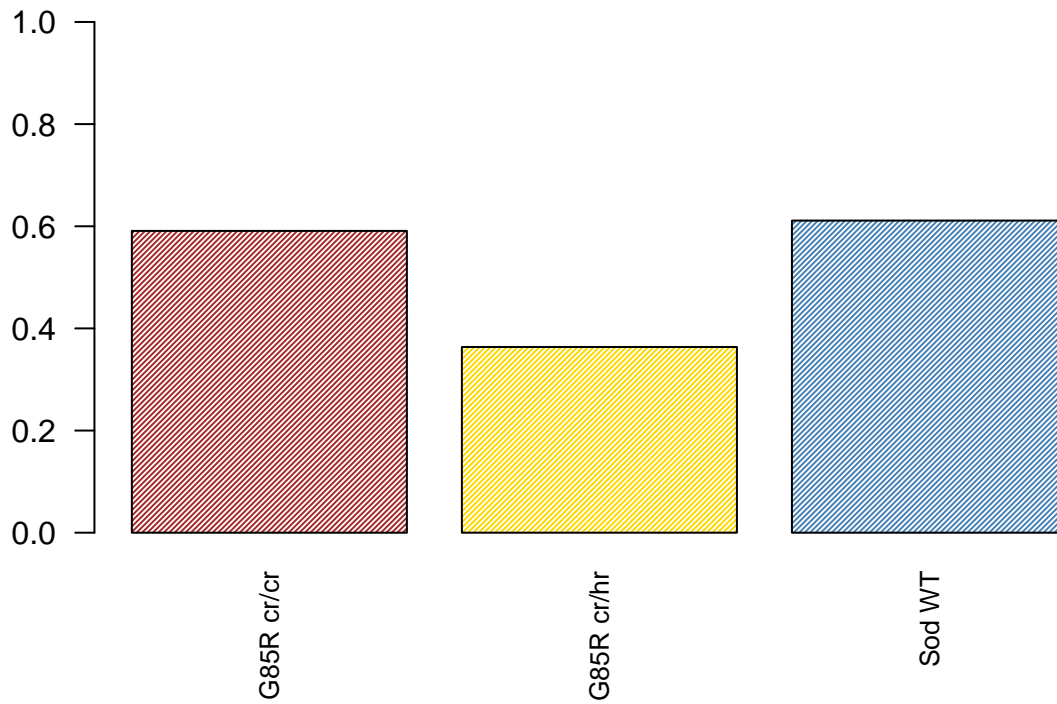# 20240514_AxonalMorphologyResults

John Santiago
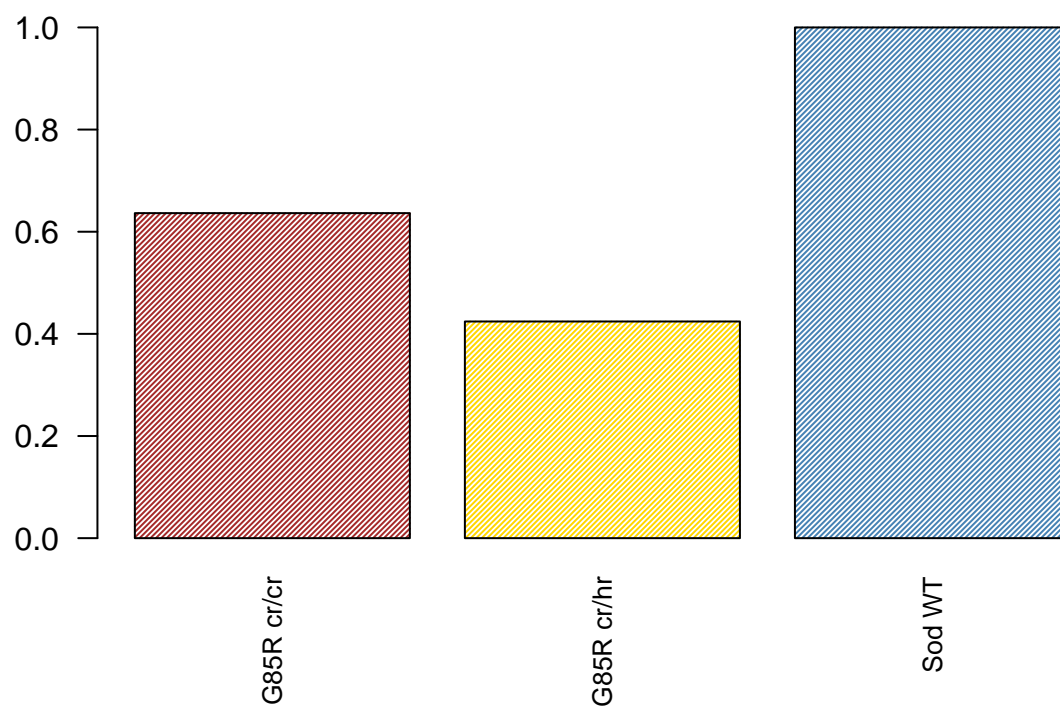
2024-05-14

Is.there.mitochondria.present.in.the.whole.of.the.axonal.bundle.
