Tissue Weights for Muscle Tsc1 Knockout Mice

Dave Bridges and Erin Stephenson

2019-02-08

Contents

1 Purpose

To determine tissue weights at sacrifice for fat pads and muscle tissues

2 Experimental Details

At sacrifice, after a 16h fast data were entered and collected in the raw data sheet

These data can be found in **/Users/davebrid/Documents/GitHub/TissueSpecificTscKnockouts/Mouse Data/Muscle Tsc1 Knockout/NCD** in a file named **Sacrifice Data.csv**. This script was most recently updated on **Mon Feb 18 16:53:14 2019**.

3 Analysis

Sex	GonadalWAT__mean.na	InguinalWAT__mean.na	Quadriceps__mean.na	TricepsSurae__mean.na	Heart__mea
Female	0.492	0.316	0.166	0.132	0
Female	0.101	0.076	0.142	0.121	0
Male	0.792	0.574	0.224	0.172	0
Male	0.181	0.116	0.192	0.156	0

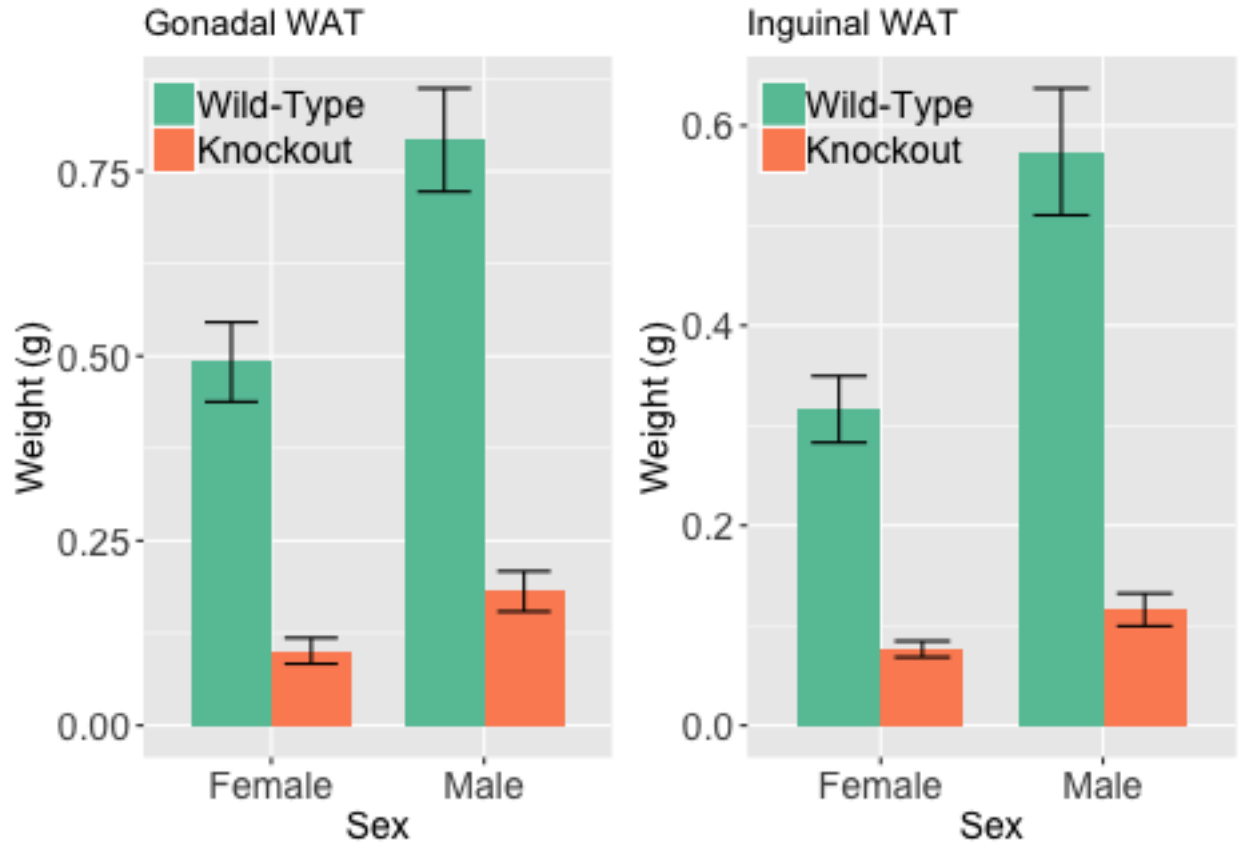| Sex	GonadalWAT_length	InguinalWAT_length	Quadriceps_length	TricepsSurae_length	Heart_length
Female	53	53	53	53	53
Female	8	8	8	8	8
Male	25	25	25	25	25
Male	7	7	7	7	7

