Red Abalone Reference Transcriptome - Post-Diginorm Stats Lane 4 & Lane 5

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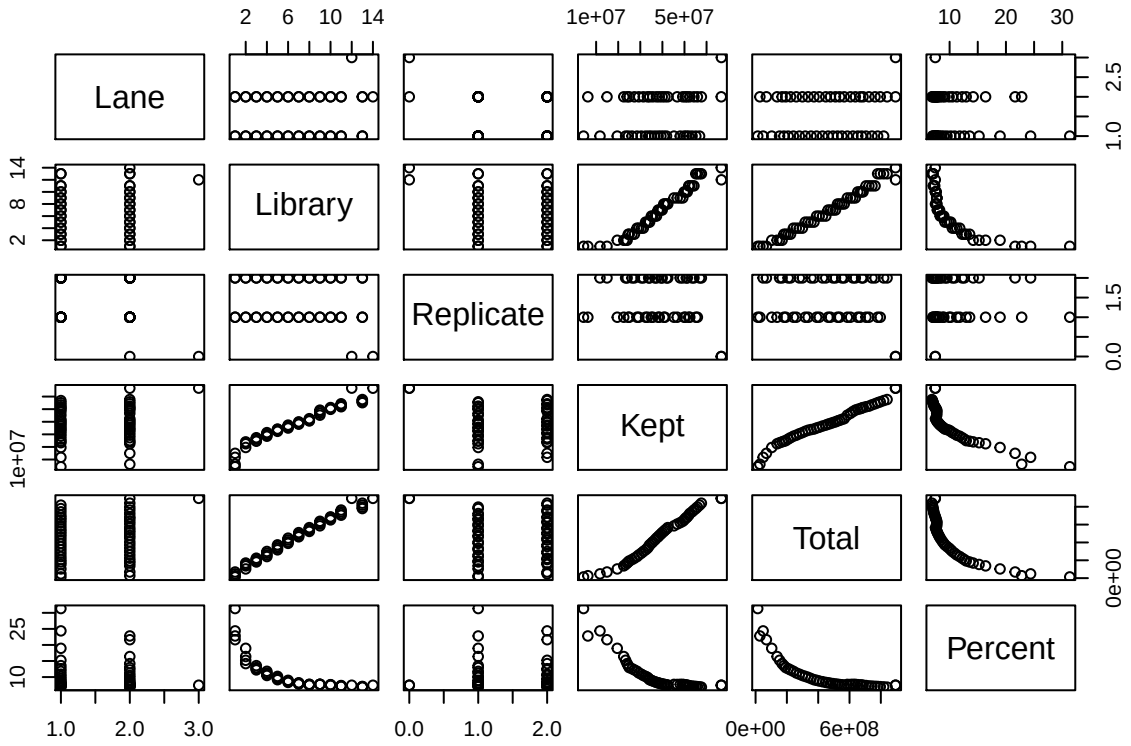
This is post-diginorm stats for lane 4 and lane 5 female tissues only. Here are the summary statics.