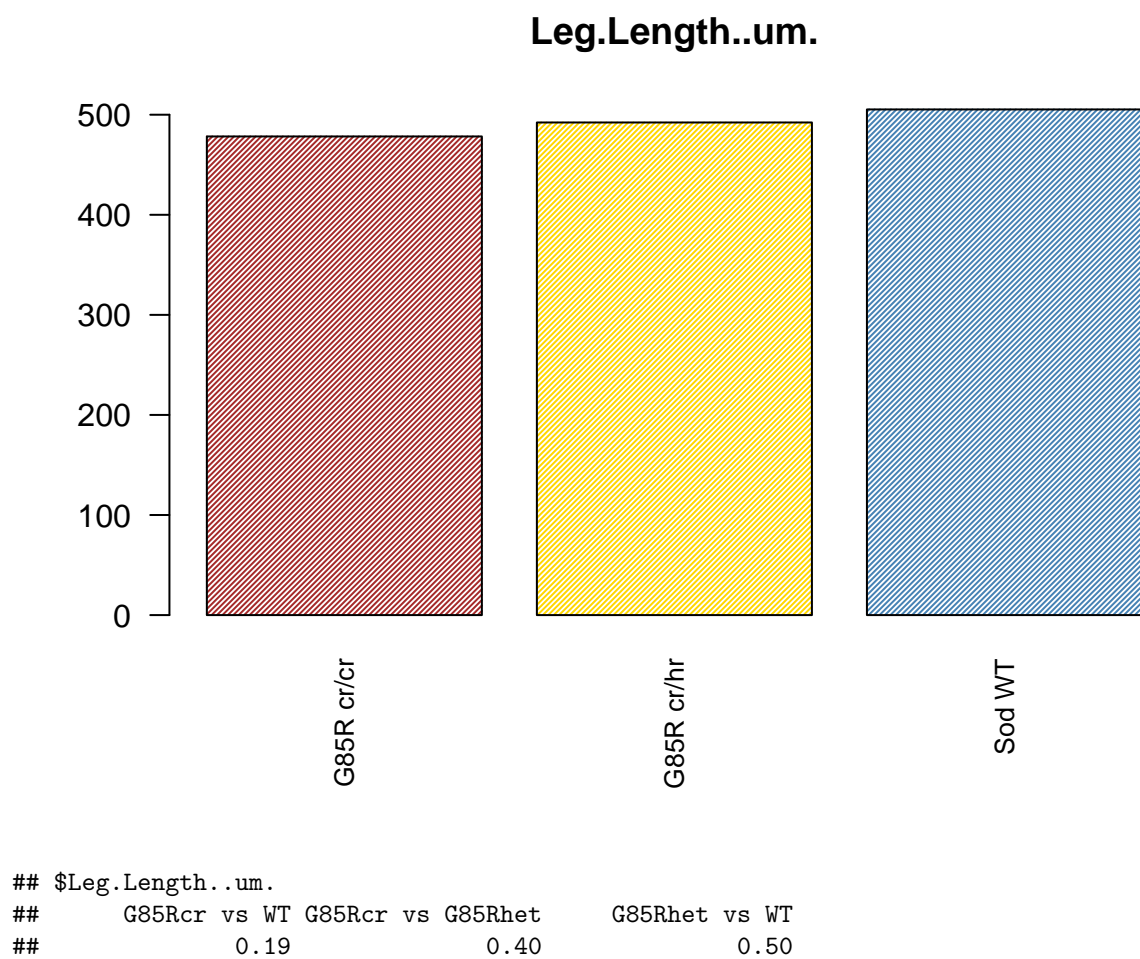


