Left APOE2 Disaggregated by Sex

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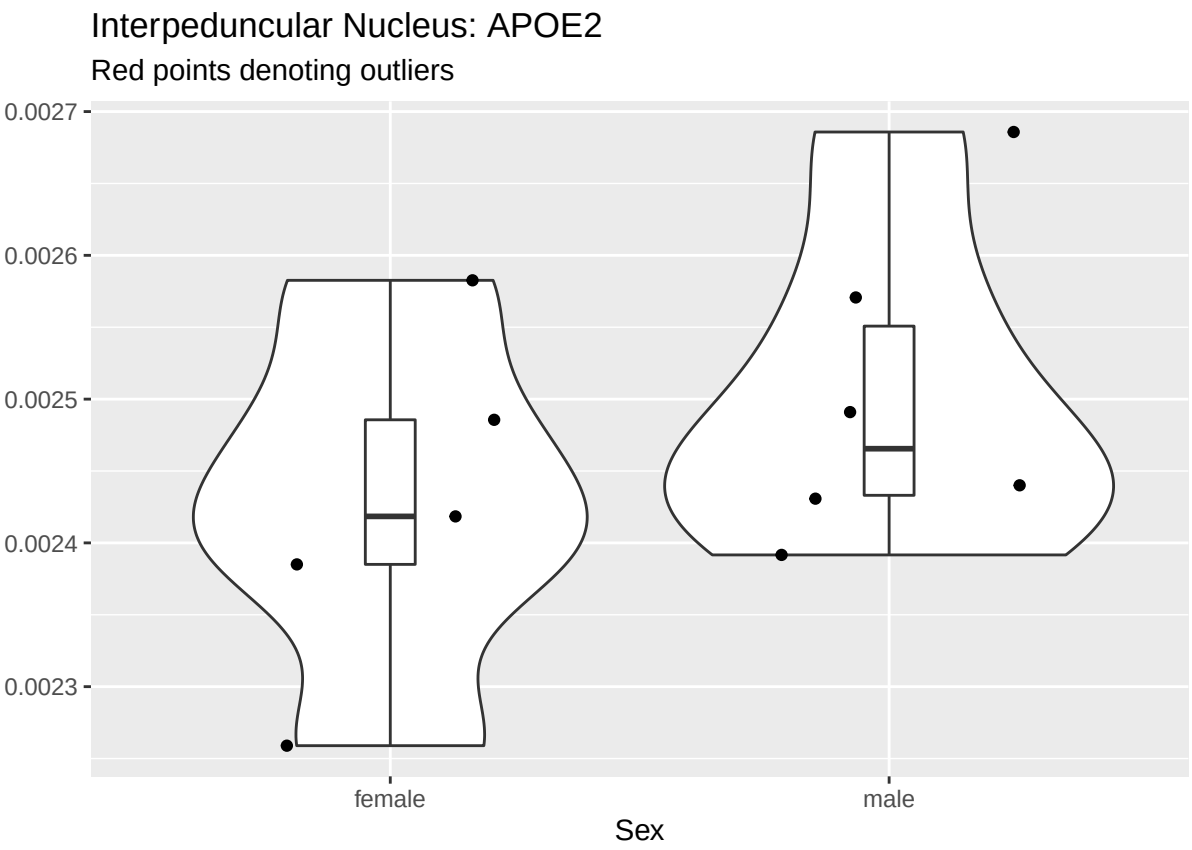
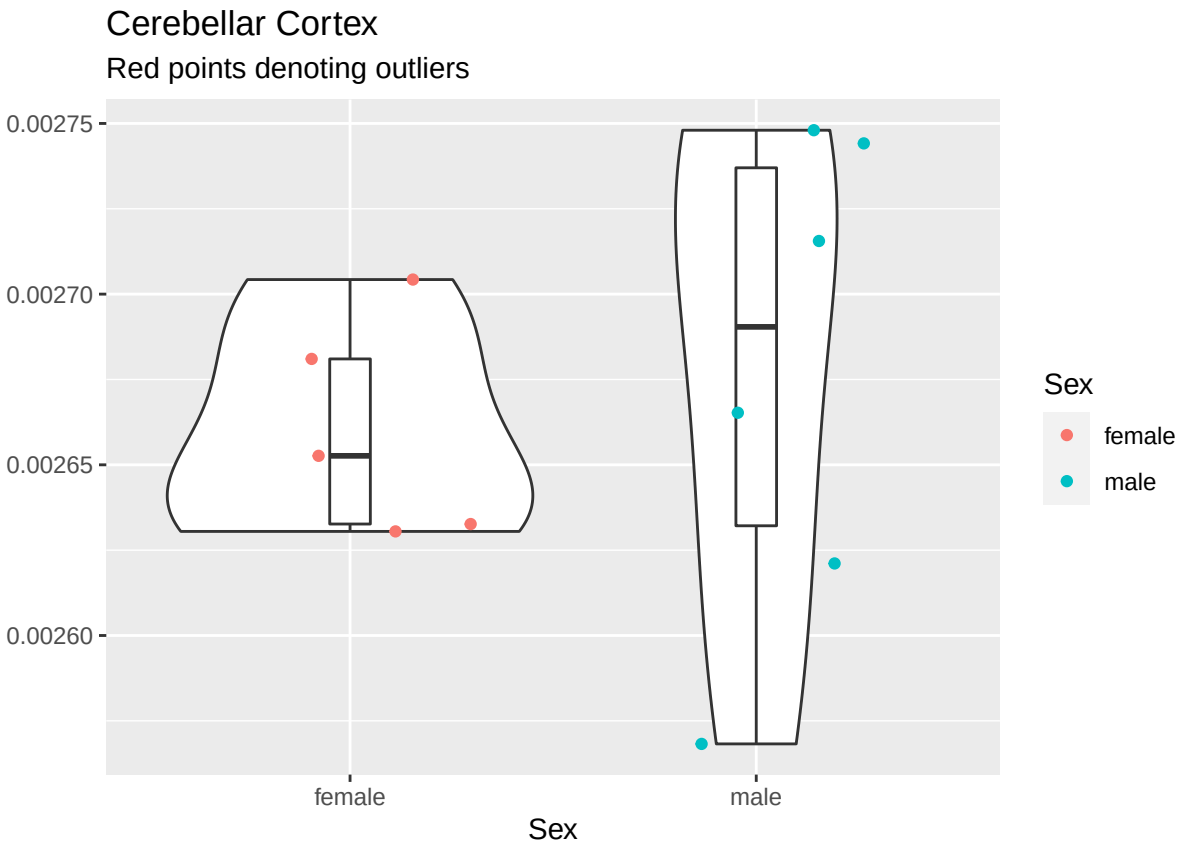
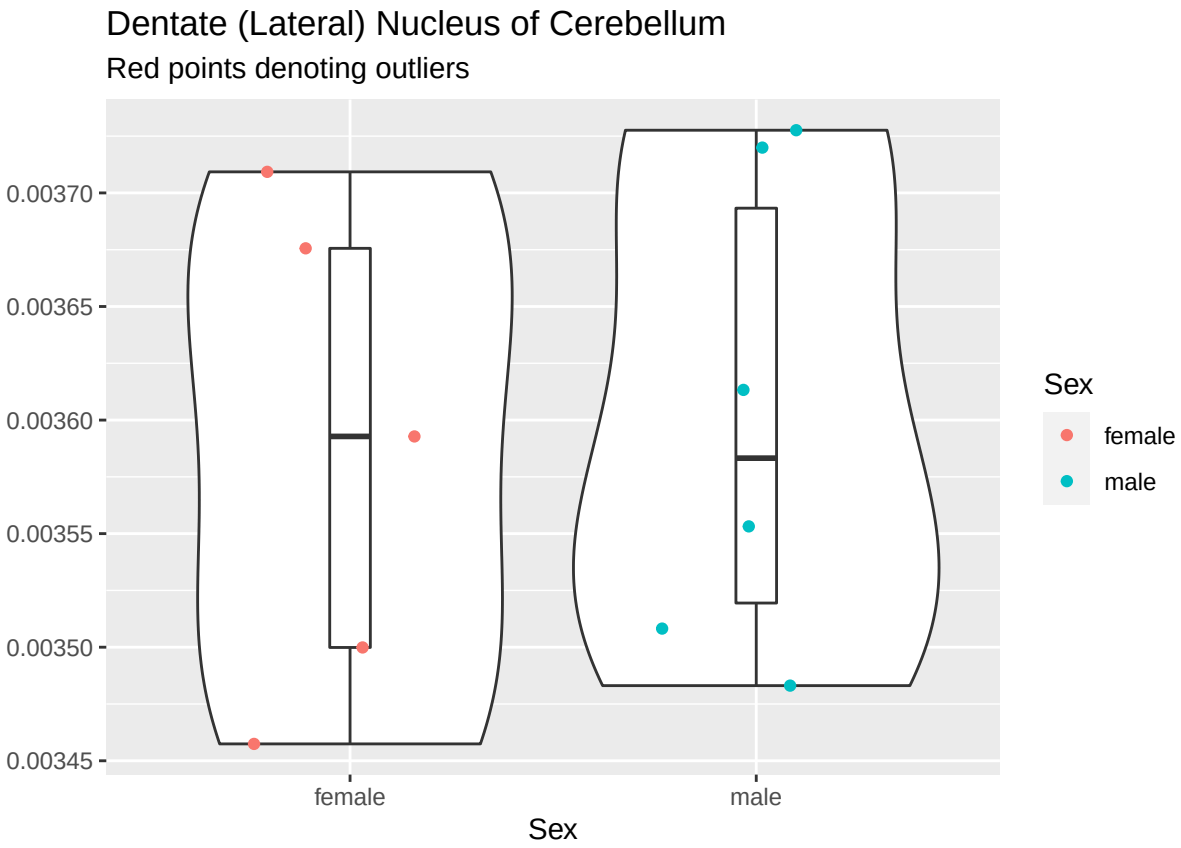
3/21/2021



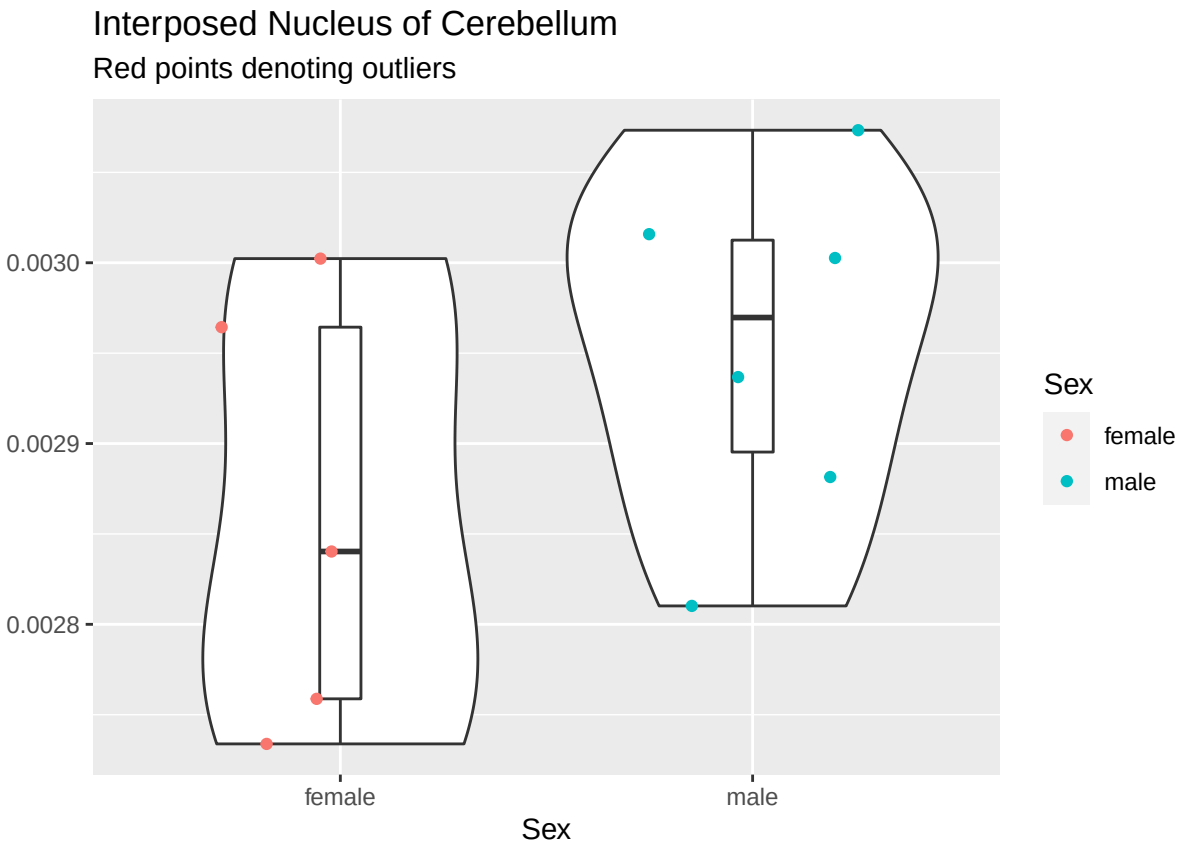

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.555e-08 1.555e-08   1.192  0.303
## Residuals    9 1.174e-07 1.305e-08
```



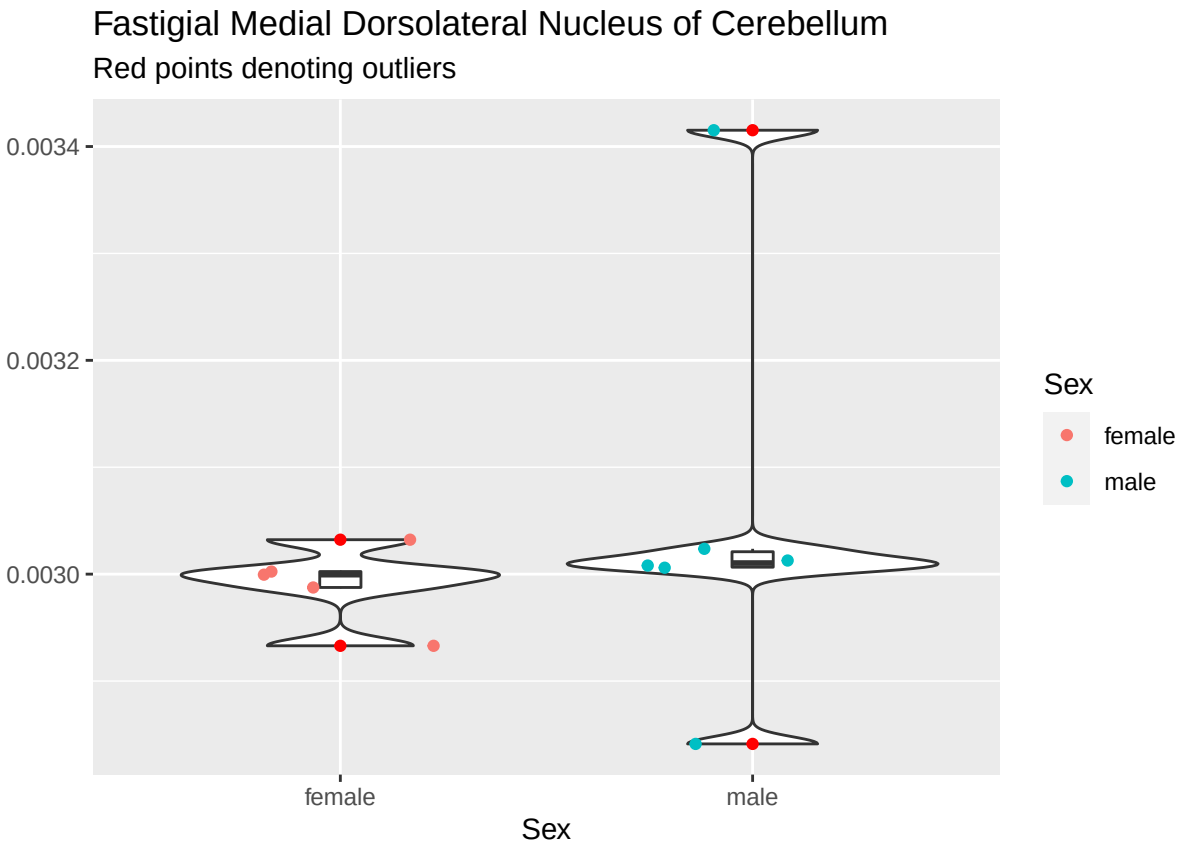

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 7.740e-10 7.740e-10    0.23  0.643
## Residuals    9 3.021e-08 3.356e-09
```



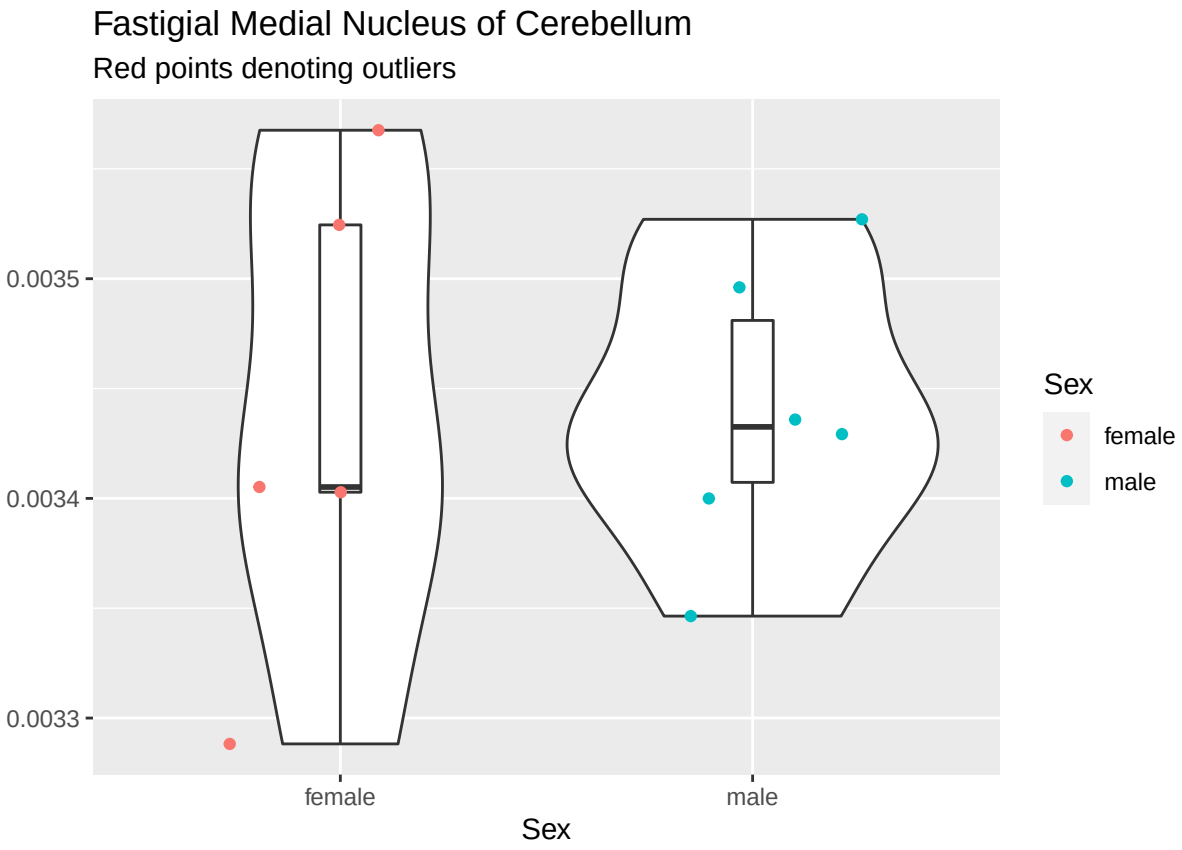

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.300e-10 5.260e-10   0.046  0.835
## Residuals    9 1.023e-07 1.137e-08
```




```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.382e-08 2.382e-08   2.054  0.186
## Residuals    9 1.044e-07 1.160e-08
```



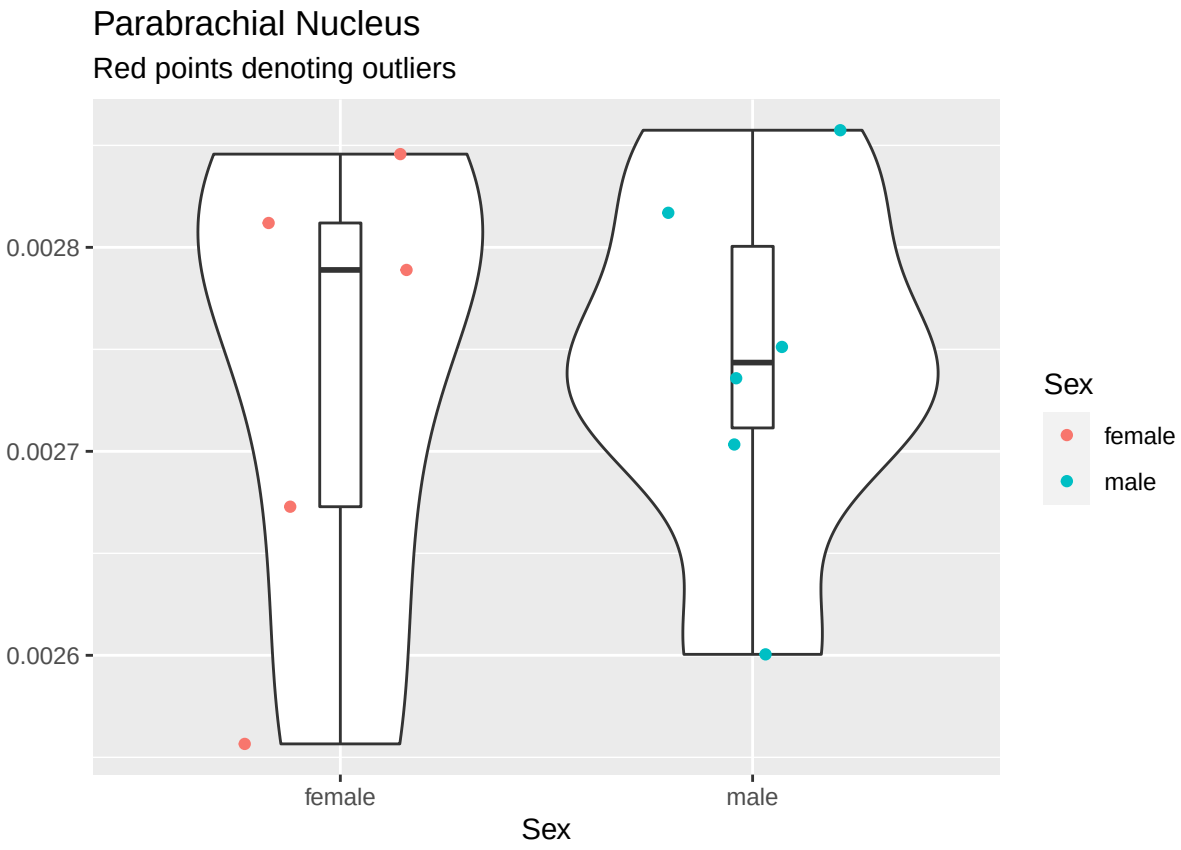

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 9.890e-09 9.894e-09   0.473  0.509
## Residuals     9 1.881e-07 2.090e-08
```



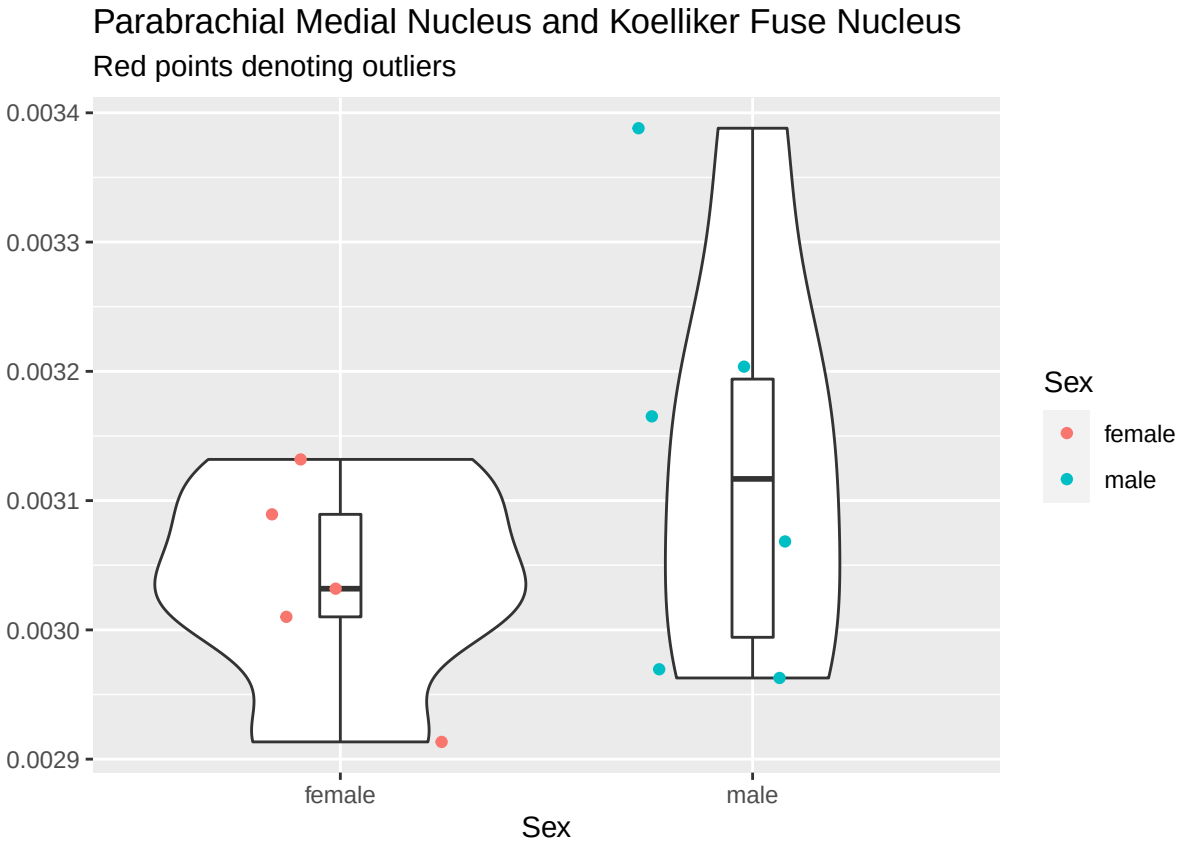

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.000e-11 6.000e-12   0.001  0.979
## Residuals    9 7.023e-08 7.803e-09
```

#“‘{r VII, echo = FALSE} #ggplot(data = apoe2, aes(factor(Sex), VII)) + #geom_violin() + #geom_boxplot(width = 0.1, outlier.color = “red”) + #geom_jitter(height = 0, width = 0.3) + #labs(x = “Sex”, #y = "“, #title =”Ventral Lateral Lemniscus Nucleus“, #subtitle =”Red points denoting outliers")

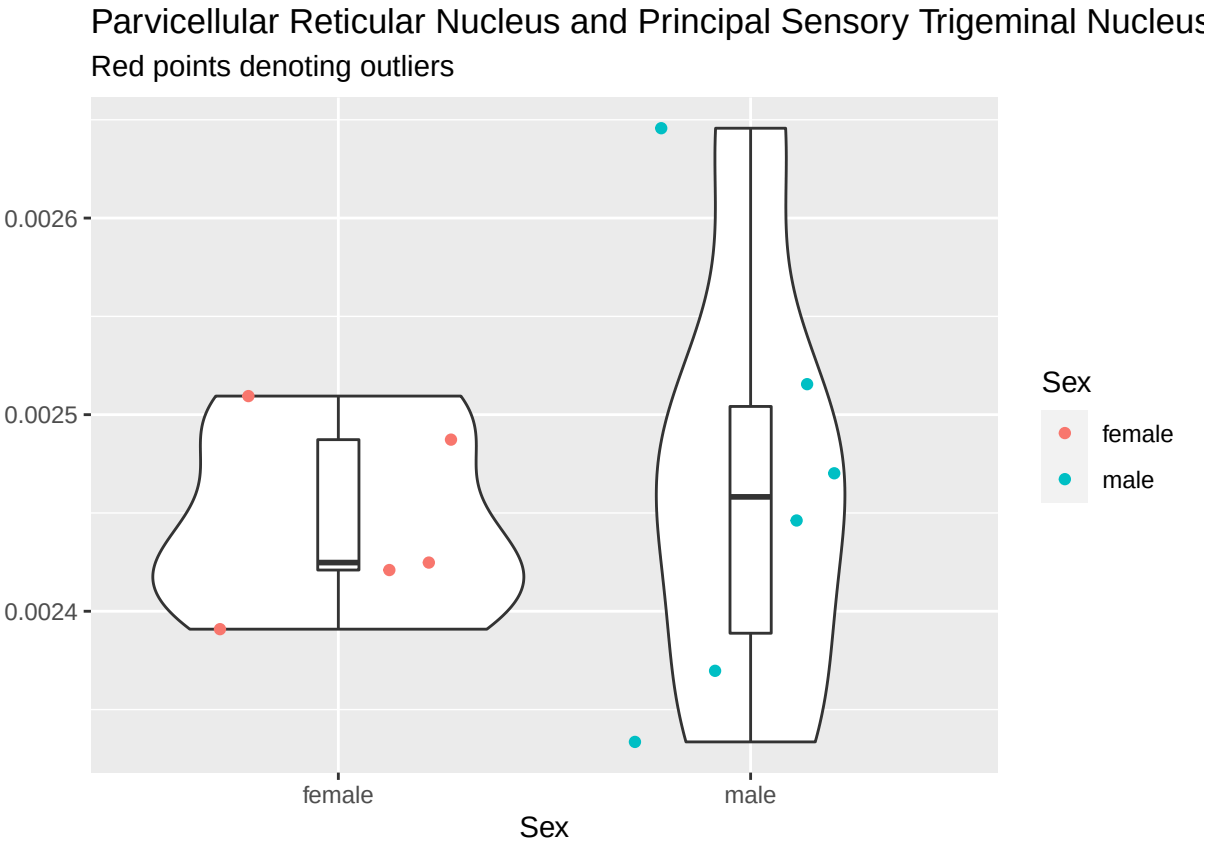
#res.aov <- aov(VII ~ Sex, data = apoe2) #summary(res.aov) #“‘



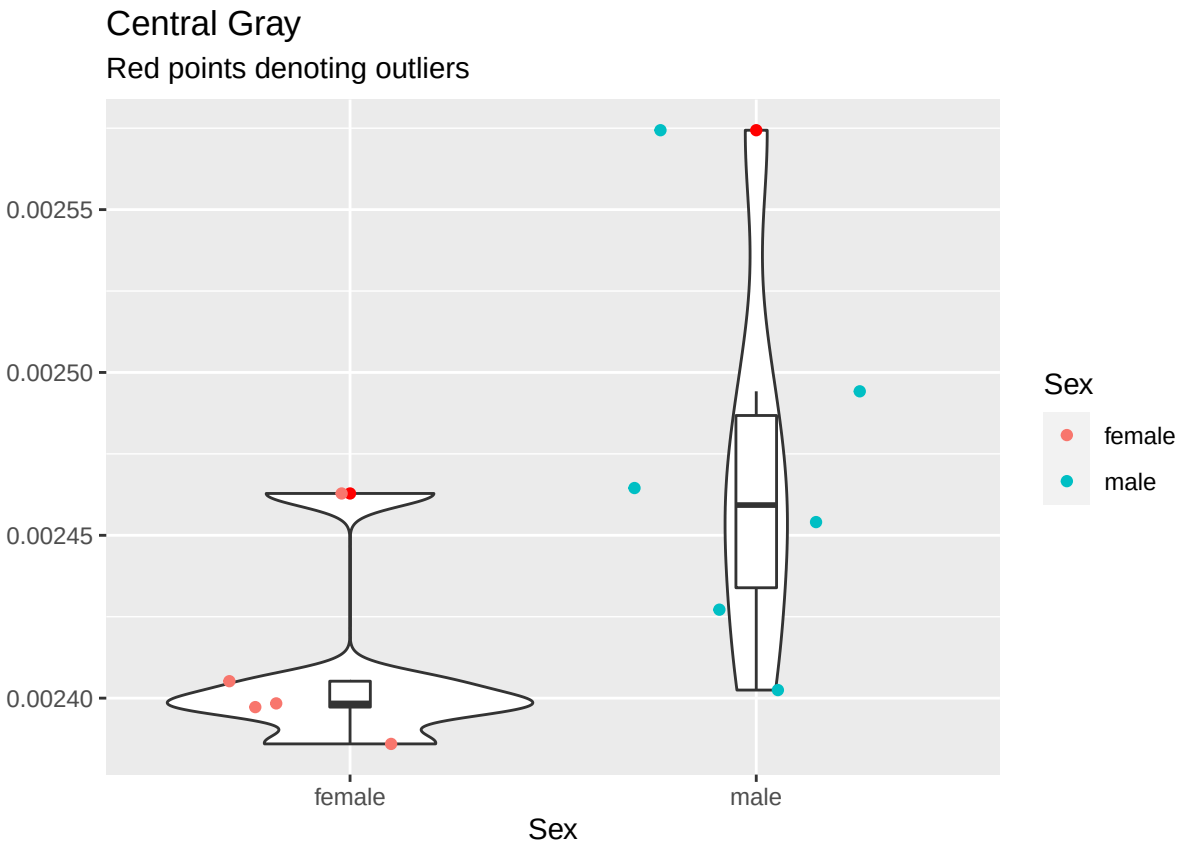

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.200e-10 2.210e-10    0.02   0.89
## Residuals    9 9.734e-08 1.081e-08
```



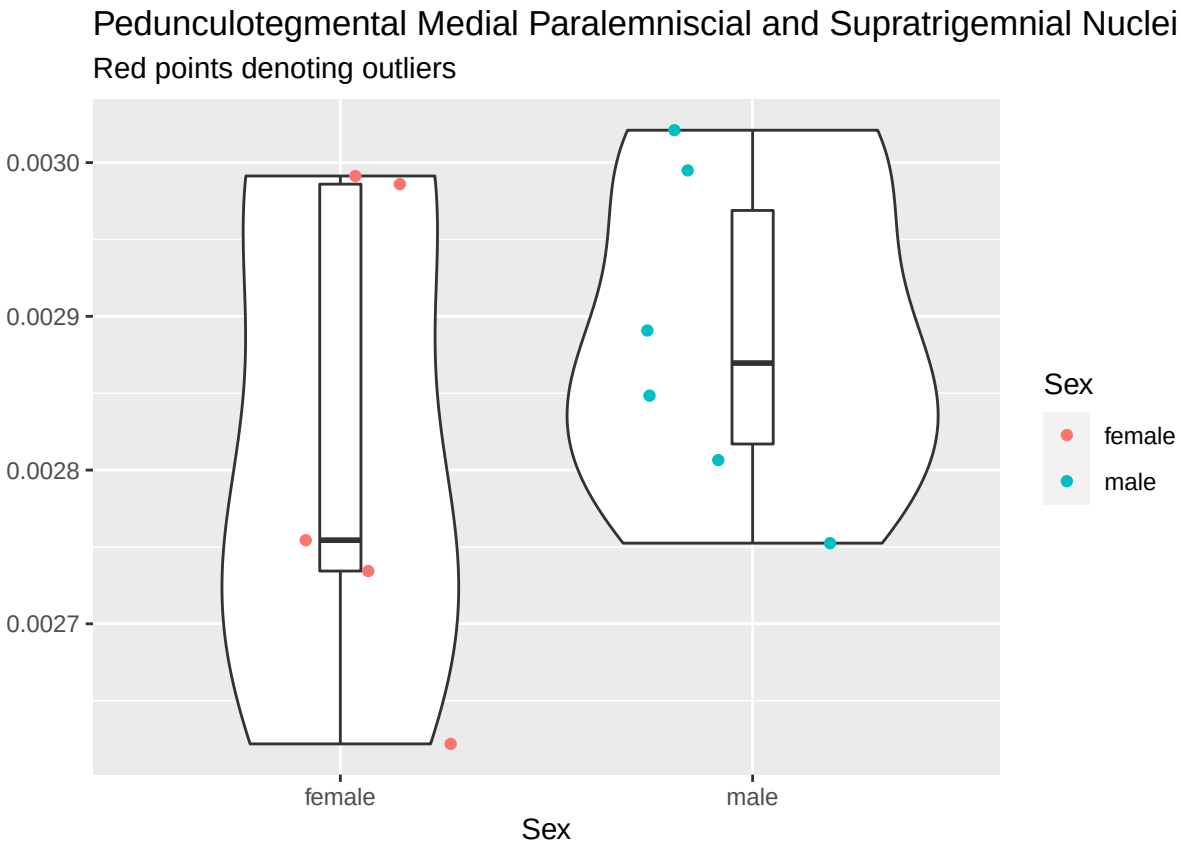

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.257e-08 2.257e-08   1.282  0.287
## Residuals    9 1.584e-07 1.761e-08
```



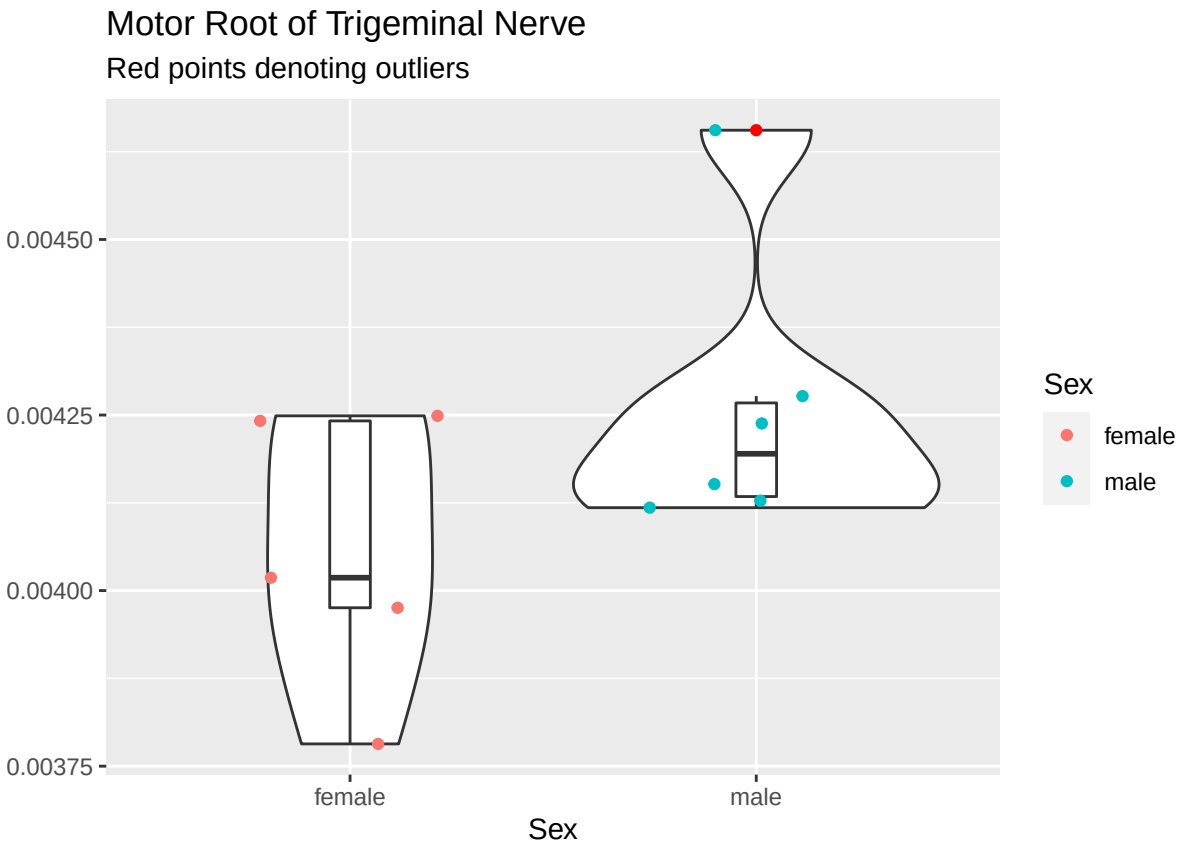

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 7.700e-10 7.690e-10   0.096  0.763
## Residuals    9 7.178e-08 7.975e-09
```



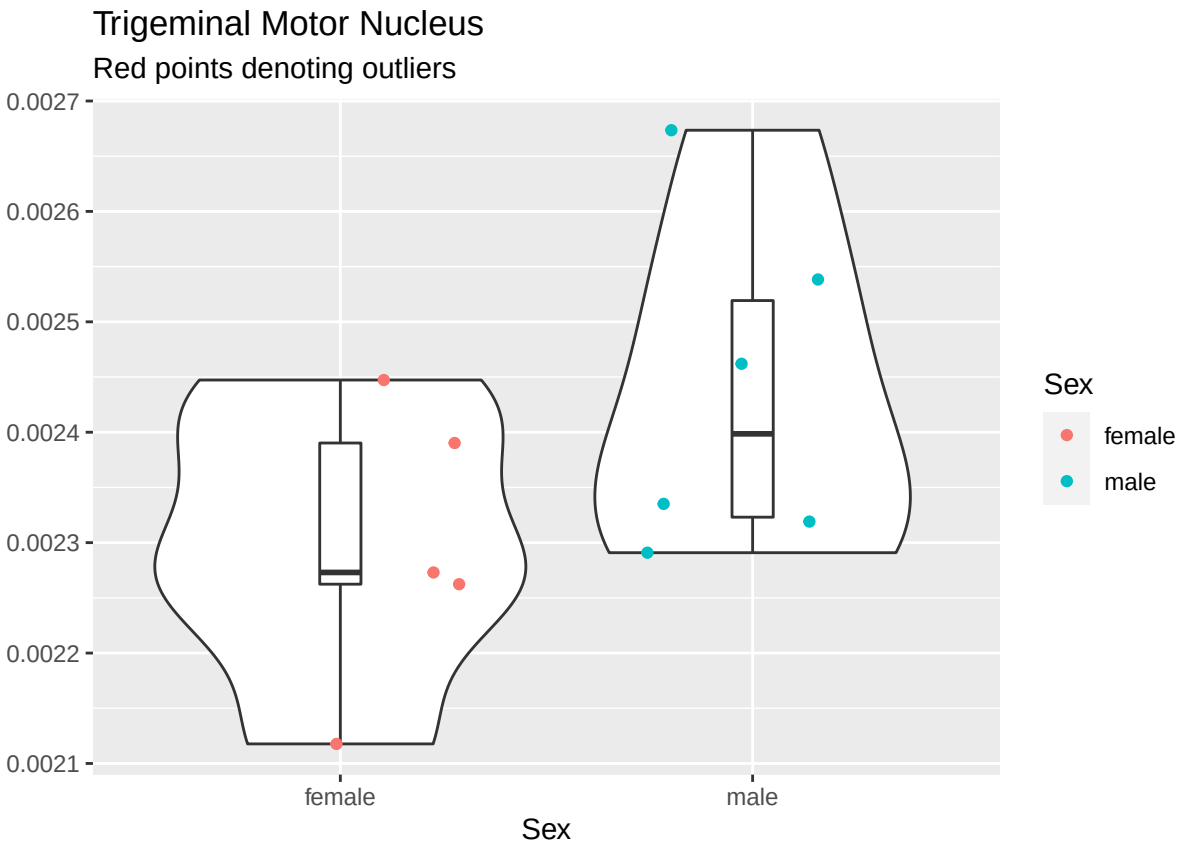

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 9.670e-09 9.670e-09   3.983 0.0771 .
## Residuals    9 2.185e-08 2.428e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