Figure 1: Weights of Fat Pads at Sacrifice

3.1 Fat Pad Weights

3.2 Muscle Weights

4 Session Information

```r
sessionInfo()
```

```
## R version 3.5.0 (2018-04-23)
## Platform: x86_64-apple-darwin15.6.0 (64-bit)
## Running under: macOS  10.14.2
##
## Matrix products: default
## BLAS: /Library/Frameworks/R.framework/Versions/3.5/Resources/lib/libRblas.0.dylib
## LAPACK: /Library/Frameworks/R.framework/Versions/3.5/Resources/lib/libRlapack.dylib
##
## locale:
## [1] en_US.UTF-8/en_US.UTF-8/en_US.UTF-8/C/en_US.UTF-8/en_US.UTF-8
##
## attached base packages:
## [1] stats     graphics  grDevices utils     datasets  methods   base
##
```
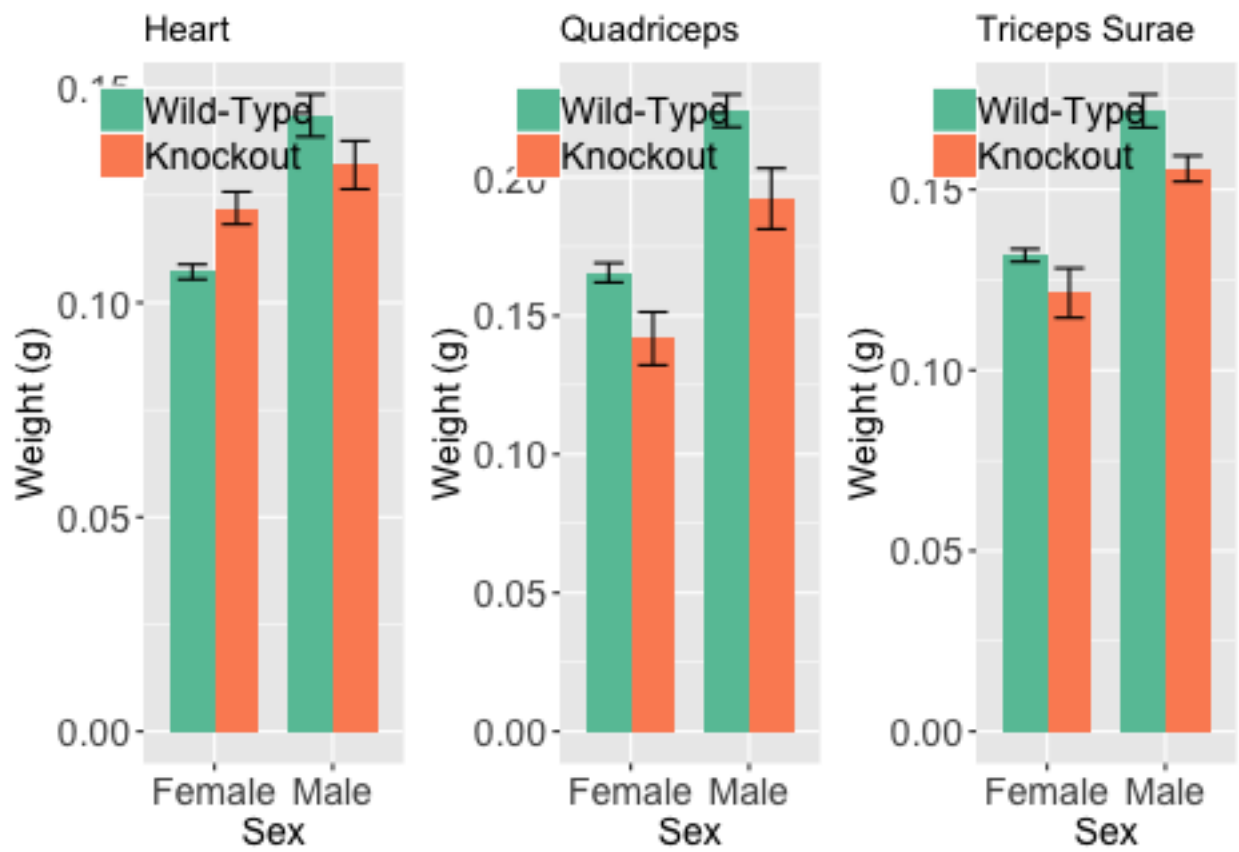
Figure 2: Weights of Muscle Depots at Sacrifice

```
## other attached packages:
## [1] gridExtra_2.3     ggplot2_3.1.0     RColorBrewer_1.1-2
## [4] bindrcpp_0.2.2    readr_1.3.1       dplyr_0.7.8
## [7] tidyr_0.8.2       knitr_1.21
##
## loaded via a namespace (and not attached):
##  [1] Rcpp_1.0.0        pillar_1.3.1      compiler_3.5.0   highr_0.7
##  [5] plyr_1.8.4        bindr_0.1.1       tools_3.5.0      digest_0.6.18
##  [9] evaluate_0.12     tibble_2.0.0      gtable_0.2.0     pkgconfig_2.0.2
## [13] rlang_0.3.1       yaml_2.2.0        xfun_0.4         withr_2.1.2
## [17] stringr_1.3.1     hms_0.4.2         grid_3.5.0       tidyselect_0.2.5
## [21] glue_1.3.0        R6_2.3.0          rmarkdown_1.11   purrr_0.2.5
## [25] magrittr_1.5      scales_1.0.0      htmltools_0.3.6  assertthat_0.2.0
## [29] colorspace_1.3-2 labeling_0.3      stringi_1.2.4    lazyeval_0.2.1
## [33] munsell_0.5.0     crayon_1.3.4
```