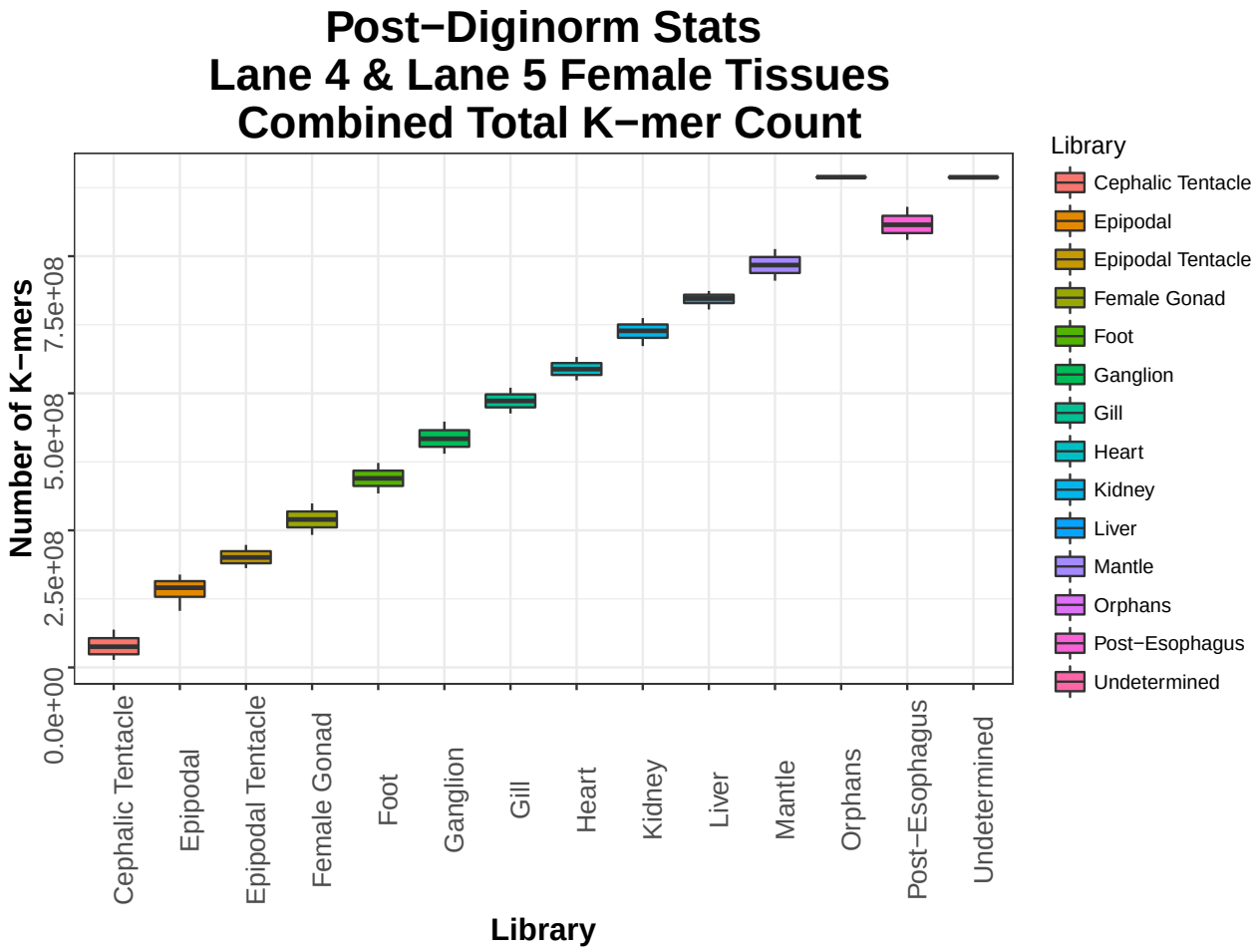
```
library(wesanderson)
library(ggplot2)
library(stats)
library(devtools)
library(jsonlite)
abalone<-read.csv("post-diginormlane4lane5female.csv")
summary(abalone)
```

```
##                        Lane                 Library     Replicate
##  Lane 4 - Female Tissues:24   Cephalic Tentacle: 4   Min.   :0.00
##  Lane 5- Female Tissues :25   Epipodal         : 4   1st Qu.:1.00
##  Orphans                : 1   Epipodal Tentacle: 4   Median :1.00
##                               Female Gonad     : 4   Mean   :1.44
##                               Foot             : 4   3rd Qu.:2.00
##                               Ganglion         : 4   Max.   :2.00
##                               (Other)          :26
##       Kept              Total              Percent
##  Min.   : 4291354   Min.   : 13696626   Min.   : 6.864
##  1st Qu.:28717910   1st Qu.:246278790   1st Qu.: 7.514
##  Median :38331852   Median :470568722   Median : 8.147
##  Mean   :38243390   Mean   :457547601   Mean   :10.590
##  3rd Qu.:50238414   3rd Qu.:664455241   3rd Qu.:11.668
##  Max.   :66697147   Max.   :894163071   Max.   :31.331
##
```

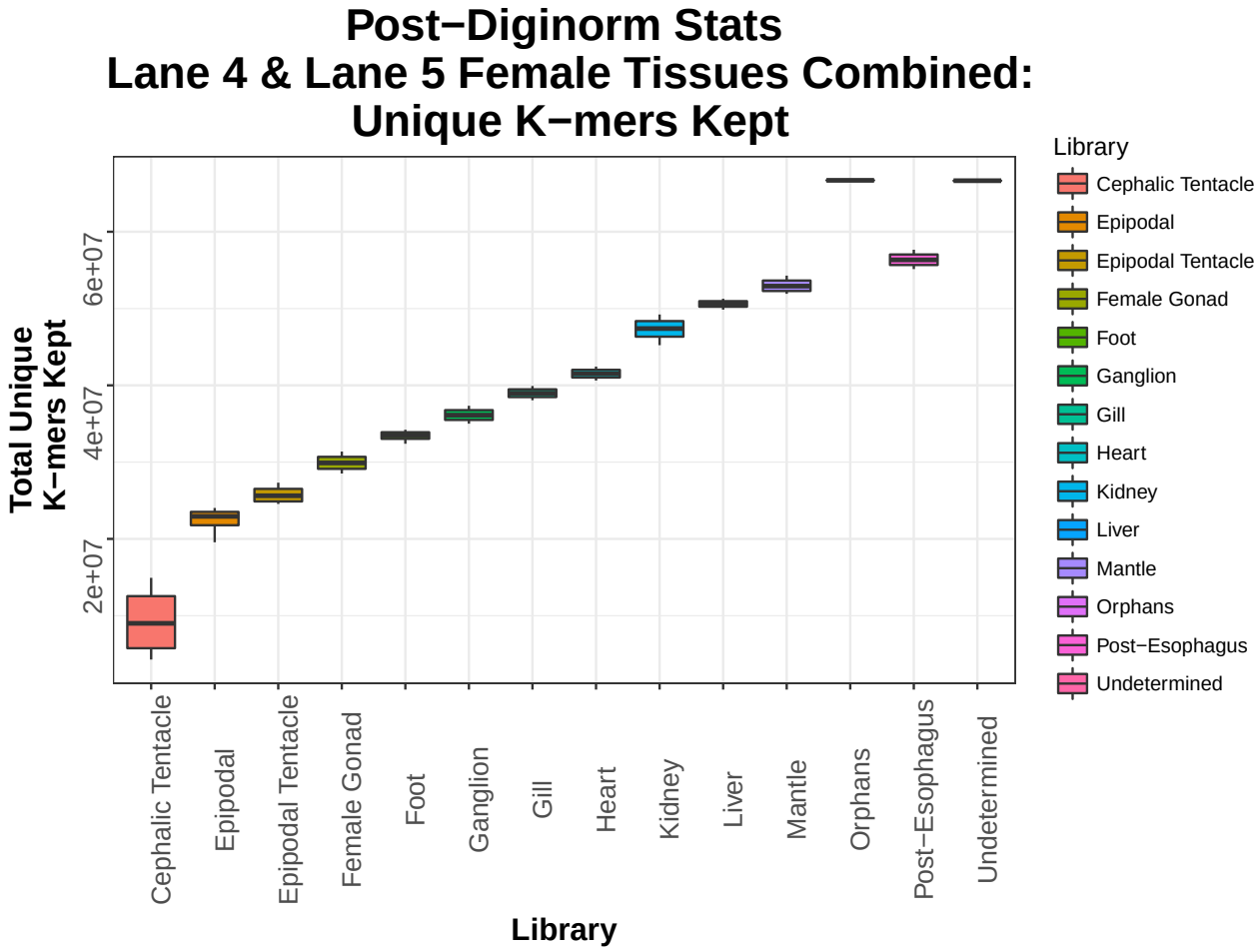
```
plot(abalone)
```



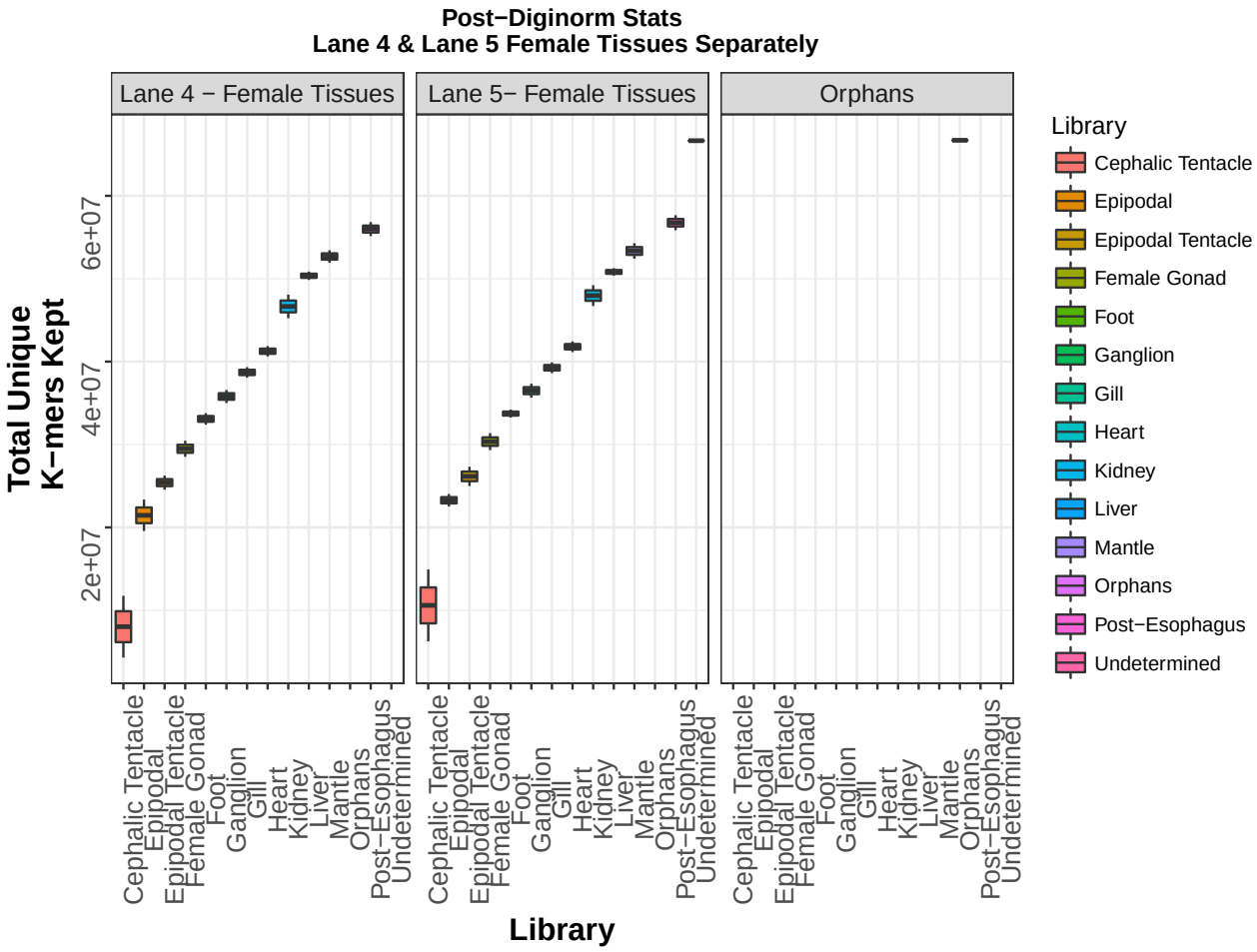

```
p=ggplot(abalone,aes(Library,Total,fill=Library))+geom_boxplot()
p+scale_y_continuous(name="Number of K-mers")+theme_bw()+ggtitle("Post-Diginorm Stats\n Lane 4 & Lane 5
```



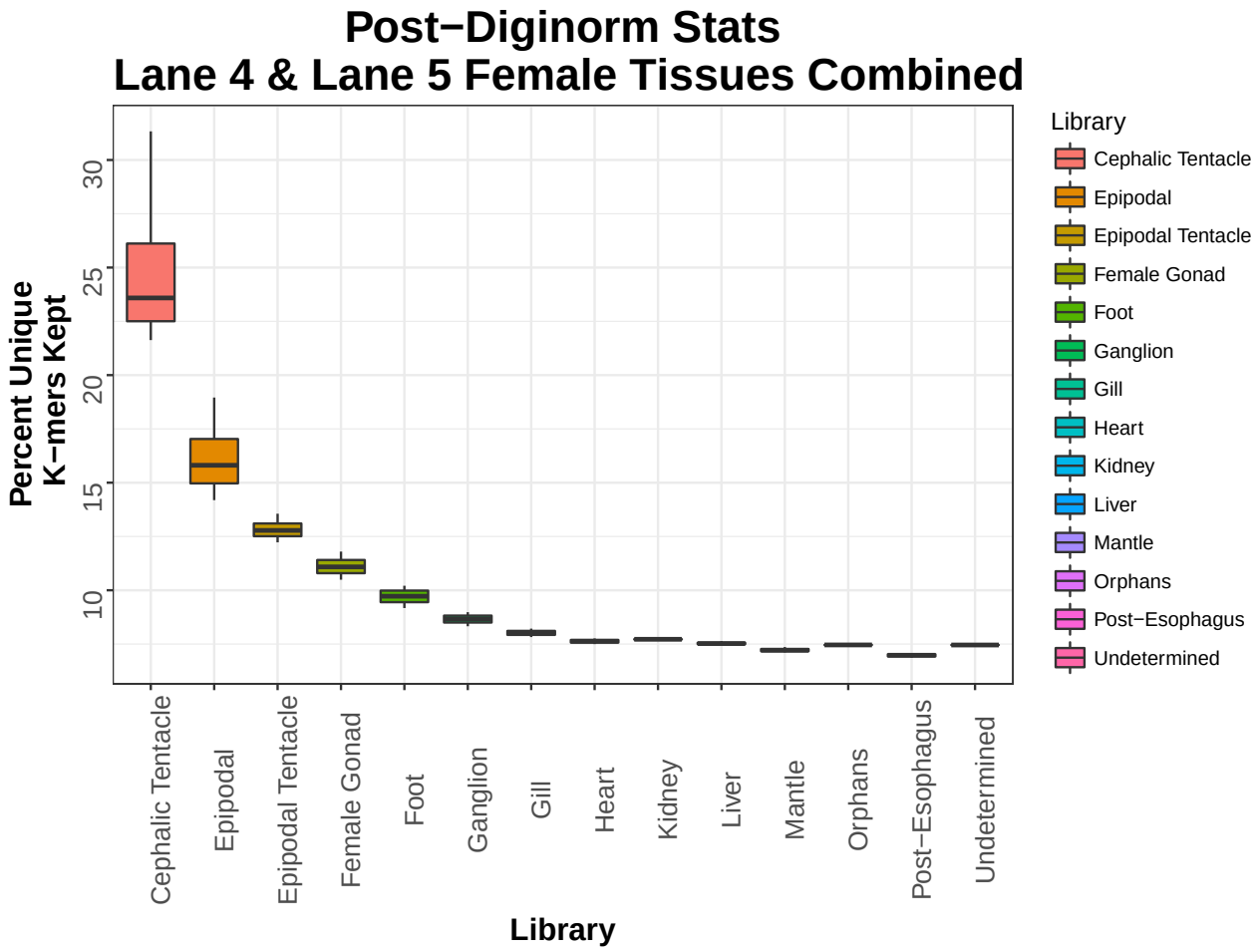

```
p=ggplot(abalone,aes(Library,Kept,fill=Library))+geom_boxplot()
p+scale_y_continuous(name="Total Unique\n K-mers Kept")+theme_bw()+ggtitle("Post-Diginorm Stats\n Lane