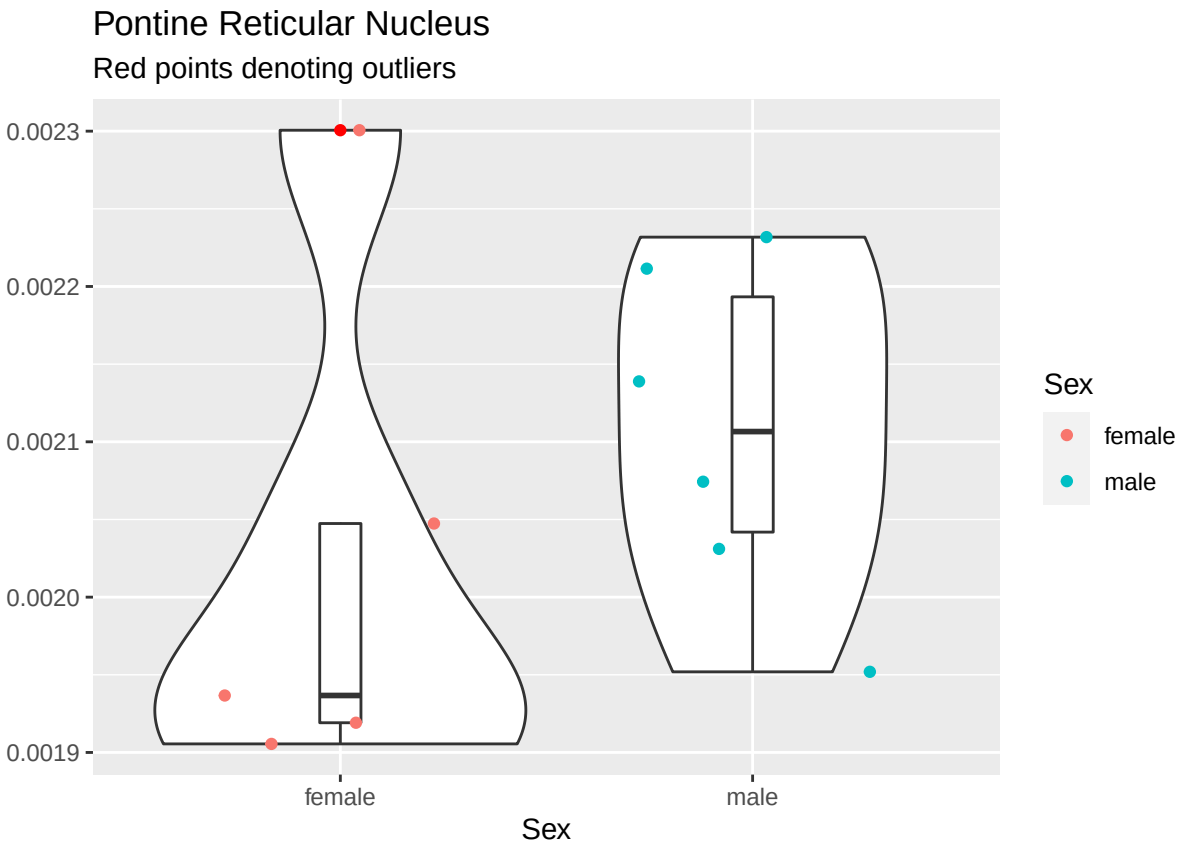

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.265e-08 1.265e-08   0.697  0.426
## Residuals    9 1.634e-07 1.816e-08
```



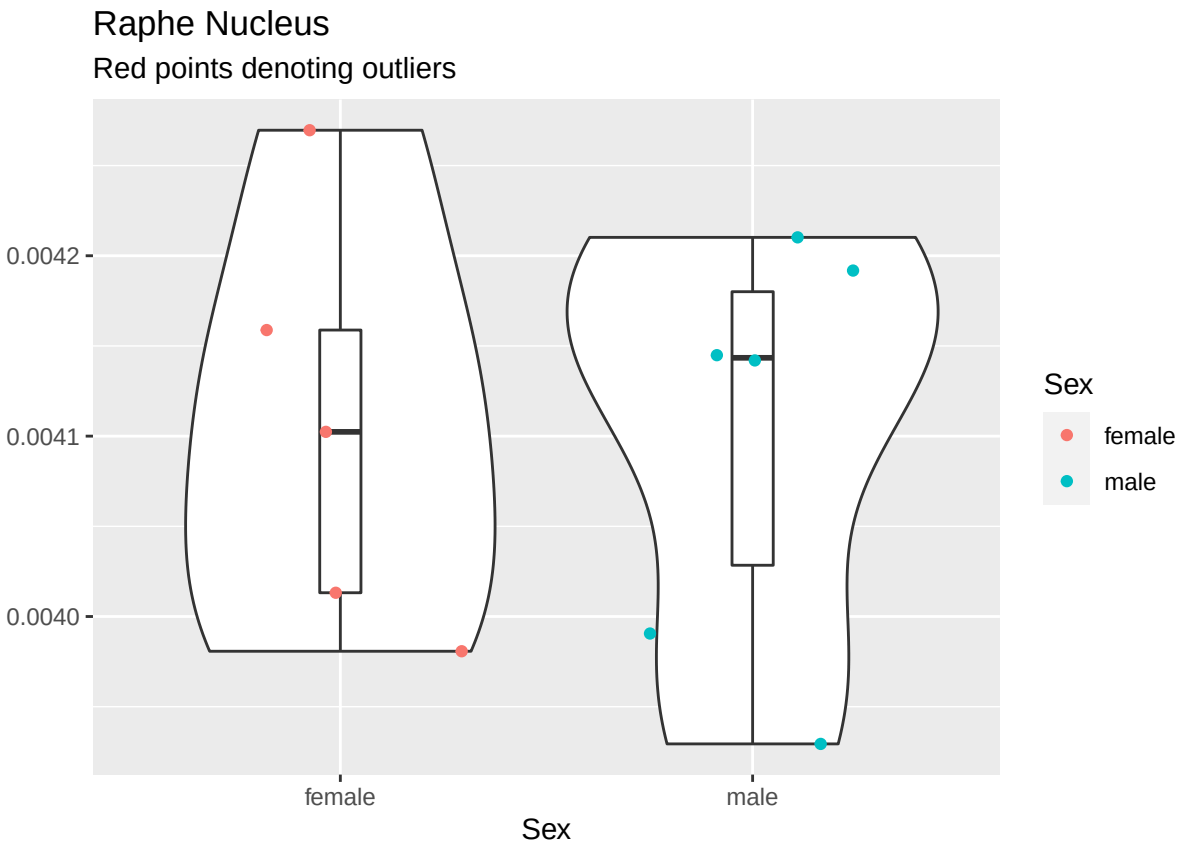

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.182e-07 1.182e-07   2.944   0.12
## Residuals    9 3.613e-07 4.015e-08
```



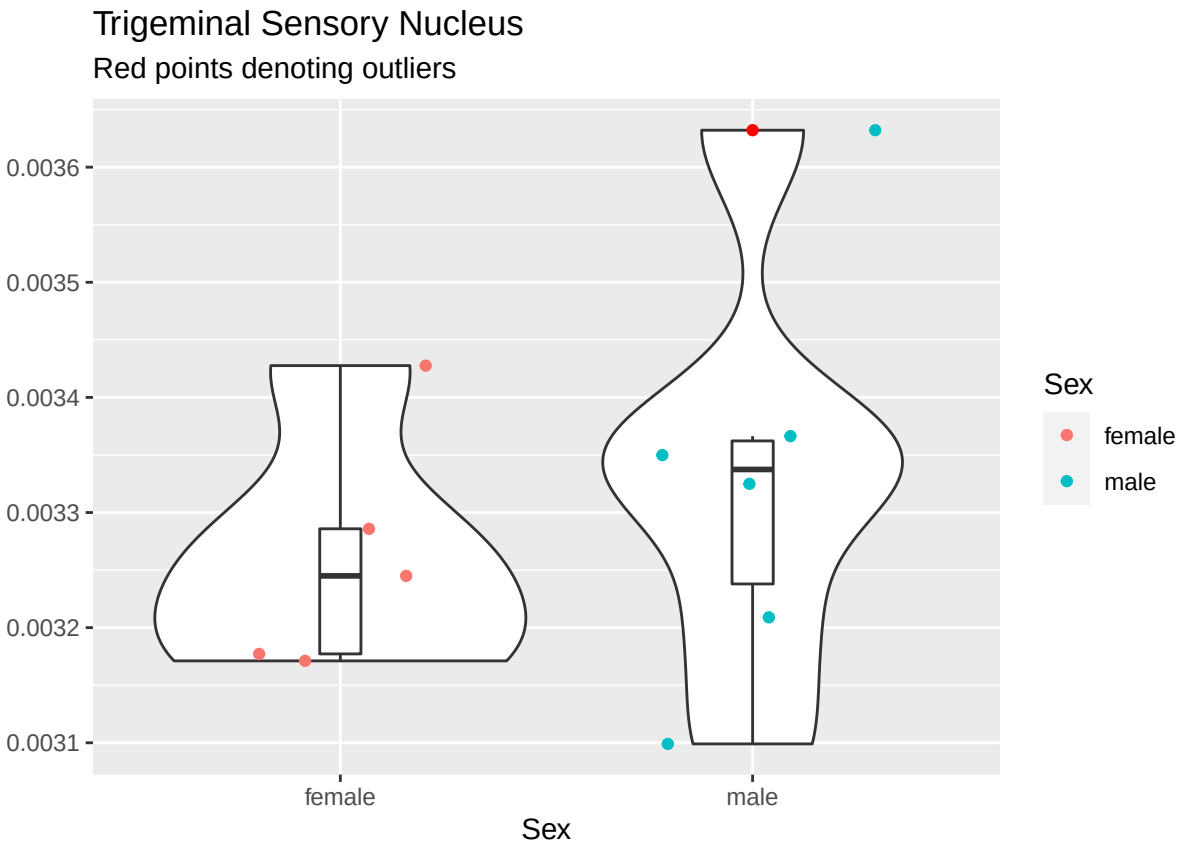

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.222e-08 5.222e-08   2.645  0.138
## Residuals    9 1.777e-07 1.974e-08
```



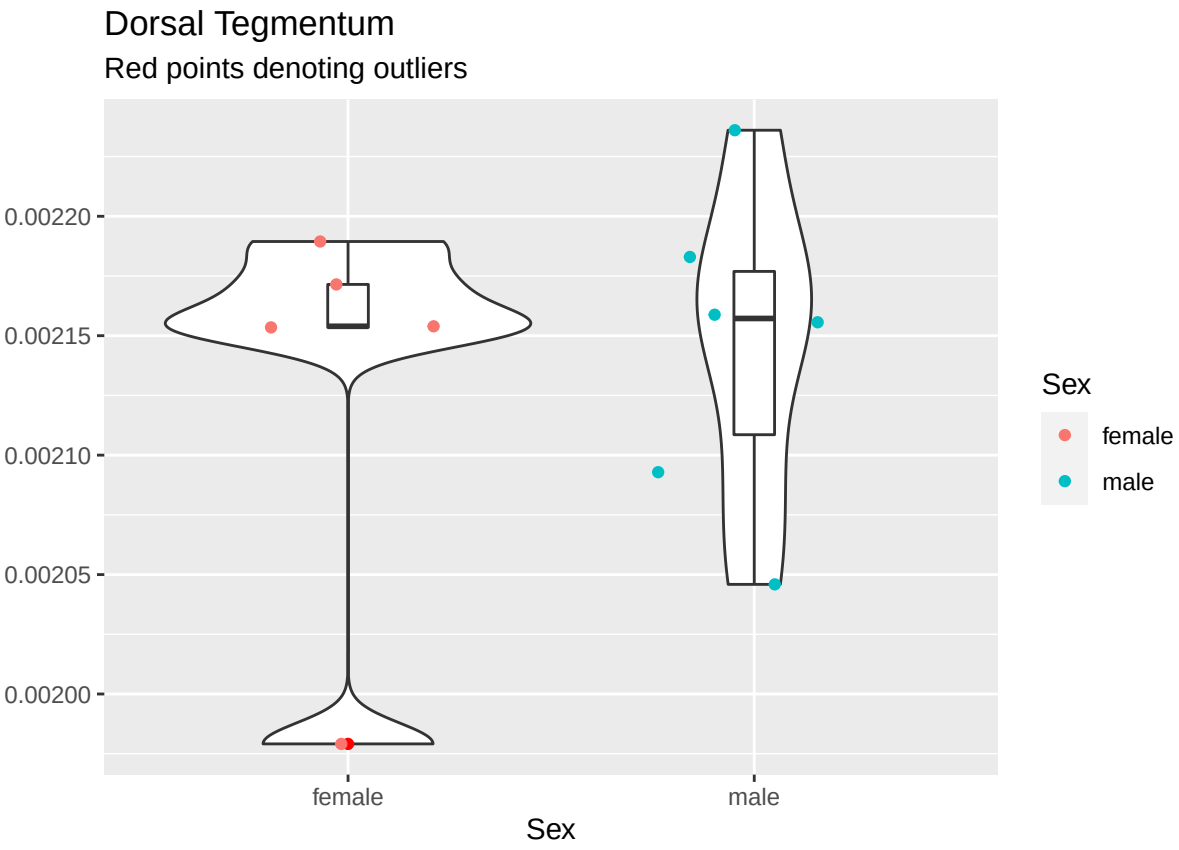

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.957e-08 1.957e-08   1.048  0.333
## Residuals    9 1.681e-07 1.868e-08
```



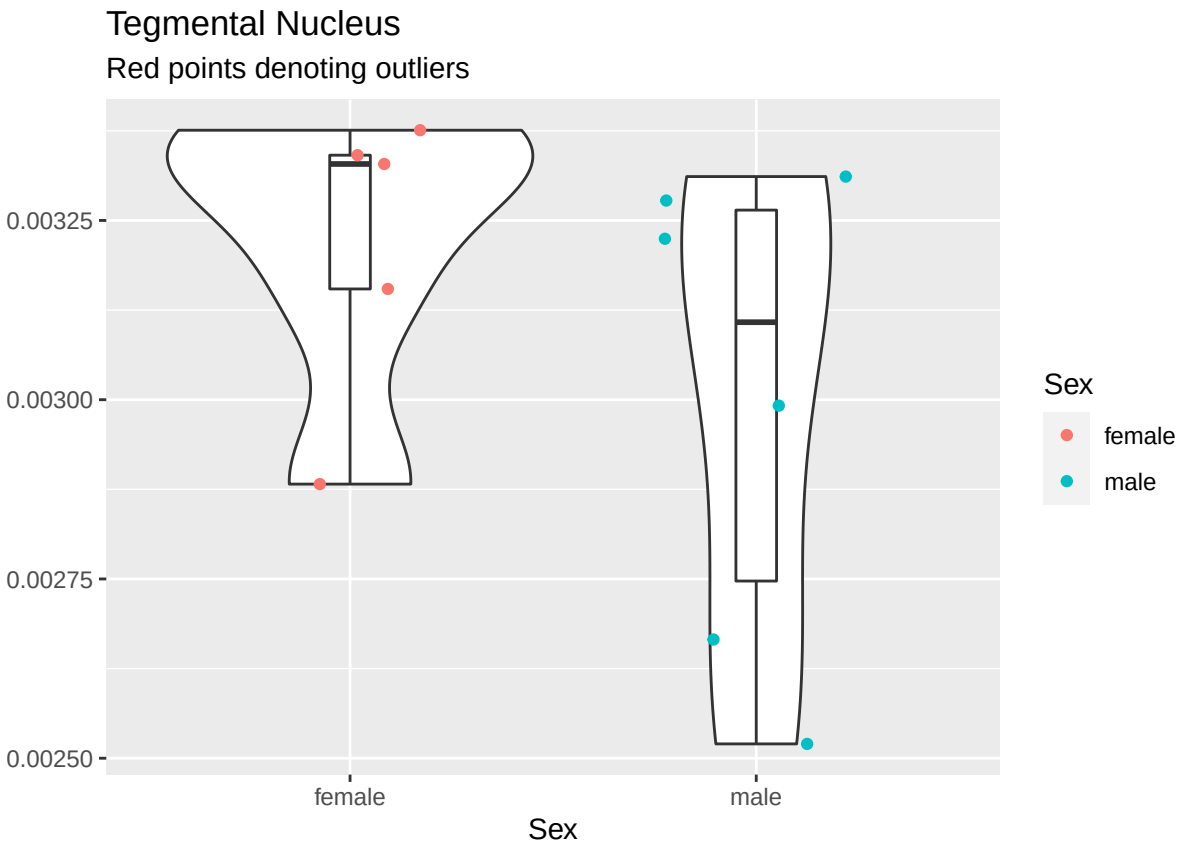

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.000e-11 3.300e-11   0.002  0.961
## Residuals    9 1.193e-07 1.326e-08
```



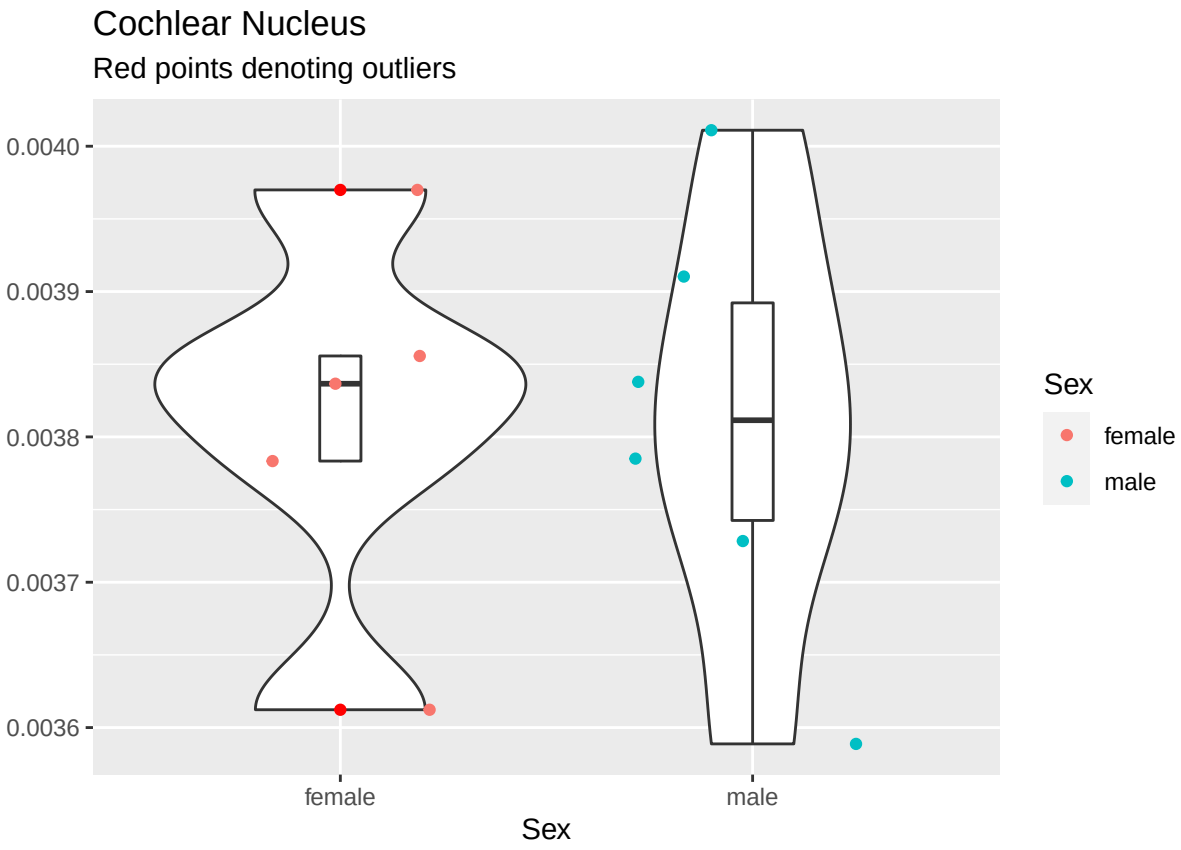

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.293e-08 1.293e-08   0.568   0.47
## Residuals    9 2.047e-07 2.275e-08
```



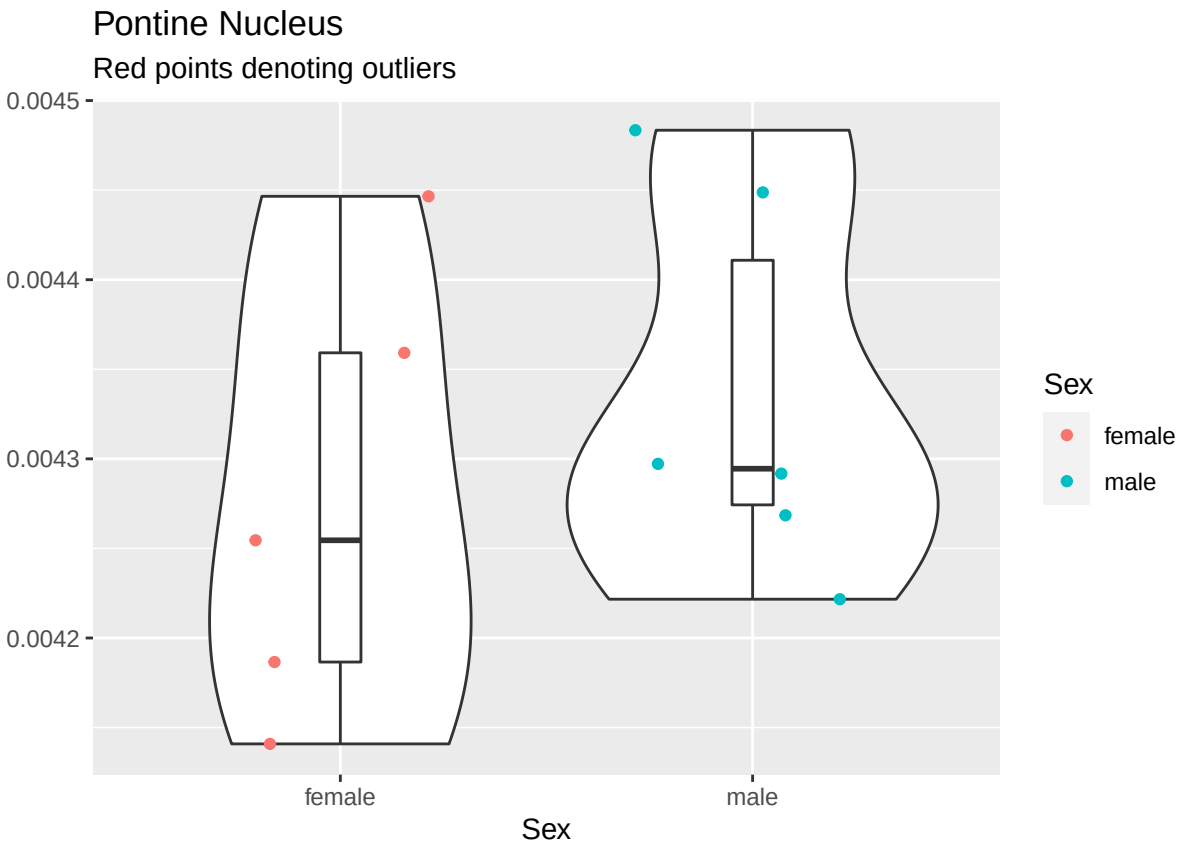

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 6.900e-10 6.870e-10    0.12  0.737
## Residuals    9 5.171e-08 5.746e-09
```



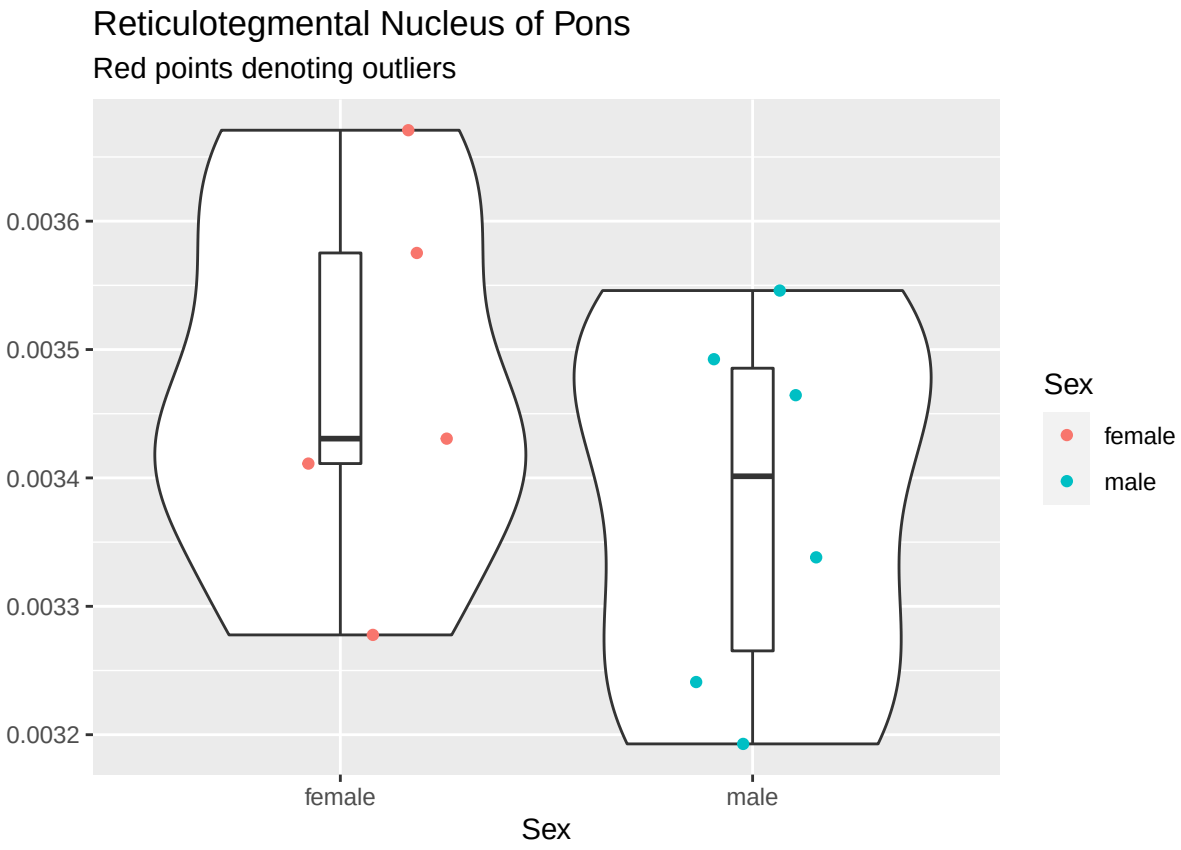

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 1.296e-07 1.296e-07   1.586   0.24
## Residuals     9 7.357e-07 8.175e-08
```



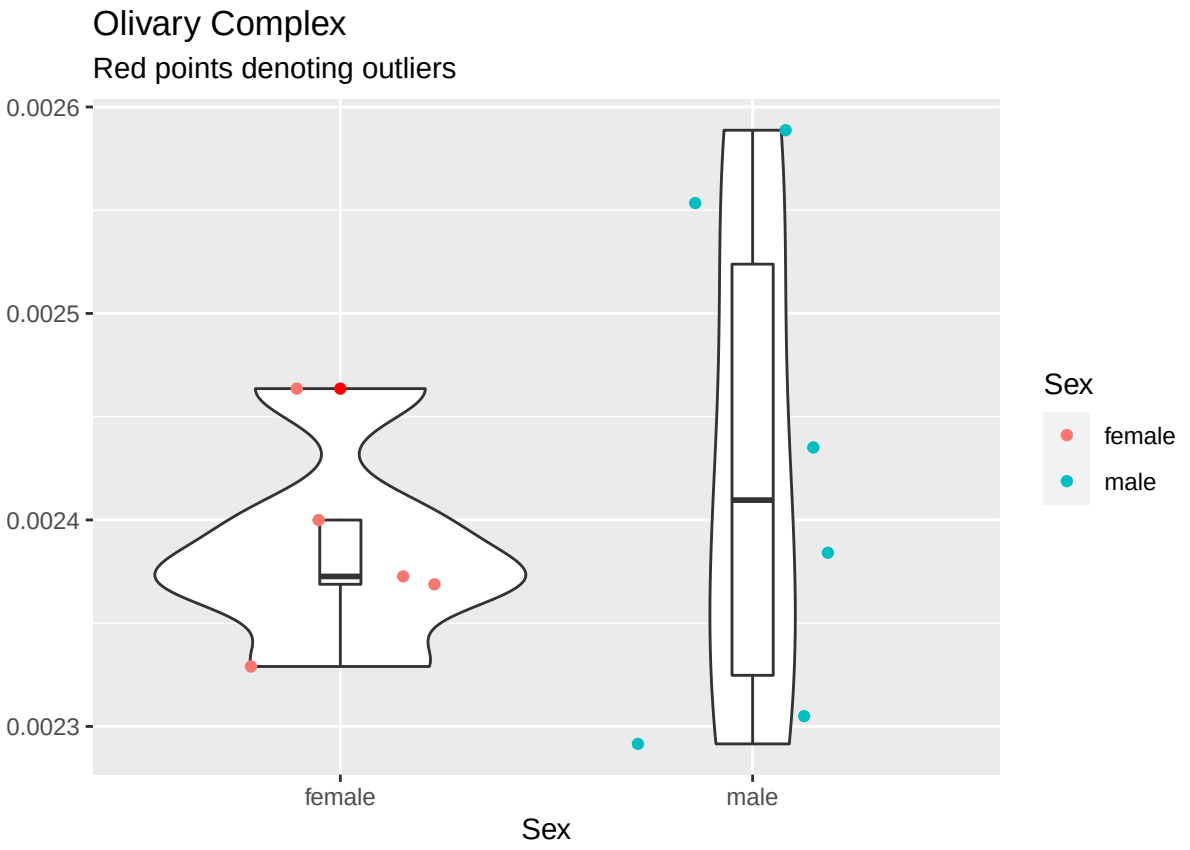

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 0.000e+00 5.000e-12       0  0.988
## Residuals     9 1.756e-07 1.952e-08
```




```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 9.070e-09 9.070e-09    0.69  0.428
## Residuals    9 1.183e-07 1.314e-08
```



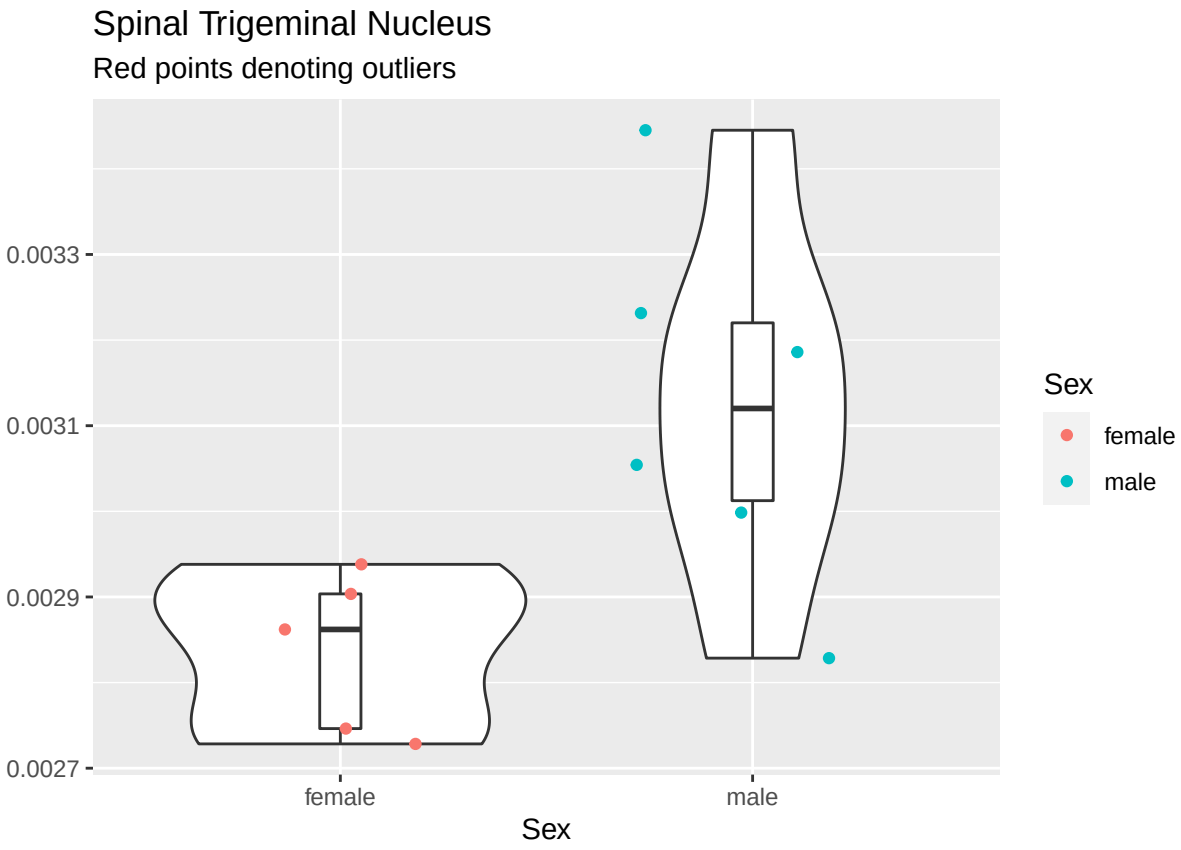

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.409e-08 2.409e-08   1.102  0.321
## Residuals    9 1.968e-07 2.186e-08
```



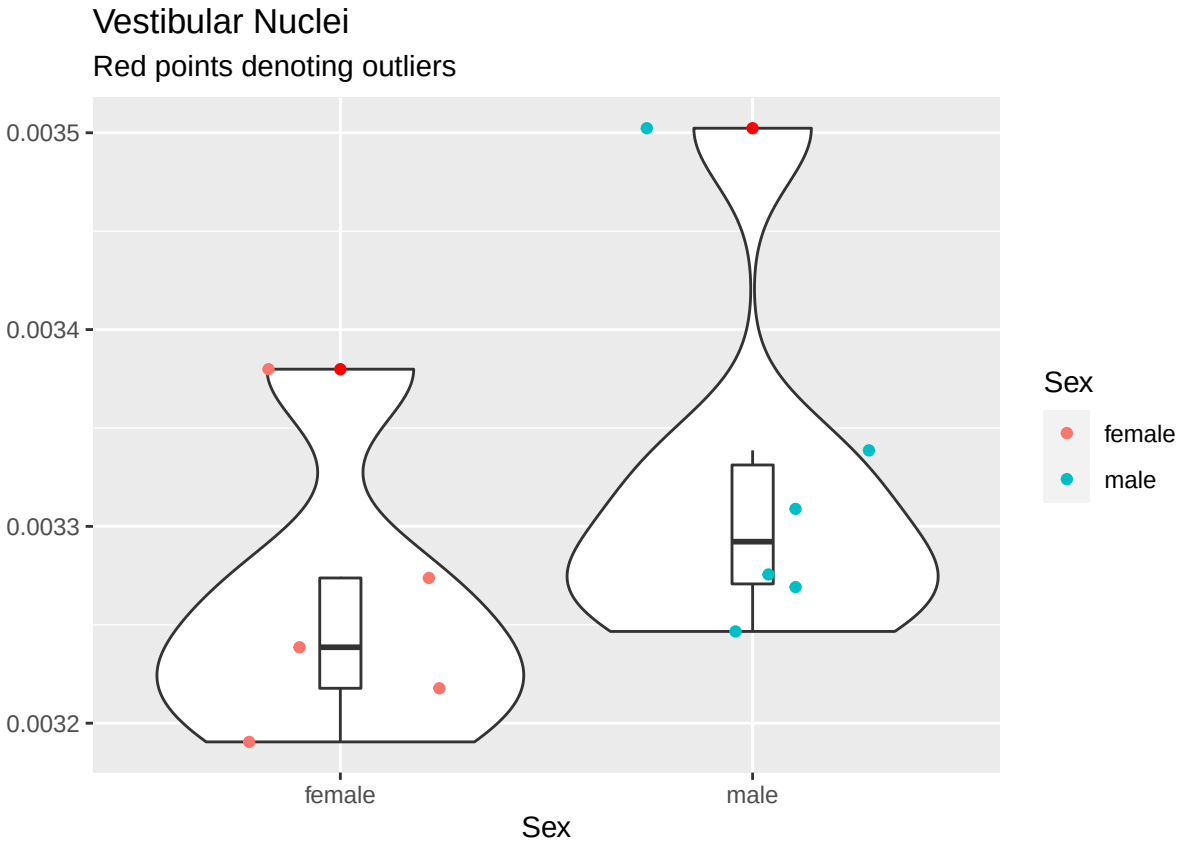

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.260e-09 4.258e-09   0.439  0.524
## Residuals    9 8.723e-08 9.693e-09
```

#“‘{r PnRt, echo = FALSE} #ggplot(data = apoe2, aes(factor(Sex), PnRt)) + # geom_violin() + # geom_boxplot(width = 0.1, outlier.color = “red”) + # geom_jitter(height = 0, width = 0.3) + # labs(x = “Sex”, # y = "“, # title =”Pontine Reticular Nucleus“, # subtitle =”Red points denoting outliers")

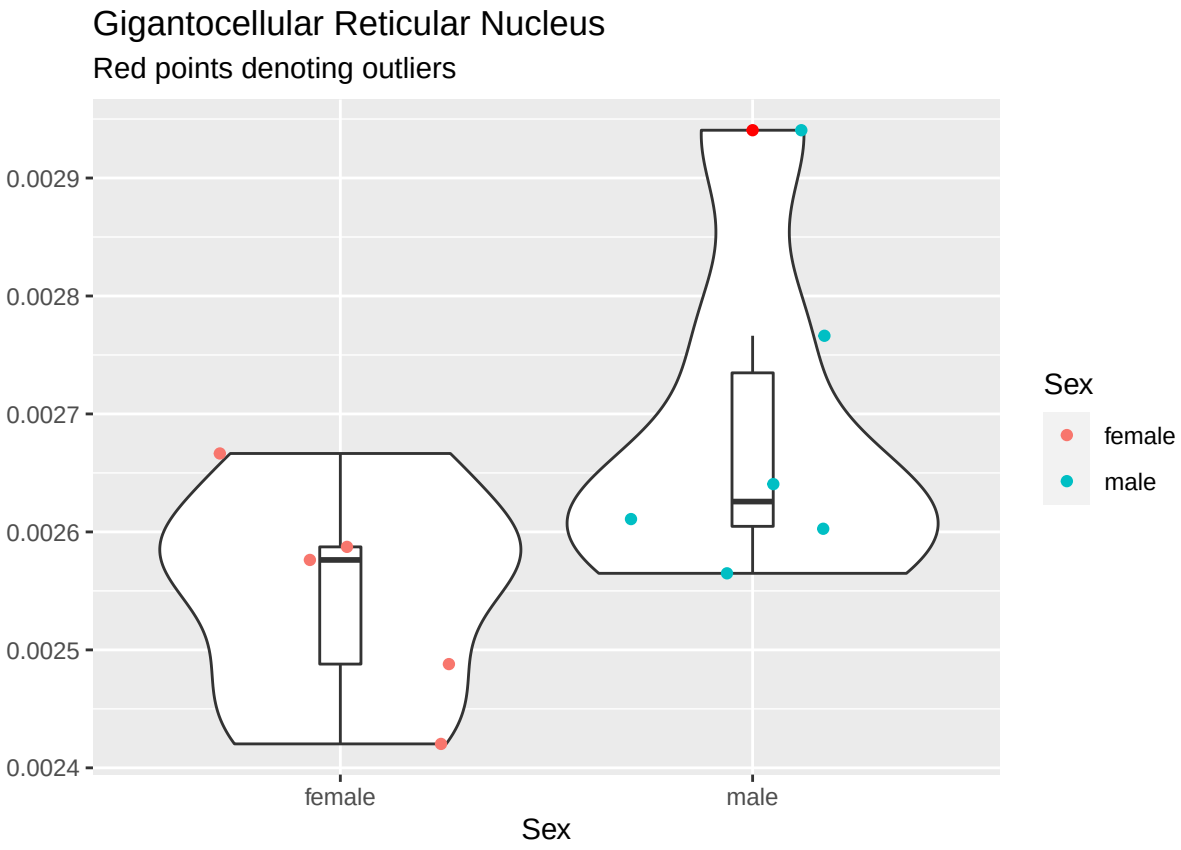
#res.aov <- aov(PnRt ~ Sex, data = apoe2) #summary(res.aov) #“‘



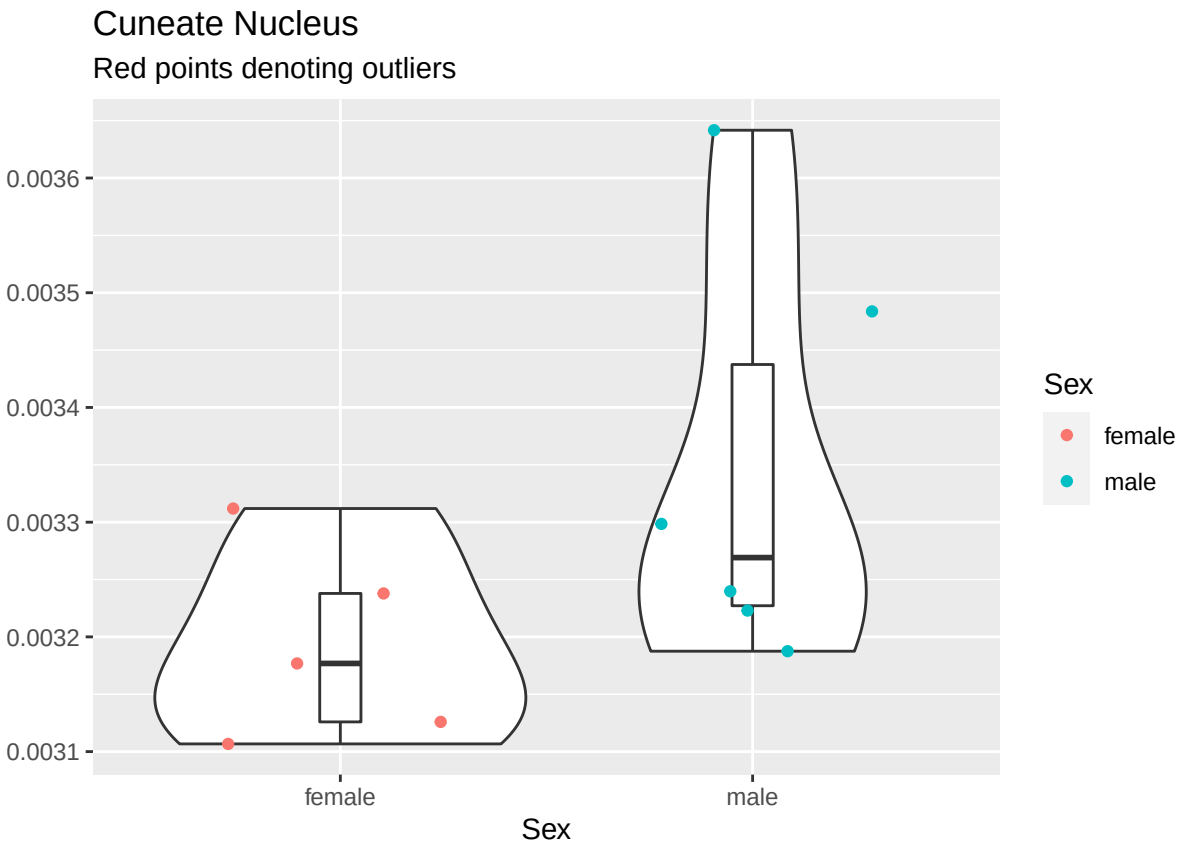

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.267e-07 2.267e-07   7.796  0.021 *
## Residuals    9 2.617e-07 2.908e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



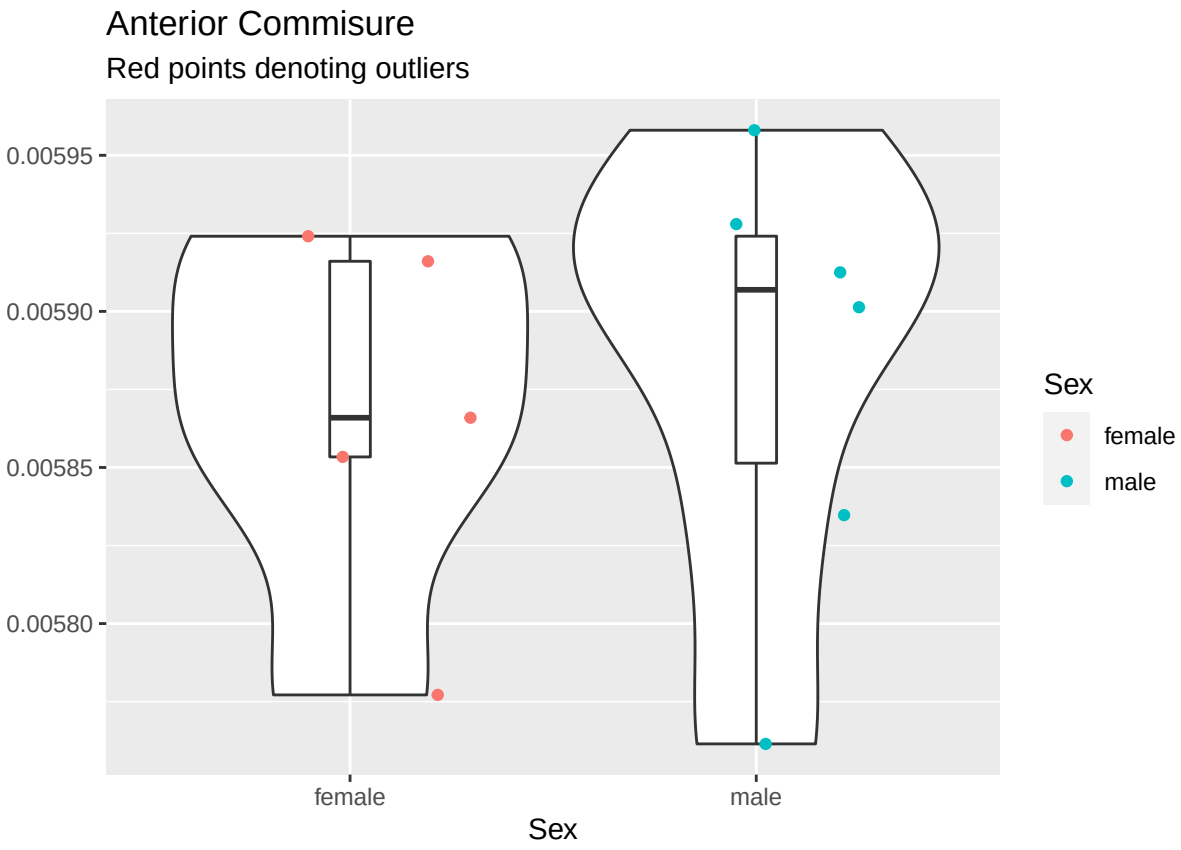

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.098e-08 1.098e-08   1.515   0.25
## Residuals    9 6.521e-08 7.245e-09
```



