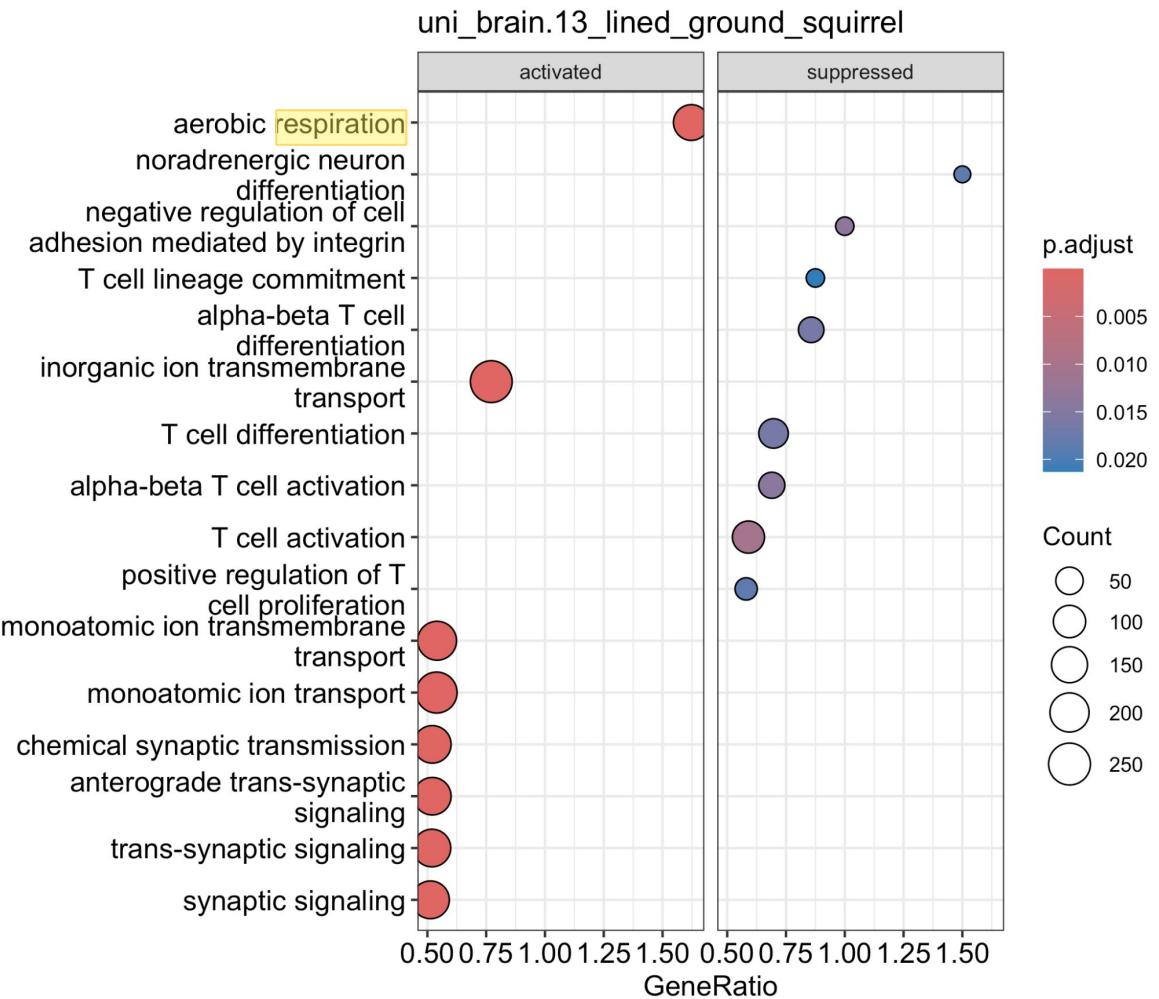
1. 13-lined ground squirrel & brandts bat shared
2. 13-lined ground squirrel only
3. brandts bat only

int_brain.13_lined_ground_squirrel.brands_bat



1. 13-lined ground squirrel & brandts bat shared





2. 13-lined ground squirrel **only**



Lots of T cell processes downregulated, brain processes

3. brandts bat **only**

None enriched