```
## $Is.there.mitochondria.present.in.the.whole.of.the.axonal.bundle.
##     G85Rcr vs WT G85Rcr vs G85Rhet    G85Rhet vs WT
##            1.00               0.17             0.16
```
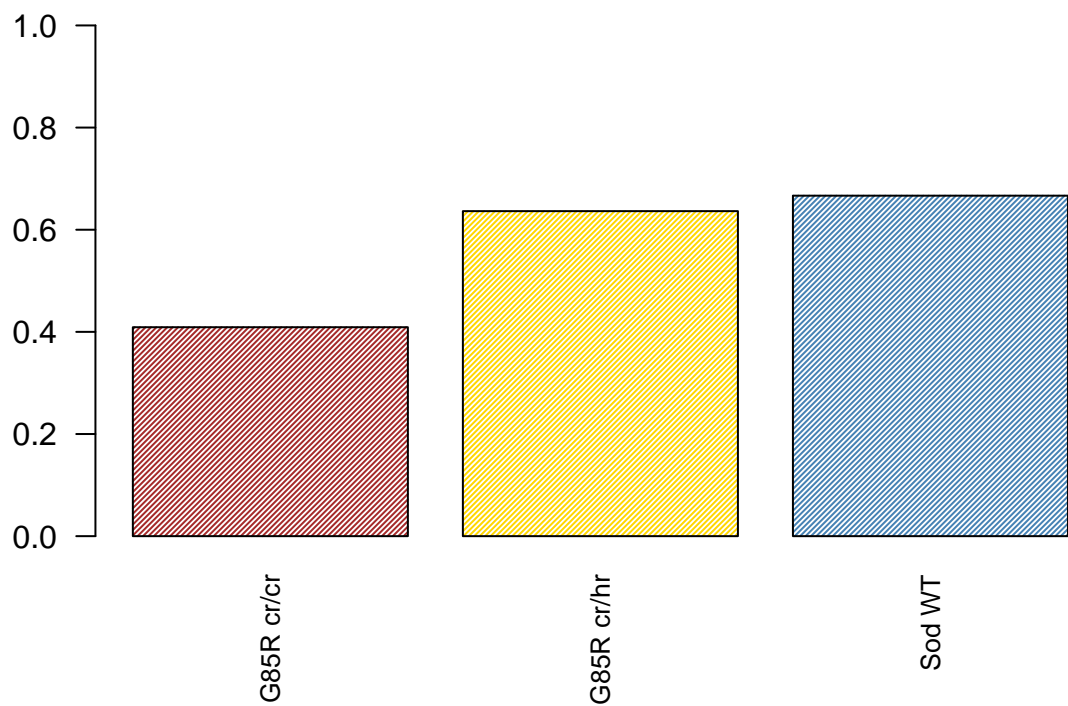
Do.all.the.branches.have.mitochondria.


```
## $Do.all.the.branches.have.mitochondria.
##     G85Rcr vs WT G85Rcr vs G85Rhet   G85Rhet vs WT
##         0.01400          0.21000         0.00017
```

Leg.Length..um.