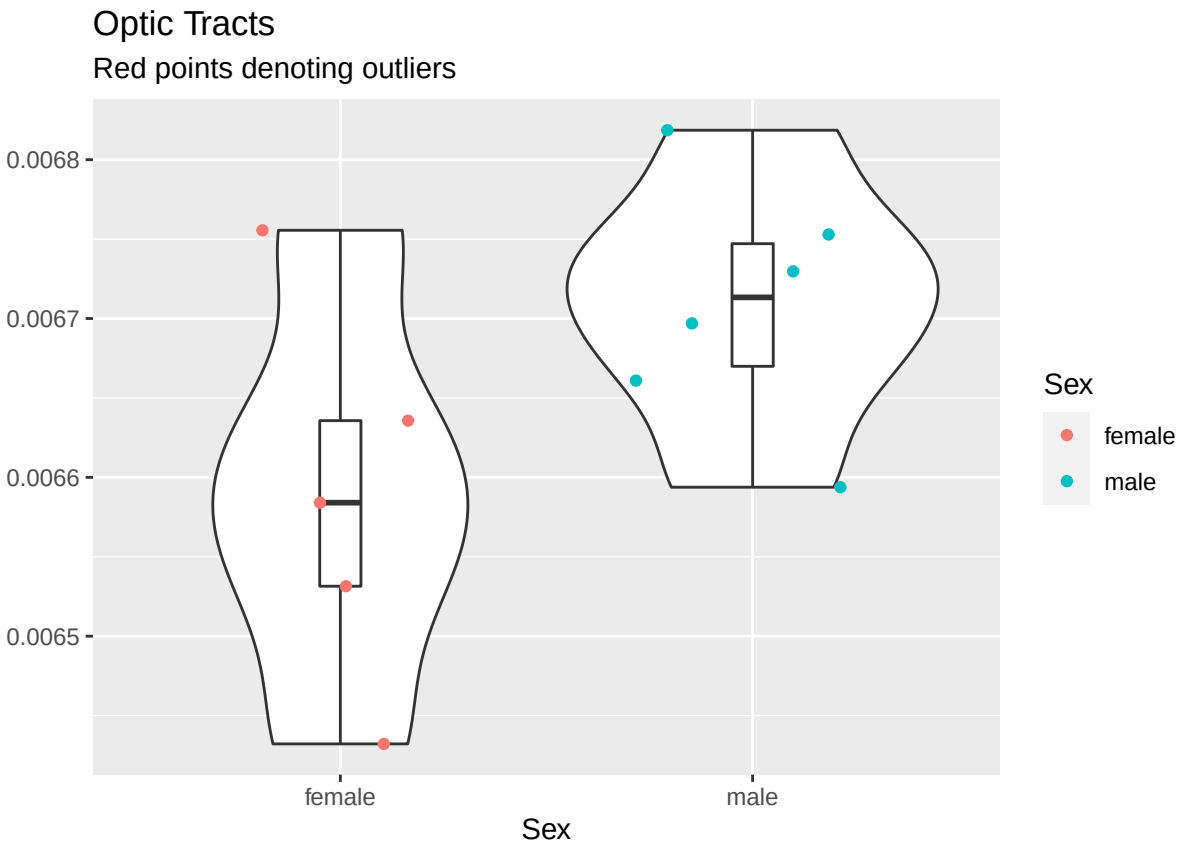

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.343e-08 5.343e-08   3.515 0.0936 .
## Residuals    9 1.368e-07 1.520e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



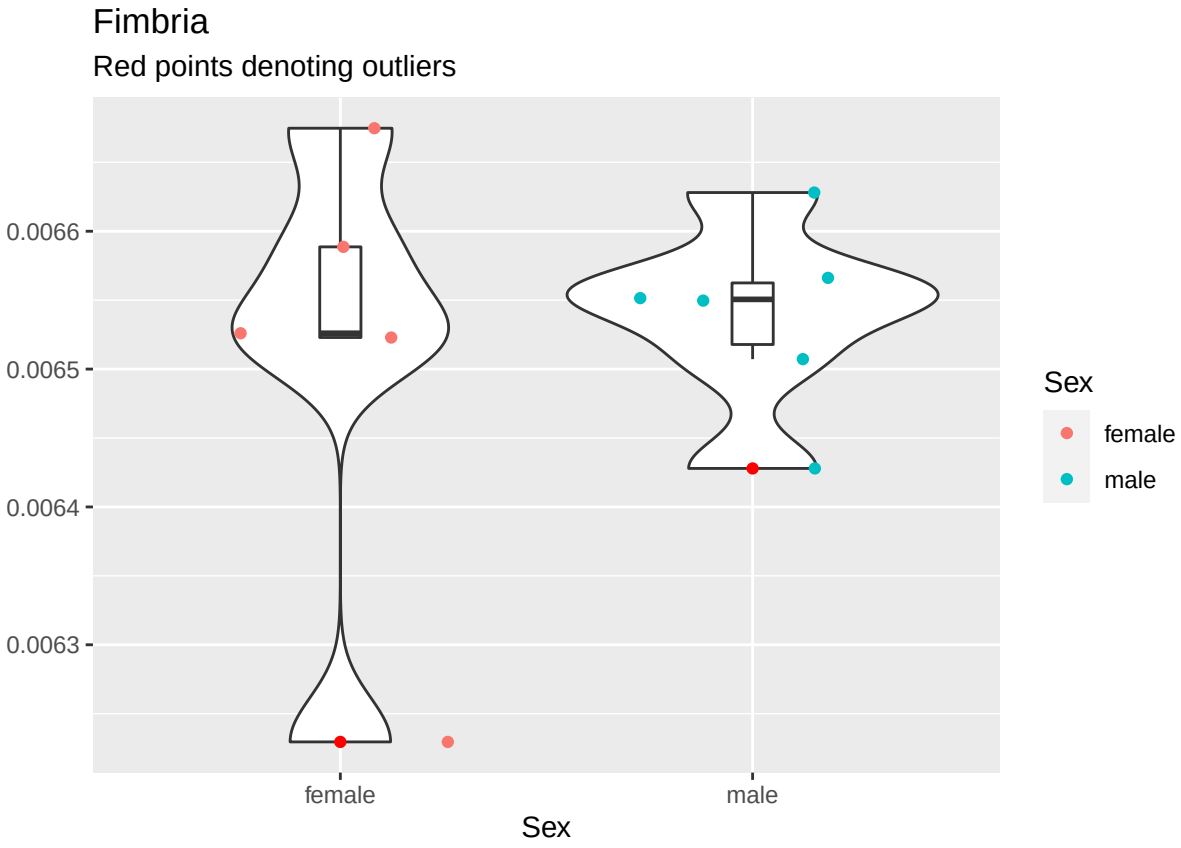

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 6.454e-08 6.454e-08   3.081  0.113
## Residuals    9 1.885e-07 2.095e-08
```



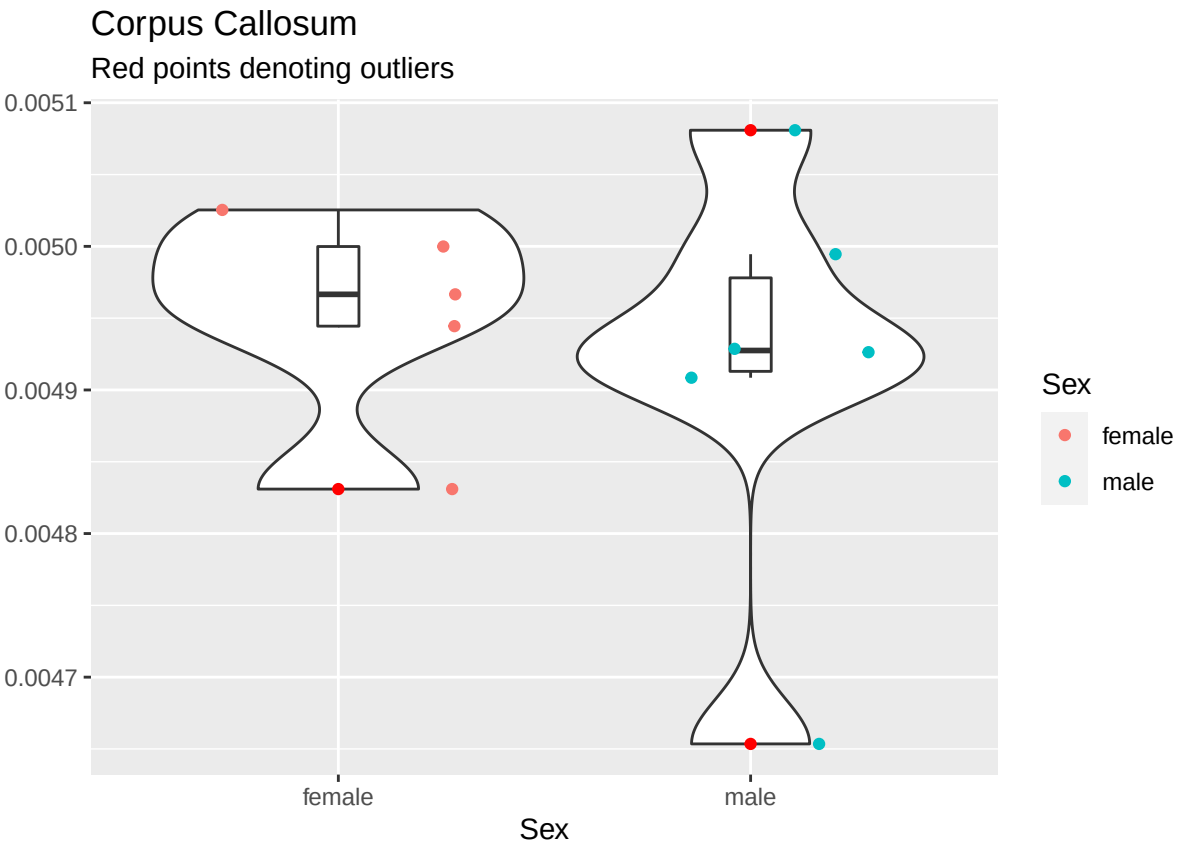

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 6.400e-10 6.430e-10   0.145  0.712
## Residuals    9 3.988e-08 4.431e-09
```



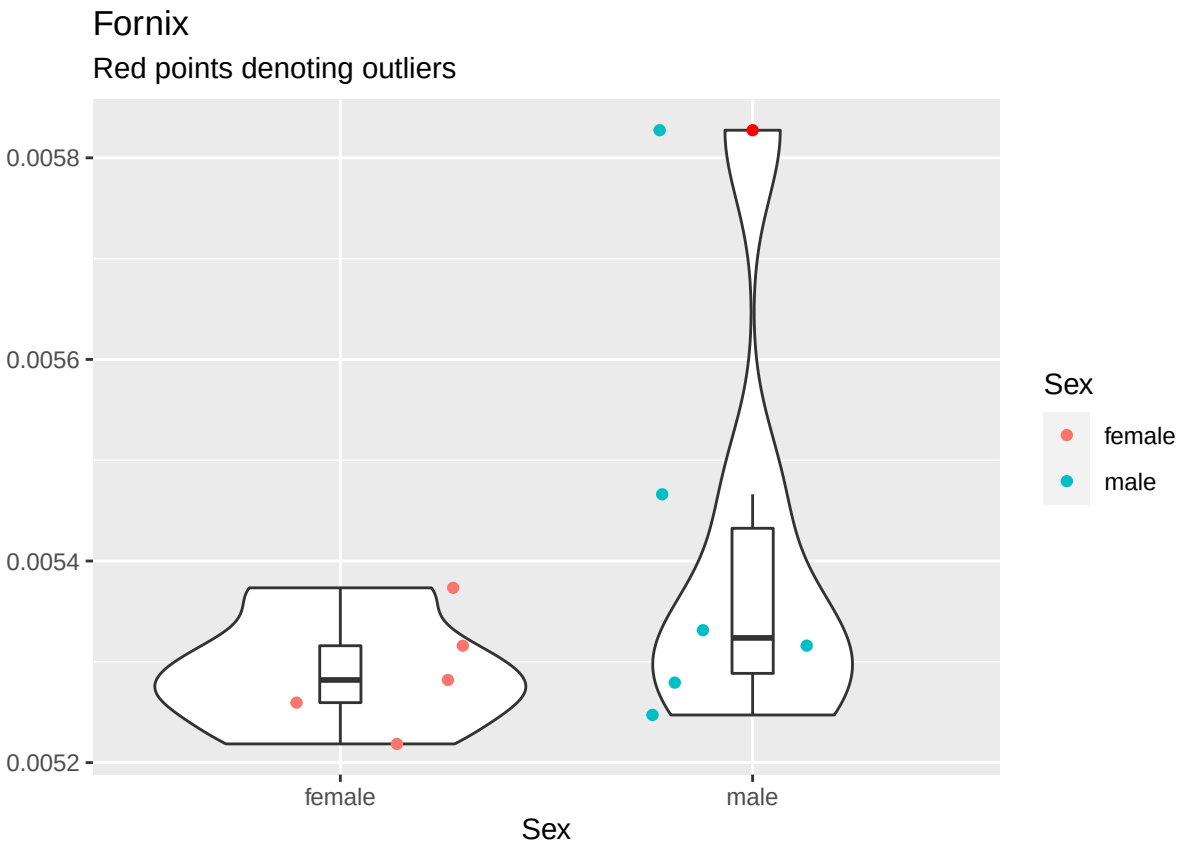

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.994e-08 3.994e-08   4.088 0.0739 .
## Residuals    9 8.793e-08 9.770e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```




```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.460e-09 2.463e-09   0.165  0.694
## Residuals    9 1.347e-07 1.496e-08
```

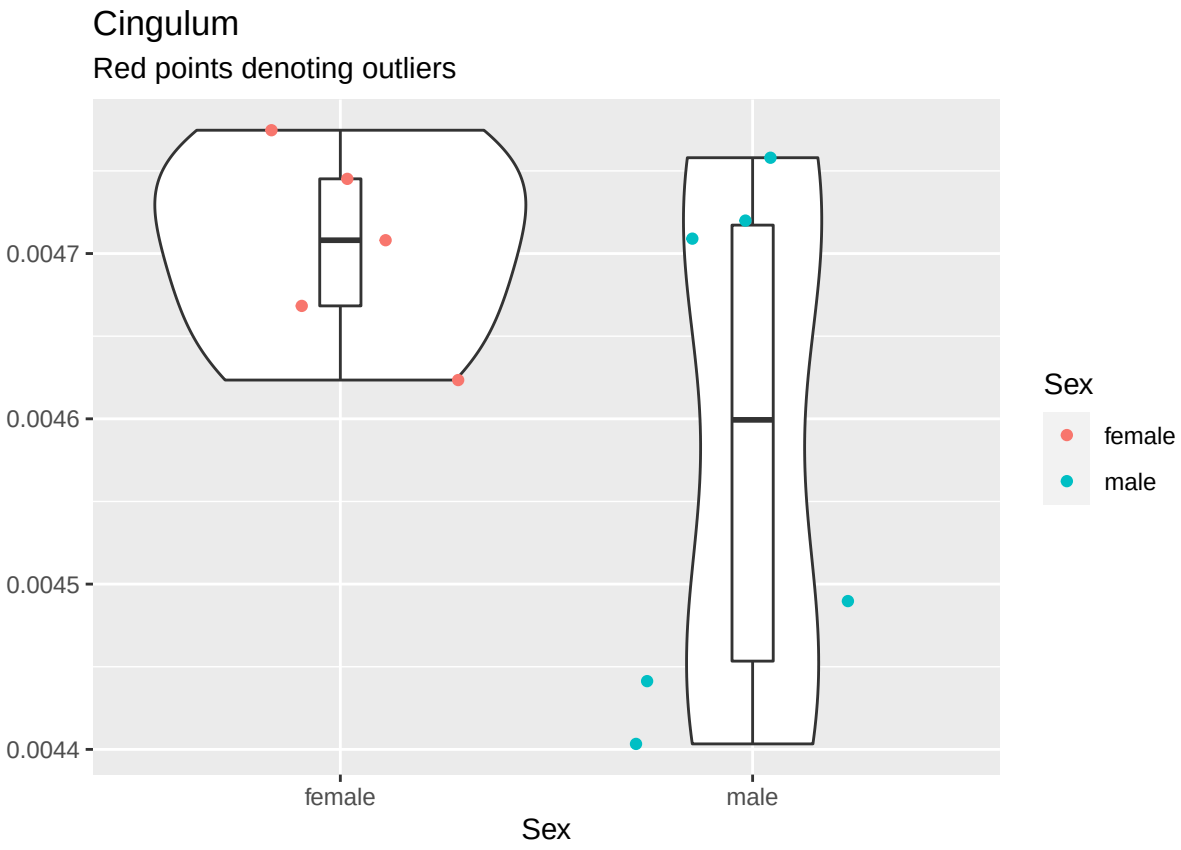



```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.950e-09 3.949e-09   0.284  0.607
## Residuals    9 1.252e-07 1.391e-08
```

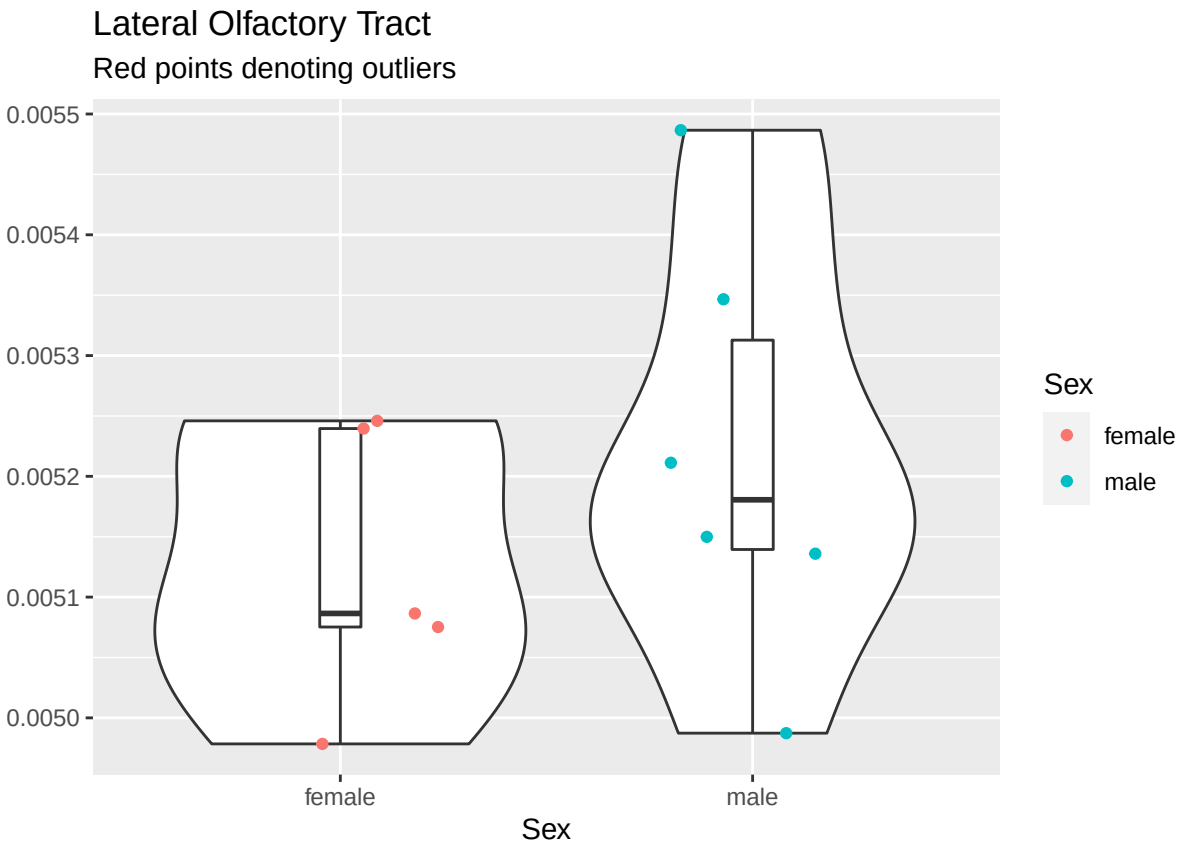



```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.018e-08 4.018e-08   1.448  0.259
## Residuals    9 2.497e-07 2.774e-08
```

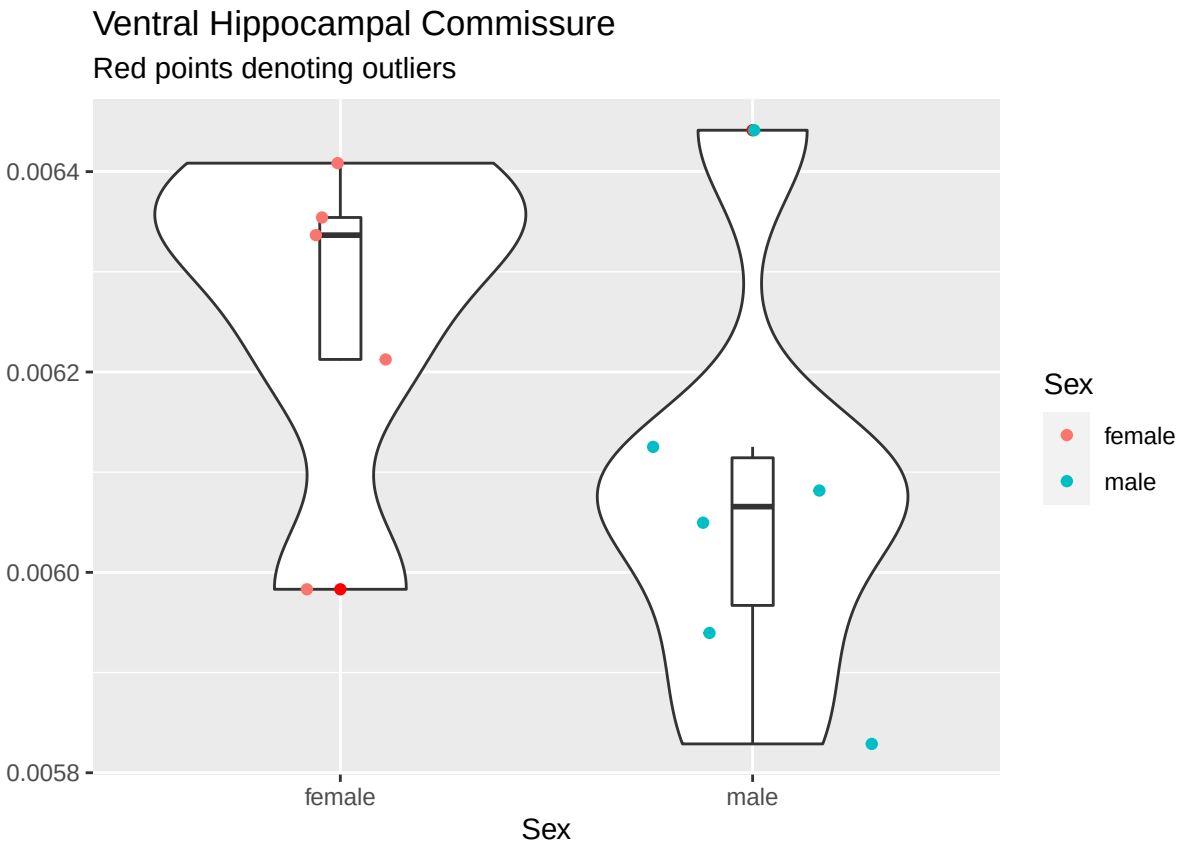

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.080e-09 5.081e-09   0.636  0.446
## Residuals    9 7.193e-08 7.992e-09
```



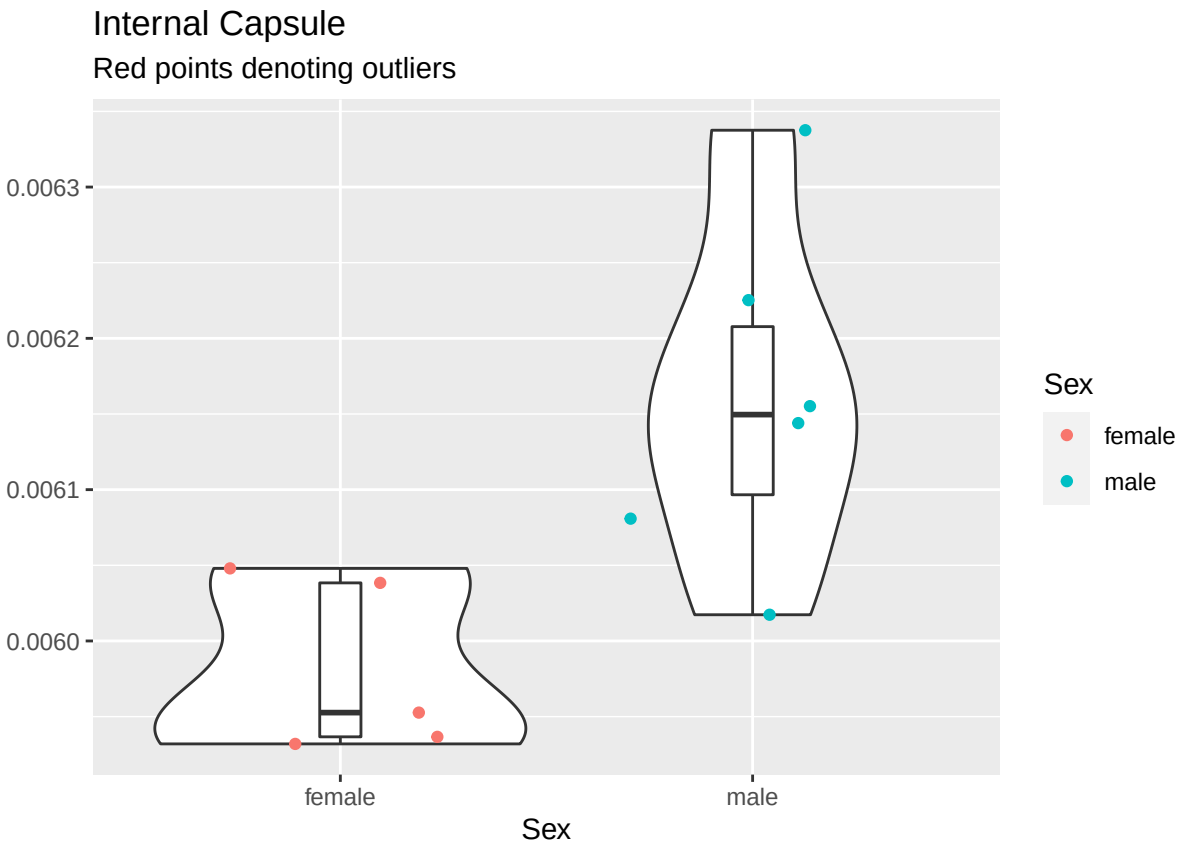

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.736e-08 3.736e-08   2.391  0.156
## Residuals    9 1.407e-07 1.563e-08
```



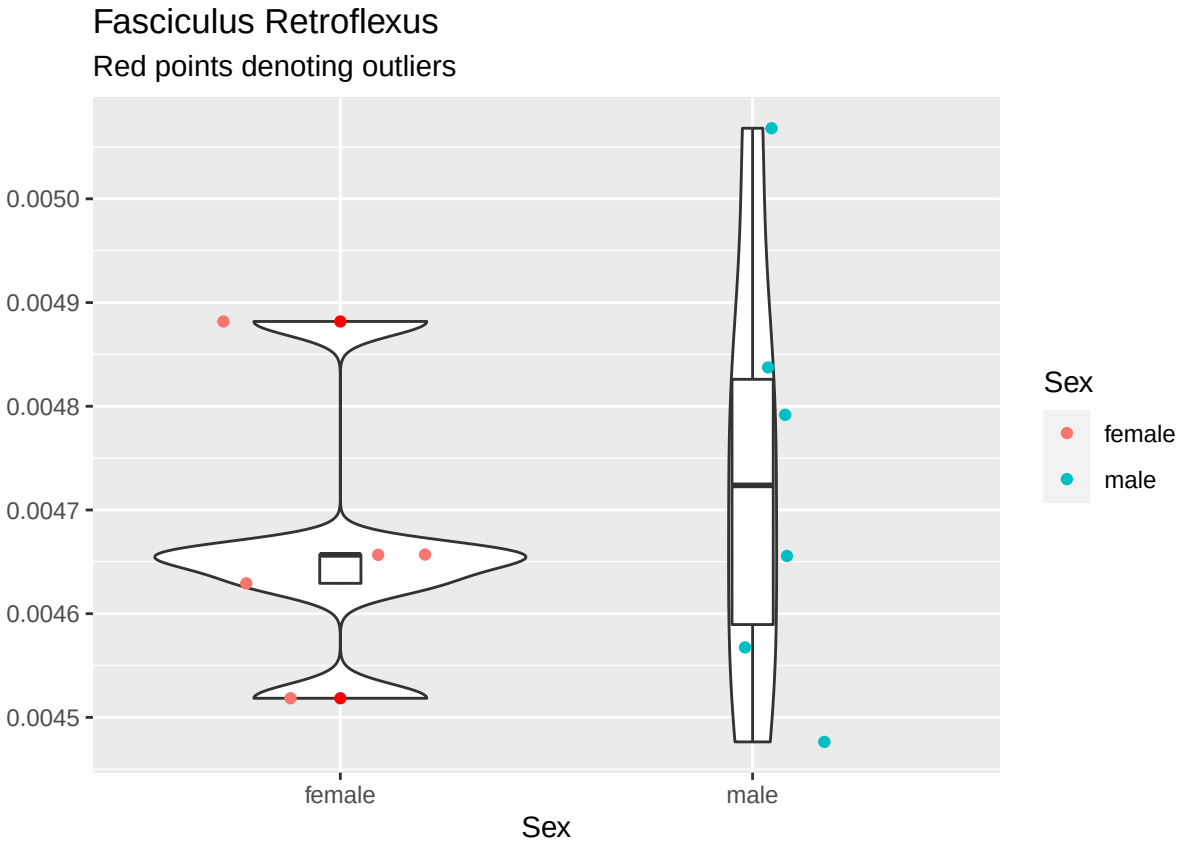

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.435e-08 2.435e-08   1.061   0.33
## Residuals    9 2.065e-07 2.294e-08
```




```
##             Df   Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 8.96e-08 8.964e-08    2.43  0.153
## Residuals    9 3.32e-07 3.689e-08
```

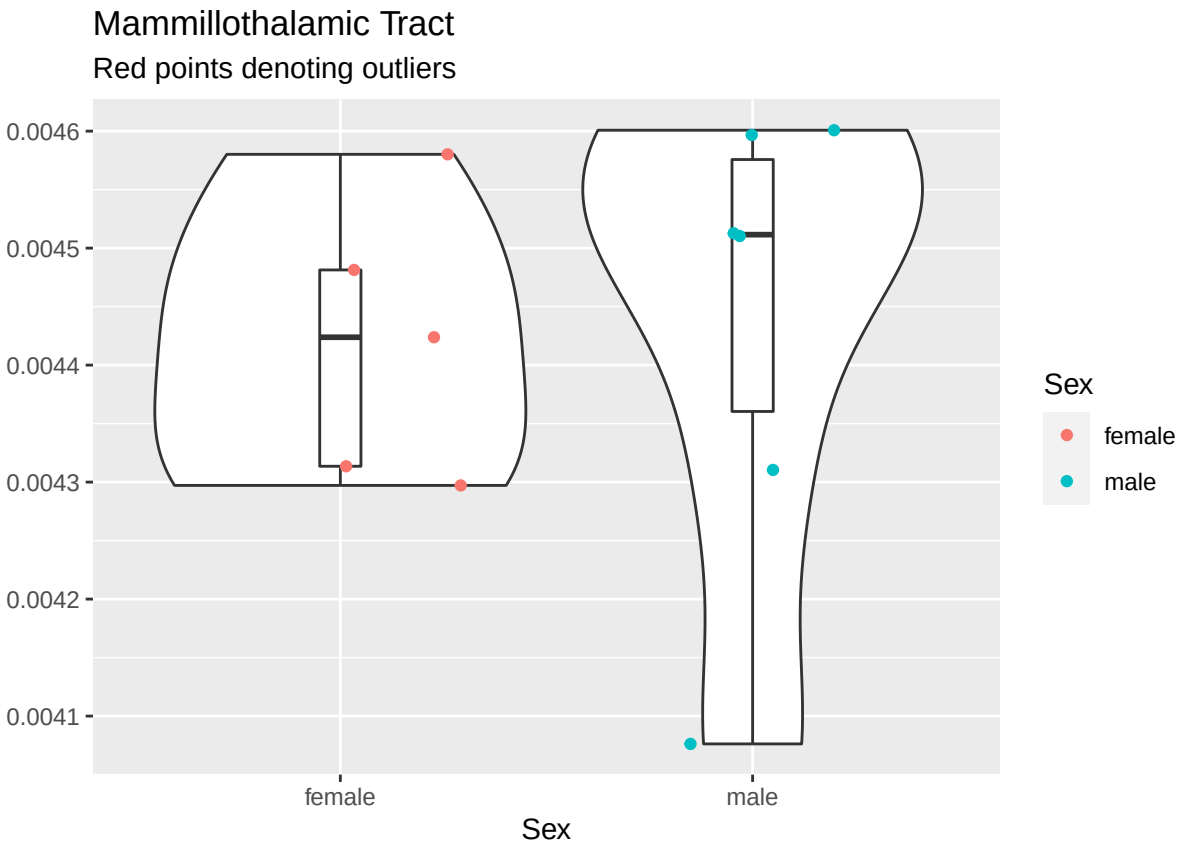



```
##             Df    Sum Sq  Mean Sq F value Pr(>F)
## Sex          1 8.690e-08 8.69e-08   10.34 0.0106 *
## Residuals    9 7.564e-08 8.40e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

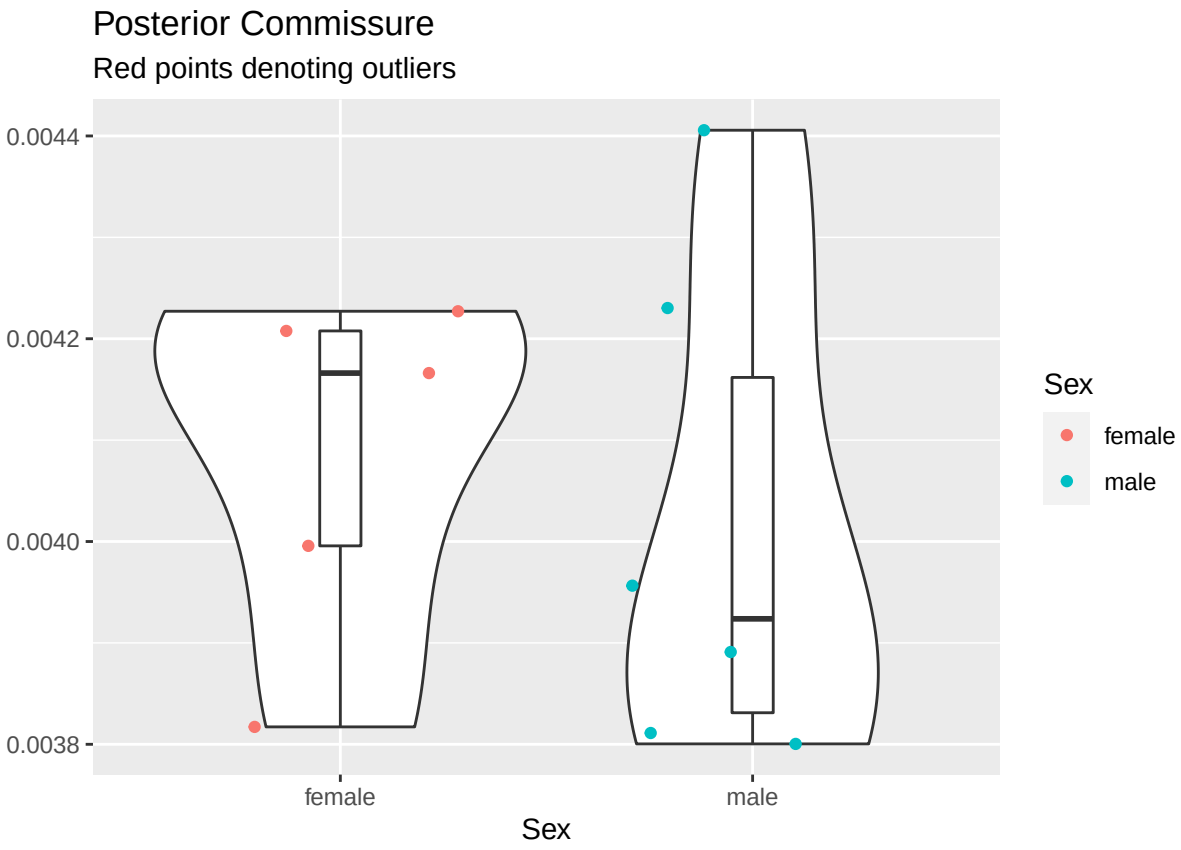



```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 1.122e-08 1.122e-08   0.342  0.573
## Residuals     9 2.957e-07 3.285e-08
```

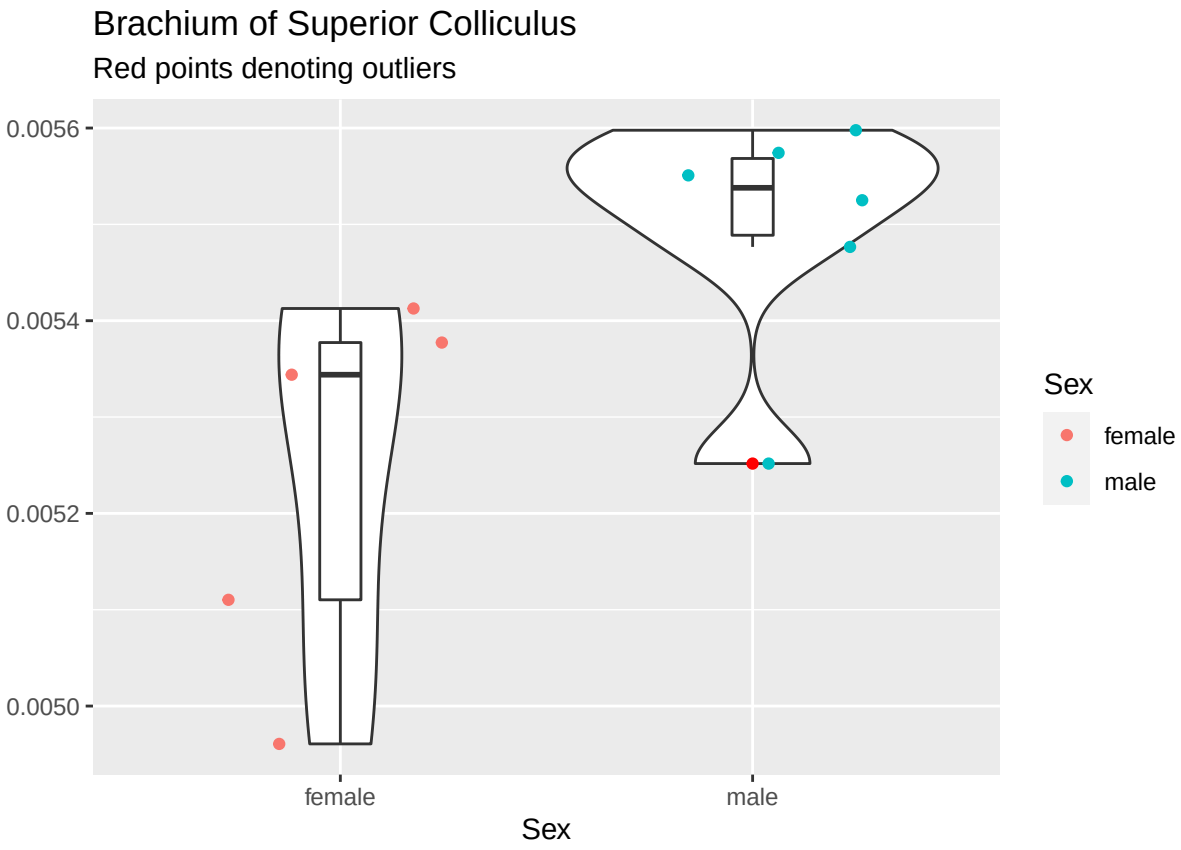

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 7.000e-11 7.100e-11   0.004  0.952
## Residuals     9 1.662e-07 1.847e-08
```



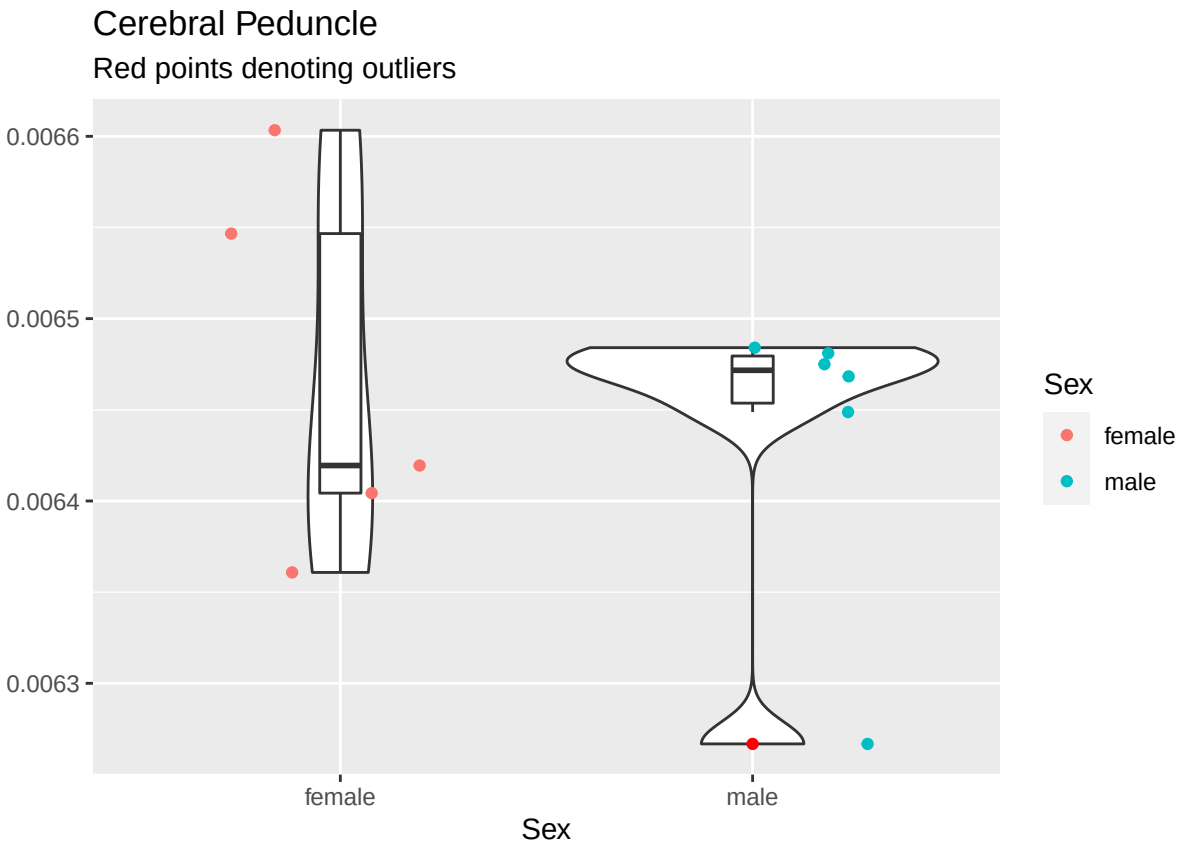

```
##              Df    Sum Sq  Mean Sq F value Pr(>F)
## Sex           1 6.400e-10 6.39e-10   0.022  0.886
## Residuals     9 2.655e-07 2.95e-08
```



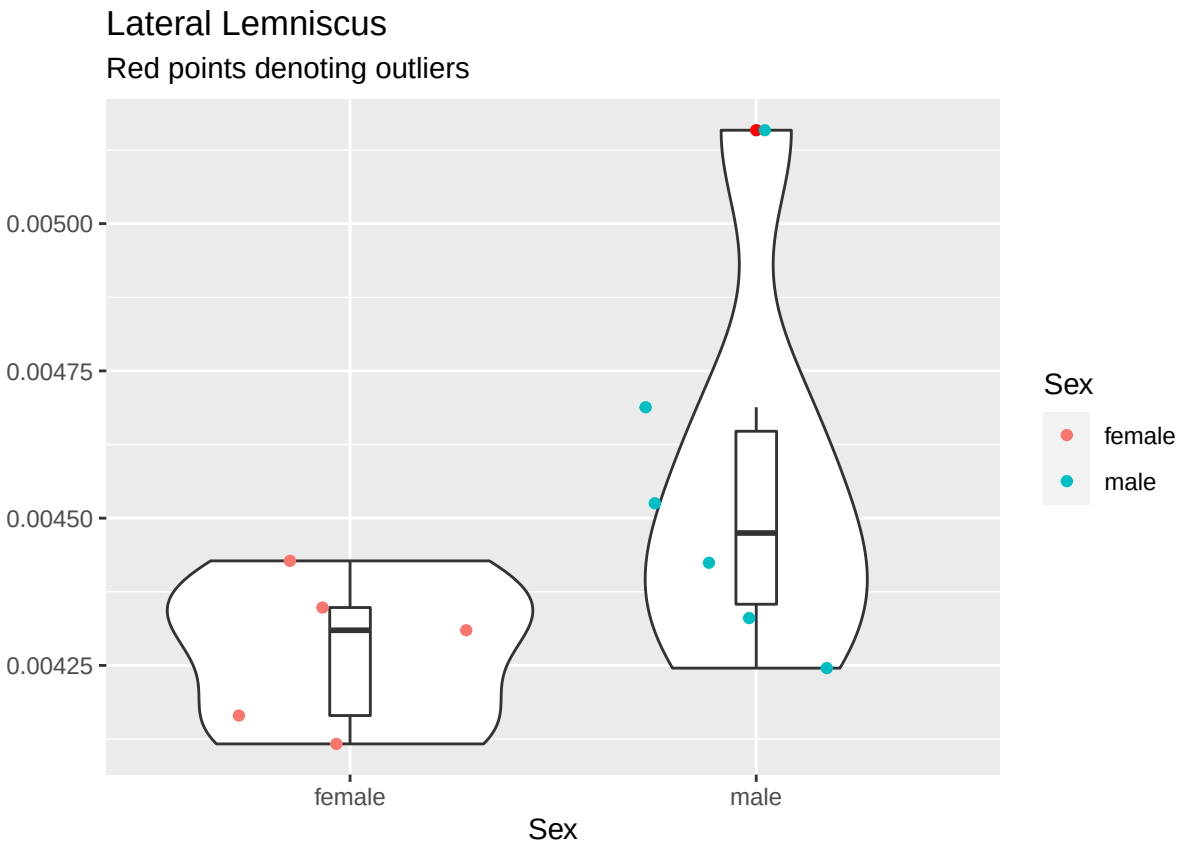

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.220e-08 1.222e-08   0.258  0.624
## Residuals    9 4.269e-07 4.743e-08
```