```



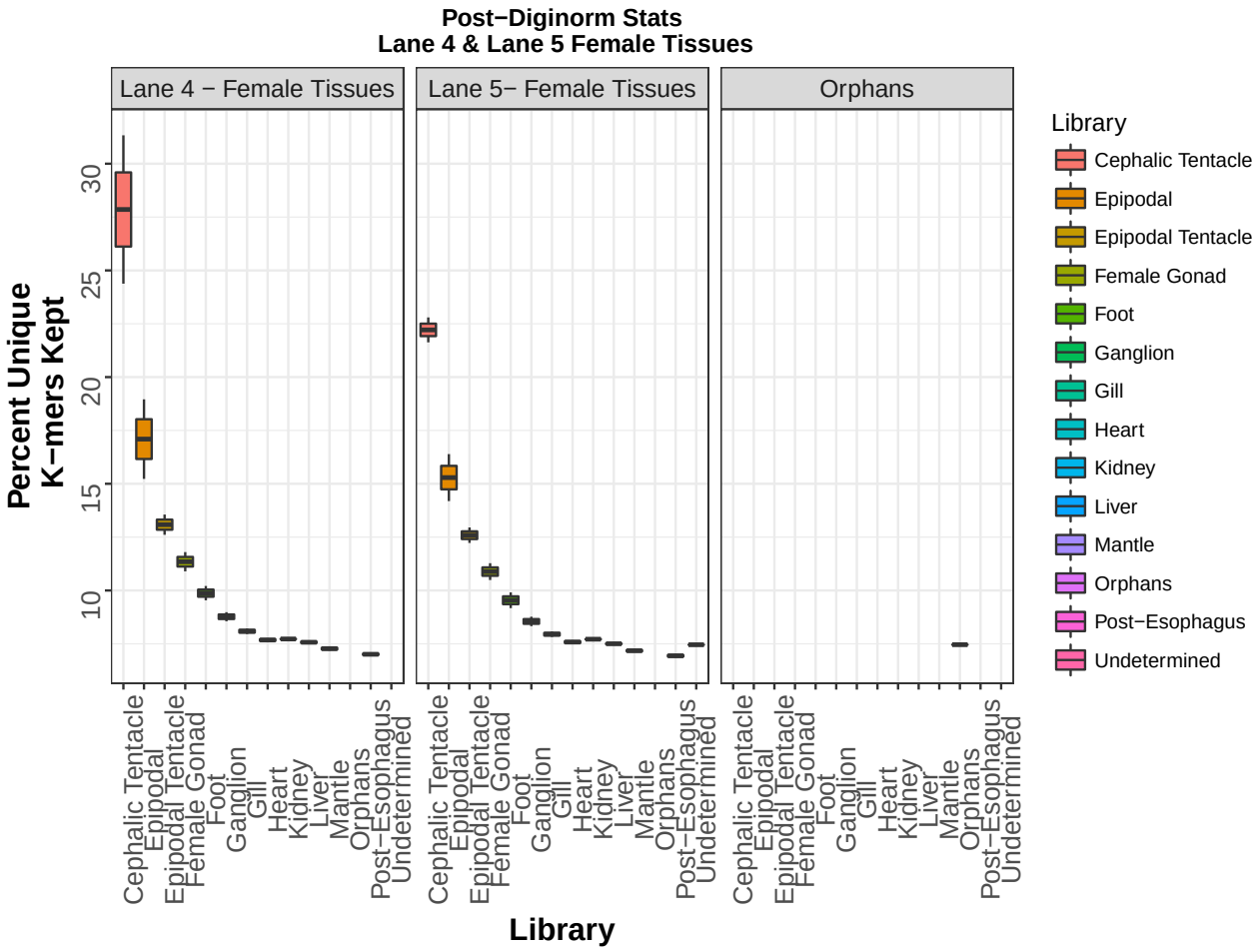

```
p=ggplot(abalone,aes(Library,Kept,fill=Library))+geom_boxplot()
p+scale_y_continuous(name="Total Unique\n K-mers Kept")+theme_bw()+ggtitle("Post-Diginorm Stats\n Lane 4
```




```
p=ggplot(abalone,aes(Library,Percent,fill=Library))+geom_boxplot()
p+scale_y_continuous(name="Percent Unique\n K-mers Kept")+theme_bw()+ggtitle("Post-Diginorm Stats\n Lan
```




```
p=ggplot(abalone,aes(Library,Percent,fill=Library))+geom_boxplot()
p+scale_y_continuous(name="Percent Unique\n K-mers Kept")+theme_bw()+ggtitle("Post-Diginorm Stats\n Lan
```


Post−Diginorm Stats
Lane 4 & Lane 5 Female Tissues
Lane 4 − Female Tissues
Lane 5− Female Tissues
Orphans
Percent Unique
K−mers Kept
10
15
20
25
30
Cephalic Tentacle
Epipodal
Epipodal Tentacle
Female Gonad
Foot
Ganglion
Gill
Heart
Kidney
Liver
Mantle
Orphans
Post−Esophagus
Undetermined
Library
Library
Cephalic Tentacle
Epipodal
Epipodal Tentacle
Female Gonad
Foot
Ganglion
Gill
Heart
Kidney
Liver
Mantle
Orphans
Post−Esophagus
Undetermined