```
## $Leg.Length..um.
##     G85Rcr vs WT G85Rcr vs G85Rhet   G85Rhet vs WT
##             0.19               0.40            0.50
```
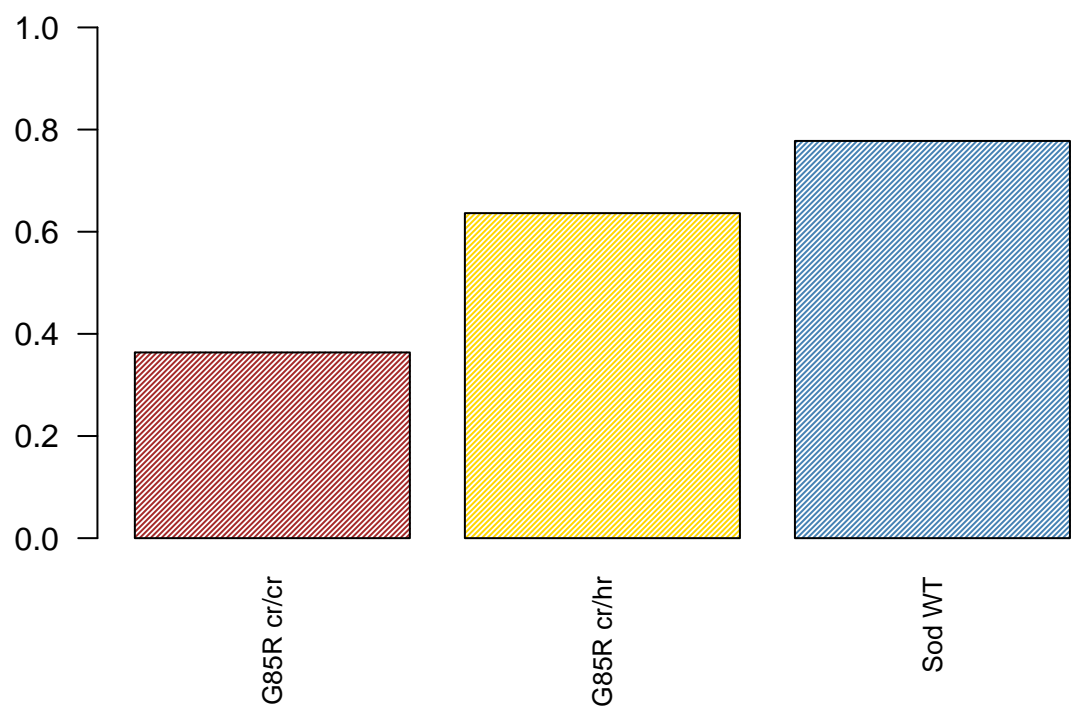
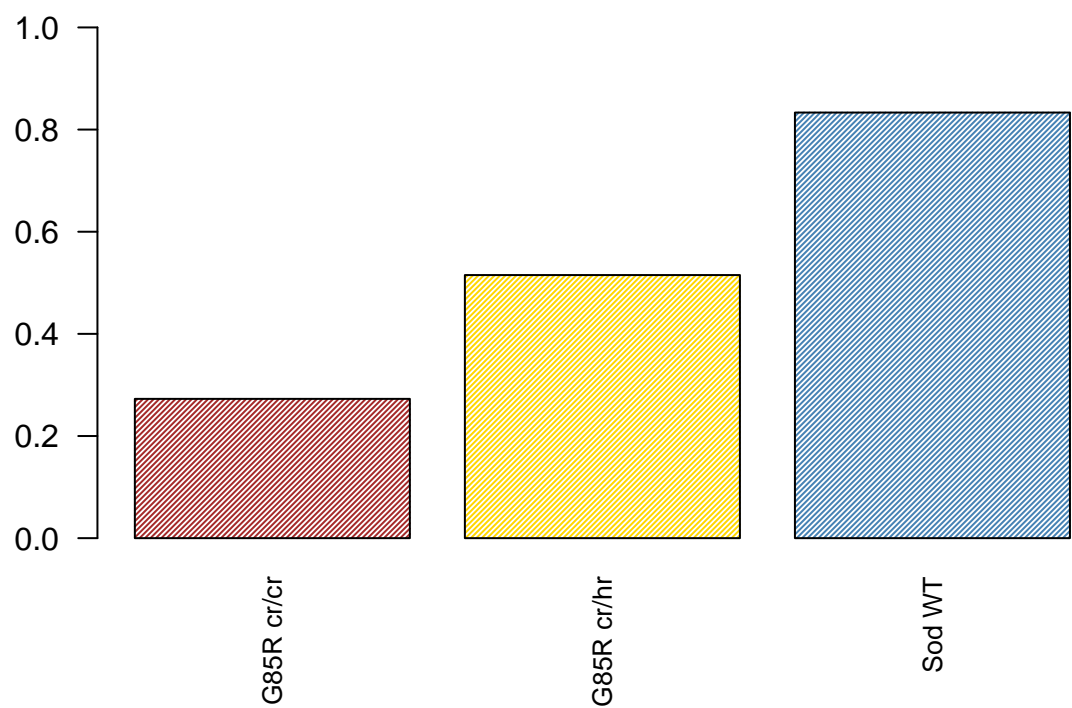# Is.the.leg.short.