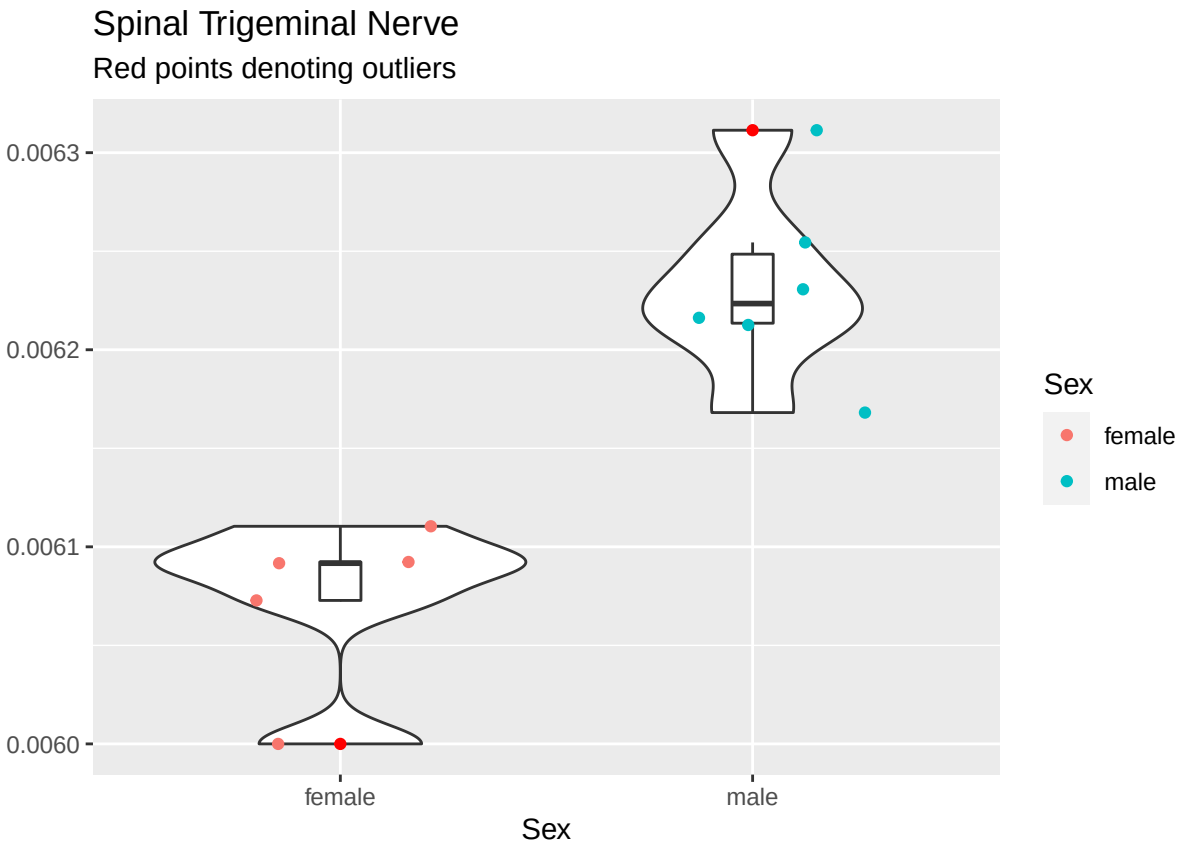

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.774e-07 1.774e-07   6.803 0.0283 *
## Residuals    9 2.347e-07 2.608e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



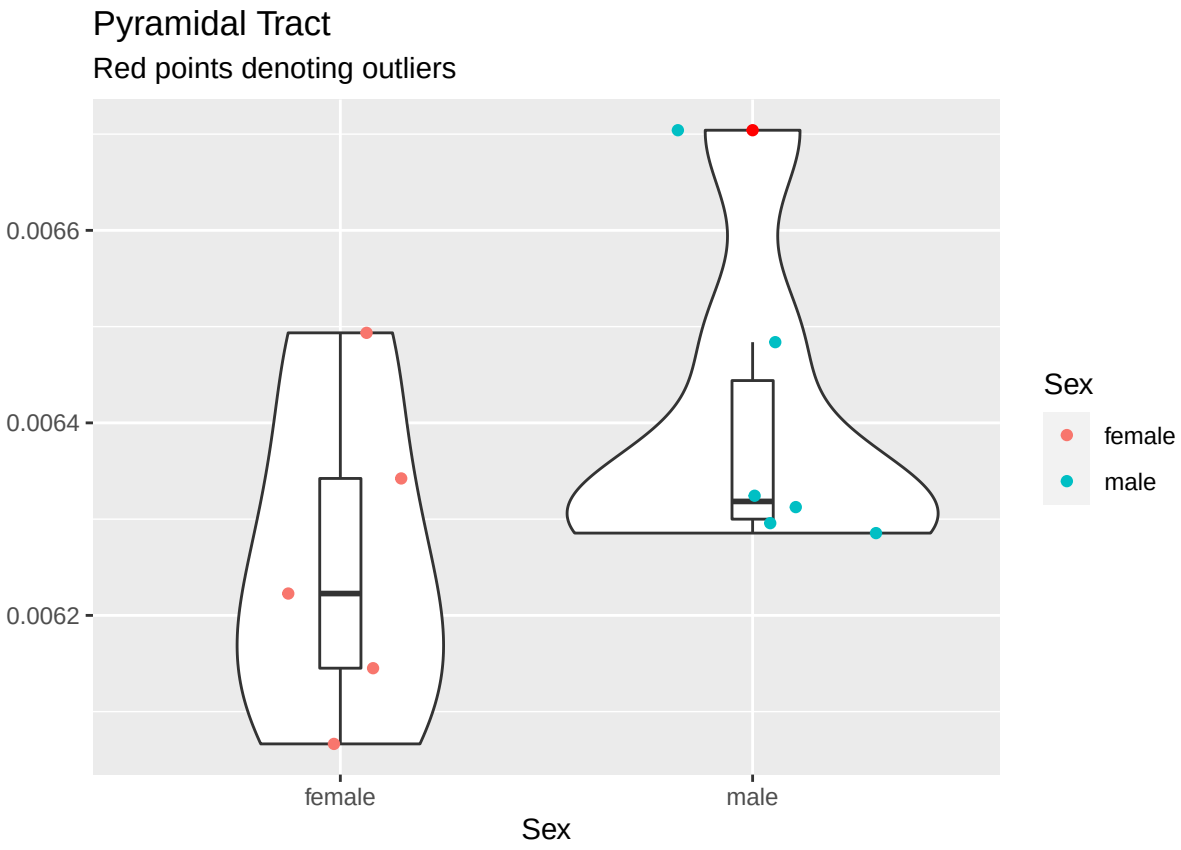

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.390e-09 2.386e-09   0.275  0.613
## Residuals    9 7.809e-08 8.677e-09
```



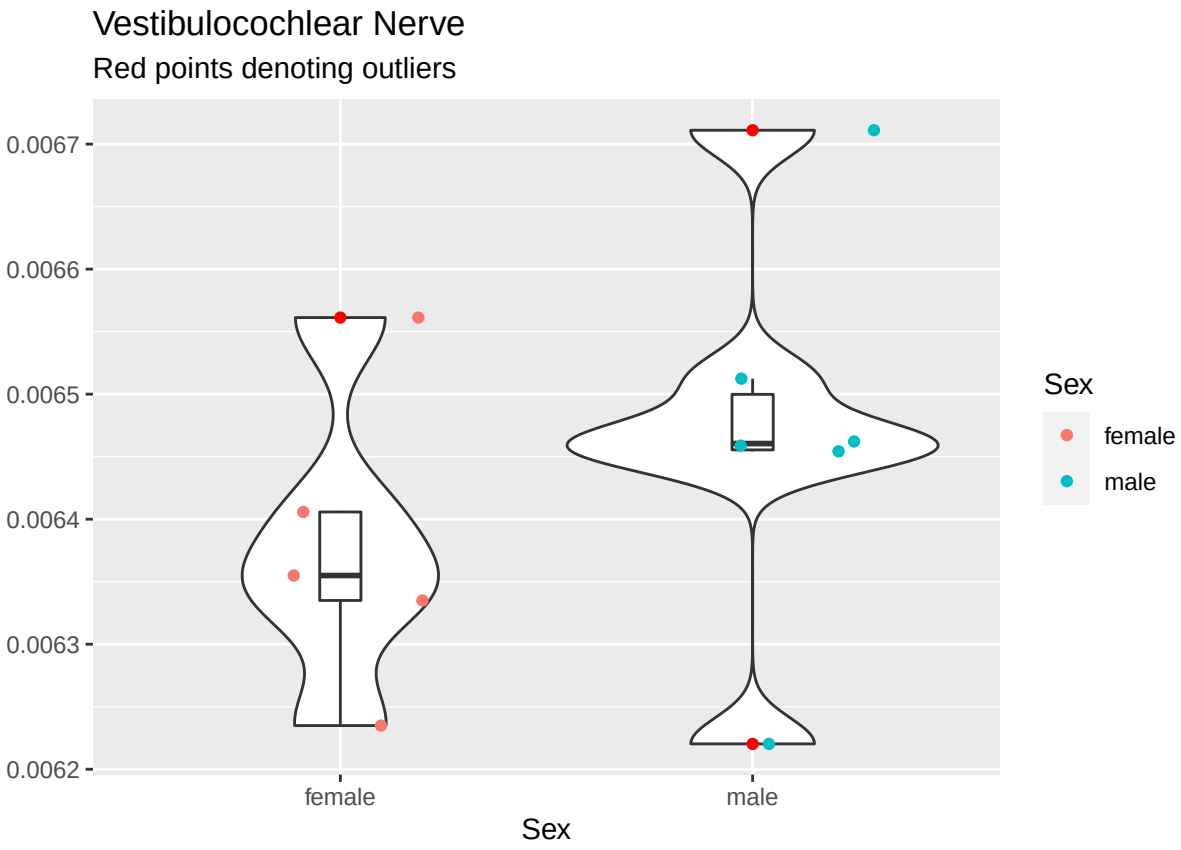

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.272e-07 2.272e-07   3.335  0.101
## Residuals    9 6.131e-07 6.812e-08
```



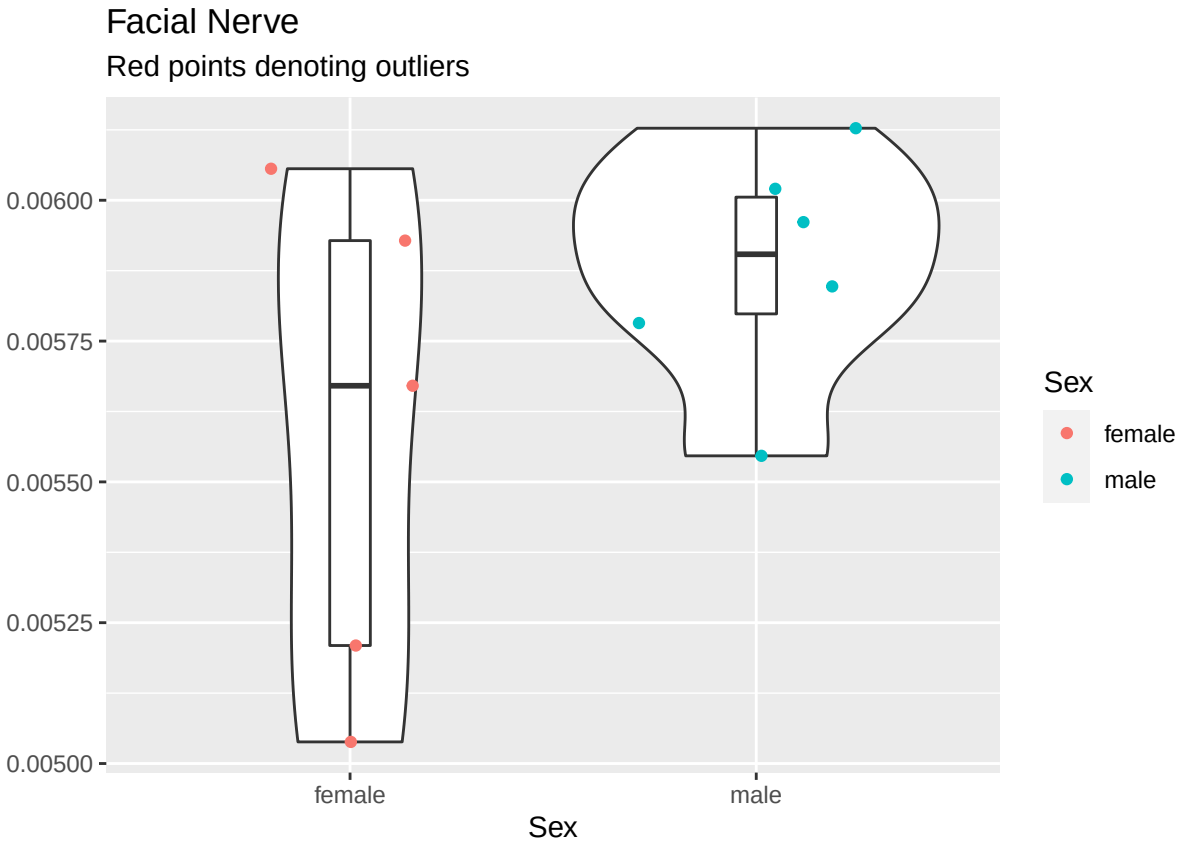

```
##             Df    Sum Sq   Mean Sq F value  Pr(>F)
## Sex          1 6.877e-08 6.877e-08   32.63 0.00029 ***
## Residuals    9 1.897e-08 2.110e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



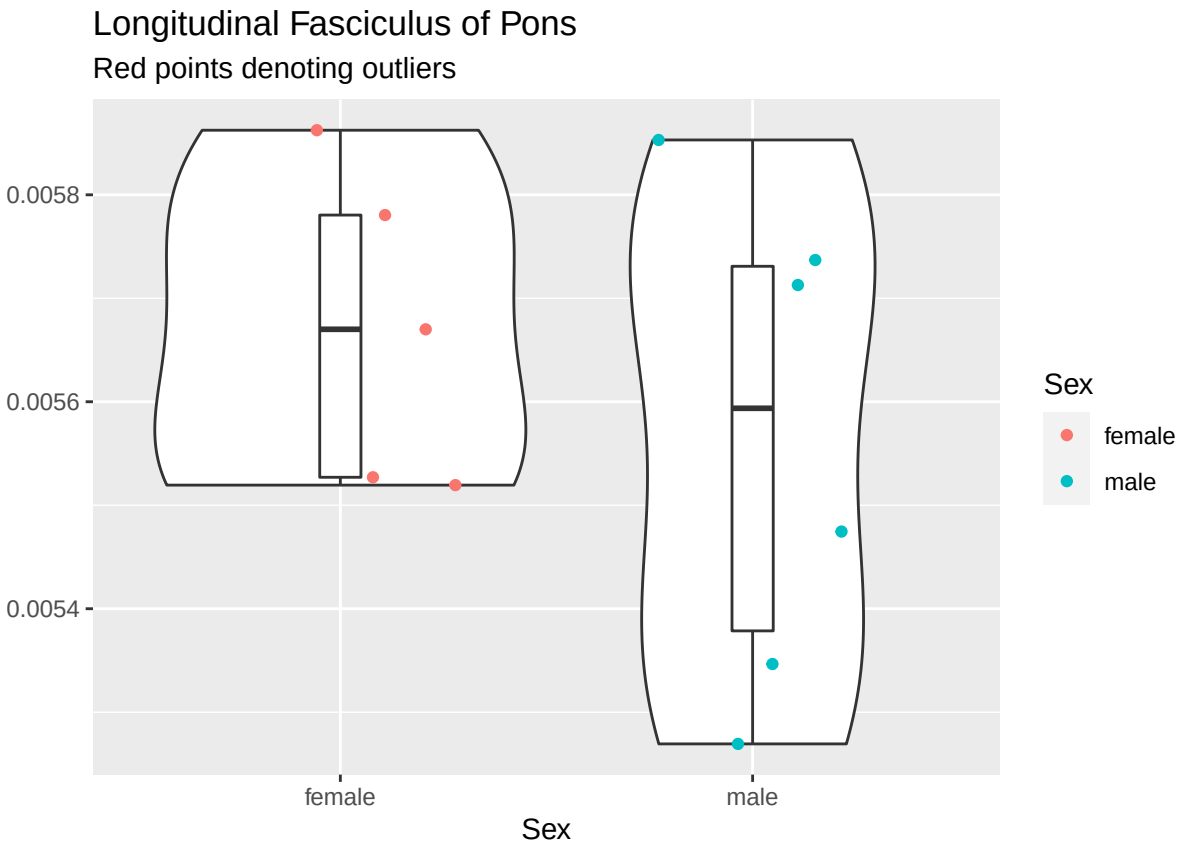

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.891e-08 5.891e-08   2.121  0.179
## Residuals    9 2.500e-07 2.778e-08
```



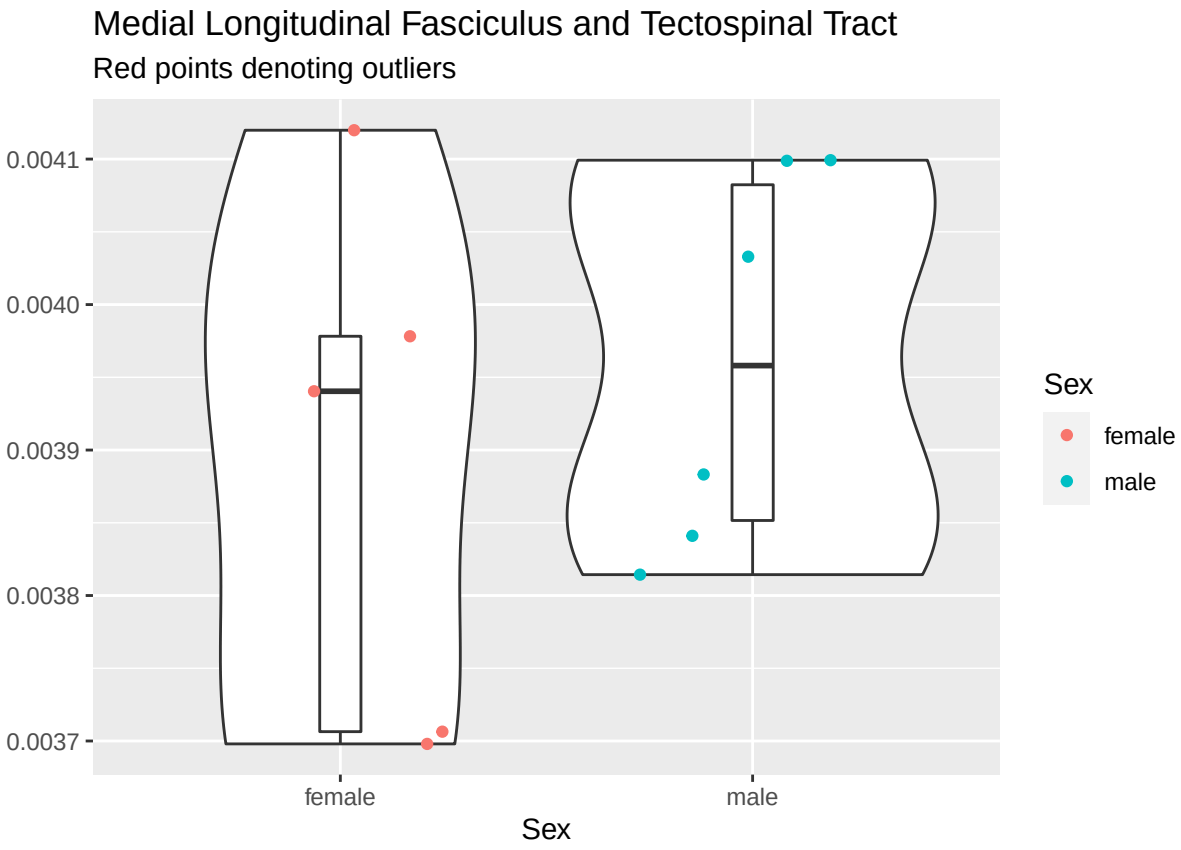

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.282e-08 2.282e-08   1.141  0.313
## Residuals    9 1.799e-07 2.000e-08
```



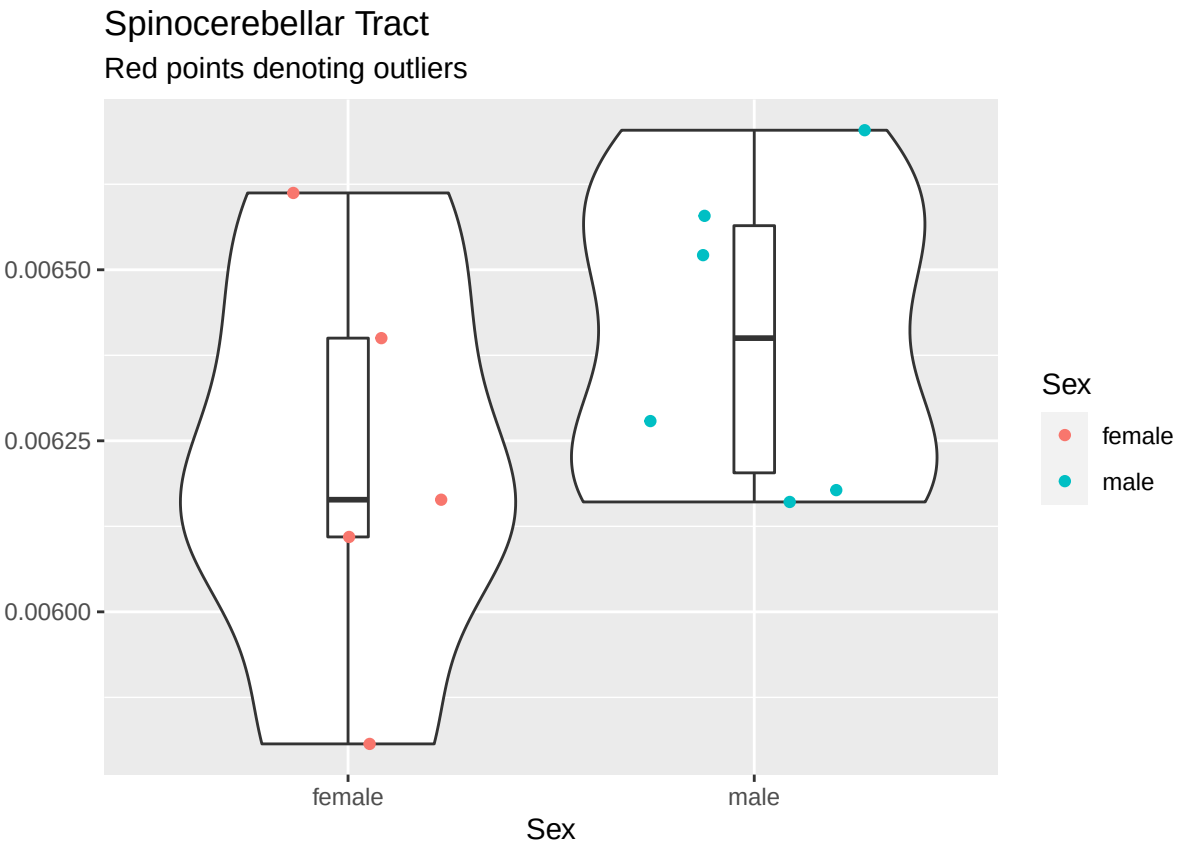

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.458e-07 2.458e-07    2.22   0.17
## Residuals    9 9.966e-07 1.107e-07
```



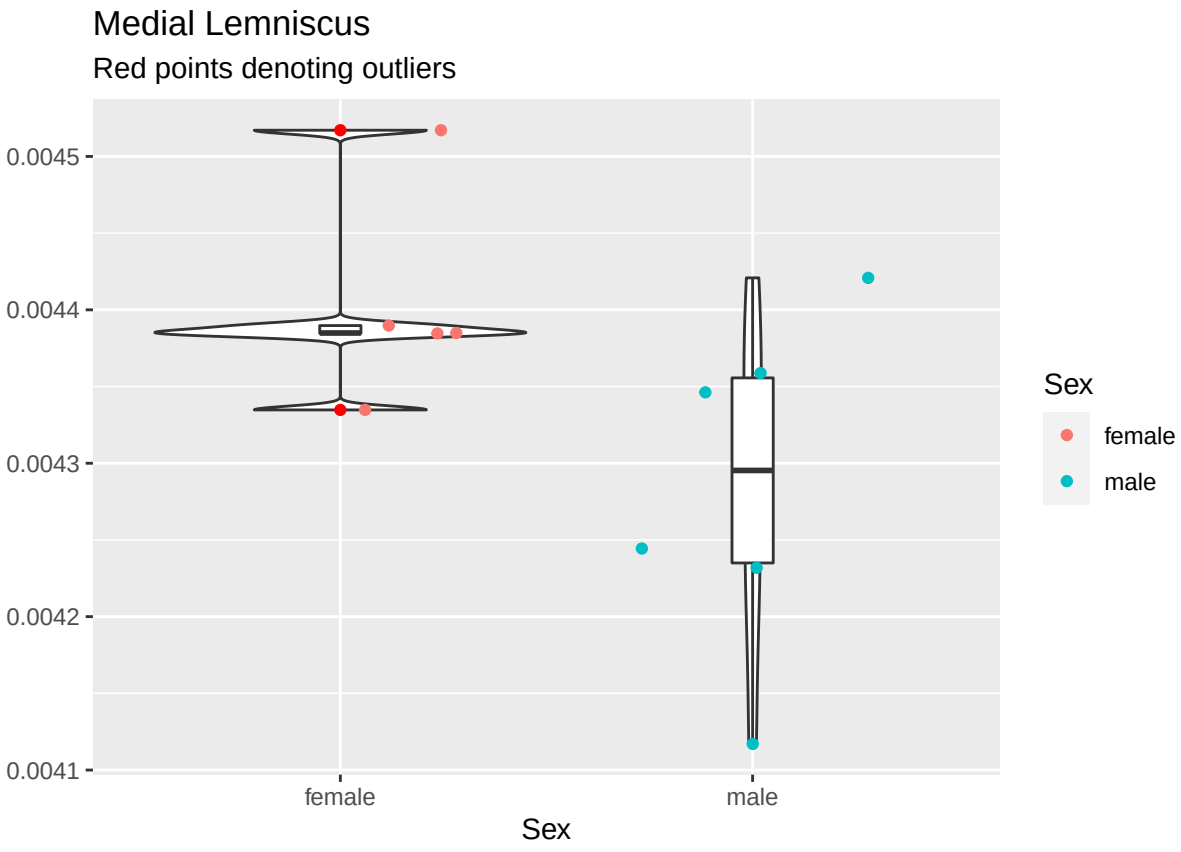

```
##             Df   Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.08e-08 3.083e-08    0.75  0.409
## Residuals    9 3.70e-07 4.111e-08
```



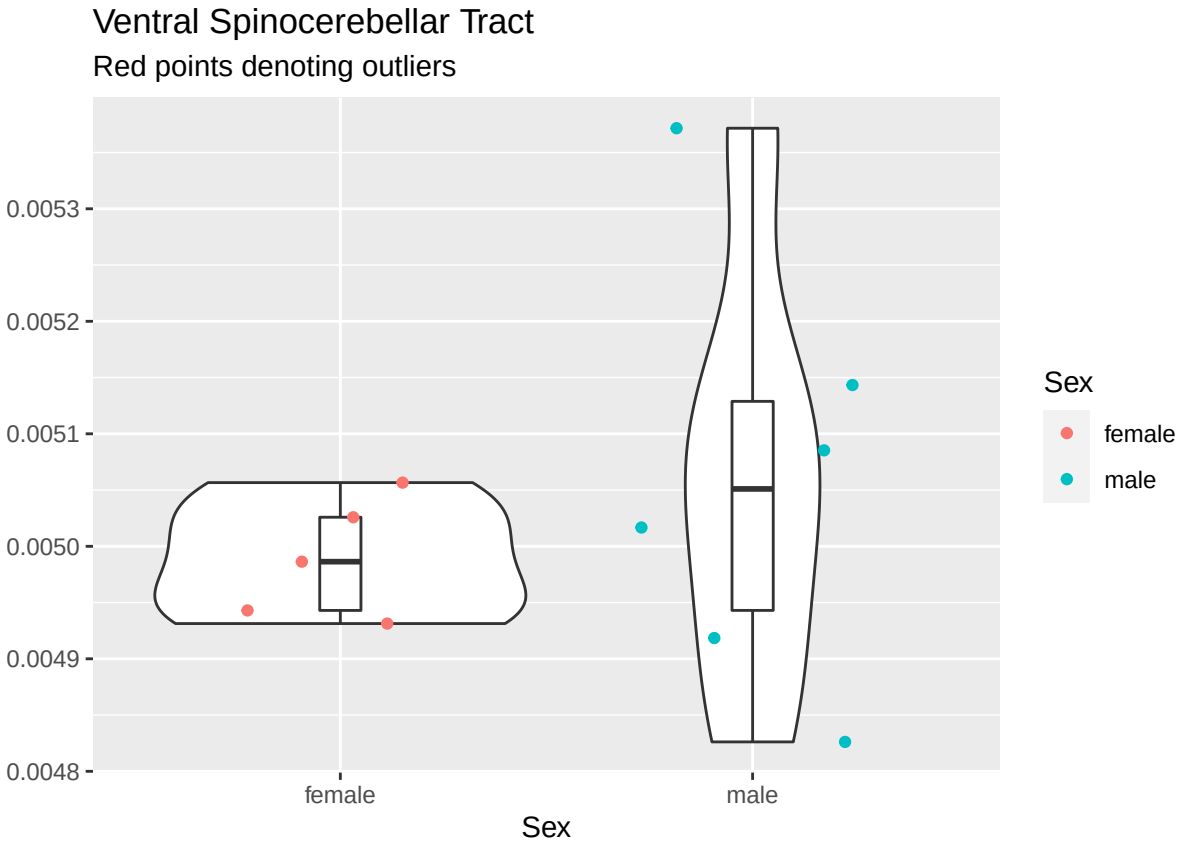

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.454e-08 1.454e-08   0.598  0.459
## Residuals    9 2.189e-07 2.433e-08
```



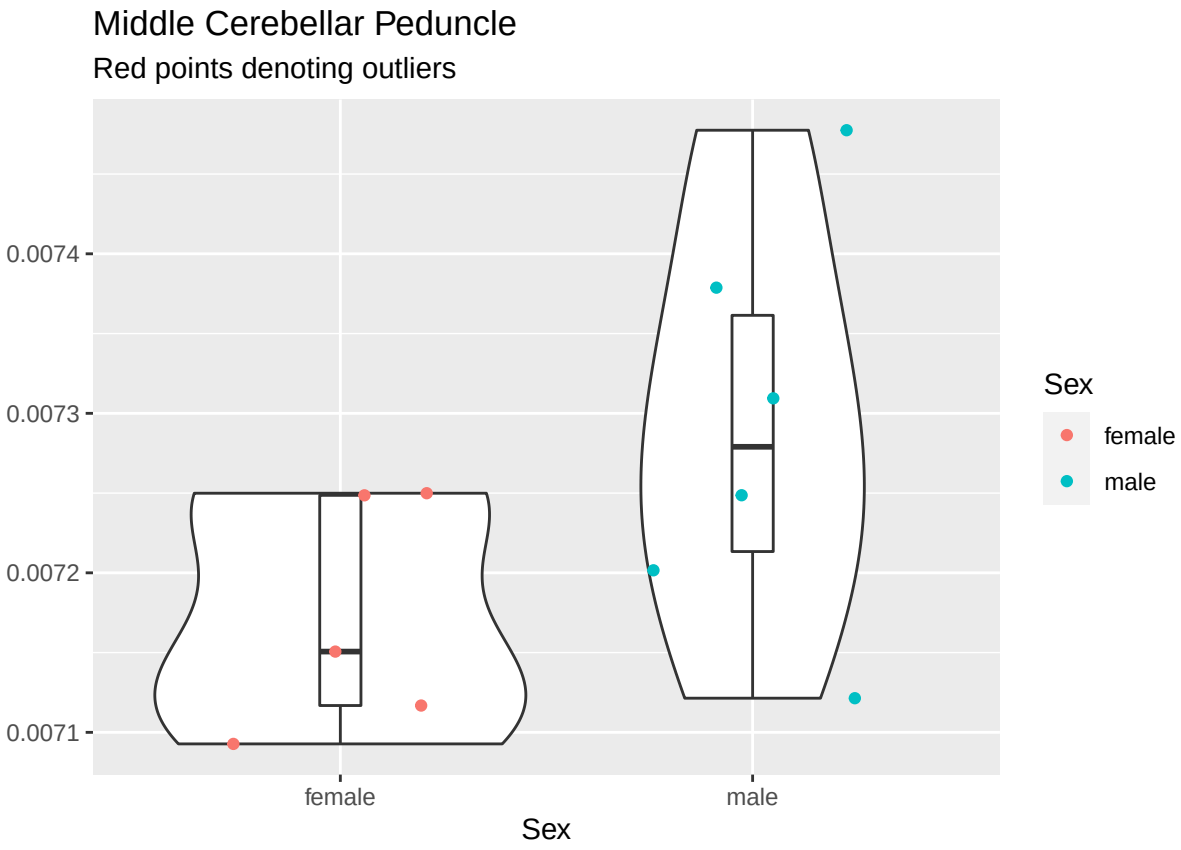

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 9.340e-08 9.339e-08   1.329  0.279
## Residuals    9 6.326e-07 7.029e-08
```



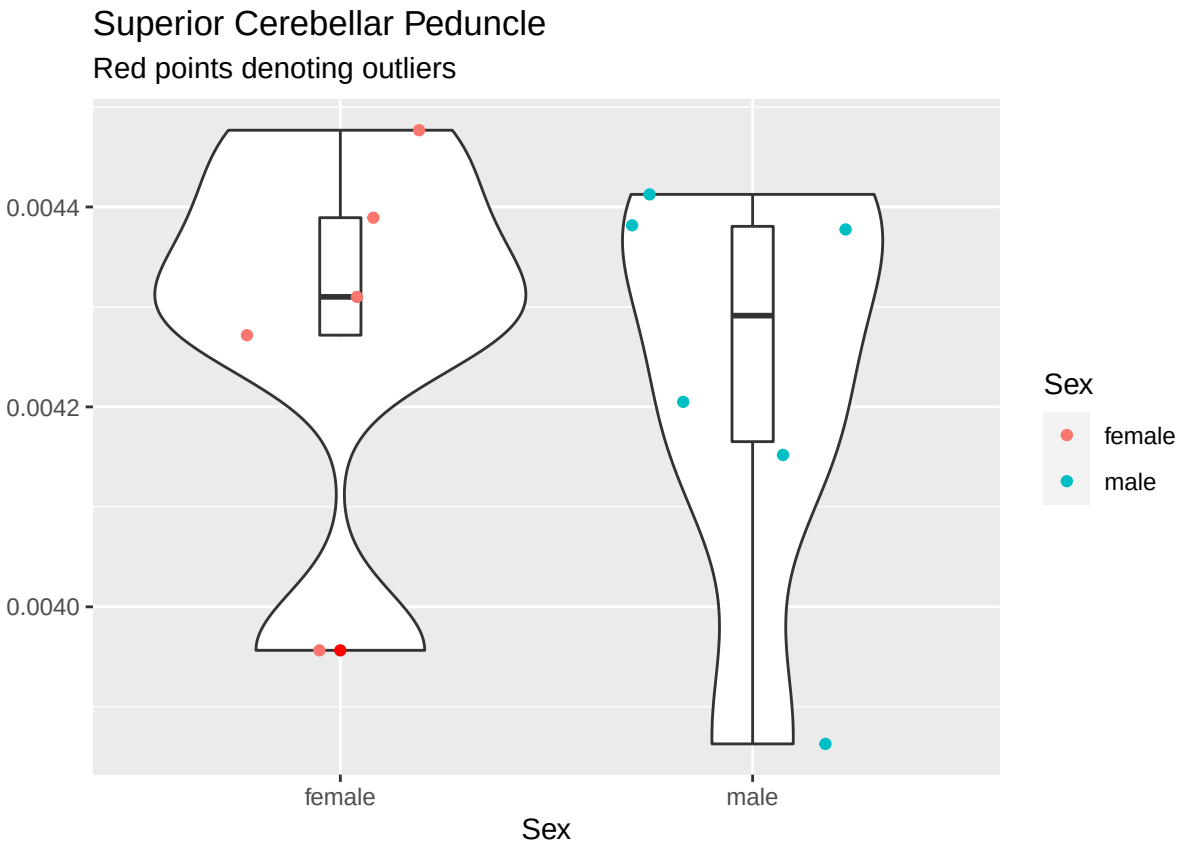

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.651e-08 3.651e-08   4.169 0.0716 .
## Residuals    9 7.882e-08 8.760e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



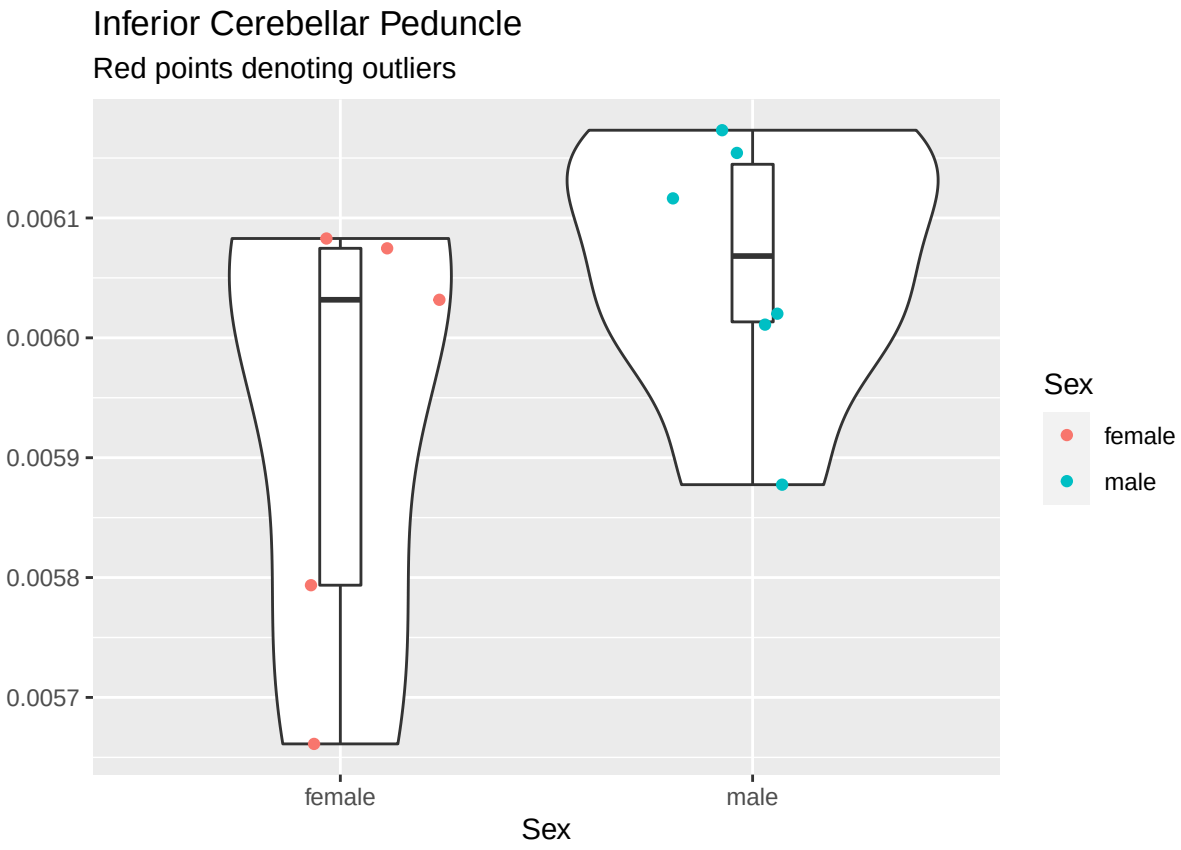

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.400e-08 1.400e-08   0.654   0.44
## Residuals    9 1.927e-07 2.141e-08
```



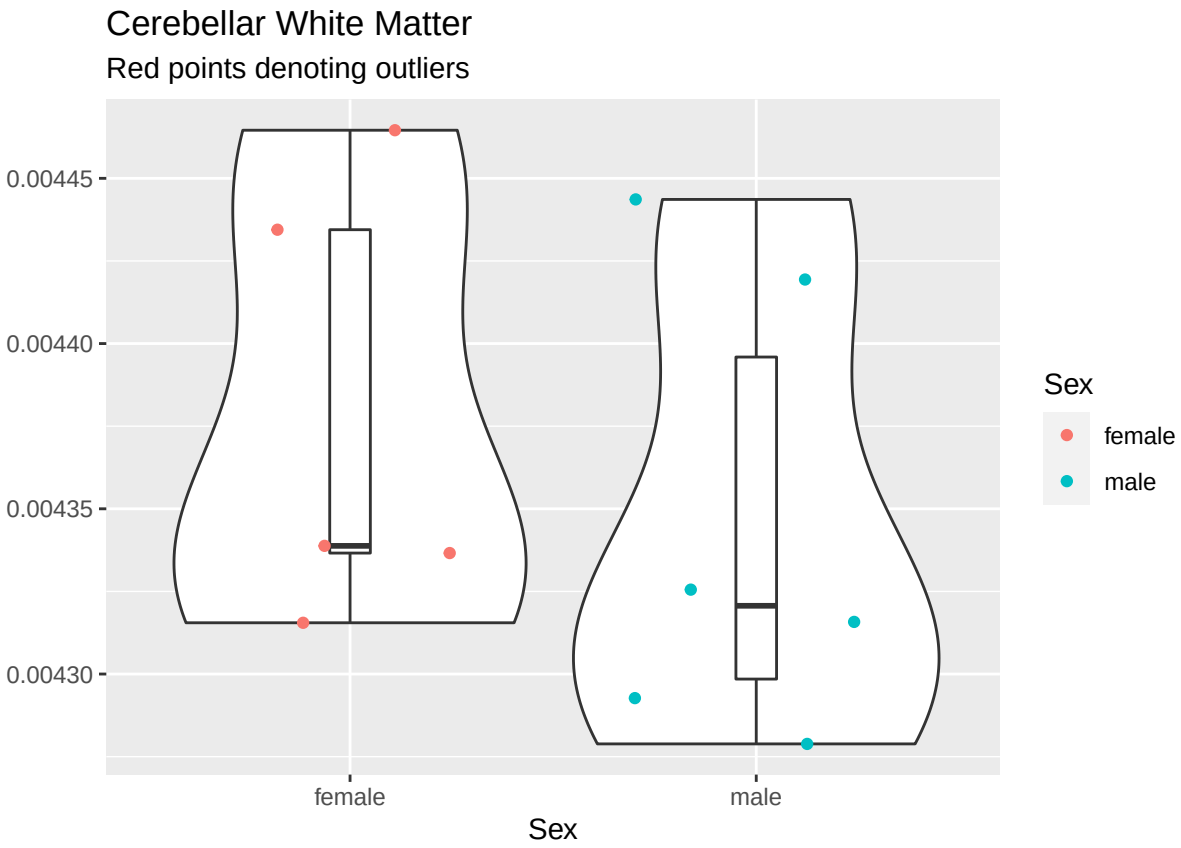

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.785e-08 3.785e-08   3.305  0.102
## Residuals    9 1.031e-07 1.145e-08
```



