

Cardiac_CT HN: both diets

Alex Badea

01/17/23

Contents

Data Summary	1
Plots for all cardiac metrics	2

Data Summary

#We use microCT in mice on a HFD to compare cardiac metric for the following genotypes: APOE2HN, APOE3HN, APOE4HN, APOE-/-

```
## [1] "All data set"
```

```
## # A tibble: 16 x 4
## # Groups:   Diet, Genotype [8]
##   Diet Genotype Sex    count
##   <chr> <chr>    <chr> <int>
## 1 CTRL E2HN    Female     3
## 2 CTRL E2HN    Male      3
## 3 CTRL E3HN    Female     3
## 4 CTRL E3HN    Male      3
## 5 CTRL E4HN    Female     4
## 6 CTRL E4HN    Male      7
## 7 CTRL K0     Female     4
## 8 CTRL K0     Male      2
## 9 HFD  E2HN    Female     3
## 10 HFD  E2HN    Male      3
## 11 HFD  E3HN    Female     7
## 12 HFD  E3HN    Male      7
## 13 HFD  E4HN    Female     5
## 14 HFD  E4HN    Male      4
## 15 HFD  K0     Female     5
## 16 HFD  K0     Male      4
```

```
## [1] "Age <17"
```

```
## # A tibble: 16 x 4
## # Groups:   Diet, Genotype [8]
##   Diet Genotype Sex    count
##   <chr> <chr>   <chr> <int>
## 1 CTRL E2HN    Female     3
## 2 CTRL E2HN    Male      3
## 3 CTRL E3HN    Female     3
## 4 CTRL E3HN    Male      3
## 5 CTRL E4HN    Female     2
## 6 CTRL E4HN    Male      6
## 7 CTRL K0      Female     4
## 8 CTRL K0      Male      1
## 9 HFD  E2HN    Female     1
## 10 HFD E2HN    Male      1
## 11 HFD E3HN    Female     7
## 12 HFD E3HN    Male      7
## 13 HFD E4HN    Female     5
## 14 HFD E4HN    Male      4
## 15 HFD K0      Female     5
## 16 HFD K0      Male      4
```

```
## # A tibble: 16 x 4
## # Groups:   Diet, Genotype [8]
##   Diet Genotype Sex    count
##   <chr> <chr>   <chr> <int>
## 1 CTRL E2HN    Female     3
## 2 CTRL E2HN    Male      3
## 3 CTRL E3HN    Female     3
## 4 CTRL E3HN    Male      3
## 5 CTRL E4HN    Female     4
## 6 CTRL E4HN    Male      7
## 7 CTRL K0      Female     4
## 8 CTRL K0      Male      2
## 9 HFD  E2HN    Female     3
## 10 HFD E2HN    Male      3
## 11 HFD E3HN    Female     7
## 12 HFD E3HN    Male      7
## 13 HFD E4HN    Female     5
## 14 HFD E4HN    Male      4
## 15 HFD K0      Female     5
## 16 HFD K0      Male      4
```

Plots for all cardiac metrics

```
## 'summarise()' has grouped output by 'Diet', 'Genotype'. You can override using
## the '.groups' argument.
## Bin width defaults to 1/30 of the range of the data. Pick better value with
## 'binwidth'.
## Bin width defaults to 1/30 of the range of the data. Pick better value with
## 'binwidth'.
## Bin width defaults to 1/30 of the range of the data. Pick better value with
## 'binwidth'.
```

```
## Bin width defaults to 1/30 of the range of the data. Pick better value with
## 'binwidth'.
## Bin width defaults to 1/30 of the range of the data. Pick better value with
## 'binwidth'.
## Bin width defaults to 1/30 of the range of the data. Pick better value with
## 'binwidth'.
## Bin width defaults to 1/30 of the range of the data. Pick better value with
## 'binwidth'.
## Bin width defaults to 1/30 of the range of the data. Pick better value with
## 'binwidth'.
```