```
## $Is.the.leg.short.
##    G85Rcr vs WT G85Rcr vs G85Rhet   G85Rhet vs WT
##            0.19               0.17            1.00
```
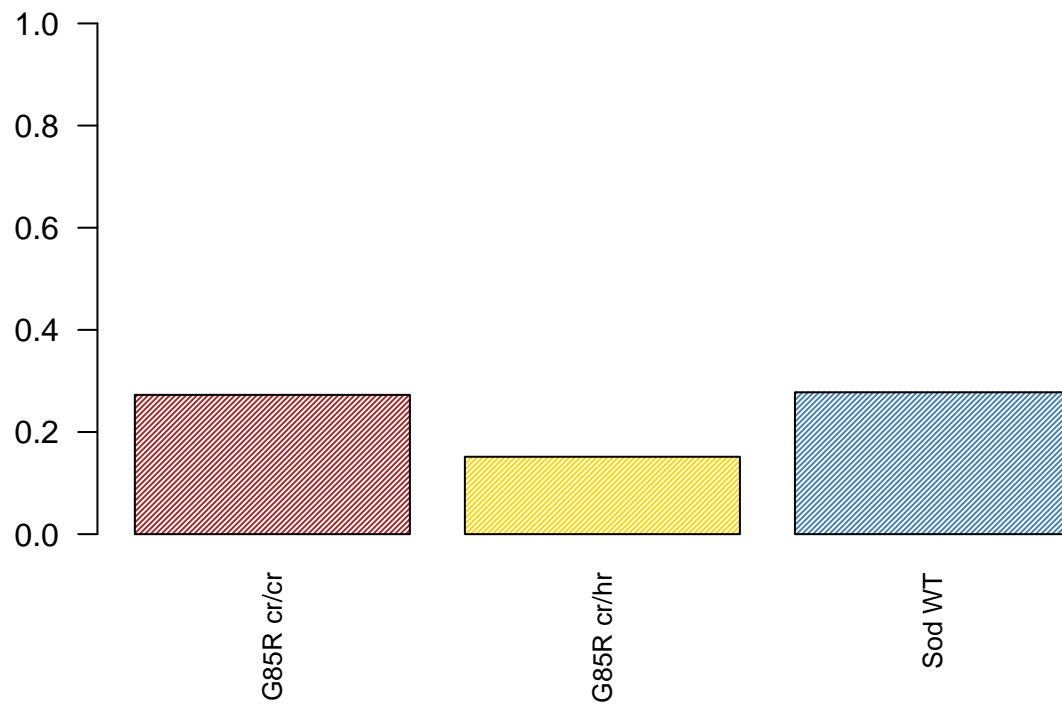
Is.there.scrunching.curving.of.the.leg.


```
## $Is.there.scrunching.curving.of.the.leg.
##      G85Rcr vs WT G85Rcr vs G85Rhet    G85Rhet vs WT
##             0.021              0.087            0.470
```
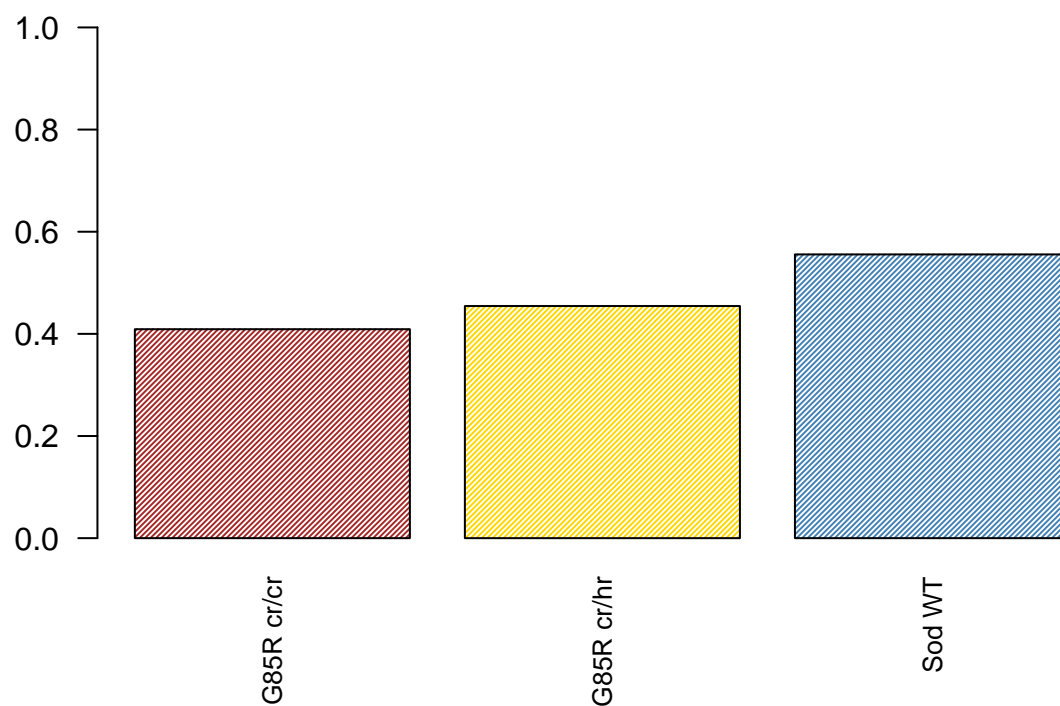
Is.the.axonal.bundle.straight.