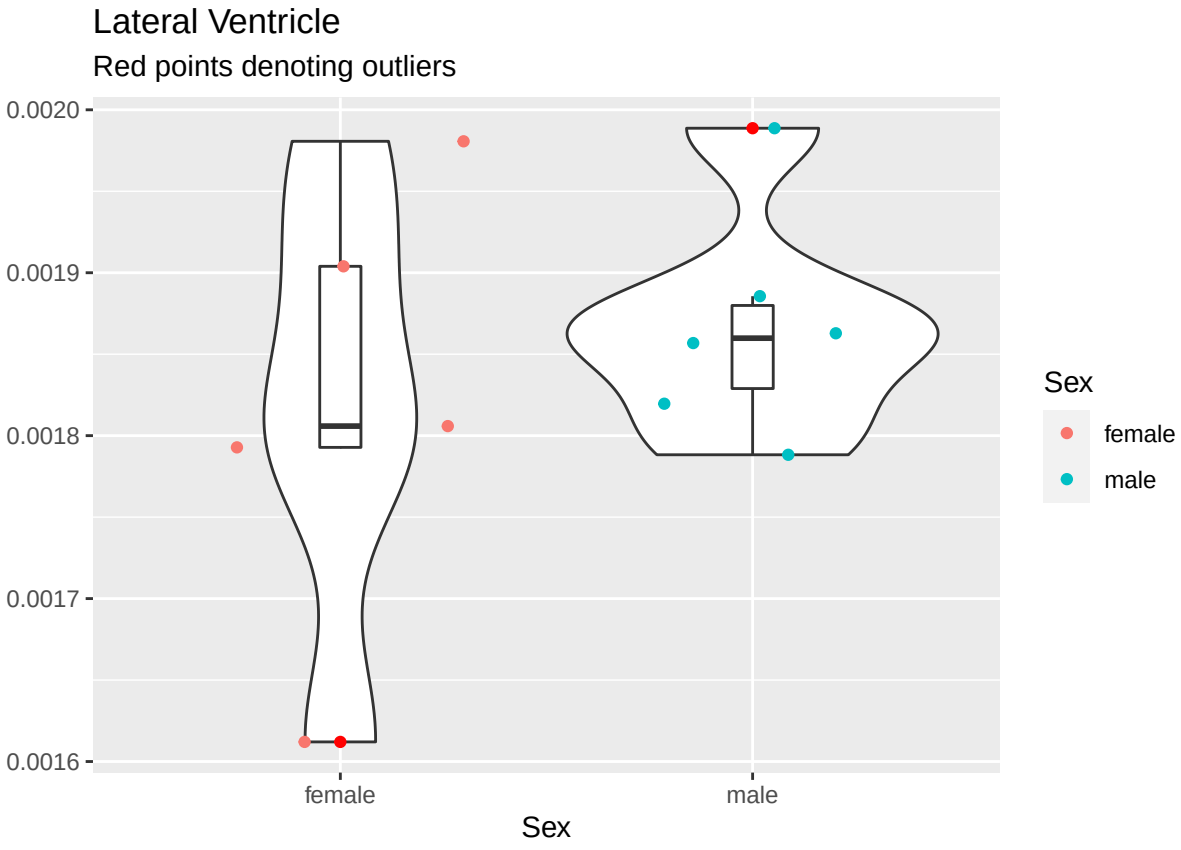

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 6.500e-09 6.530e-09   0.156  0.702
## Residuals    9 3.758e-07 4.176e-08
```



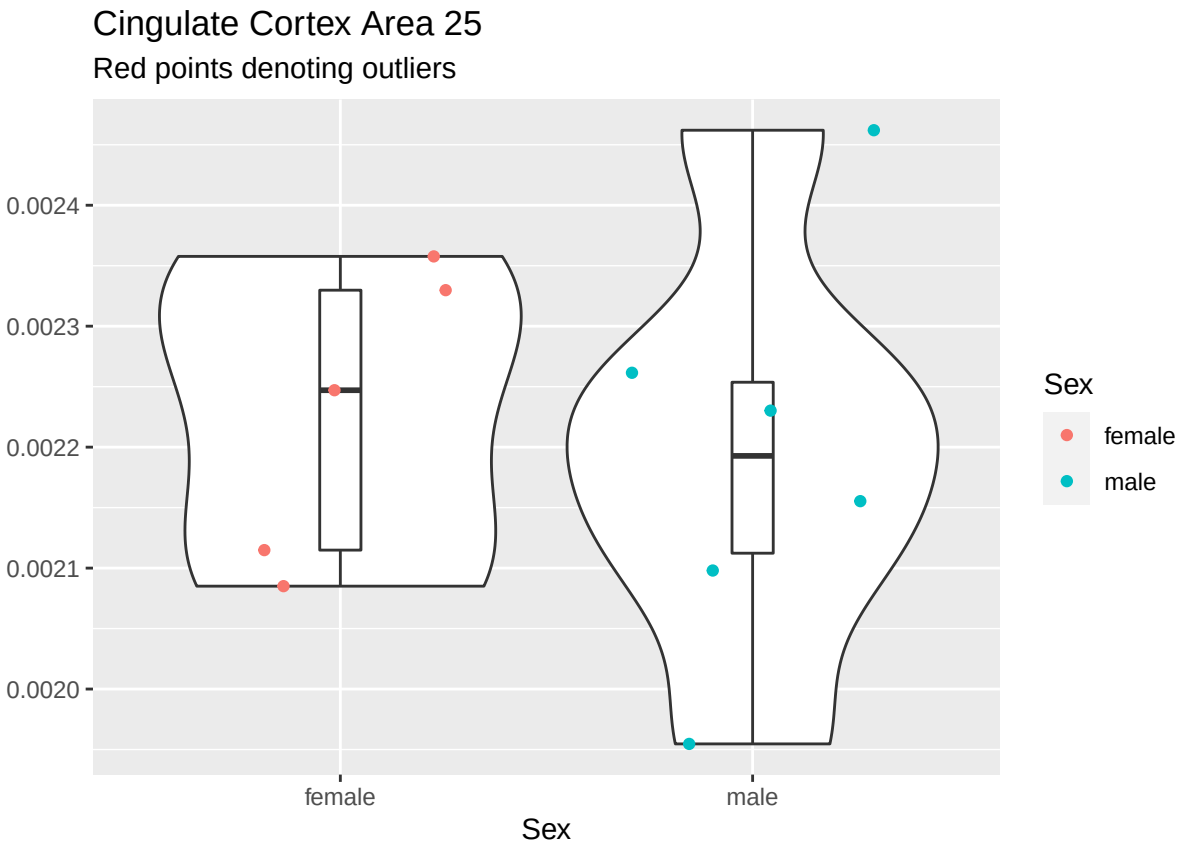

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.603e-08 4.603e-08   1.995  0.191
## Residuals    9 2.076e-07 2.307e-08
```



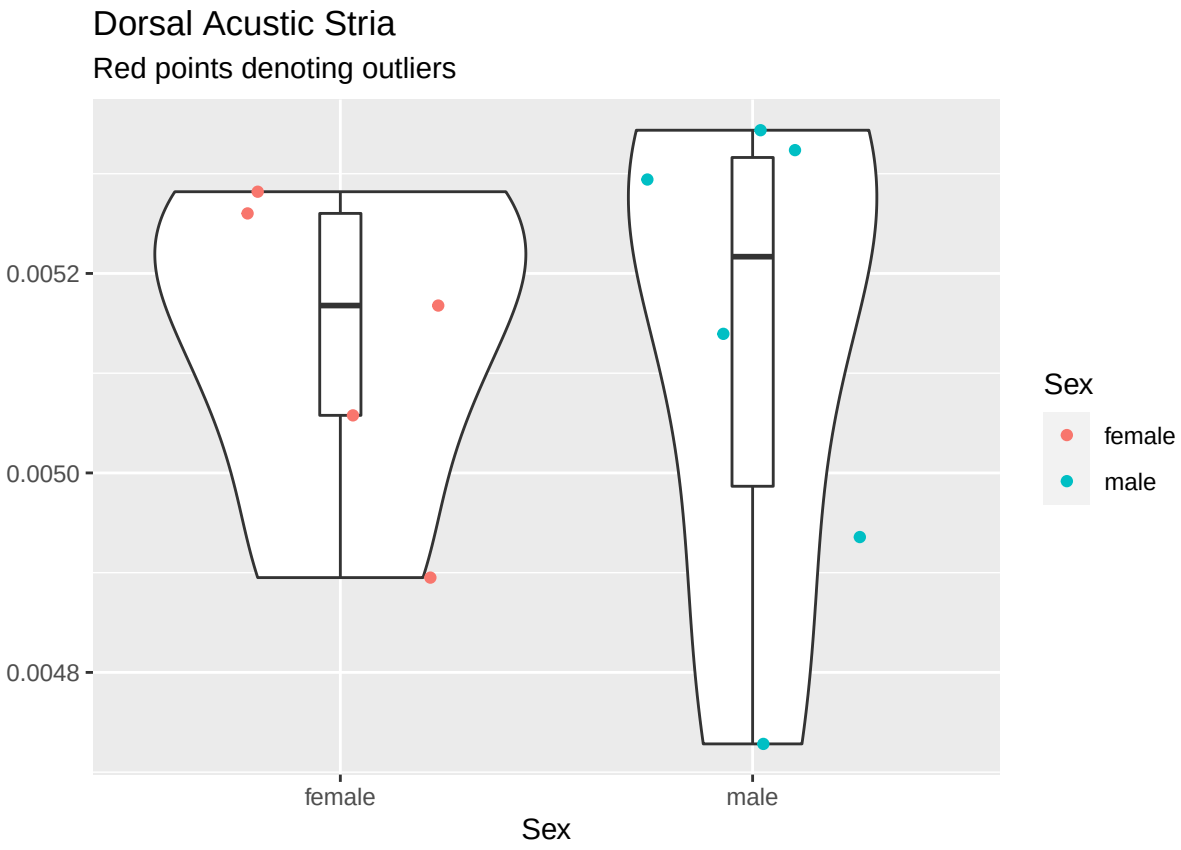

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.790e-09 2.793e-09   0.607  0.456
## Residuals    9 4.143e-08 4.603e-09
```



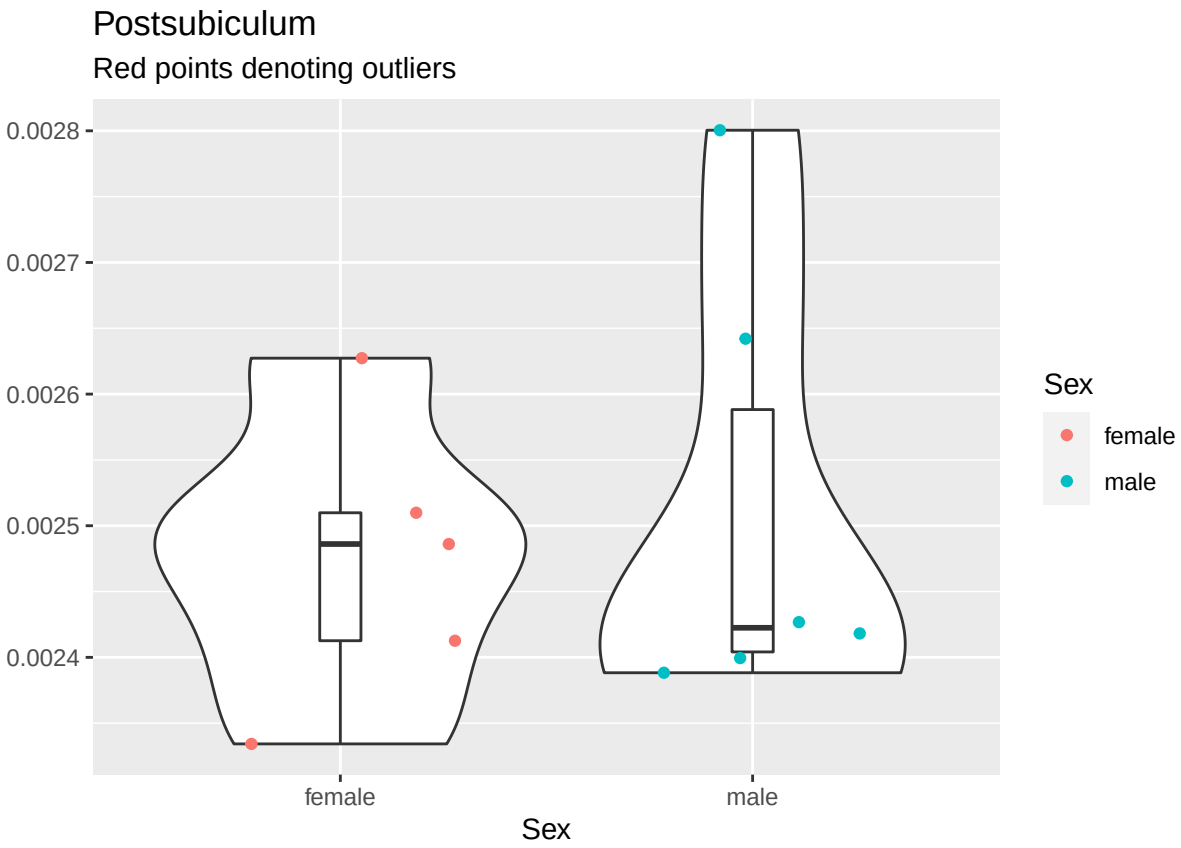

```
##              Df    Sum Sq  Mean Sq F value Pr(>F)
## Sex           1 6.260e-09 6.26e-09   0.559  0.474
## Residuals     9 1.008e-07 1.12e-08
```



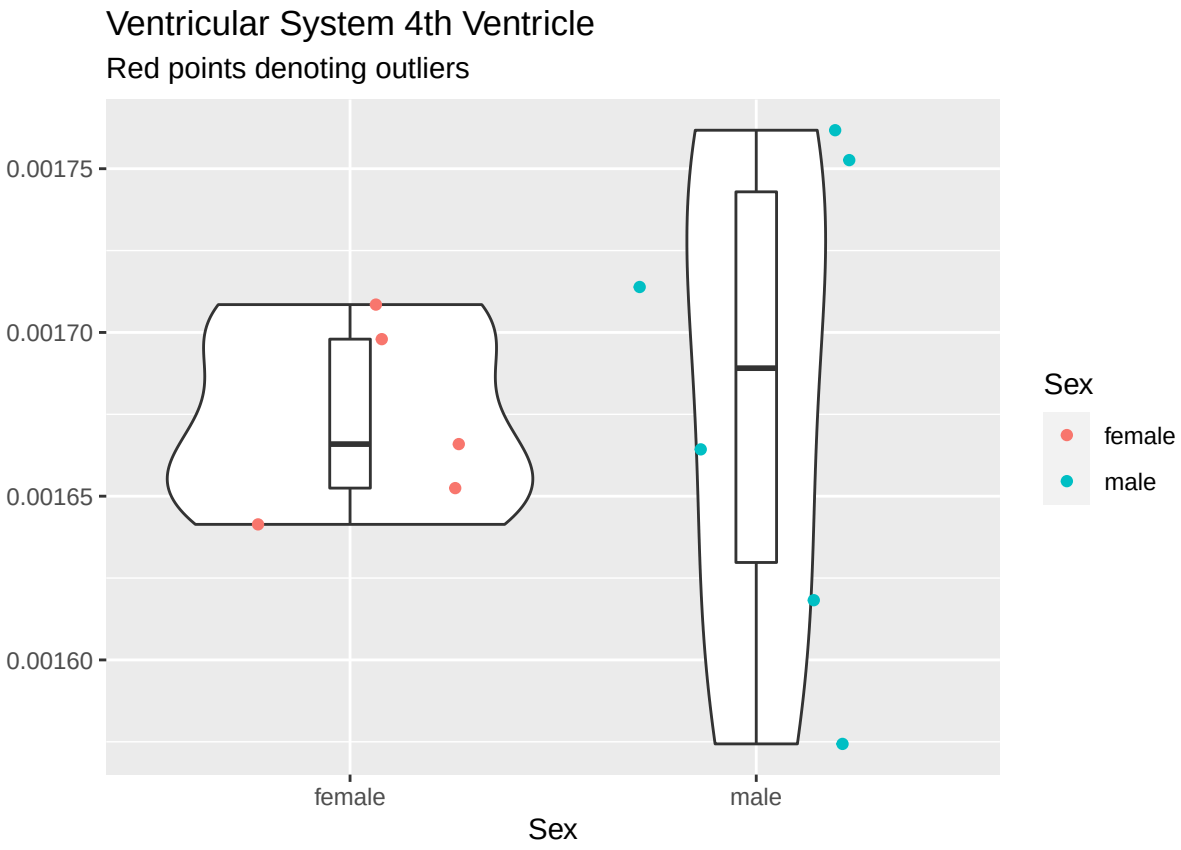

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.020e-09 3.022e-09   0.132  0.725
## Residuals    9 2.065e-07 2.294e-08
```



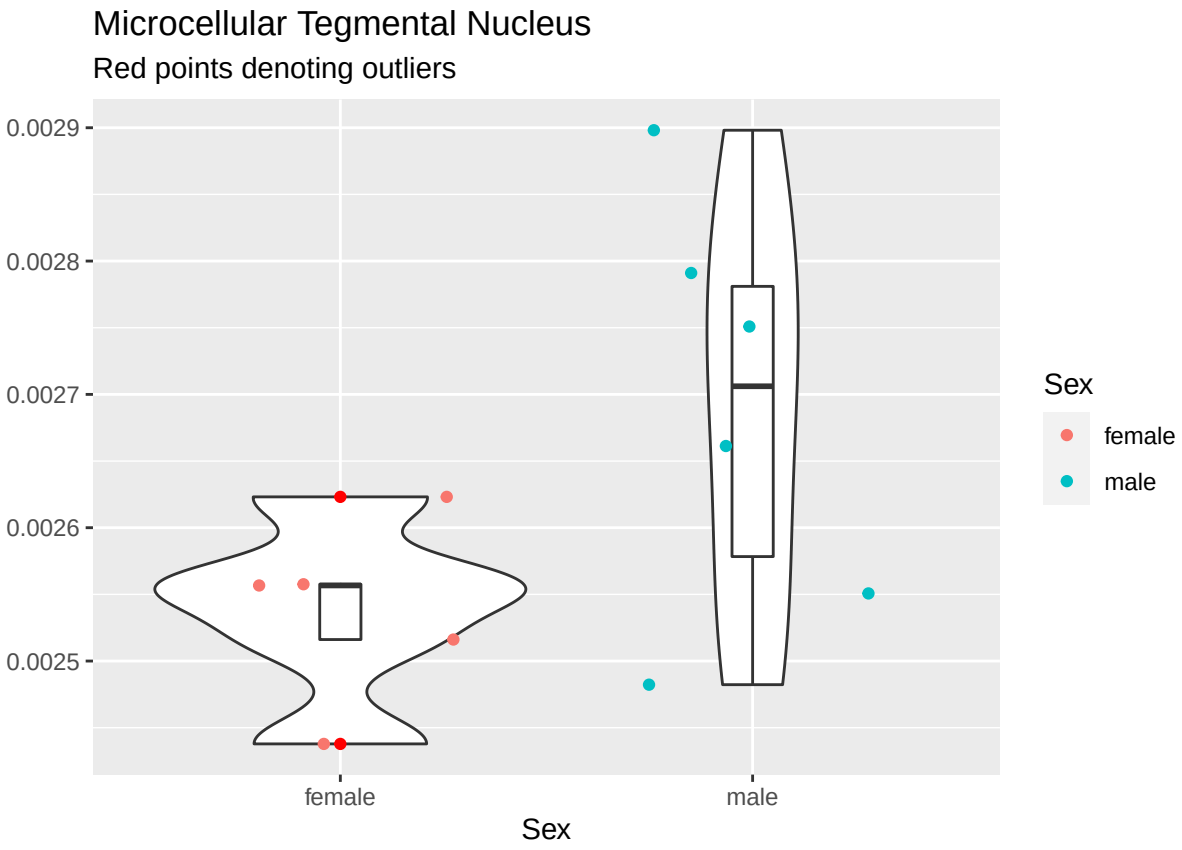

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.000e-10 7.000e-11   0.002   0.97
## Residuals    9 4.111e-07 4.568e-08
```



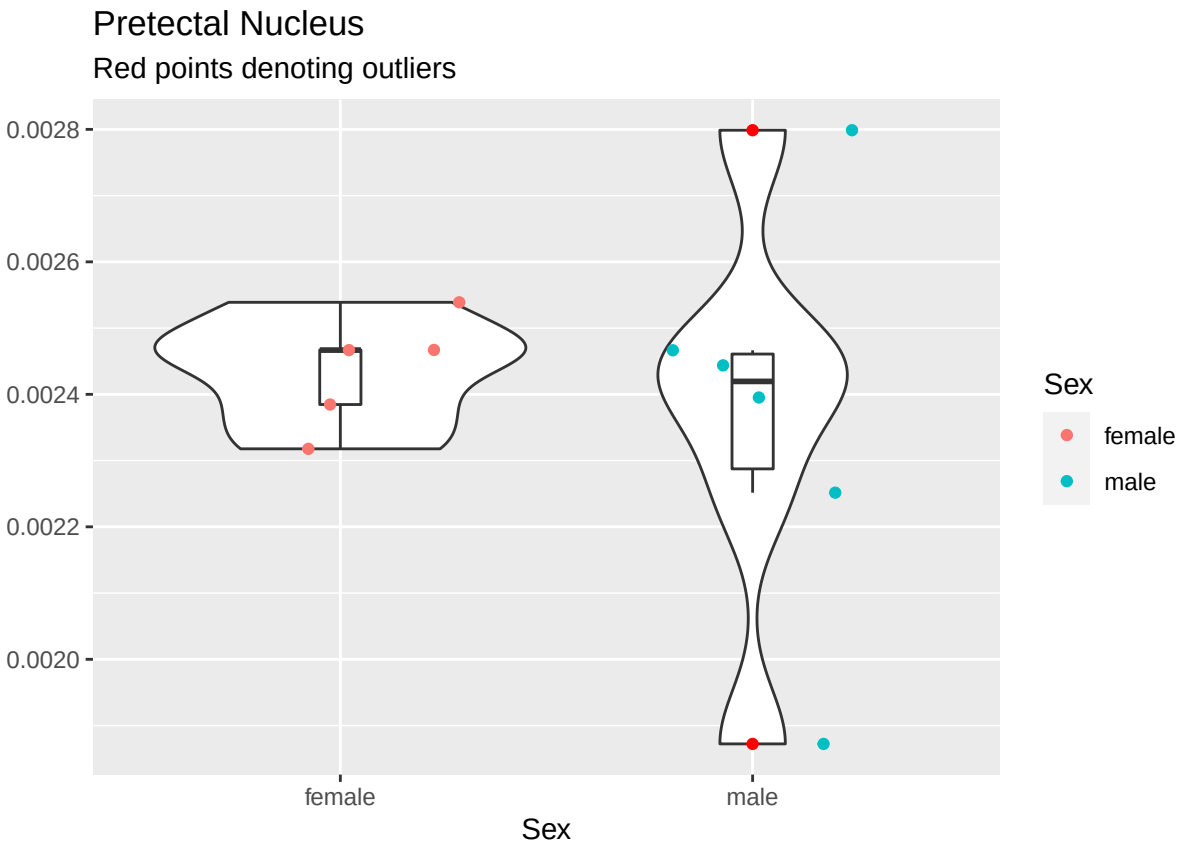

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 4.050e-09 4.046e-09   0.189  0.674
## Residuals     9 1.924e-07 2.138e-08
```



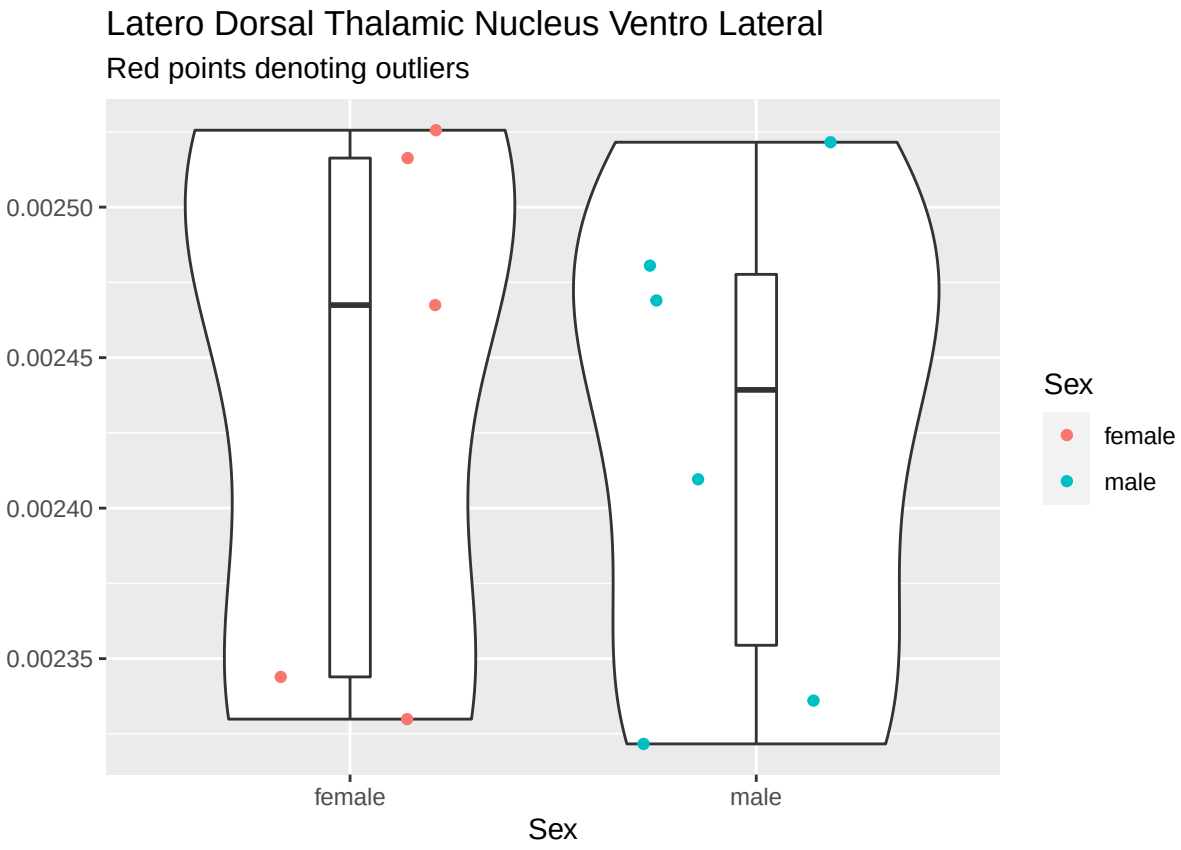

```
##             Df    Sum Sq  Mean Sq F value Pr(>F)
## Sex          1 1.600e-10 1.58e-10   0.045  0.837
## Residuals    9 3.168e-08 3.52e-09
```



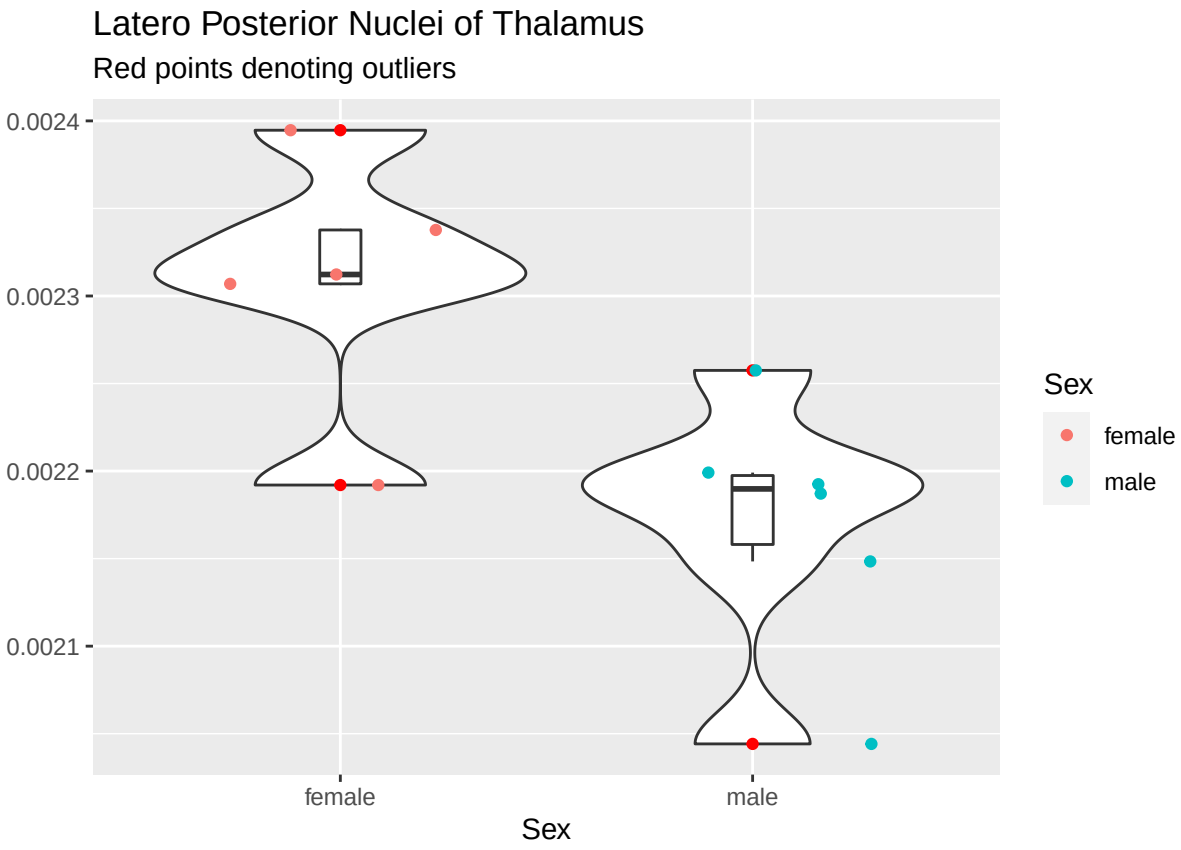

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 6.200e-08 6.200e-08   4.012 0.0762 .
## Residuals    9 1.391e-07 1.546e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



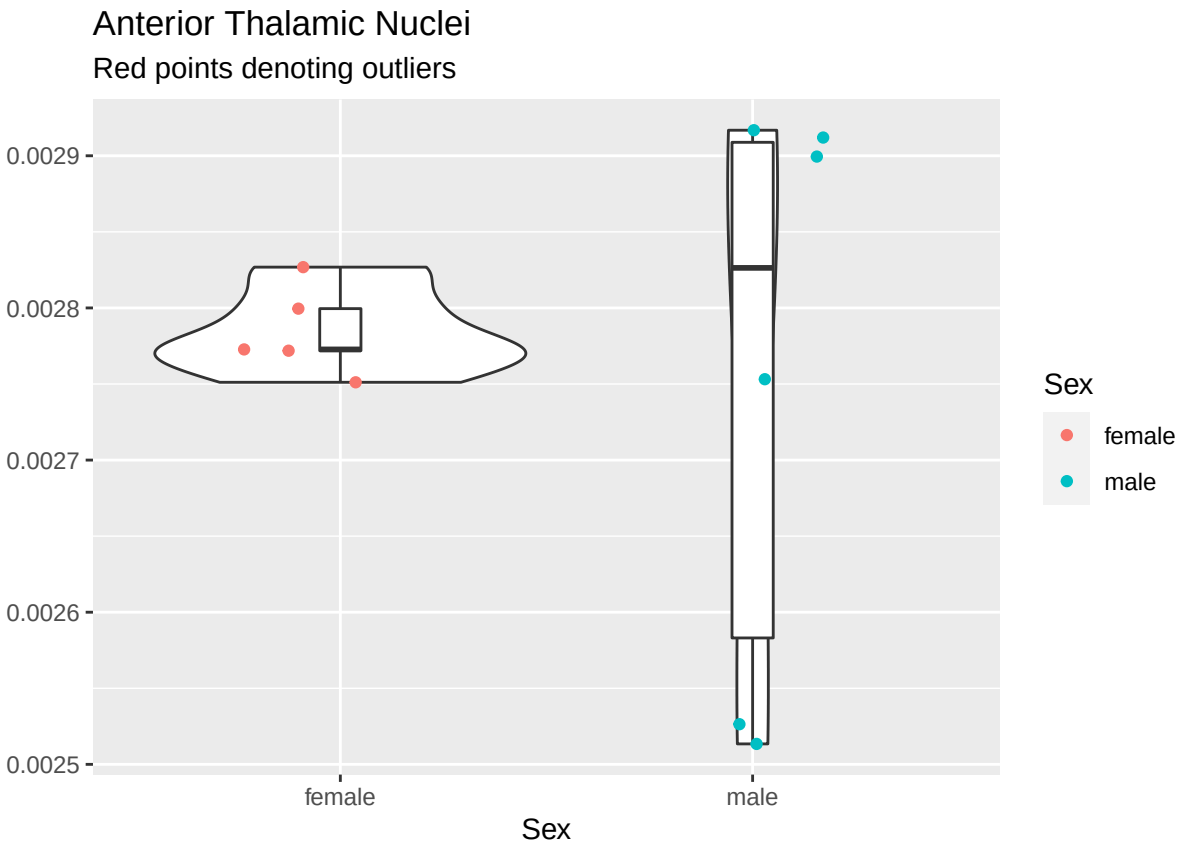

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.110e-08 1.105e-08   0.203  0.663
## Residuals    9 4.901e-07 5.445e-08
```



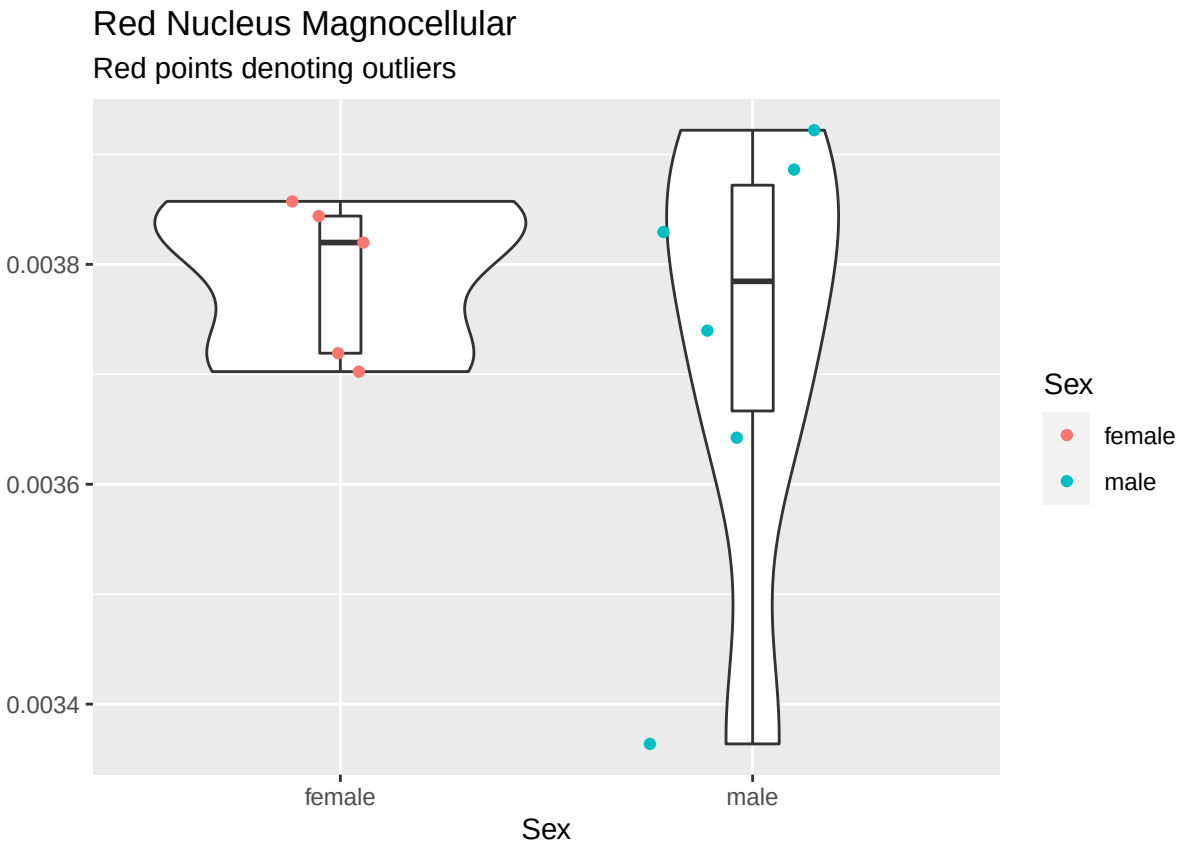

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 5.000e-10 5.010e-10   0.066  0.803
## Residuals     9 6.834e-08 7.594e-09
```



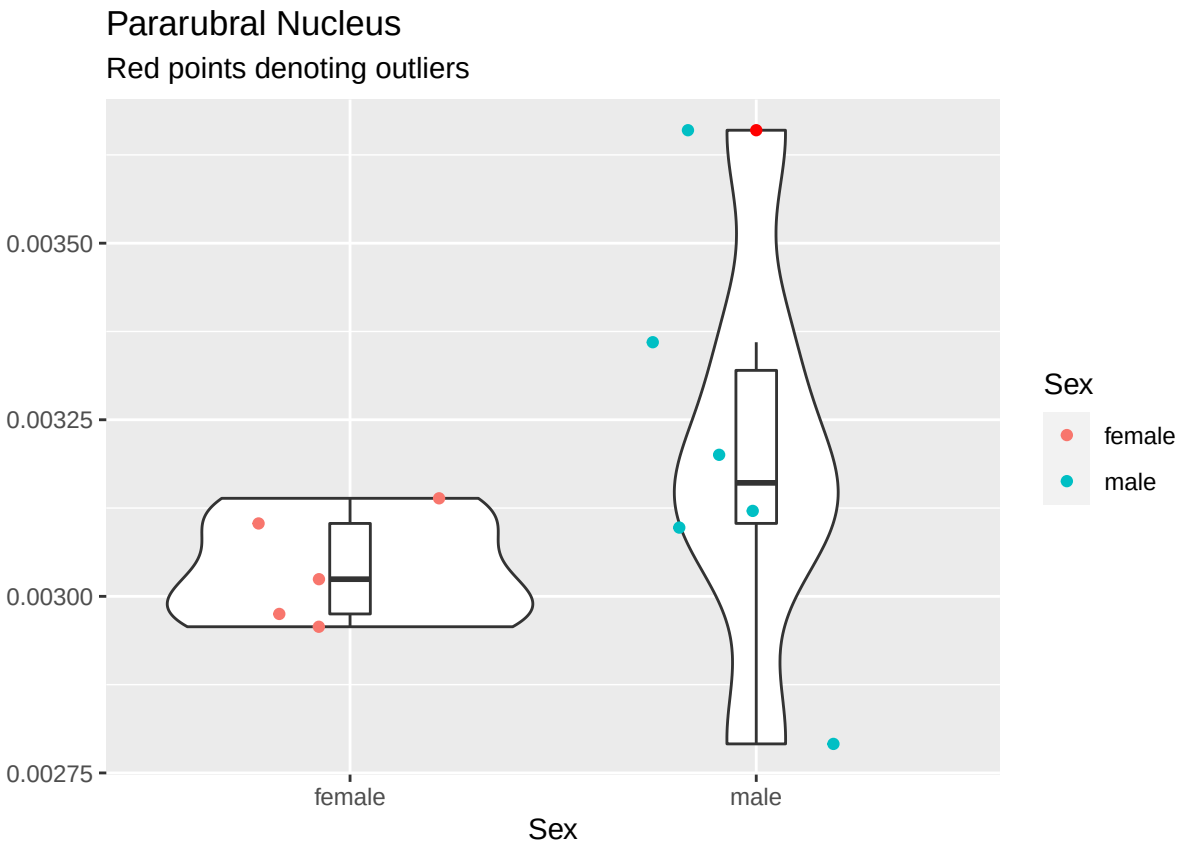

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.138e-08 5.138e-08   9.744 0.0123 *
## Residuals    9 4.745e-08 5.270e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



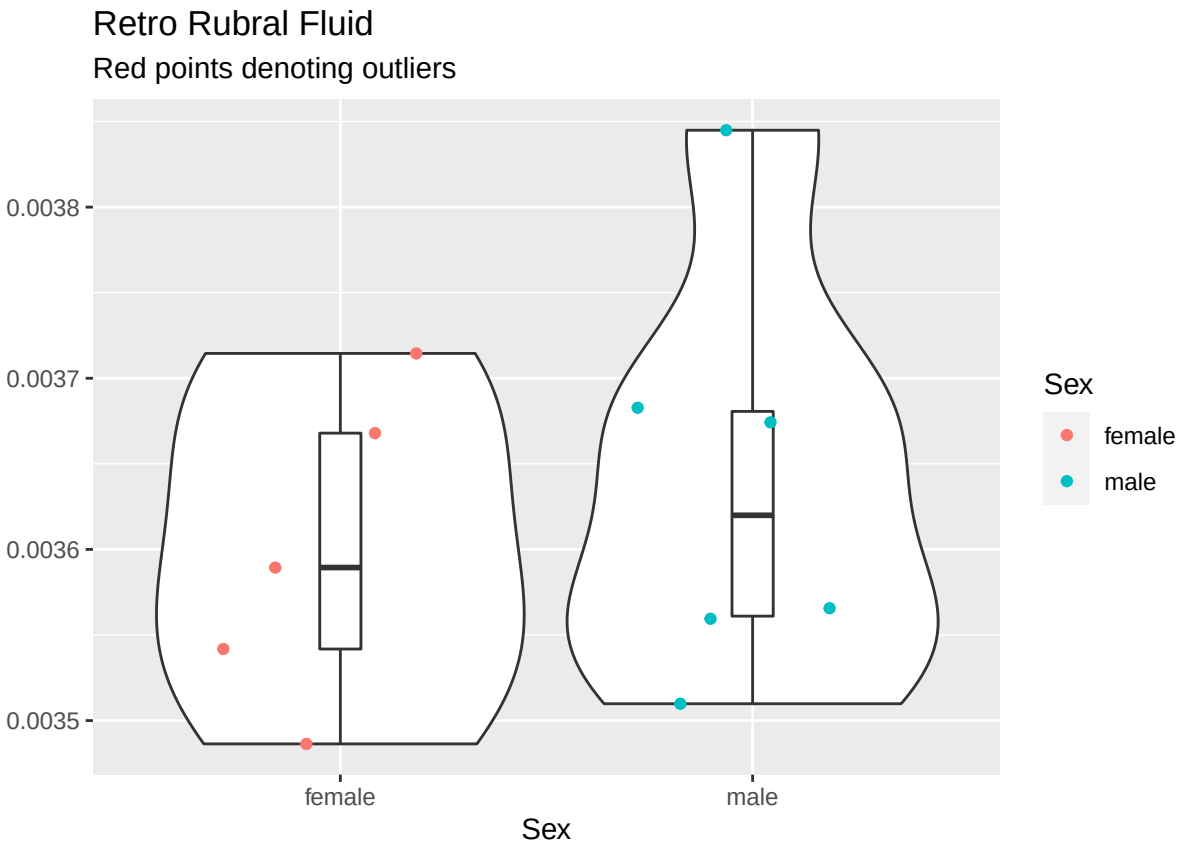

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 2.600e-09 2.599e-09   0.126  0.731
## Residuals     9 1.857e-07 2.064e-08
```



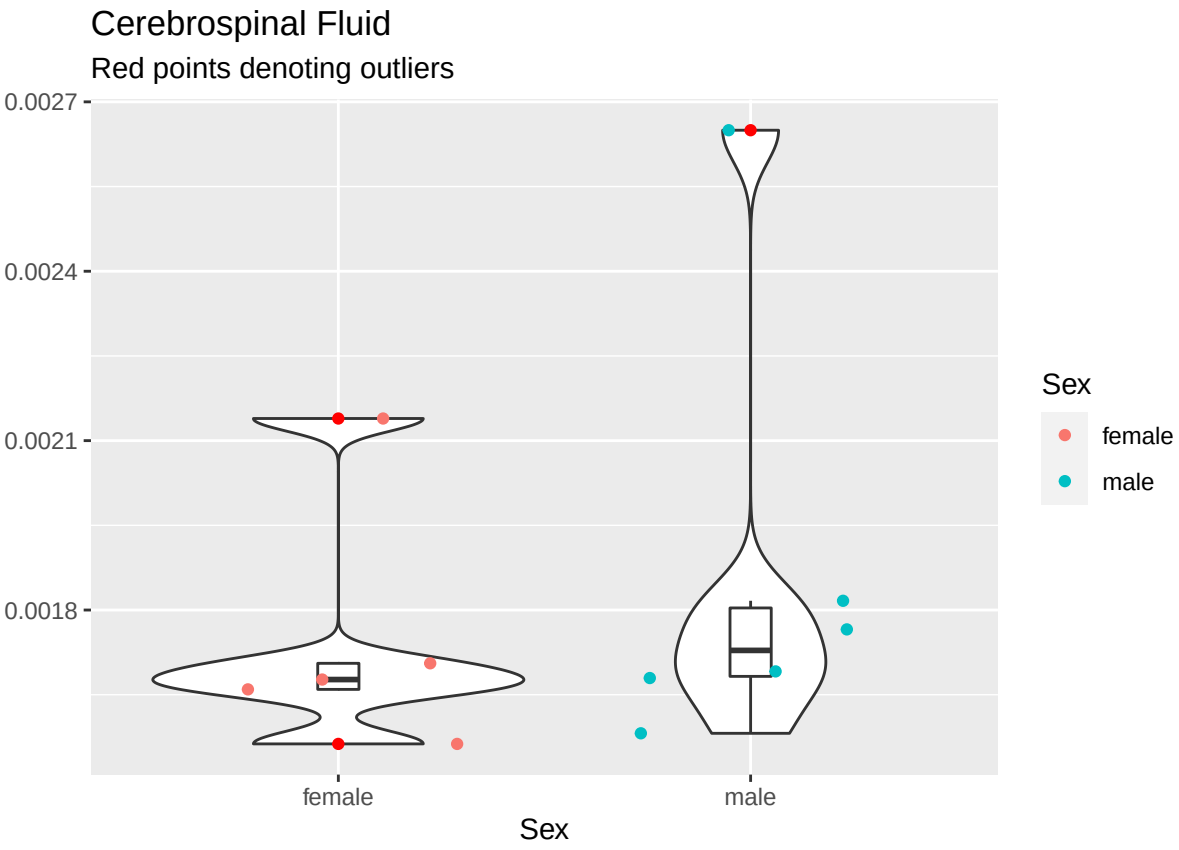

```
##             Df   Sum Sq  Mean Sq F value Pr(>F)
## Sex          1 9.16e-09 9.16e-09   0.352  0.567
## Residuals    9 2.34e-07 2.60e-08
```



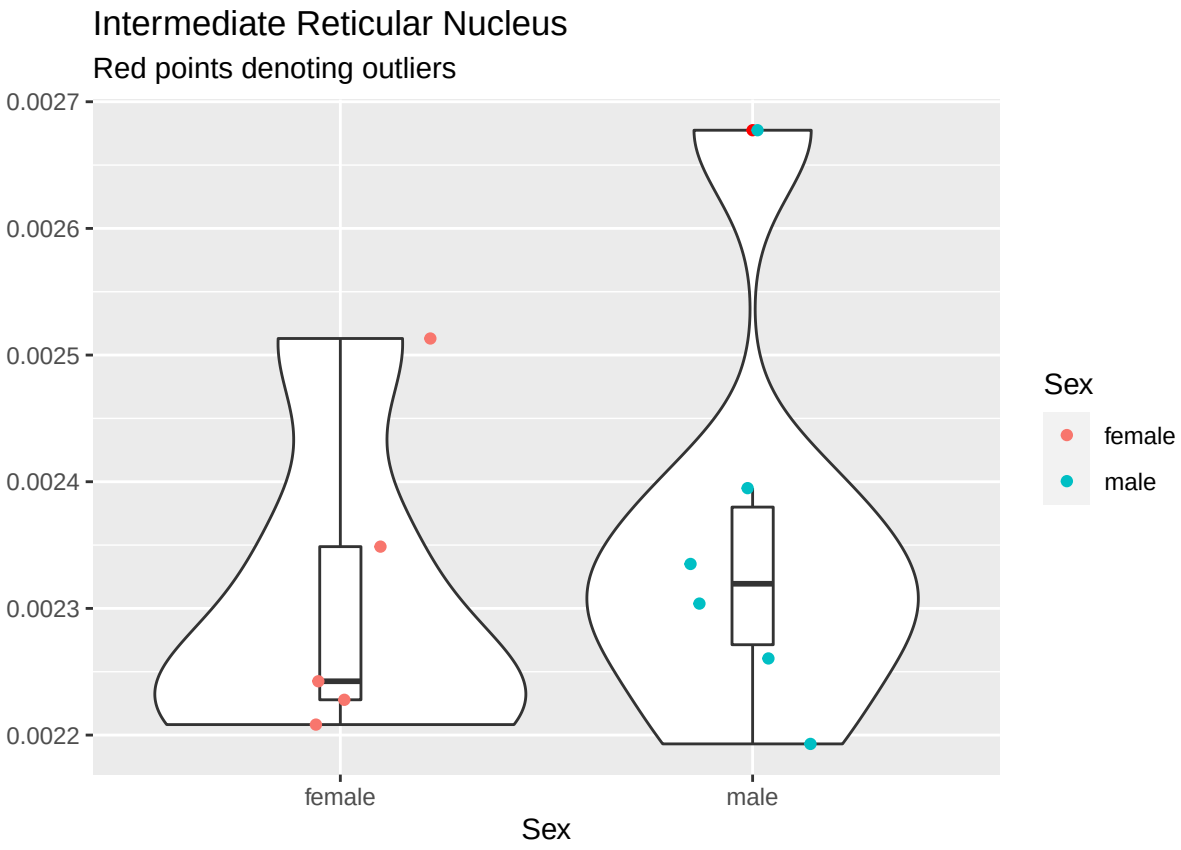

```
##             Df   Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 7.45e-08 7.446e-08   1.503  0.251
## Residuals    9 4.46e-07 4.955e-08
```



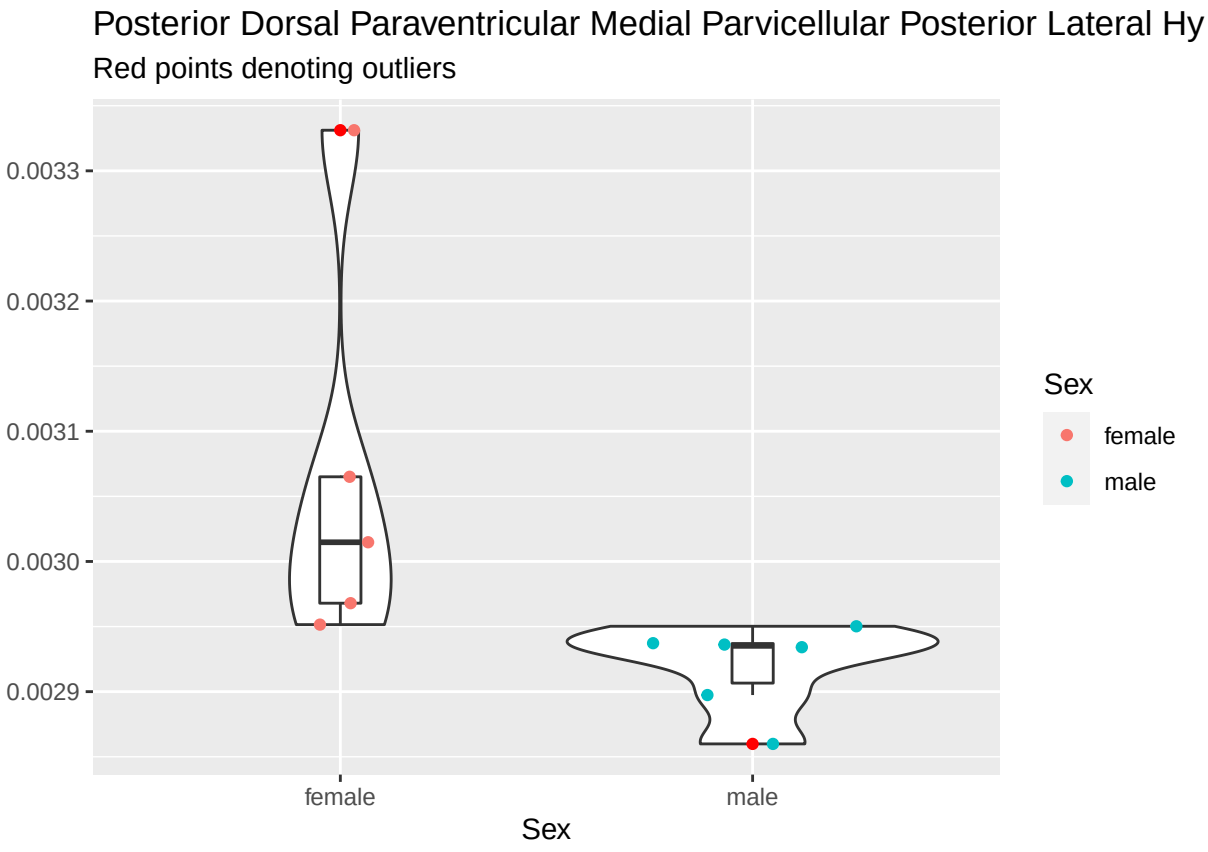

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.250e-09 4.249e-09   0.354  0.567
## Residuals    9 1.081e-07 1.201e-08
```



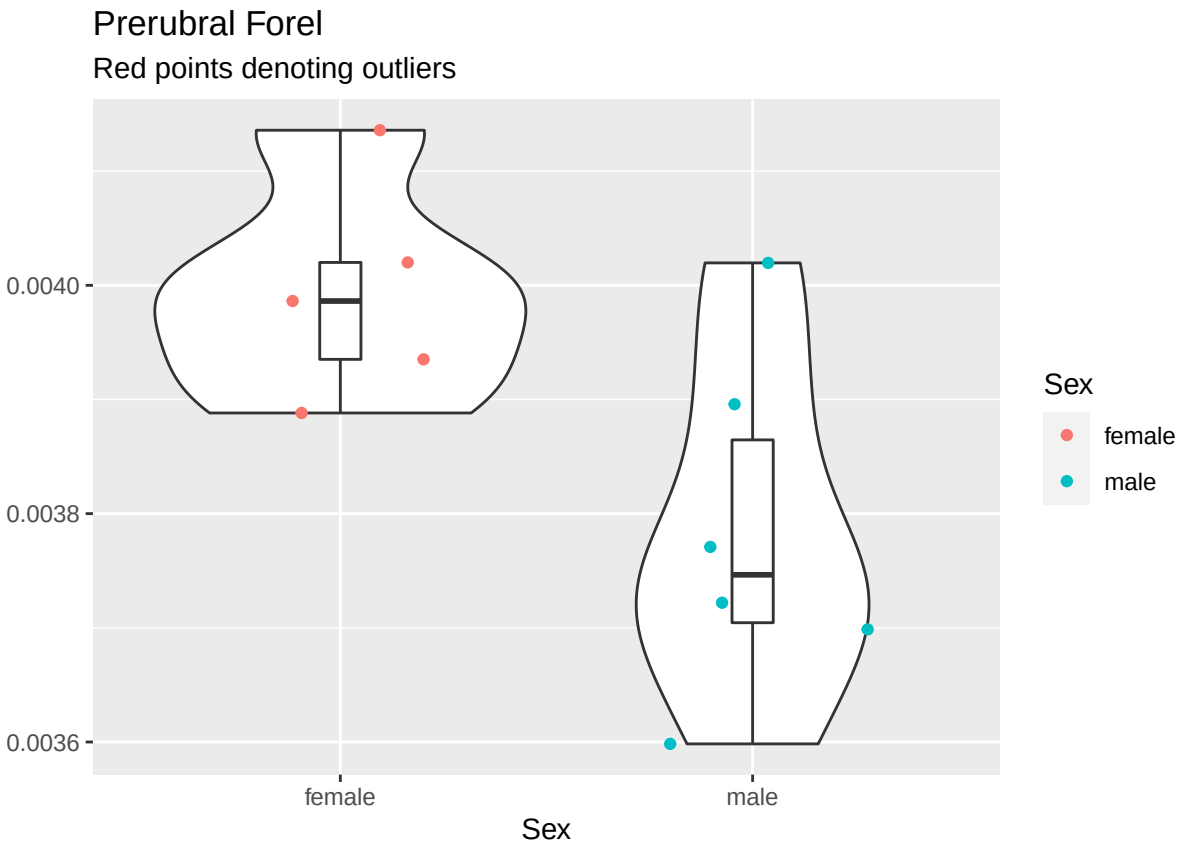

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.620e-08 3.622e-08   0.334  0.577
## Residuals    9 9.749e-07 1.083e-07
```



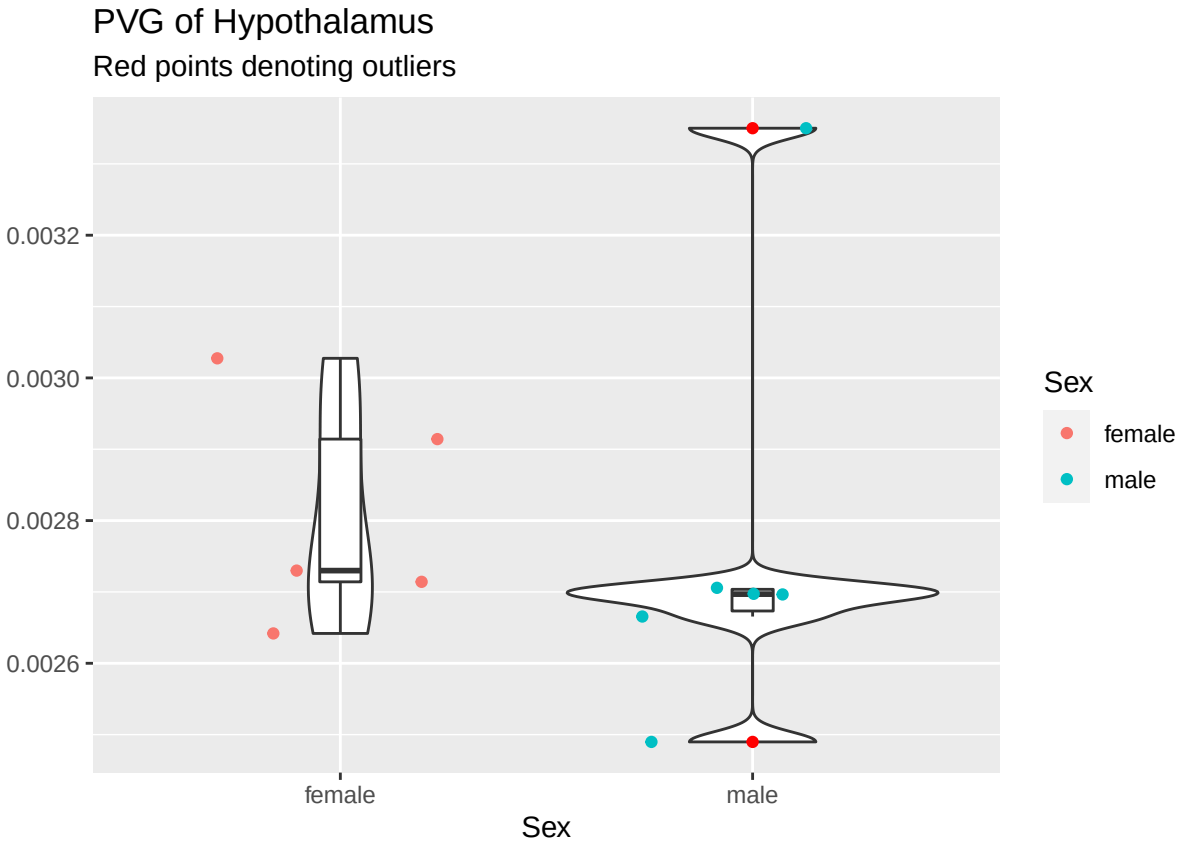

```
##             Df   Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 7.58e-09 7.583e-09   0.328  0.581
## Residuals    9 2.08e-07 2.311e-08
```



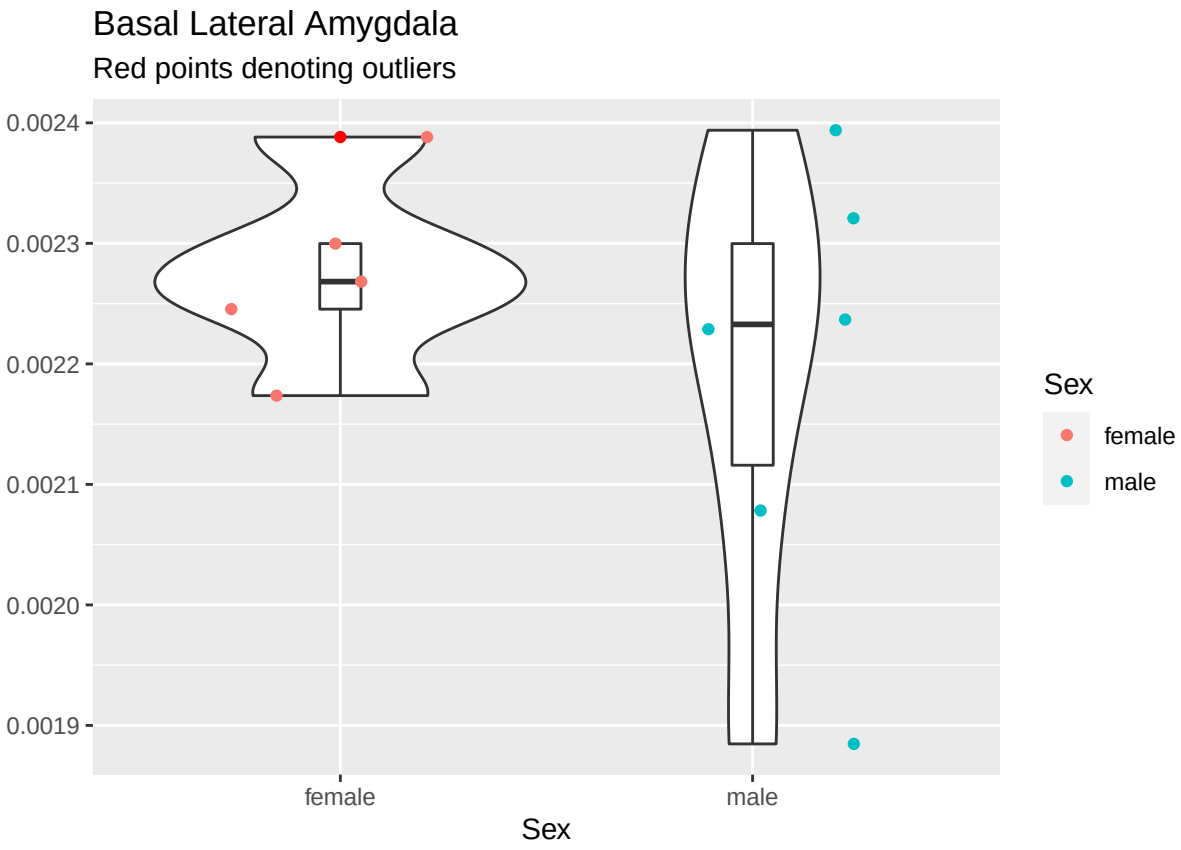

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.885e-08 5.885e-08    5.22 0.0482 *
## Residuals    9 1.015e-07 1.128e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



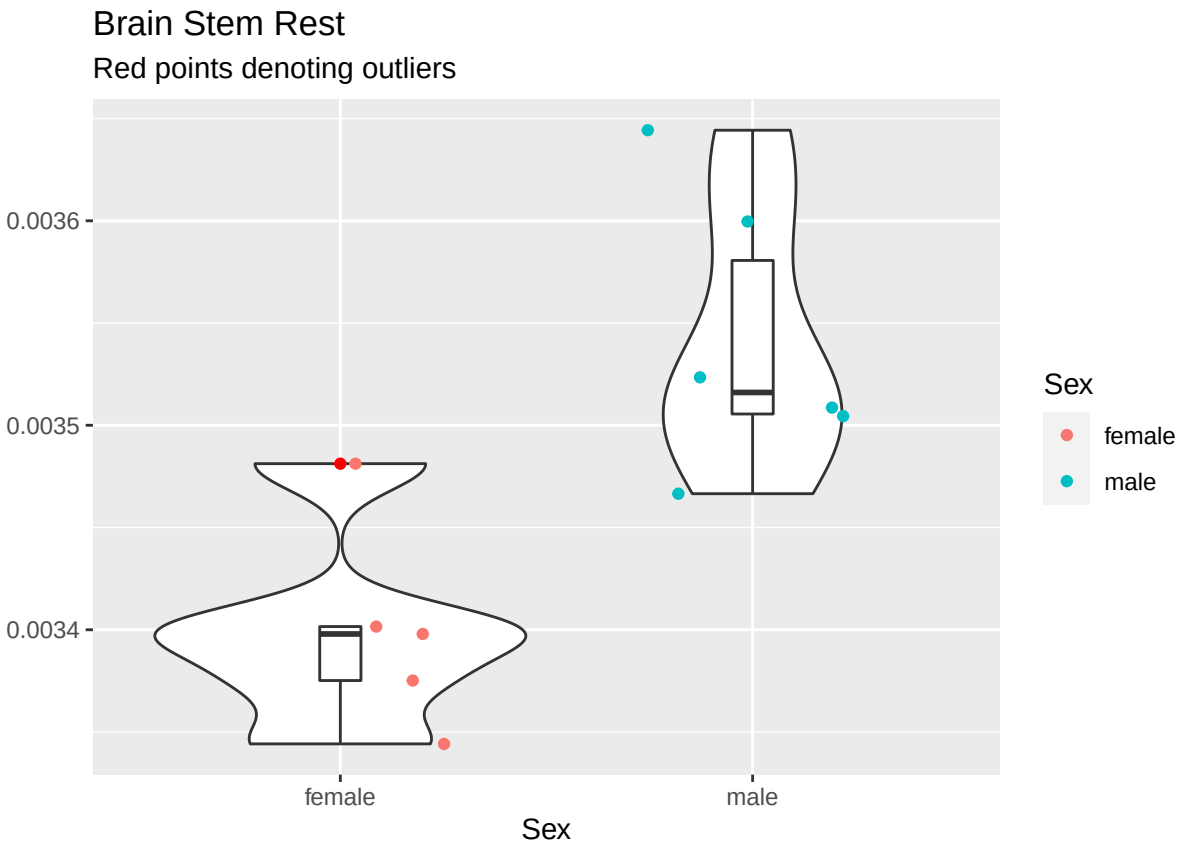

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.190e-07 1.190e-07   7.172 0.0253 *
## Residuals    9 1.493e-07 1.659e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



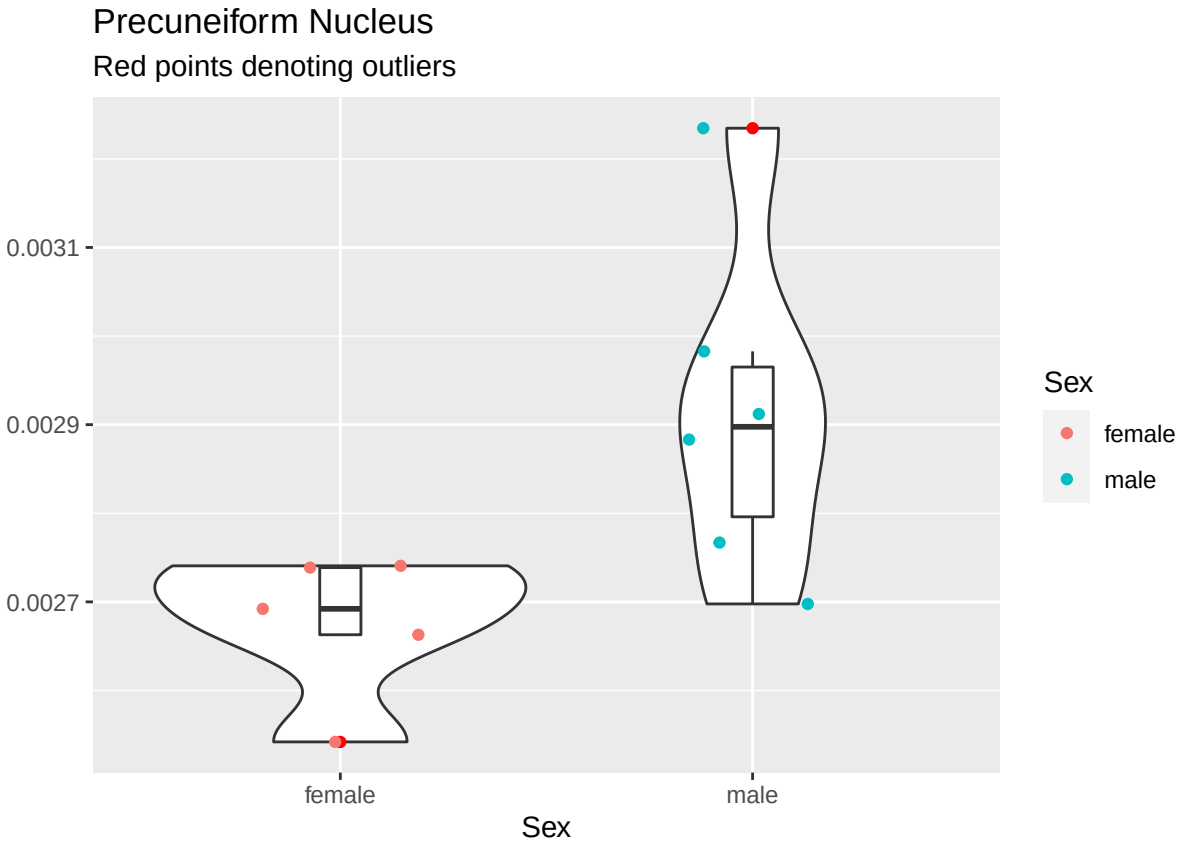

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.900e-09 3.950e-09   0.065  0.804
## Residuals    9 5.426e-07 6.028e-08
```



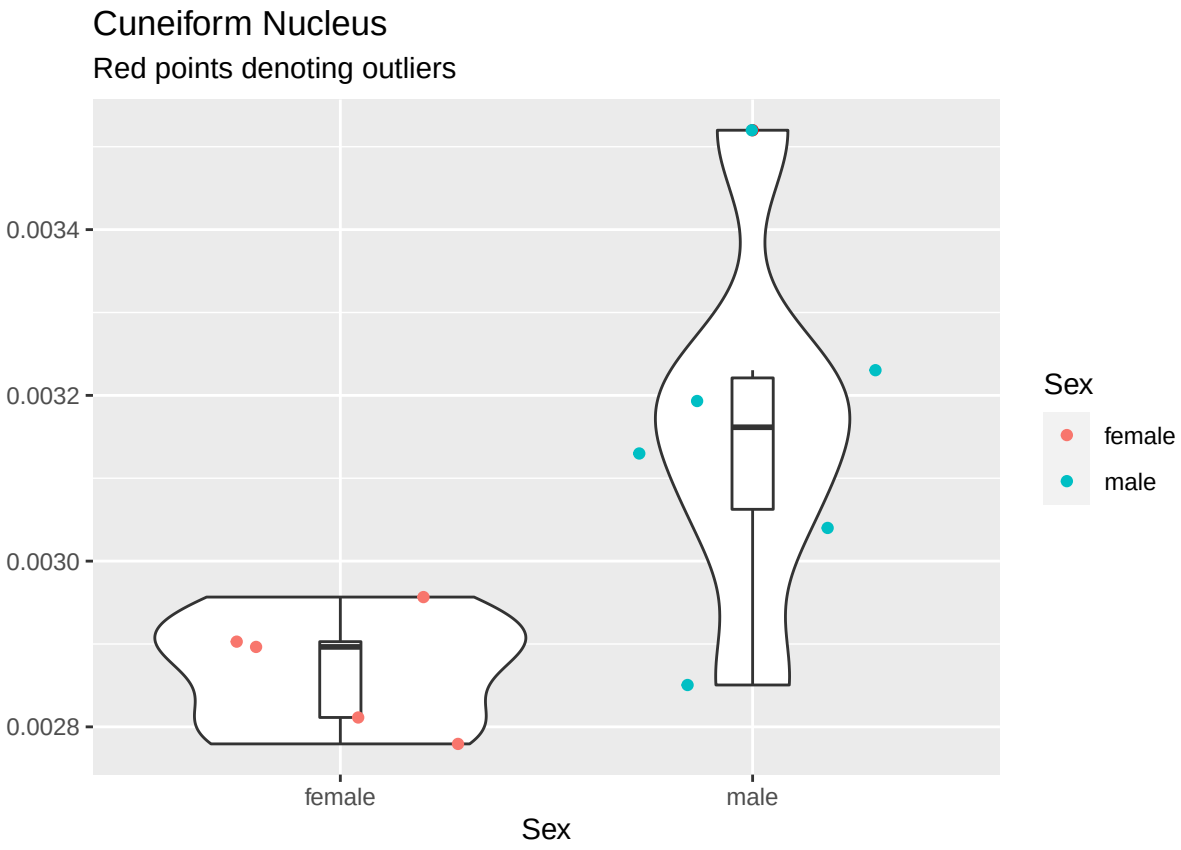

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.949e-08 1.949e-08    0.91  0.365
## Residuals    9 1.927e-07 2.141e-08
```



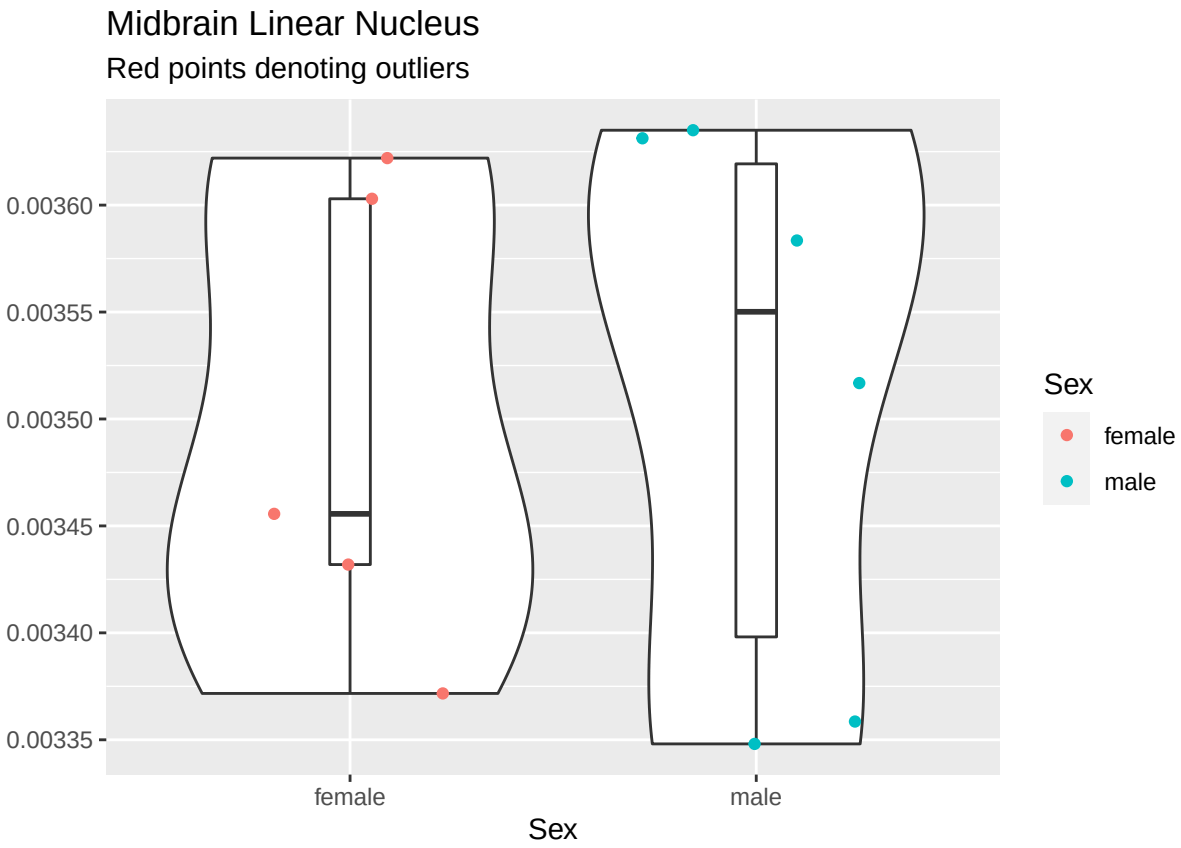

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.435e-08 5.435e-08   14.97 0.0038 **
## Residuals    9 3.268e-08 3.630e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



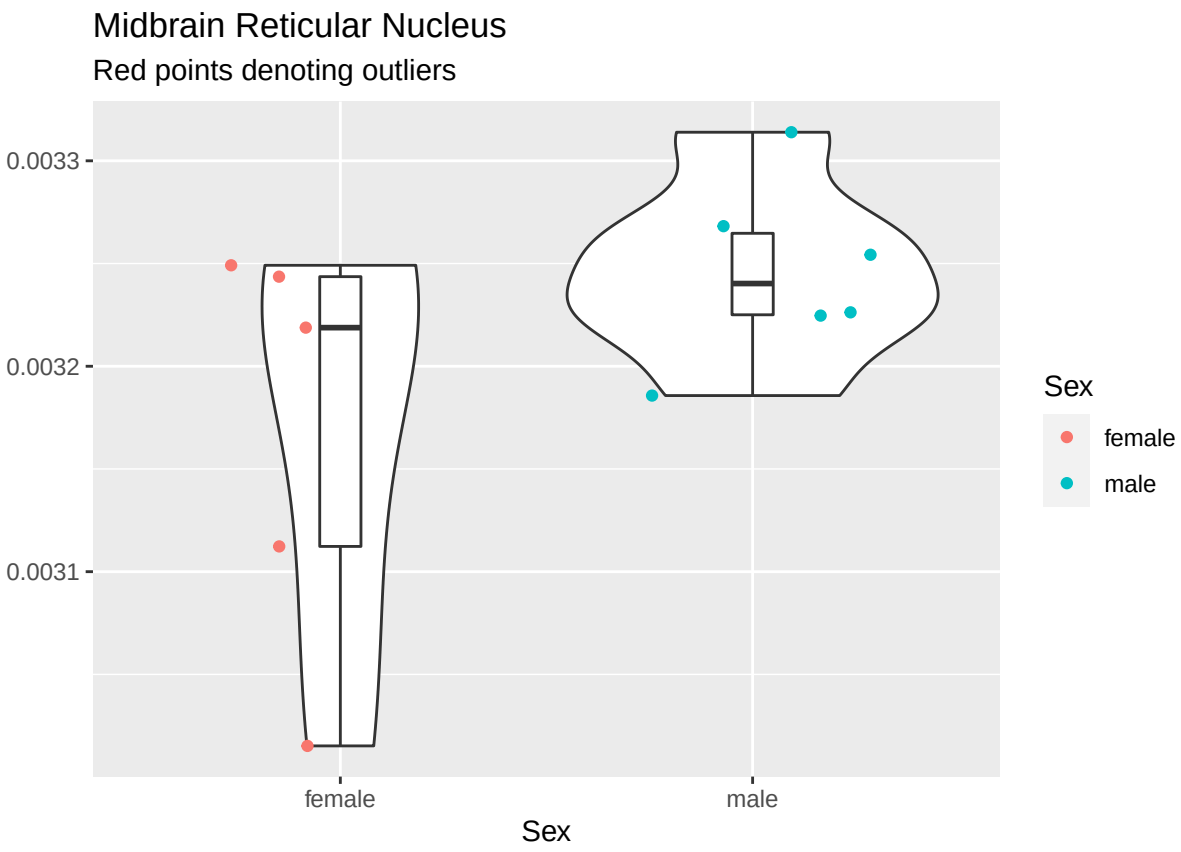

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.539e-07 1.539e-07   6.813 0.0283 *
## Residuals    9 2.033e-07 2.259e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



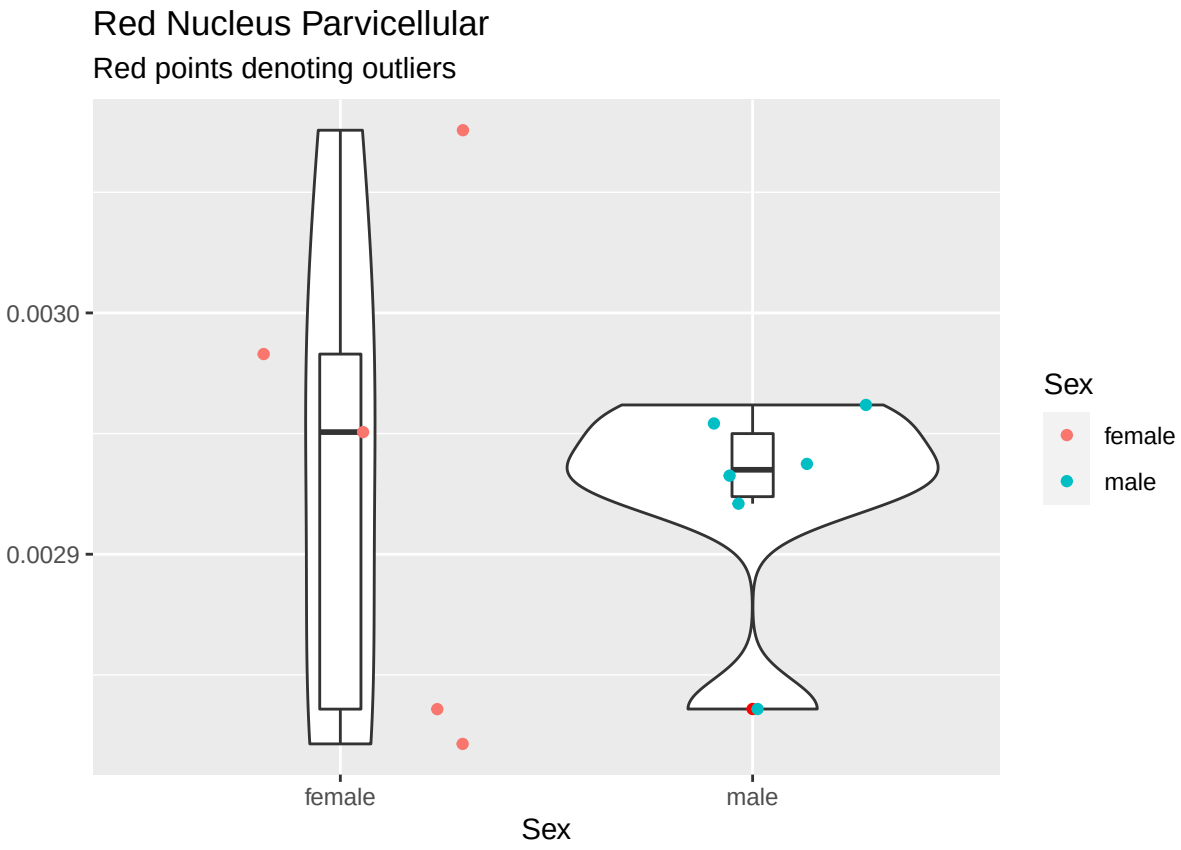

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.315e-07 2.315e-07   7.784 0.0211 *
## Residuals    9 2.676e-07 2.973e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



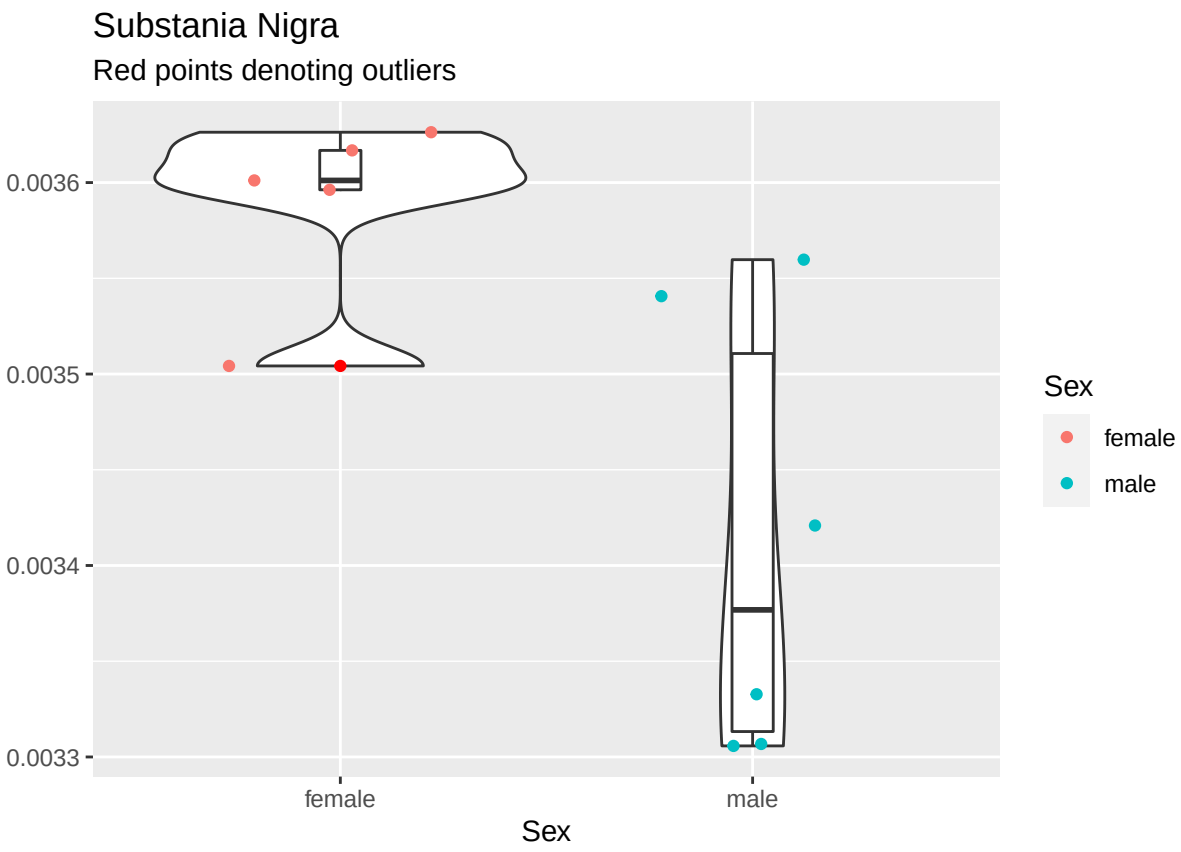

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 6.400e-10 6.430e-10   0.043   0.84
## Residuals     9 1.334e-07 1.482e-08
```



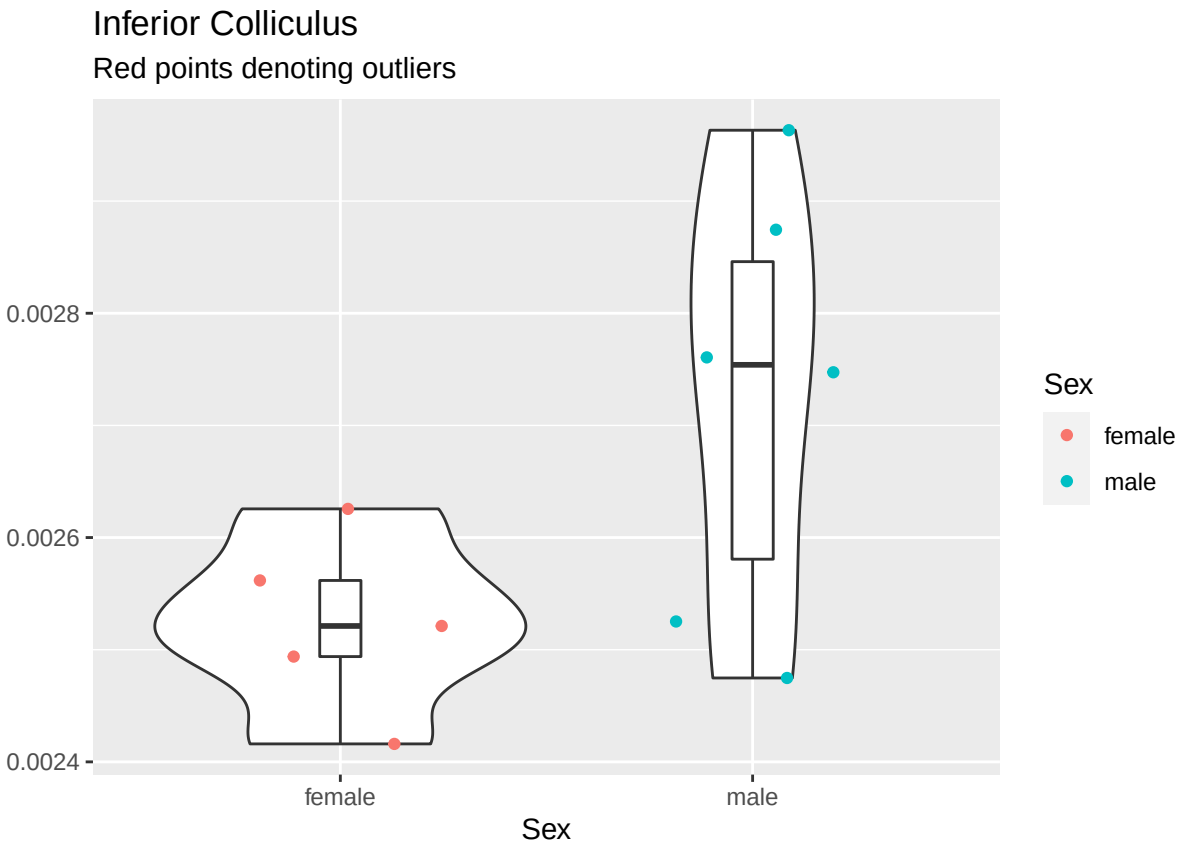

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.646e-08 1.646e-08   2.906  0.122
## Residuals    9 5.099e-08 5.666e-09
```



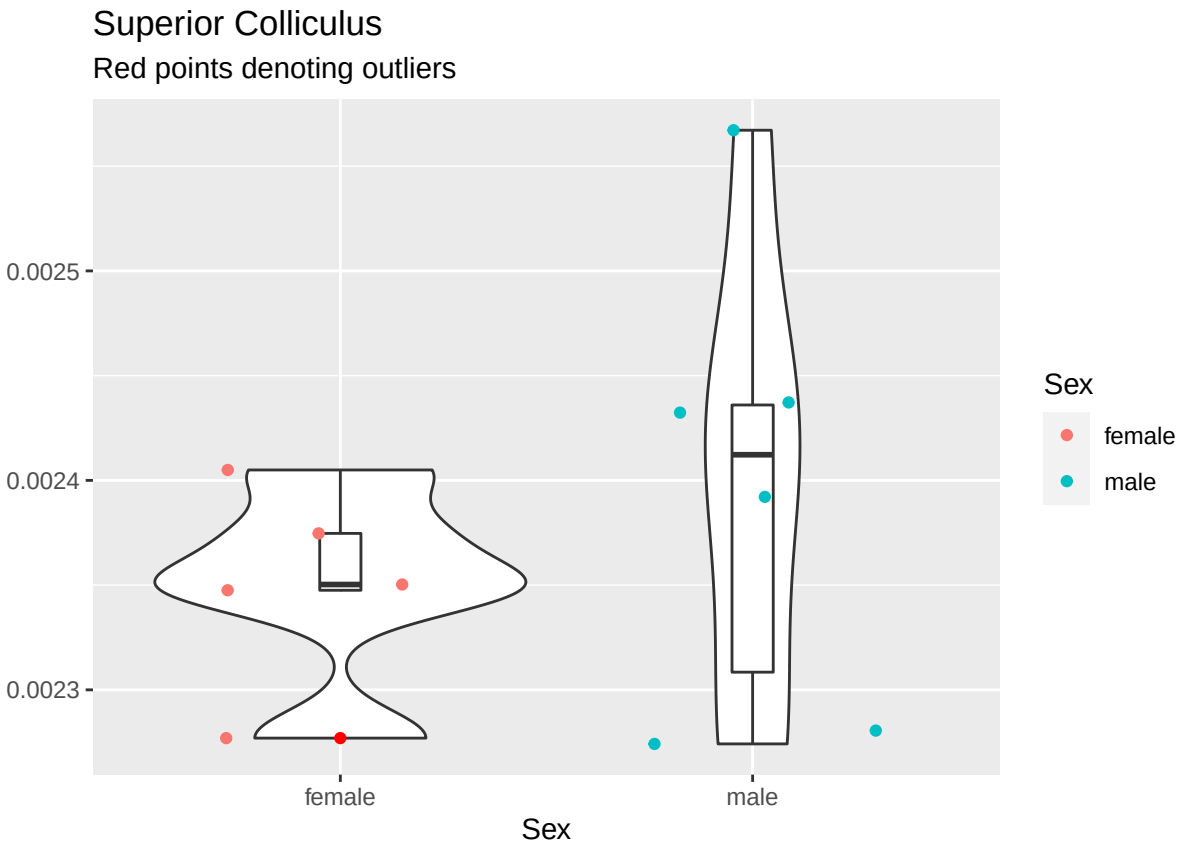

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.500e-10 2.460e-10    0.04  0.846
## Residuals    9 5.544e-08 6.161e-09
```