```
## $Is.the.axonal.bundle.straight.
##     G85Rcr vs WT G85Rcr vs G85Rhet    G85Rhet vs WT
##            0.0013             0.1300           0.0520
```

)oes.the.axonal.bundle.split.or.thin.at.any.time.or.are.there.chunks.mis


```
## $Does.the.axonal.bundle.split.or.thin.at.any.time.or.are.there.chunks.missing.
##     G85Rcr vs WT G85Rcr vs G85Rhet     G85Rhet vs WT
##             1.00              0.45               0.47
```
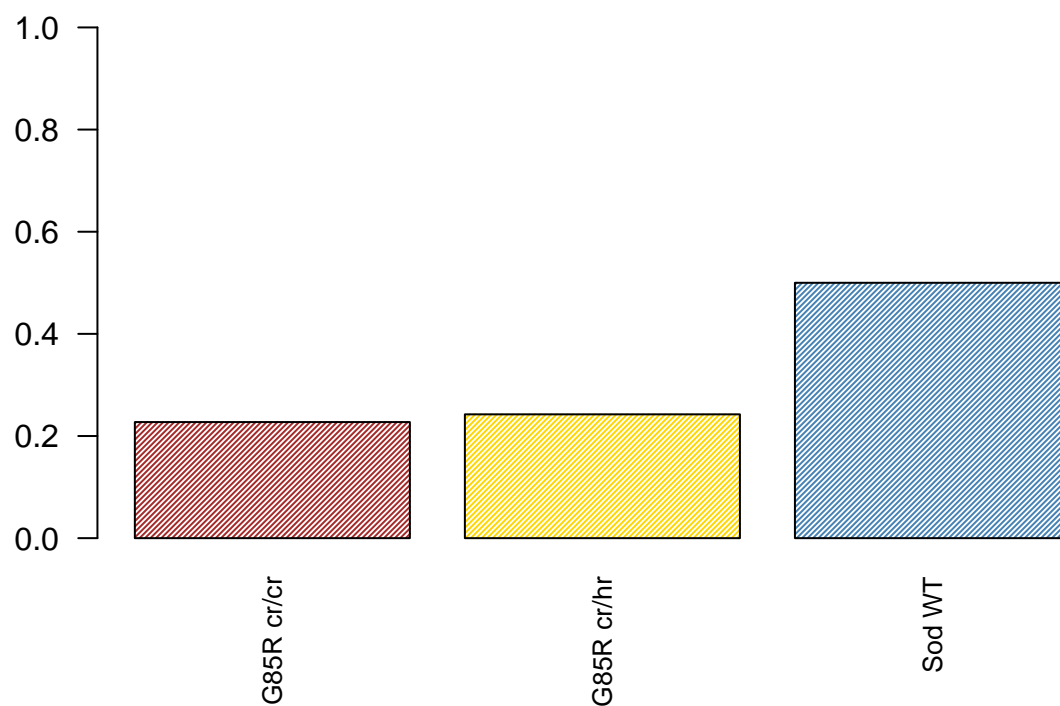
Is.the.distal.end.of.the.axonal.bundle.organized.


```
## $Is.the.distal.end.of.the.axonal.bundle.organized.
##     G85Rcr vs WT G85Rcr vs G85Rhet    G85Rhet vs WT
##             0.55               0.96             0.69
```

Does.the.branching.look.organized.