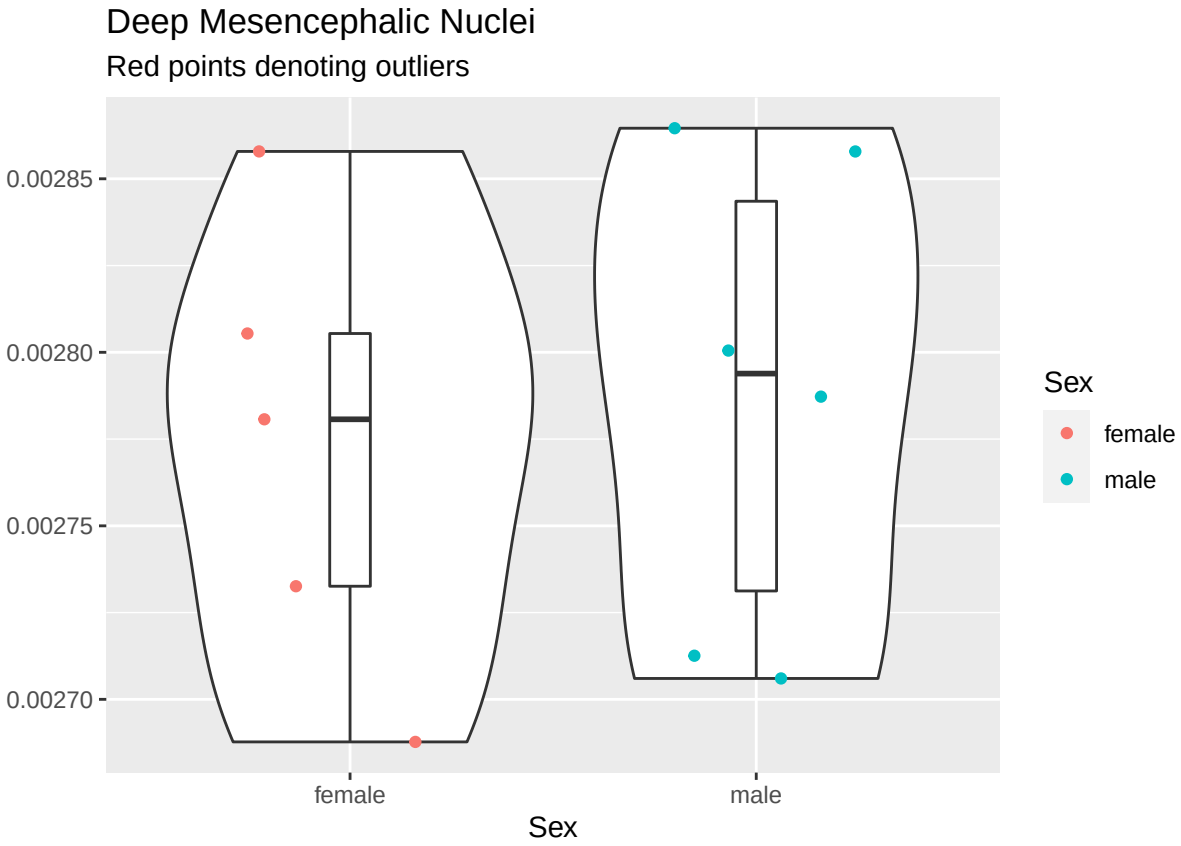

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 8.625e-08 8.625e-08   10.13 0.0111 *
## Residuals    9 7.664e-08 8.520e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



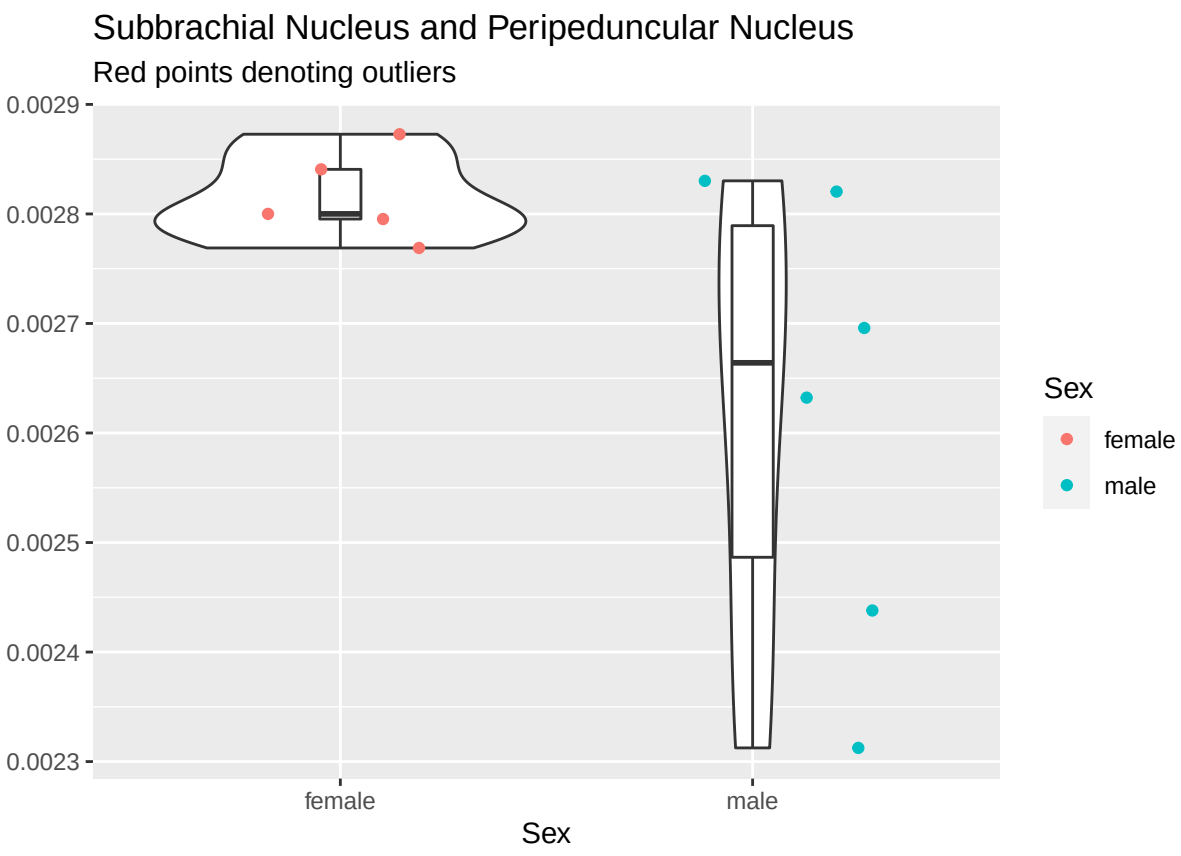

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.097e-07 1.097e-07   4.756 0.0571 .
## Residuals    9 2.077e-07 2.308e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



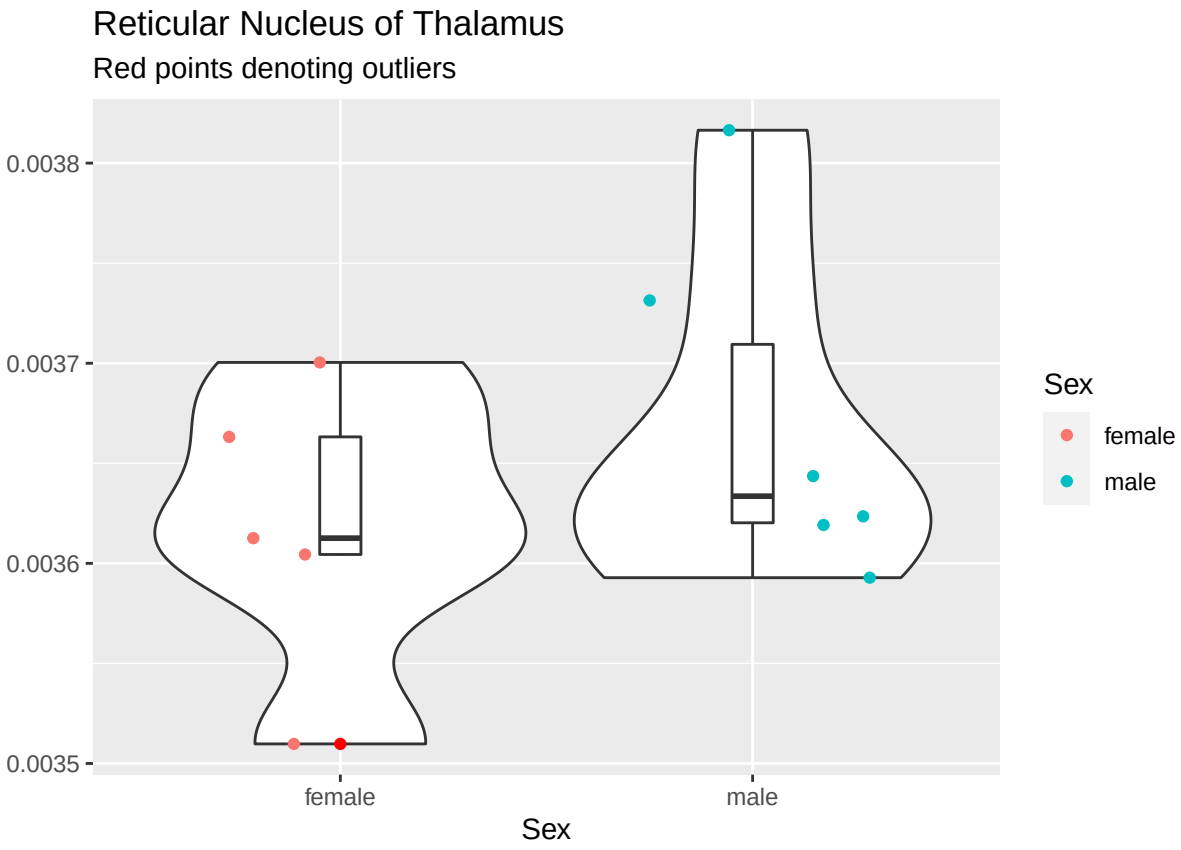

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.860e-09 5.865e-09    0.76  0.406
## Residuals    9 6.945e-08 7.717e-09
```




```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 6.400e-10 6.350e-10   0.141  0.716
## Residuals    9 4.053e-08 4.504e-09
```

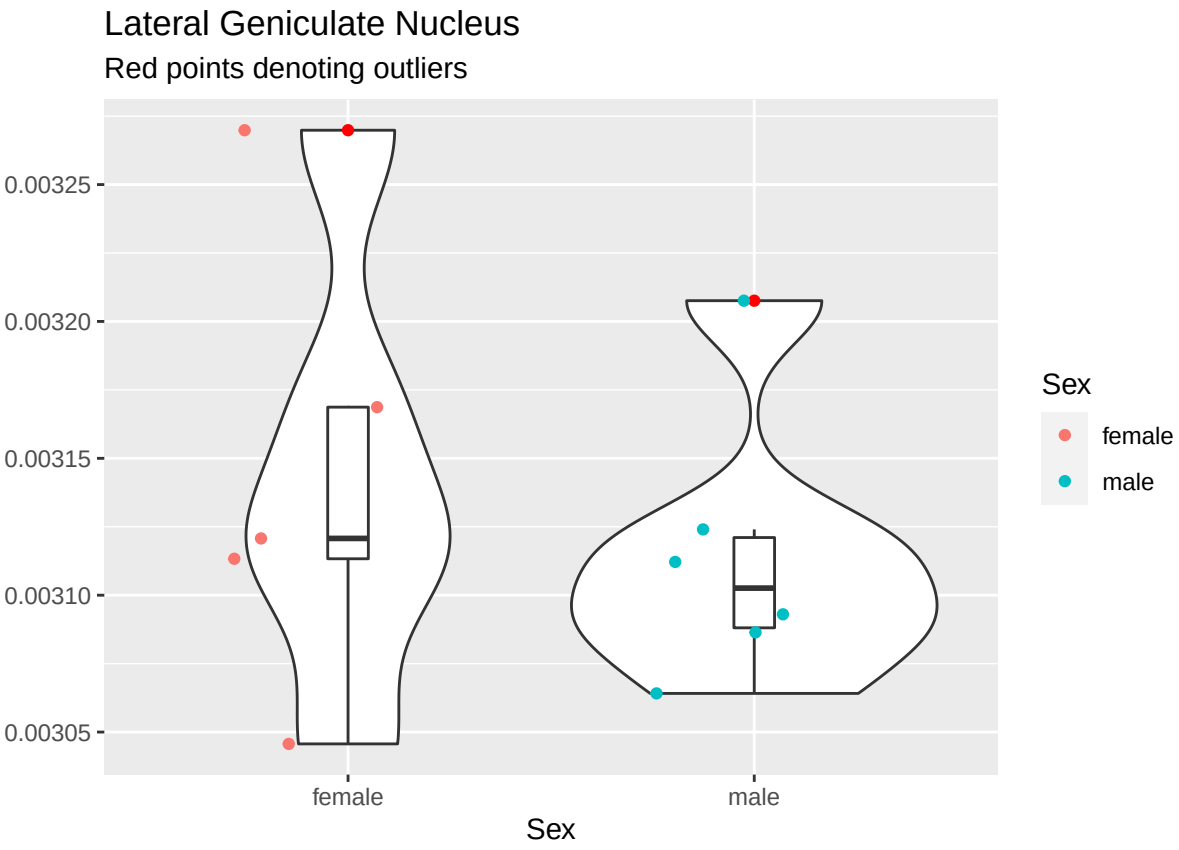



```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.027e-07 1.027e-07   4.112 0.0732 .
## Residuals    9 2.247e-07 2.497e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

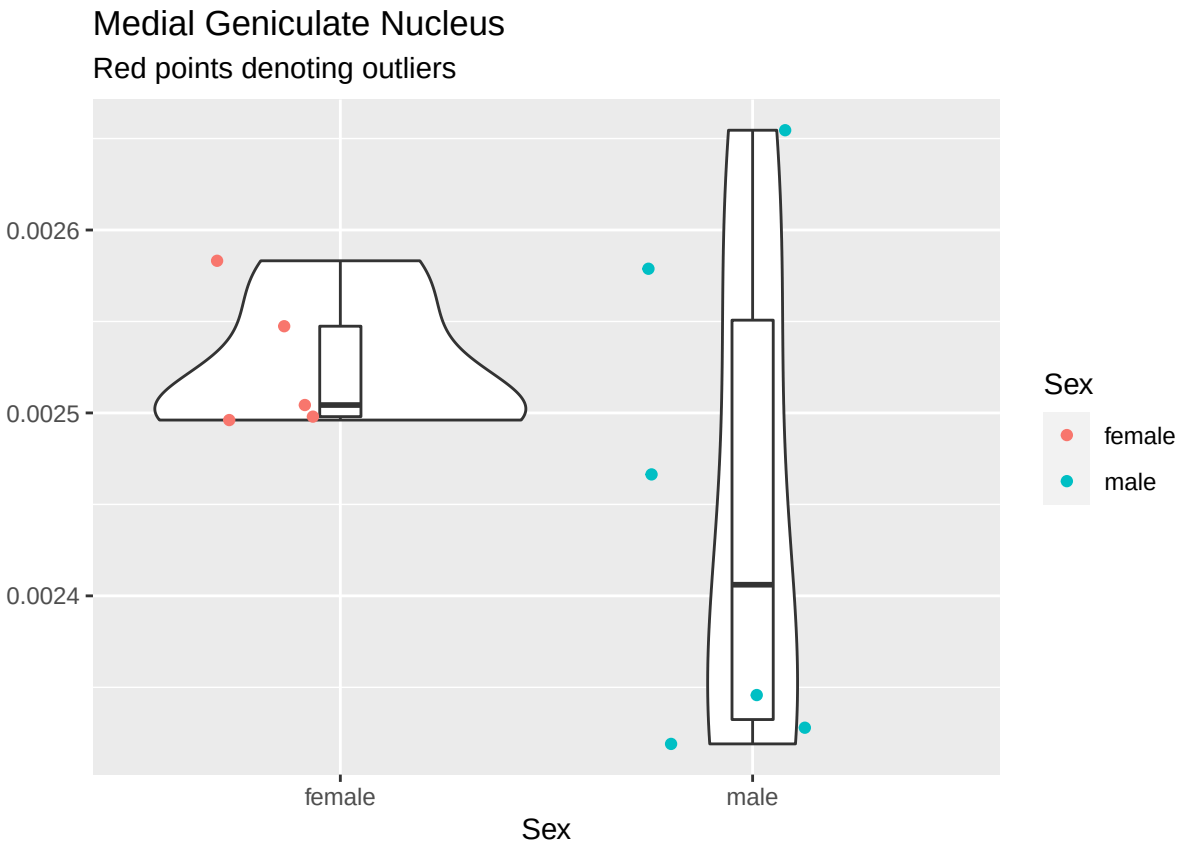



```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 7.680e-09 7.685e-09   1.206  0.301
## Residuals    9 5.736e-08 6.373e-09
```

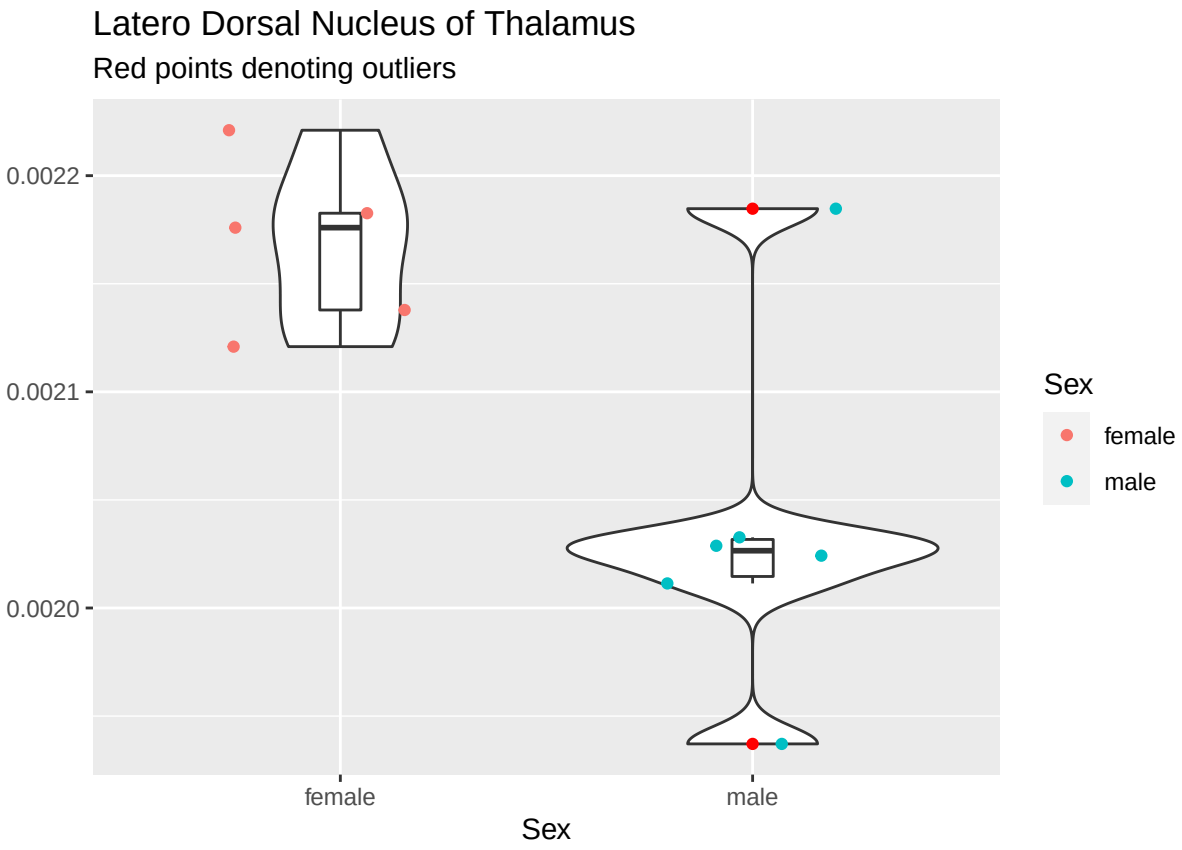

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 8.050e-09 8.048e-09   1.607  0.237
## Residuals    9 4.509e-08 5.010e-09
```



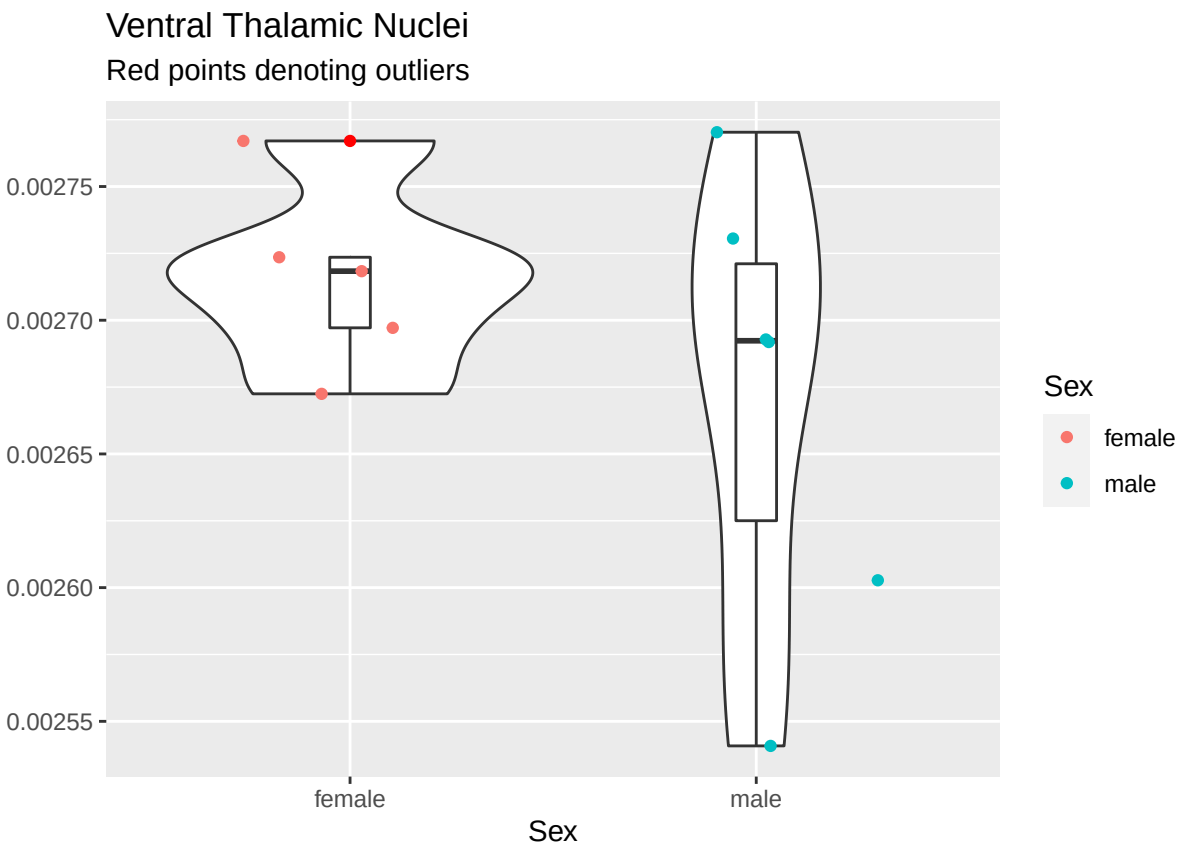

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 2.310e-09 2.309e-09   0.518   0.49
## Residuals     9 4.015e-08 4.461e-09
```



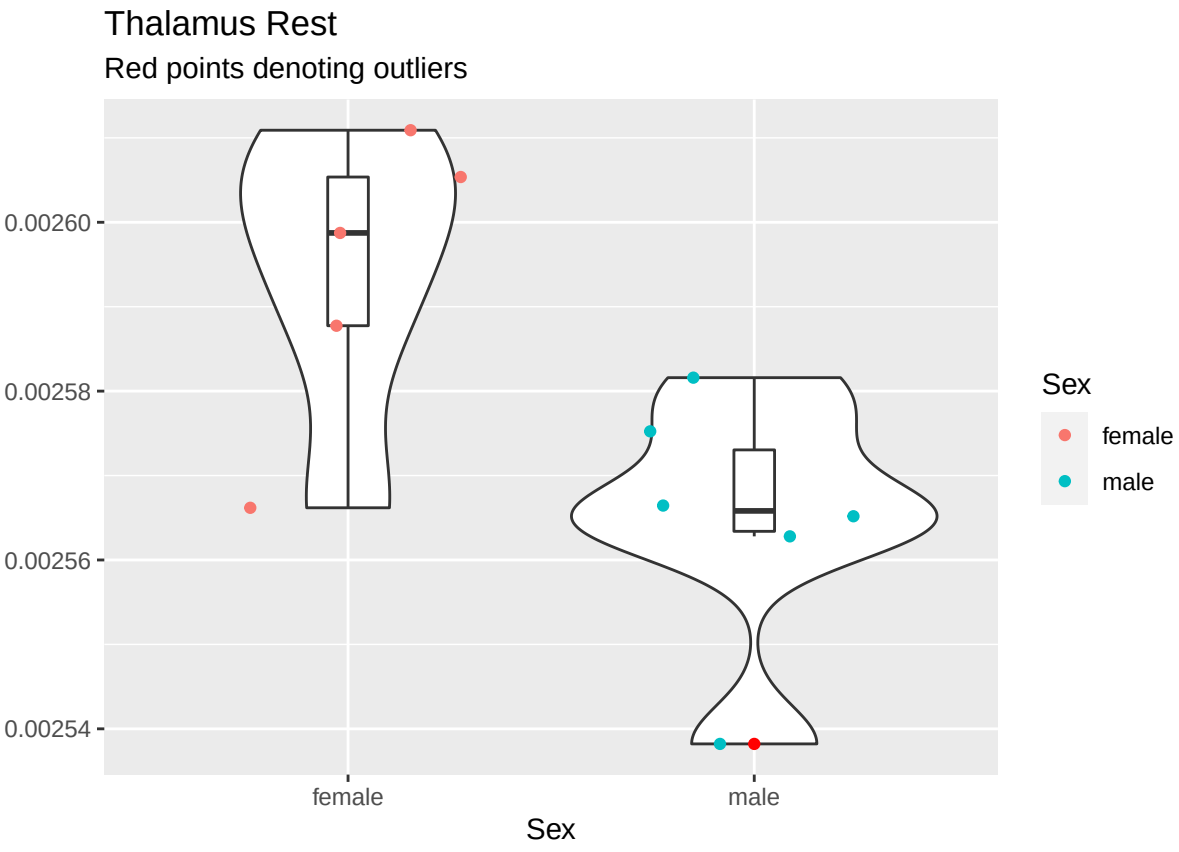

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.619e-08 1.619e-08   1.355  0.274
## Residuals    9 1.075e-07 1.194e-08
```



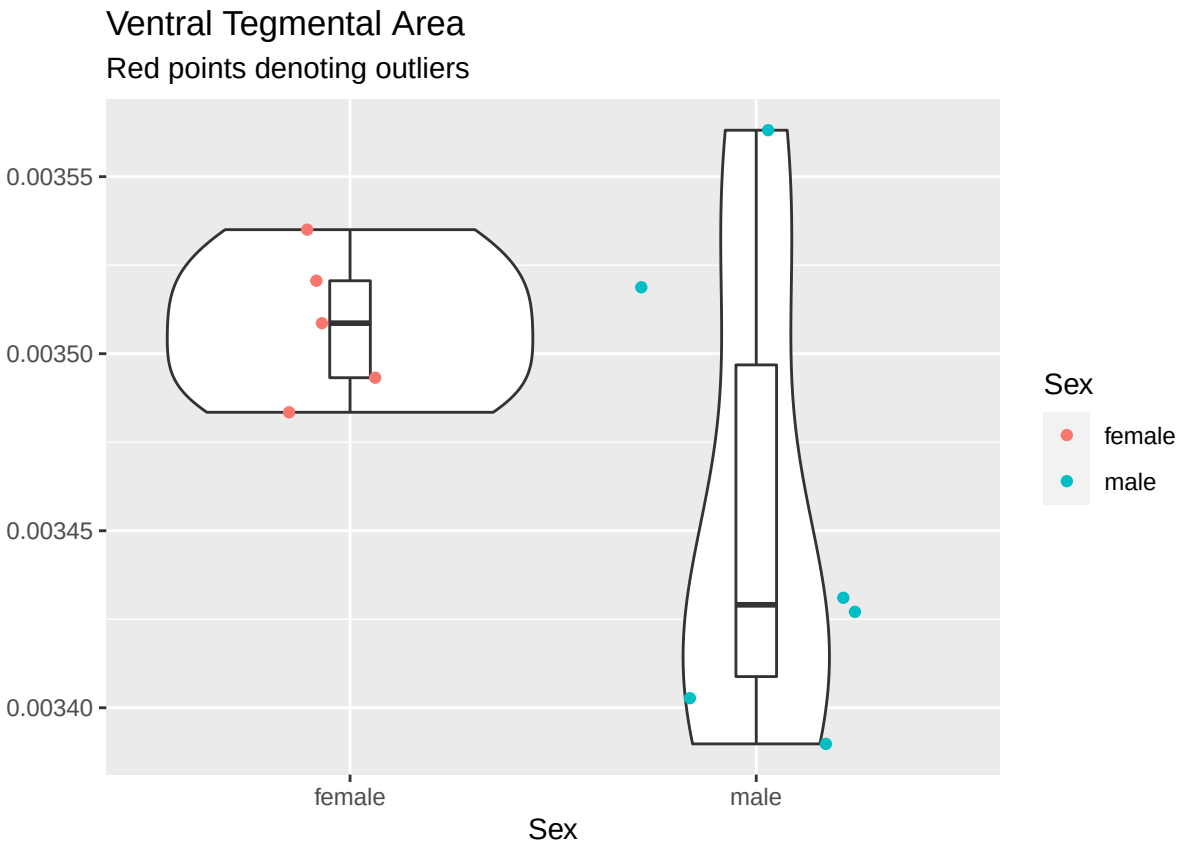

```
##             Df    Sum Sq   Mean Sq F value  Pr(>F)
## Sex          1 4.694e-08 4.694e-08   10.86 0.00931 **
## Residuals    9 3.892e-08 4.320e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



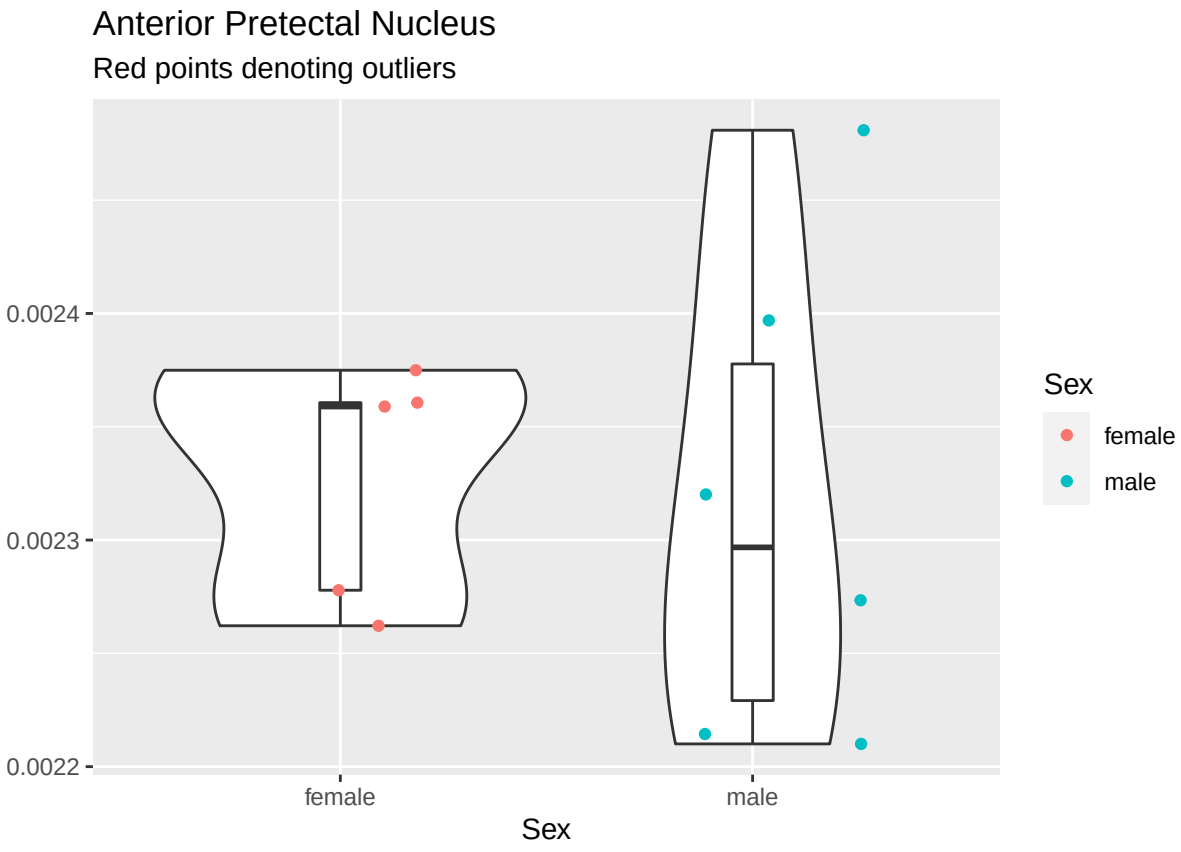

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 5.330e-09 5.329e-09   1.174  0.307
## Residuals     9 4.084e-08 4.538e-09
```



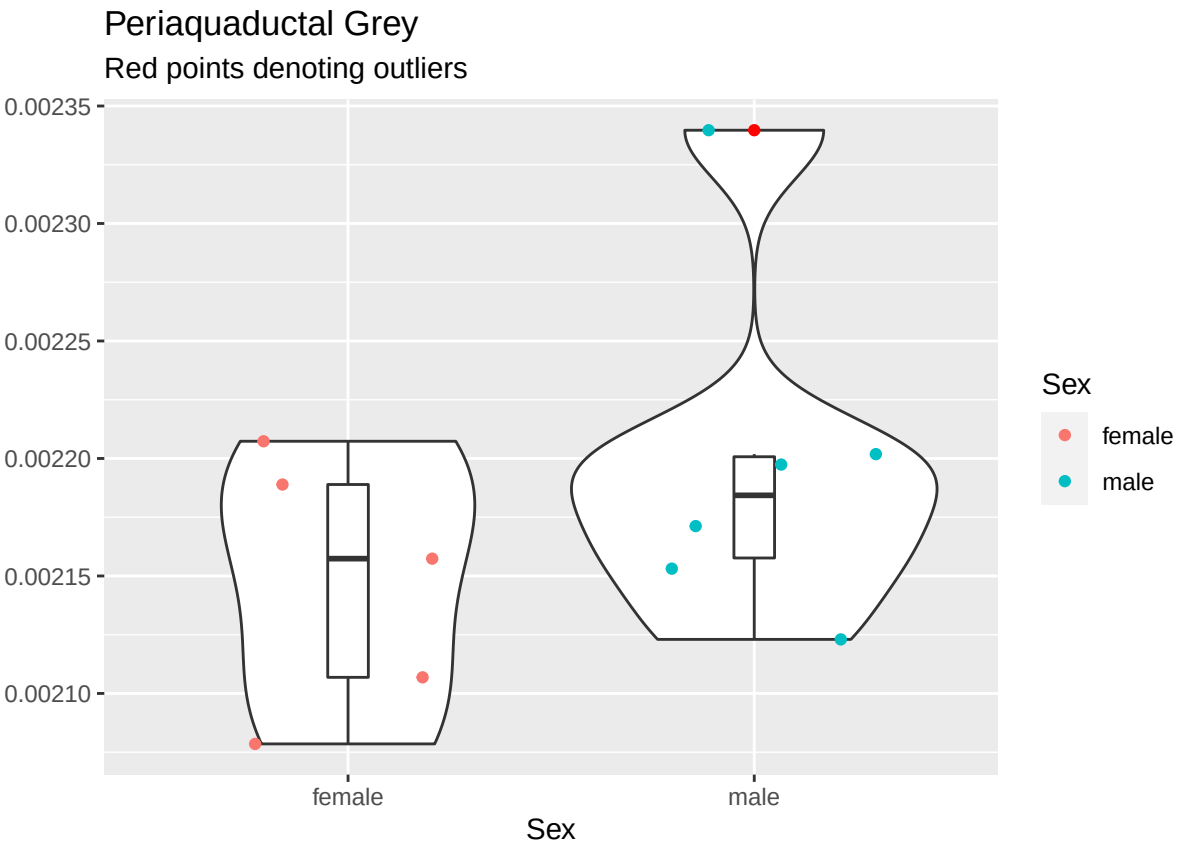

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.274e-09 2.274e-09   8.691 0.0163 *
## Residuals    9 2.355e-09 2.616e-10
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



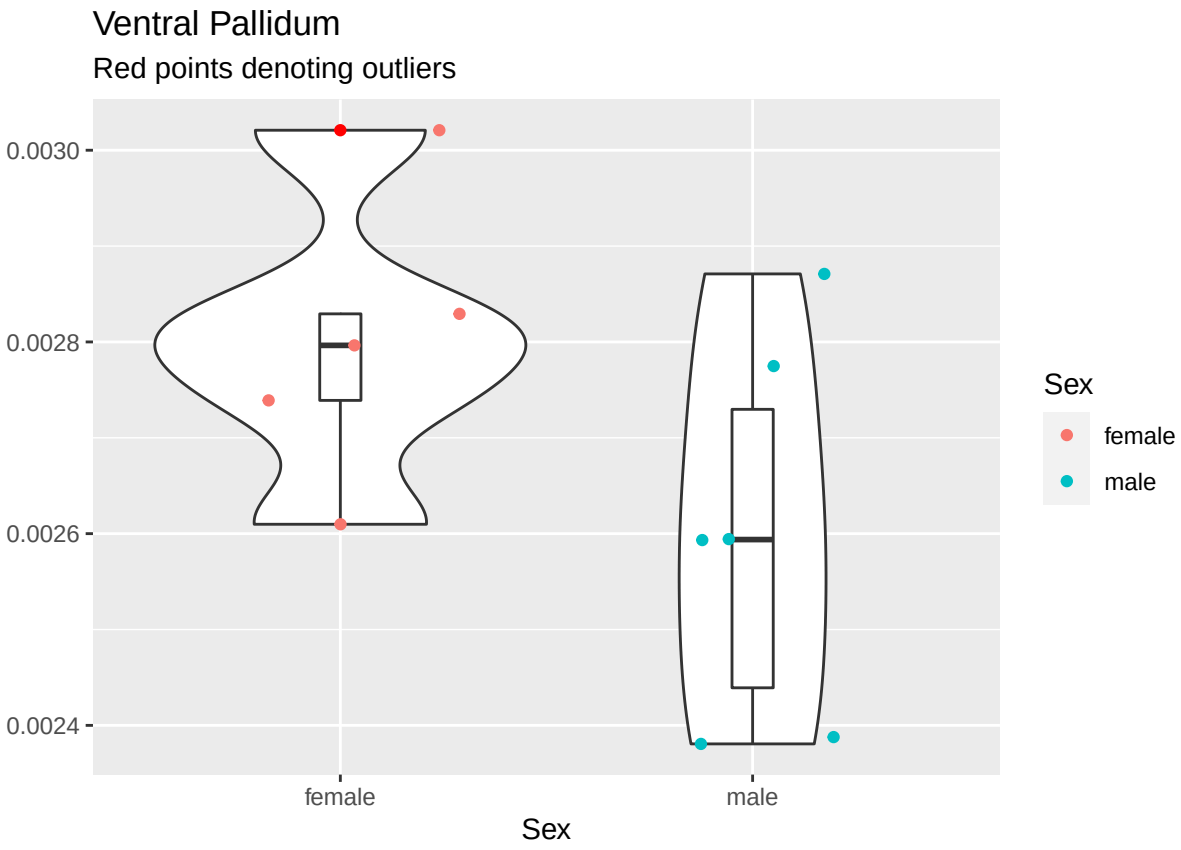

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 7.593e-09 7.593e-09   2.648  0.138
## Residuals    9 2.580e-08 2.867e-09
```



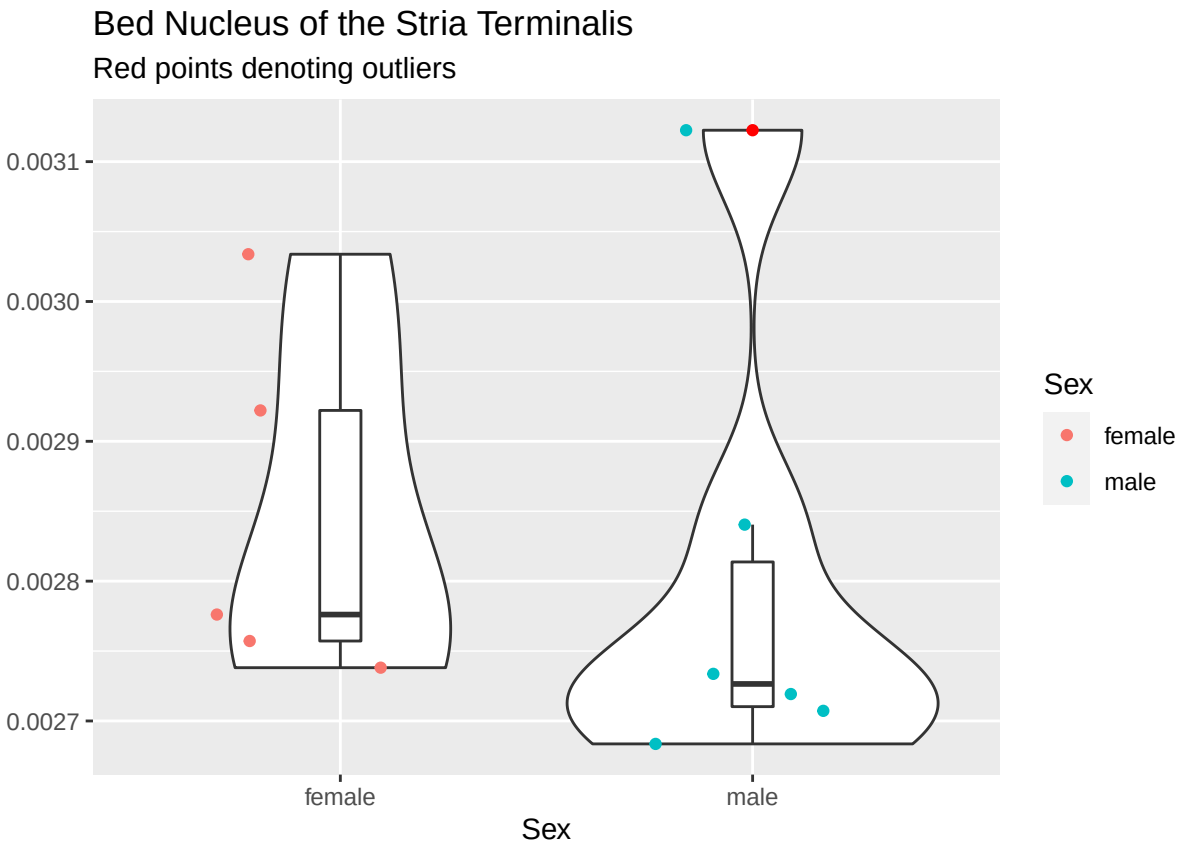

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.300e-10 3.270e-10   0.043   0.84
## Residuals    9 6.818e-08 7.575e-09
```