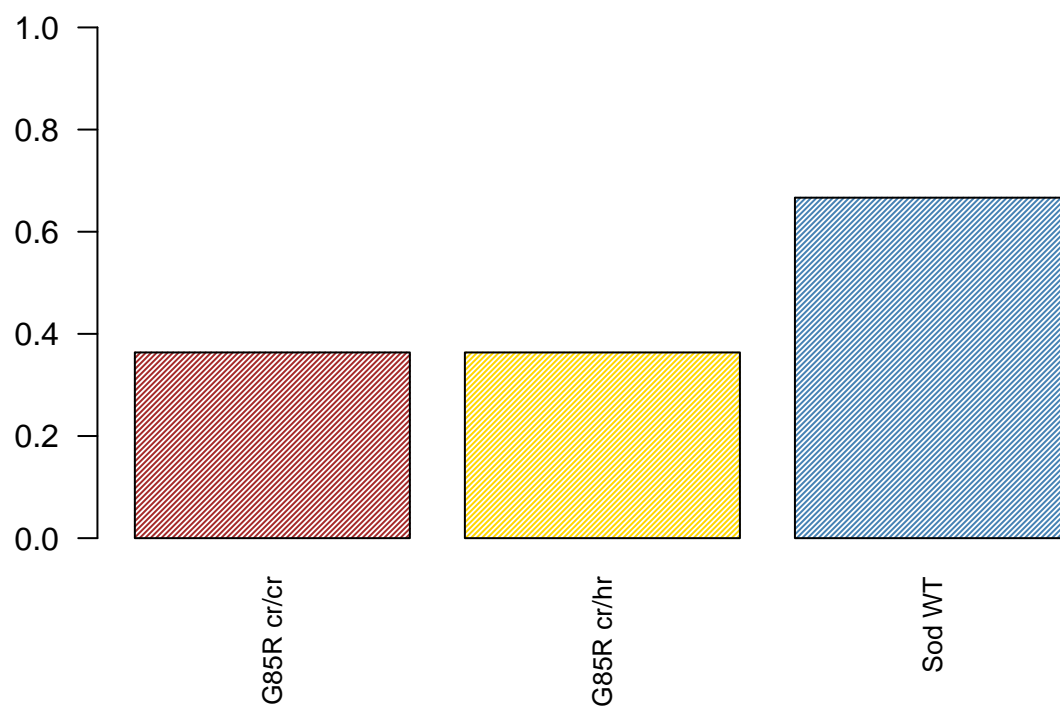


```
## $Does.the.branching.look.organized.
##      G85Rcr vs WT G85Rcr vs G85Rhet    G85Rhet vs WT
##             0.14              1.00             0.12
```
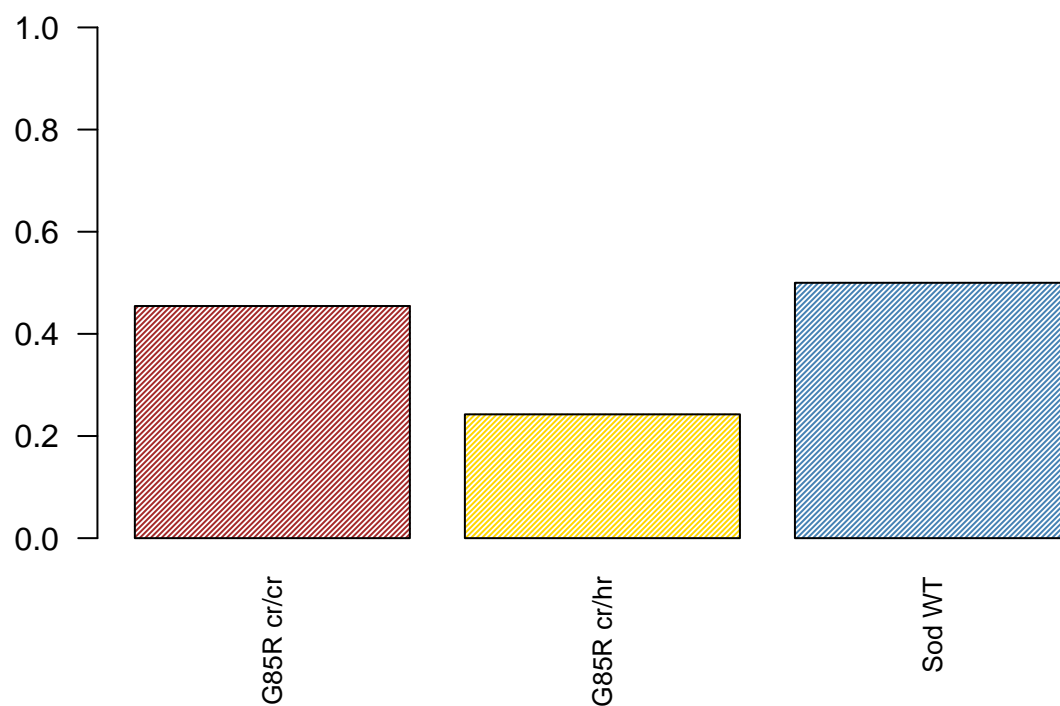
Is.the.branching.straight...following.the.pattern.of.the.axonal.bundle
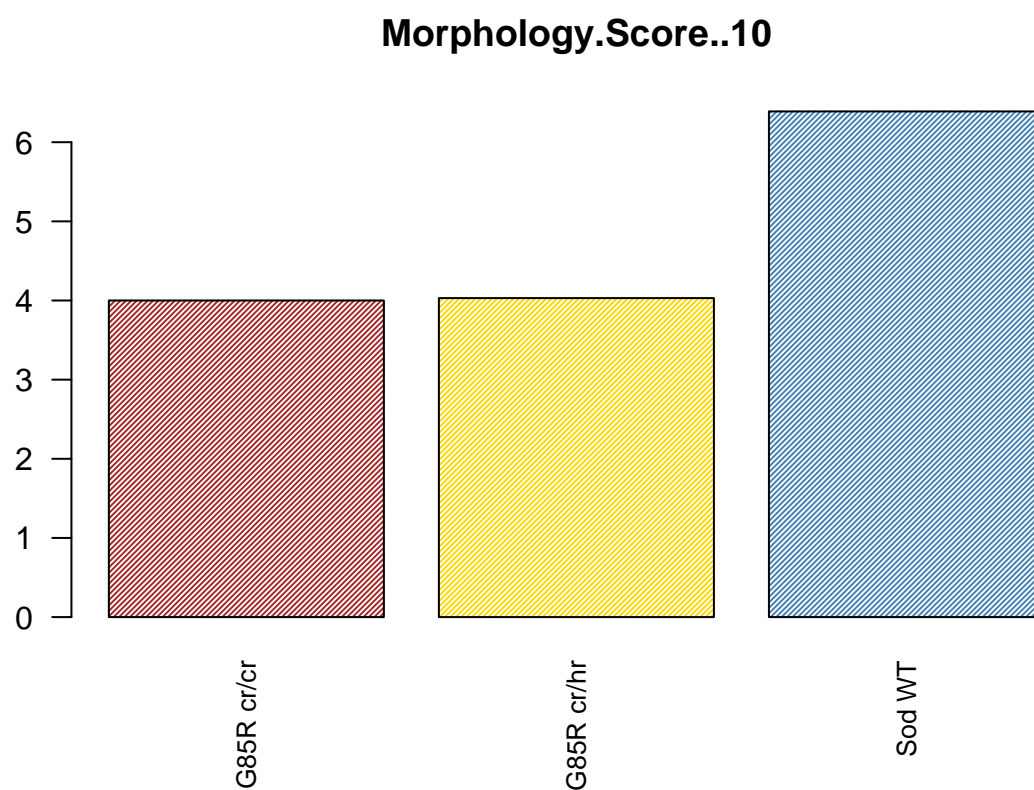


```
## $Is.the.branching.straight...following.the.pattern.of.the.axonal.bundle.
##      G85Rcr vs WT G85Rcr vs G85Rhet    G85Rhet vs WT
##             0.110               1.000           0.075
```

Are.there.branches.in.all.aspects.of.the.femur.


```
## $Are.there.branches.in.all.aspects.of.the.femur.
##      G85Rcr vs WT G85Rcr vs G85Rhet    G85Rhet vs WT
##              1.00               0.18             0.12
```

Morphology.Score..10


```
## $Morphology.Score..10
##     G85Rcr vs WT G85Rcr vs G85Rhet    G85Rhet vs WT
##         7.7e-06          9.4e-01          5.2e-06
```