```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 6.790e-09 6.795e-09   1.519  0.249
## Residuals    9 4.025e-08 4.472e-09
```

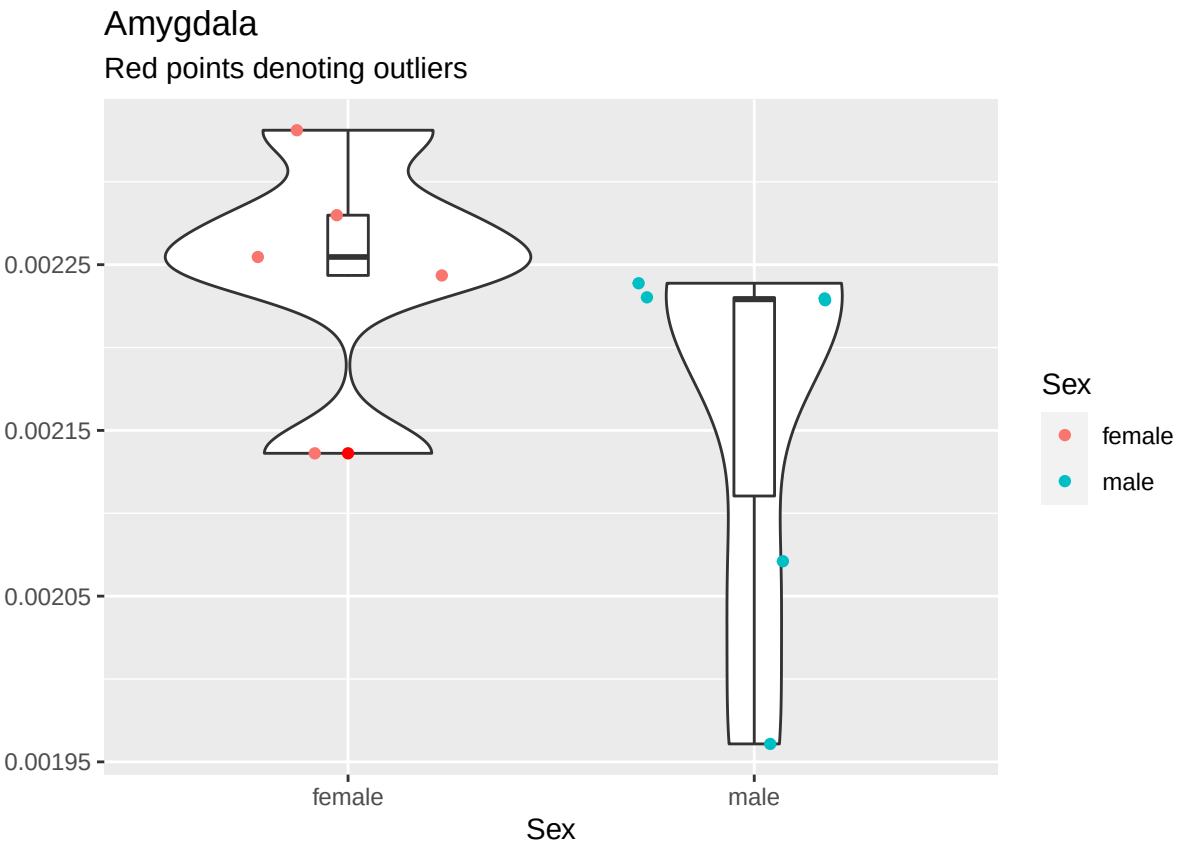



```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.077e-07 1.077e-07   3.382 0.0991 .
## Residuals    9 2.867e-07 3.186e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

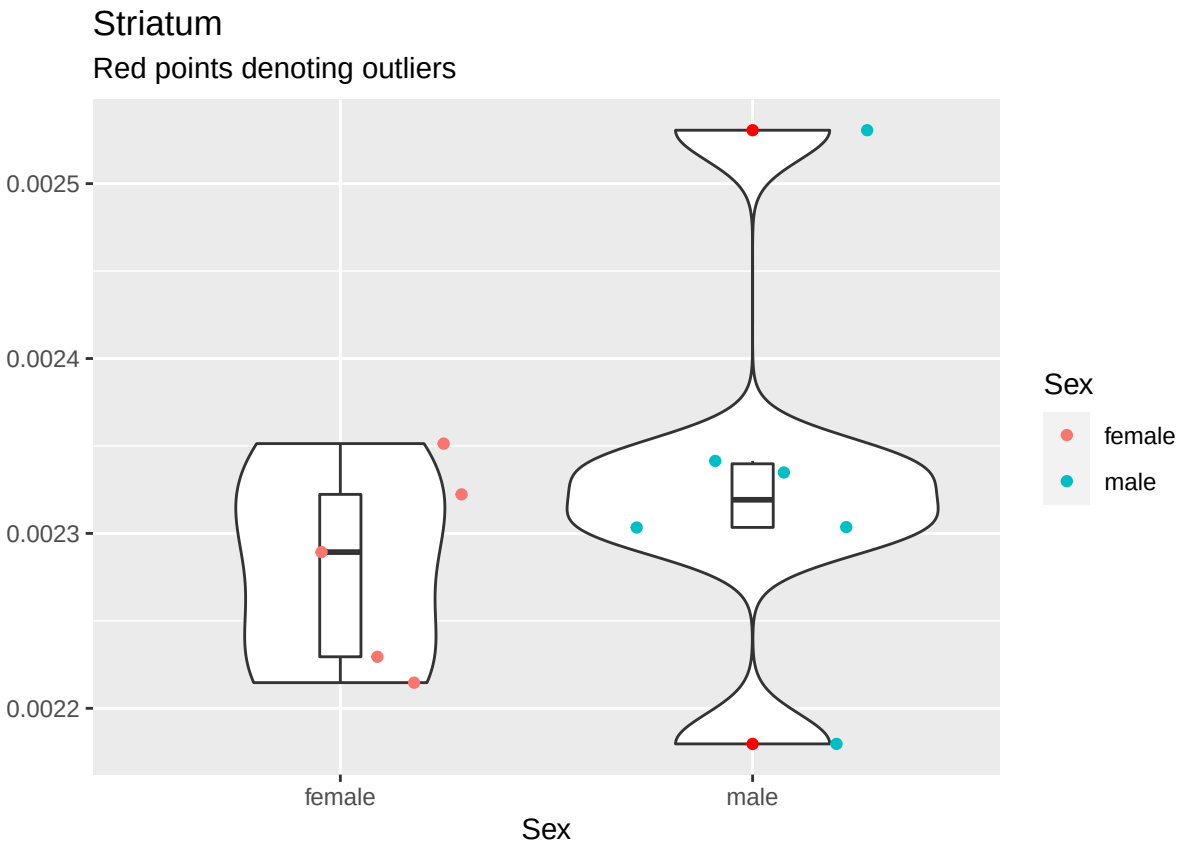



```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.360e-09 5.363e-09   0.236  0.638
## Residuals    9 2.042e-07 2.268e-08
```

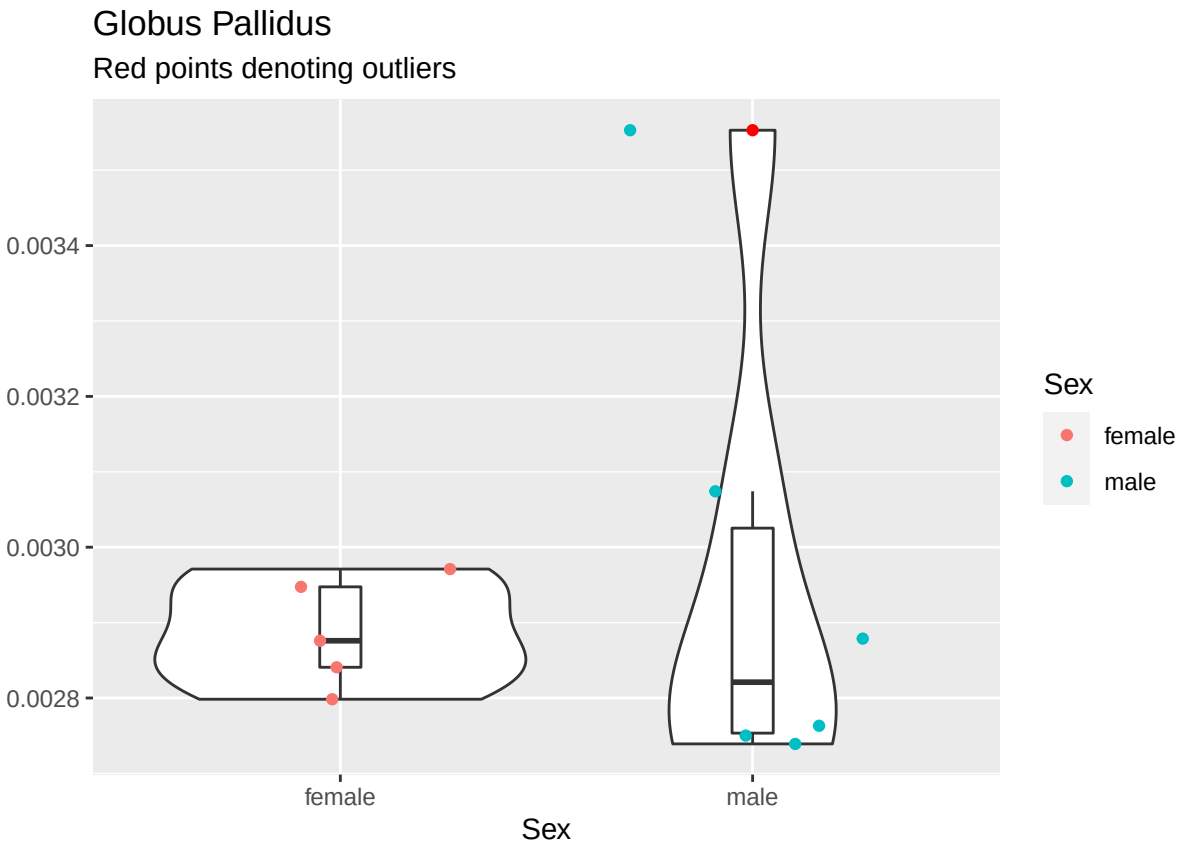

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 9.080e-09 9.079e-09   1.002  0.343
## Residuals    9 8.152e-08 9.058e-09
```



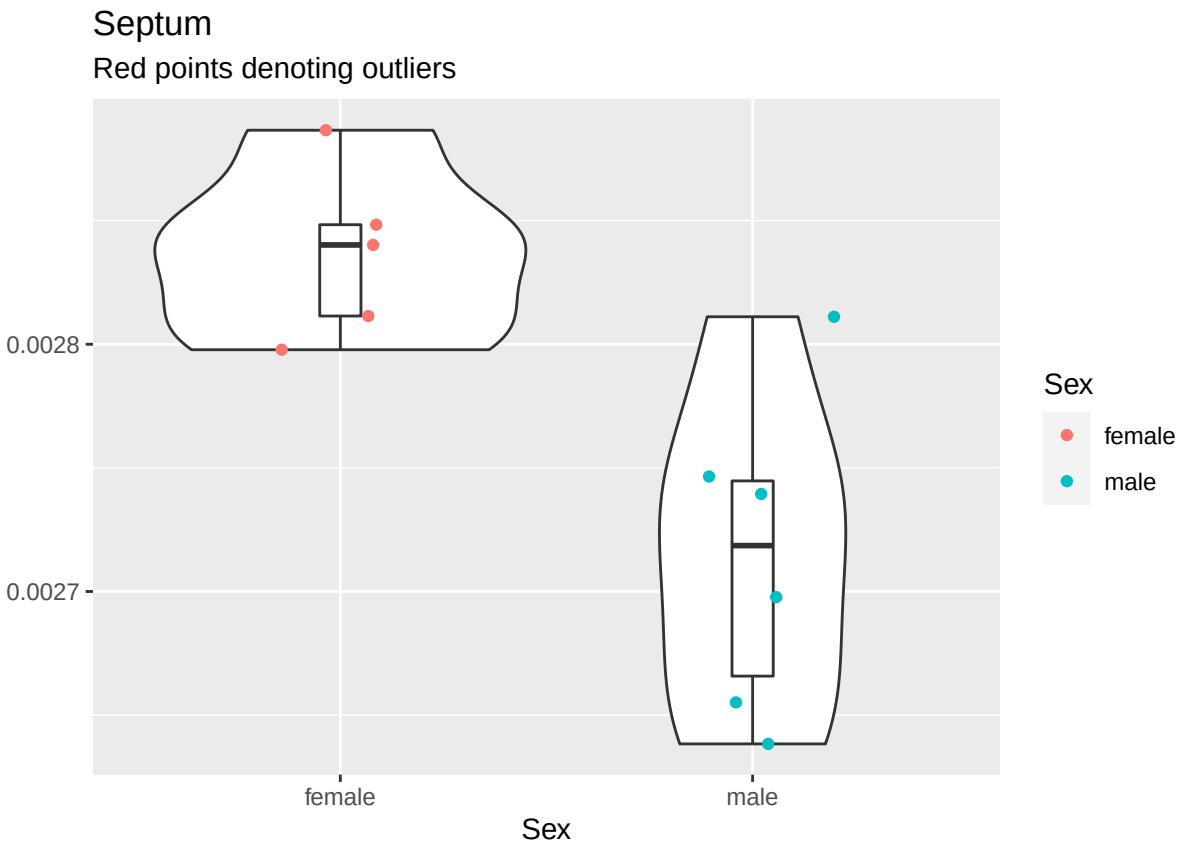

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.170e-08 2.170e-08   2.201  0.172
## Residuals    9 8.876e-08 9.862e-09
```



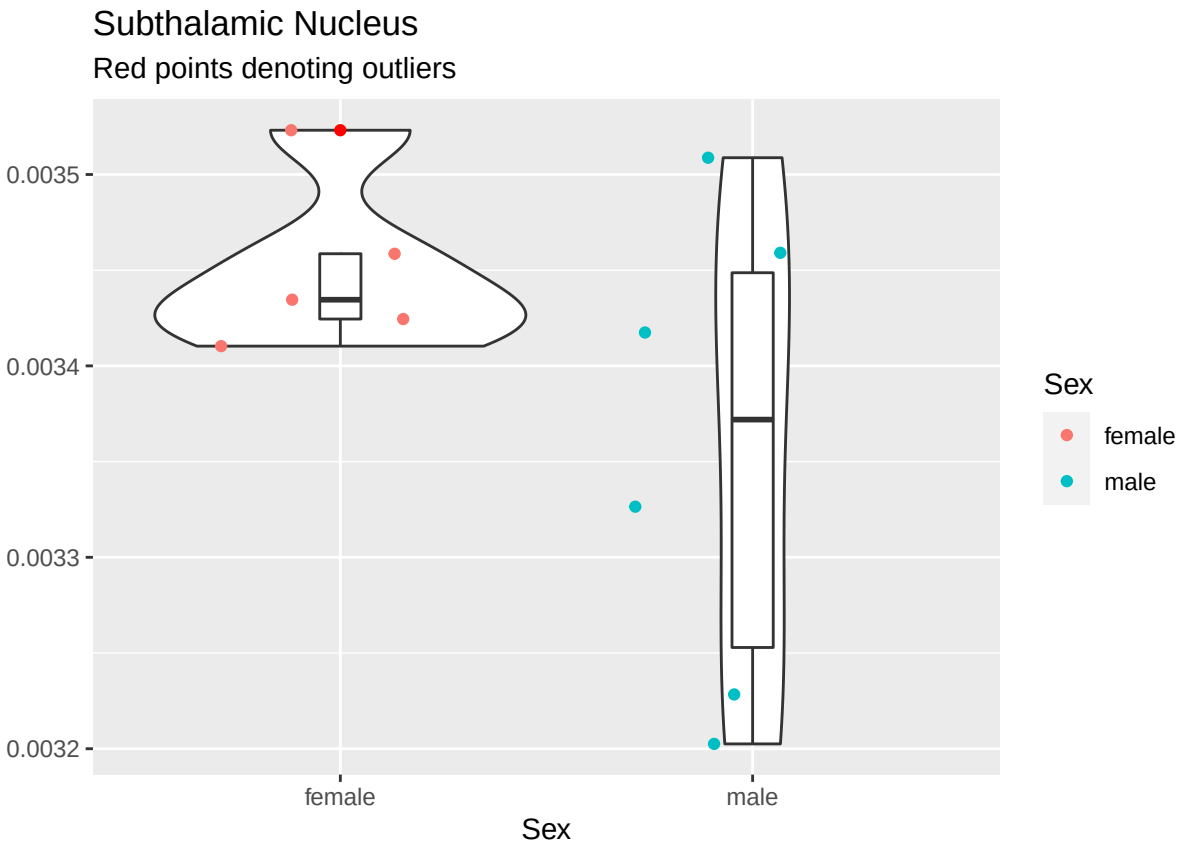

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 7.040e-09 7.043e-09   0.811  0.391
## Residuals    9 7.815e-08 8.683e-09
```



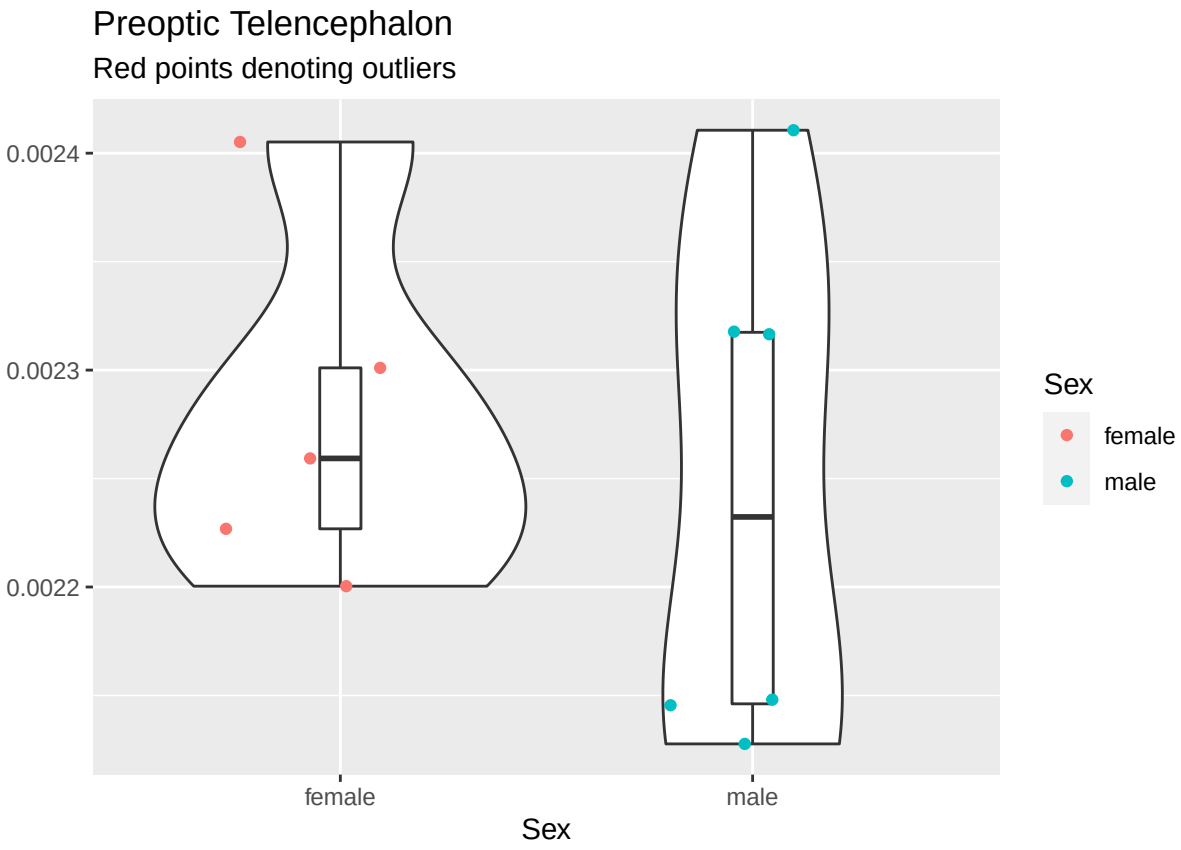

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.450e-08 1.455e-08    0.25  0.629
## Residuals    9 5.237e-07 5.818e-08
```



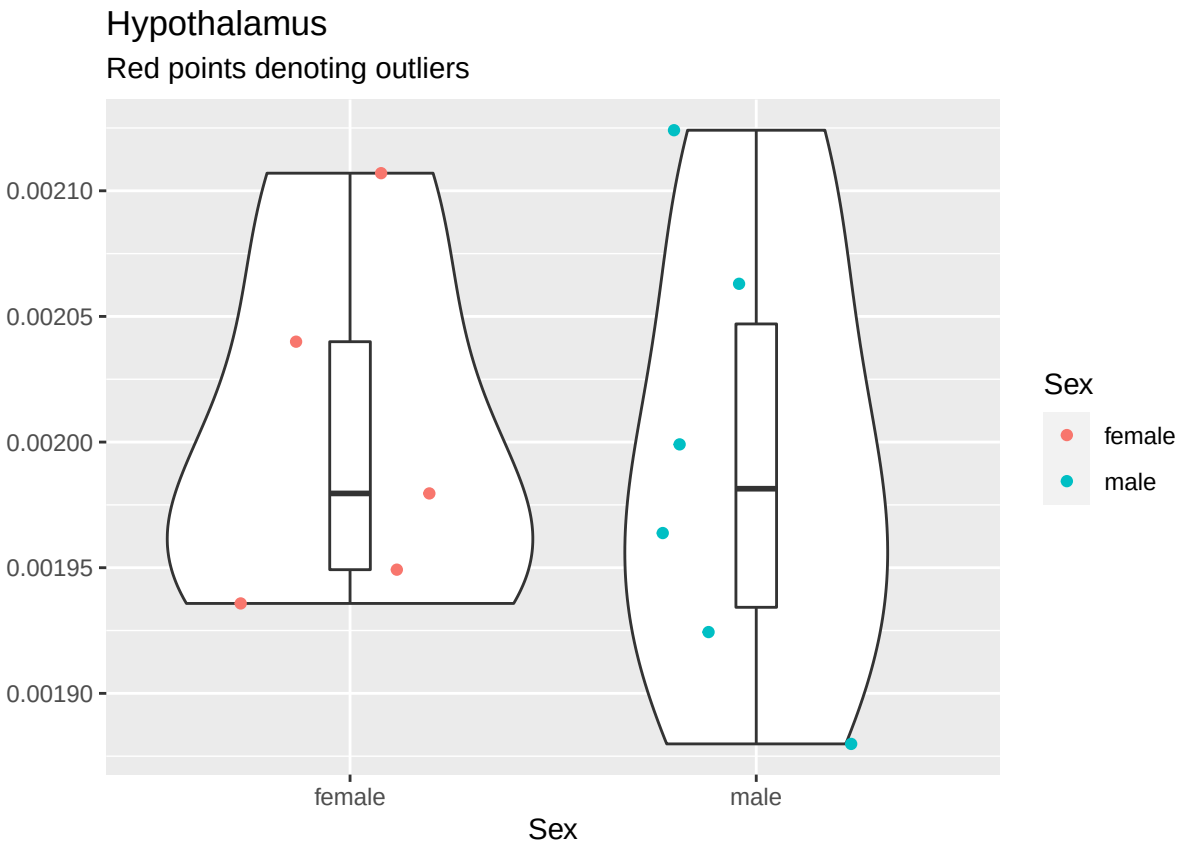

```
##             Df    Sum Sq  Mean Sq F value  Pr(>F)
## Sex          1 4.070e-08 4.07e-08   14.43 0.00422 **
## Residuals    9 2.537e-08 2.82e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



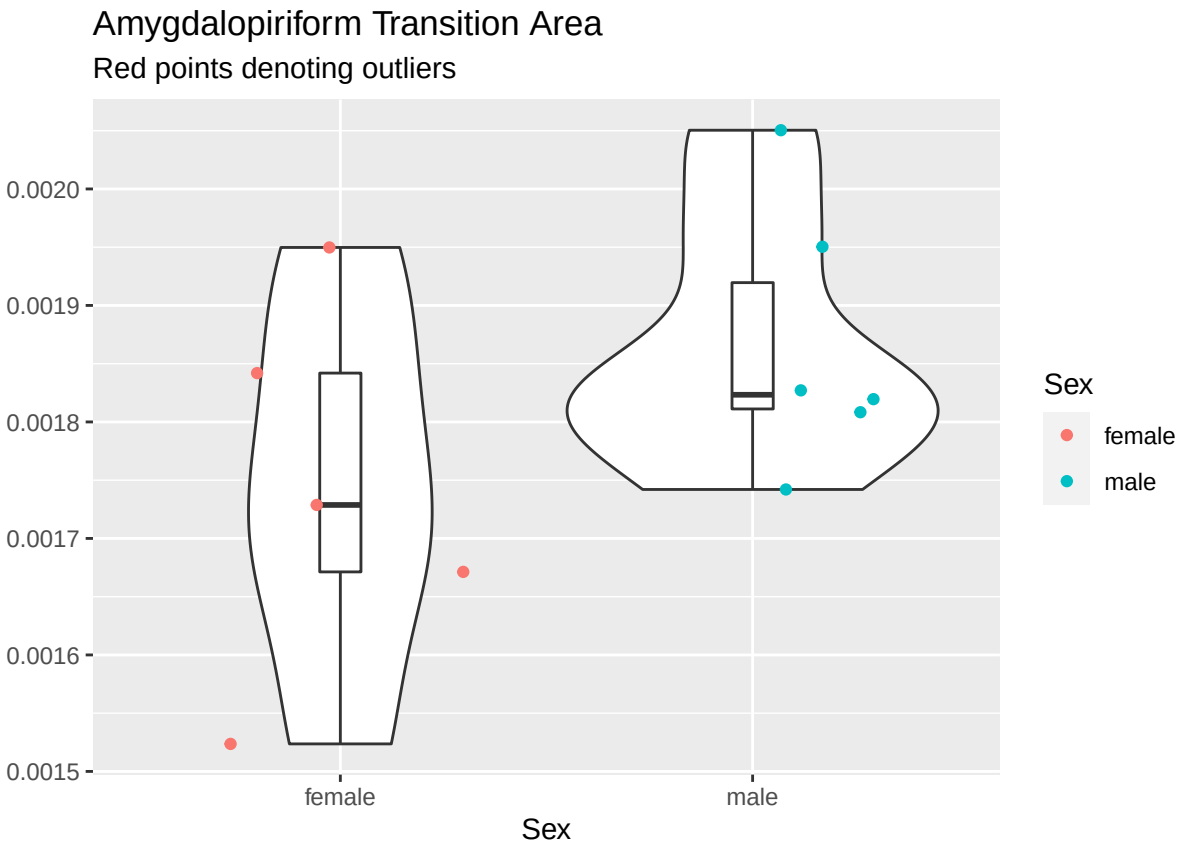

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 2.365e-08 2.365e-08   2.465  0.151
## Residuals     9 8.633e-08 9.592e-09
```



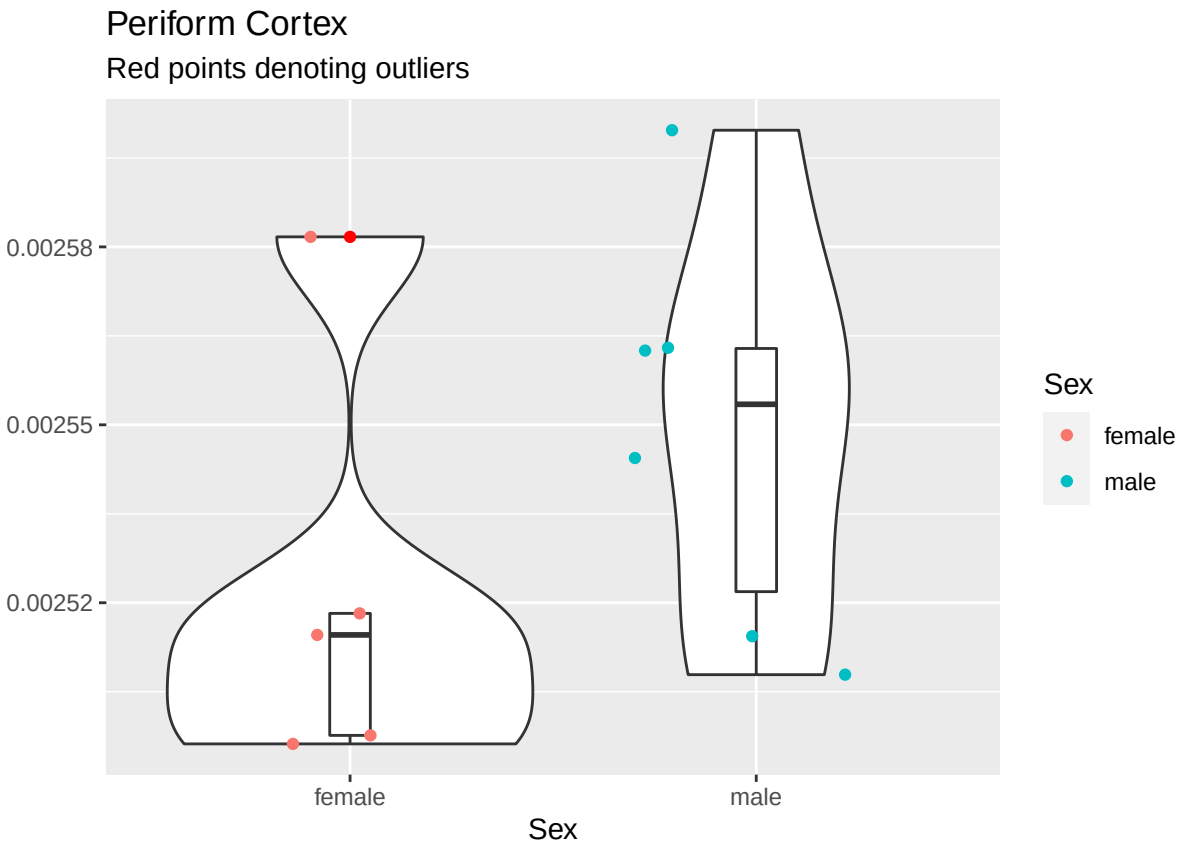

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.190e-09 3.188e-09   0.297  0.599
## Residuals    9 9.657e-08 1.073e-08
```



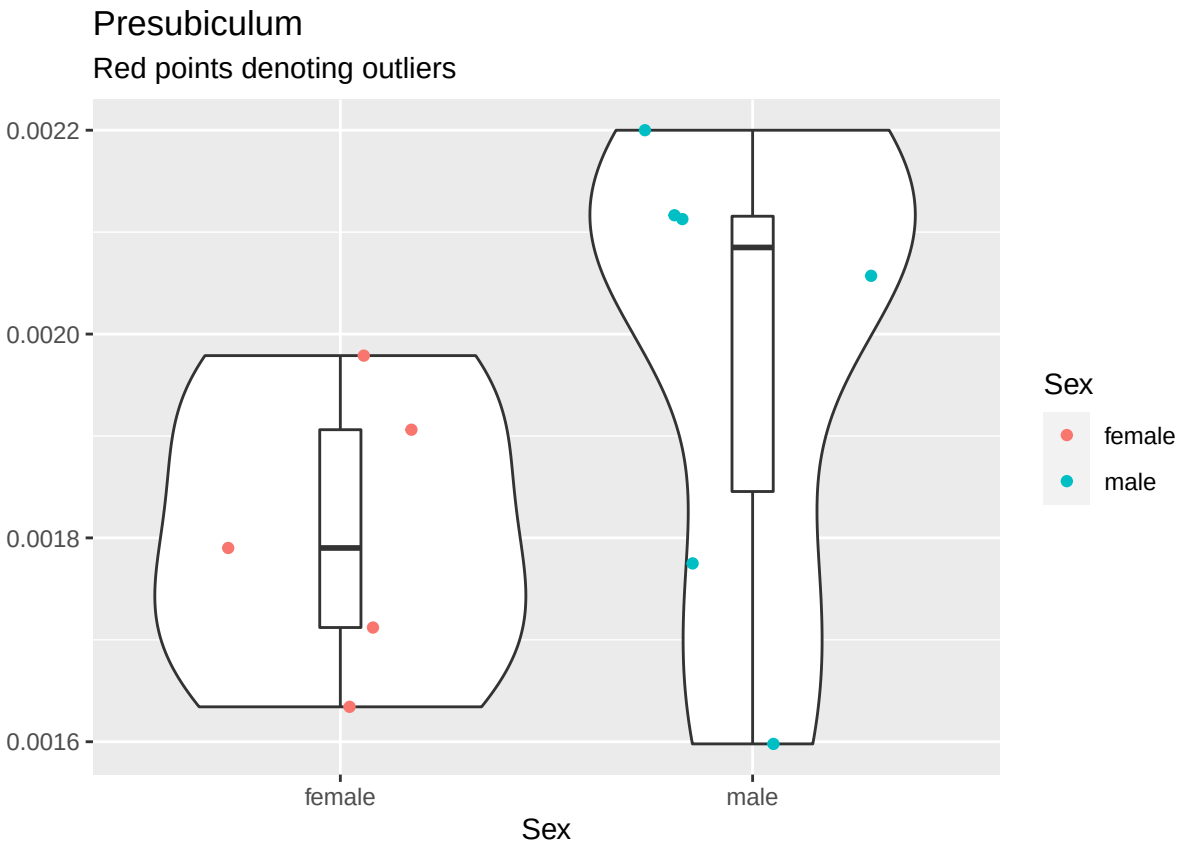

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.700e-10 2.690e-10    0.04  0.846
## Residuals    9 6.062e-08 6.735e-09
```



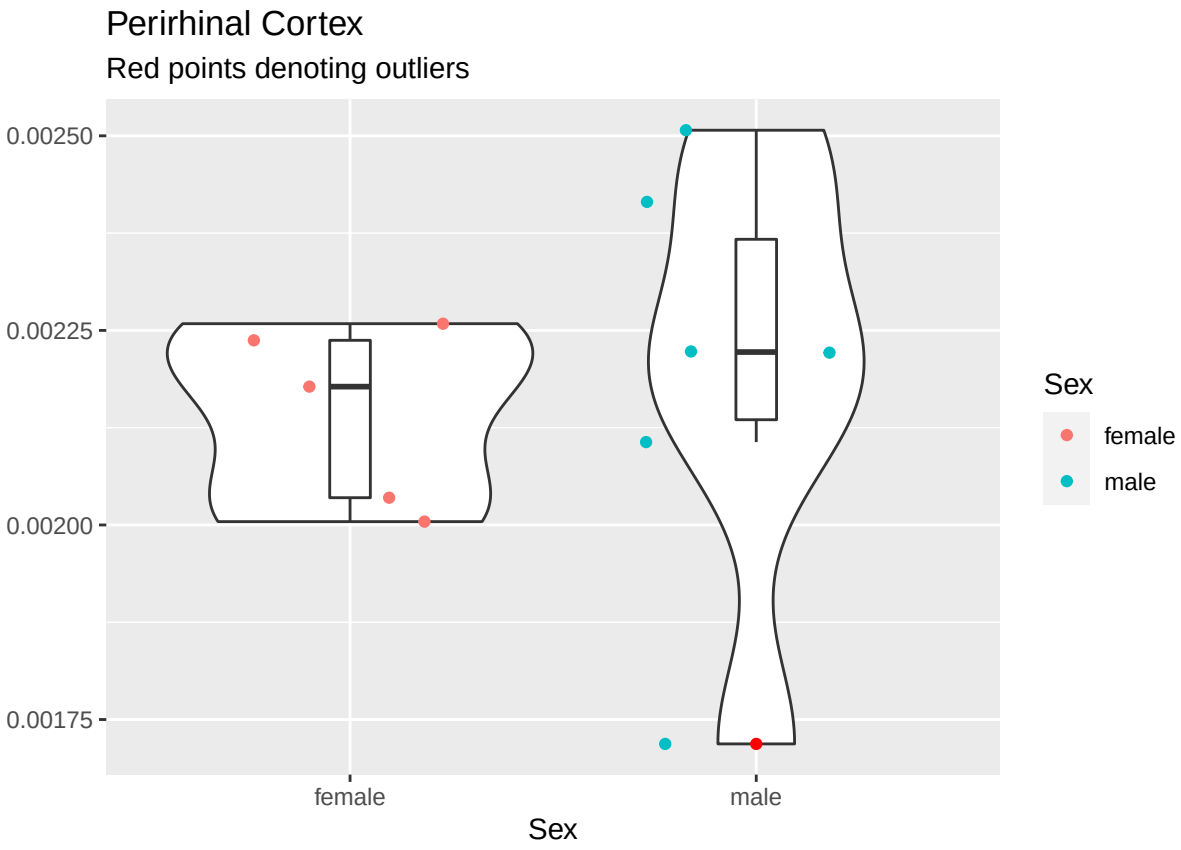

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.142e-08 4.142e-08   2.199  0.172
## Residuals    9 1.695e-07 1.883e-08
```



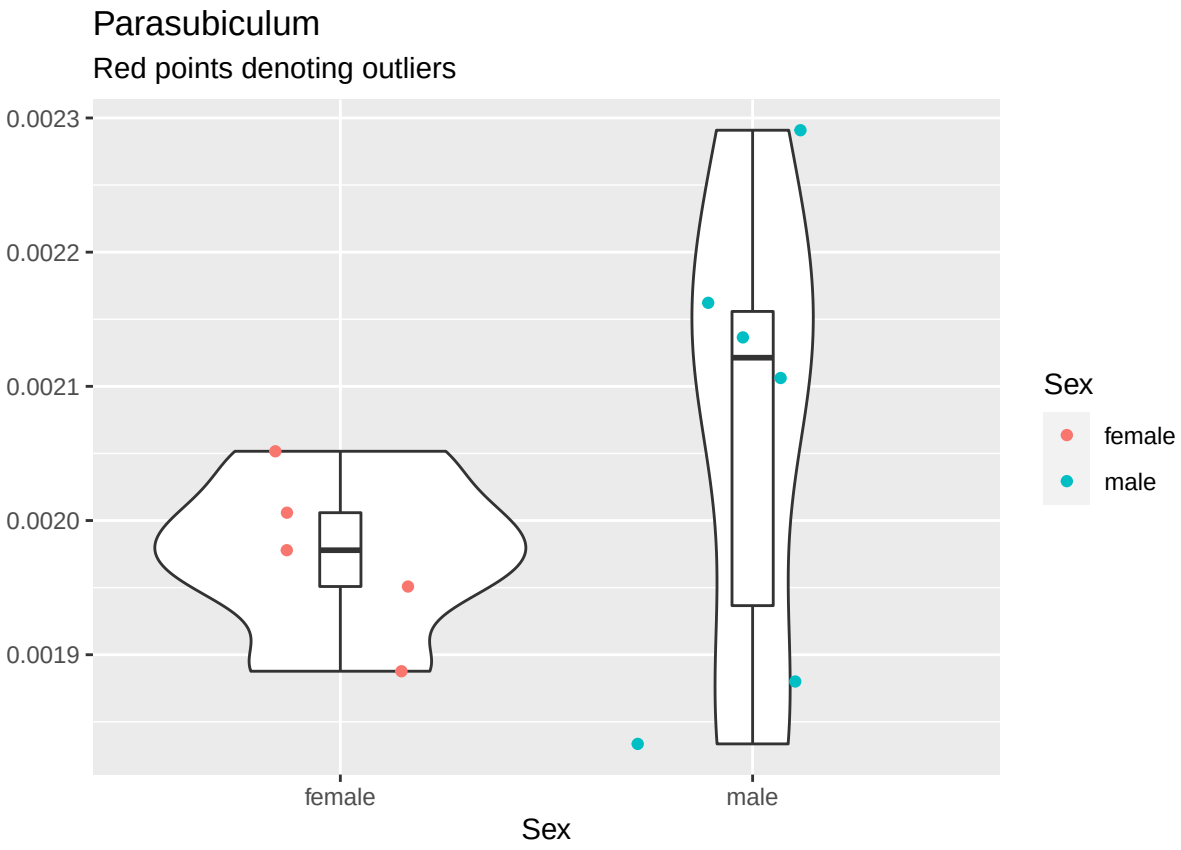

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.985e-09 1.984e-09   1.662   0.23
## Residuals    9 1.075e-08 1.194e-09
```



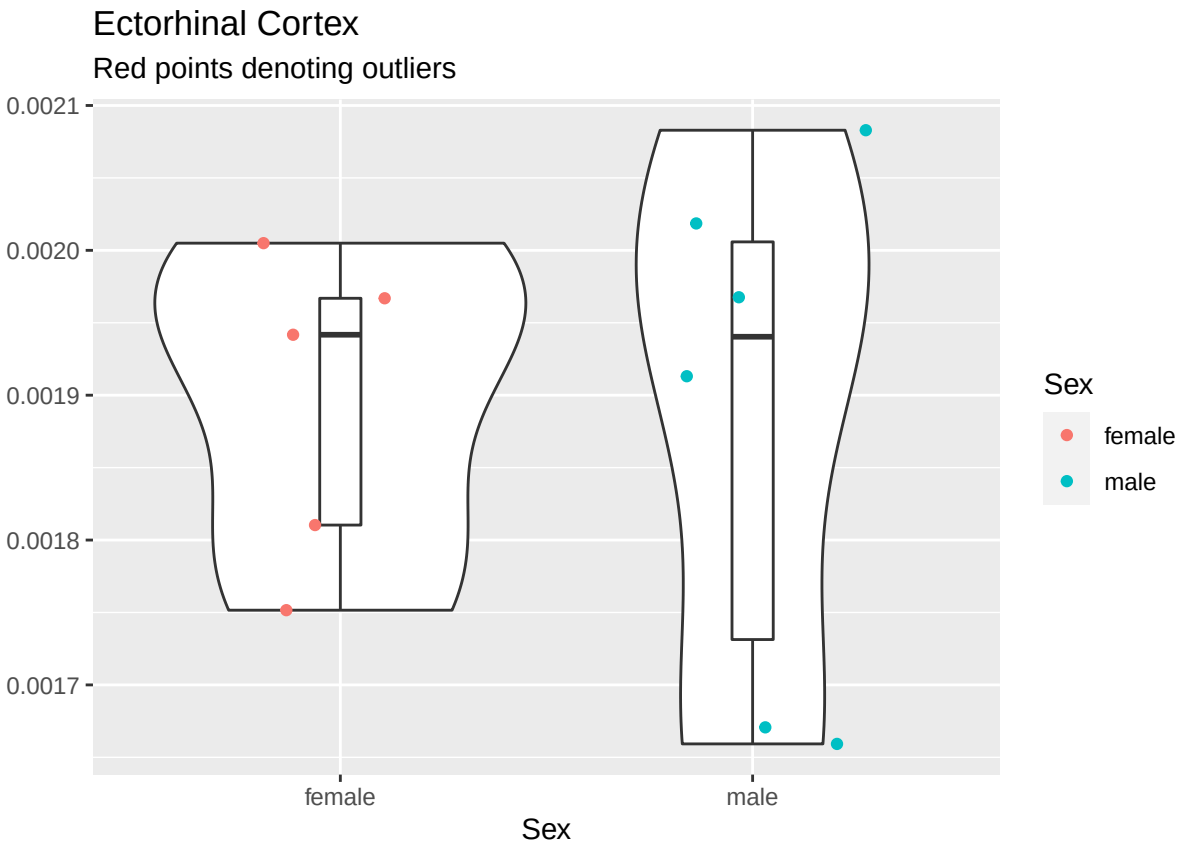

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 8.090e-08 8.094e-08    2.04  0.187
## Residuals    9 3.571e-07 3.968e-08
```



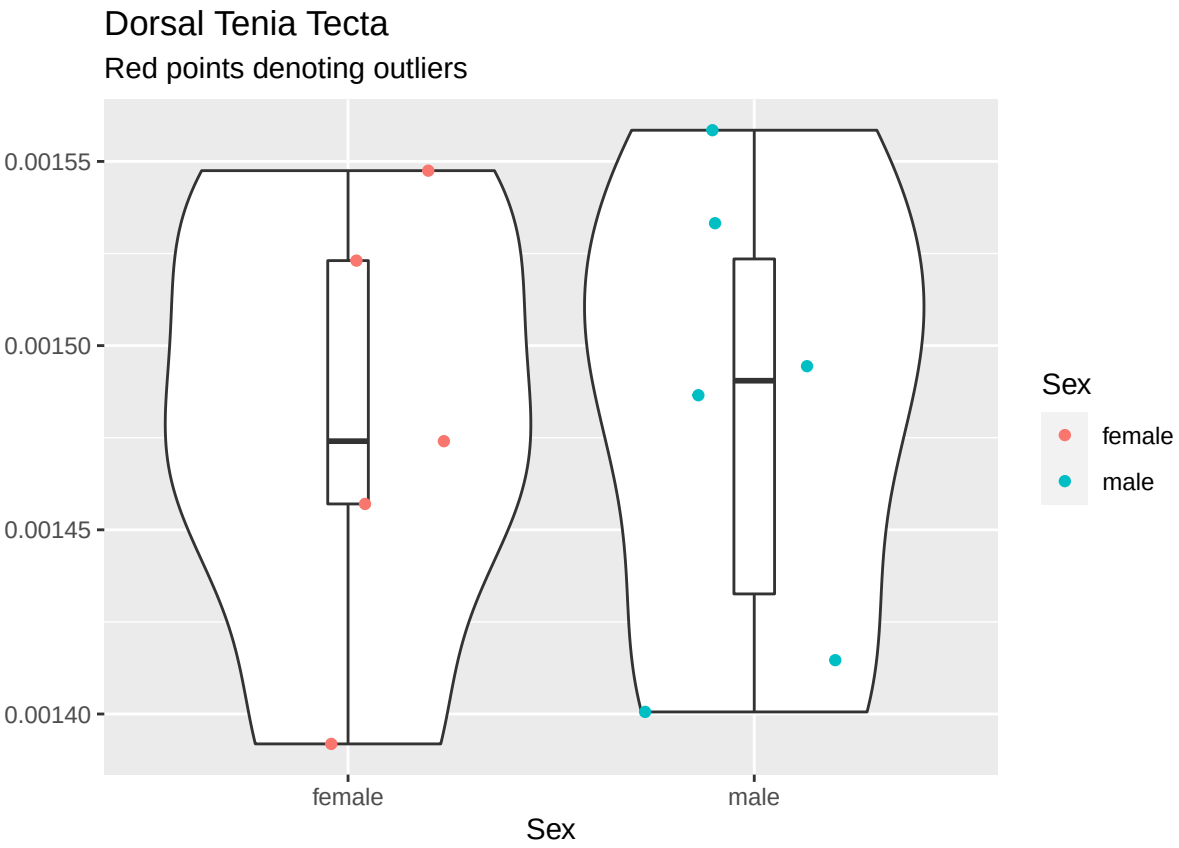

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 8.600e-09 8.570e-09   0.177  0.684
## Residuals    9 4.364e-07 4.849e-08
```



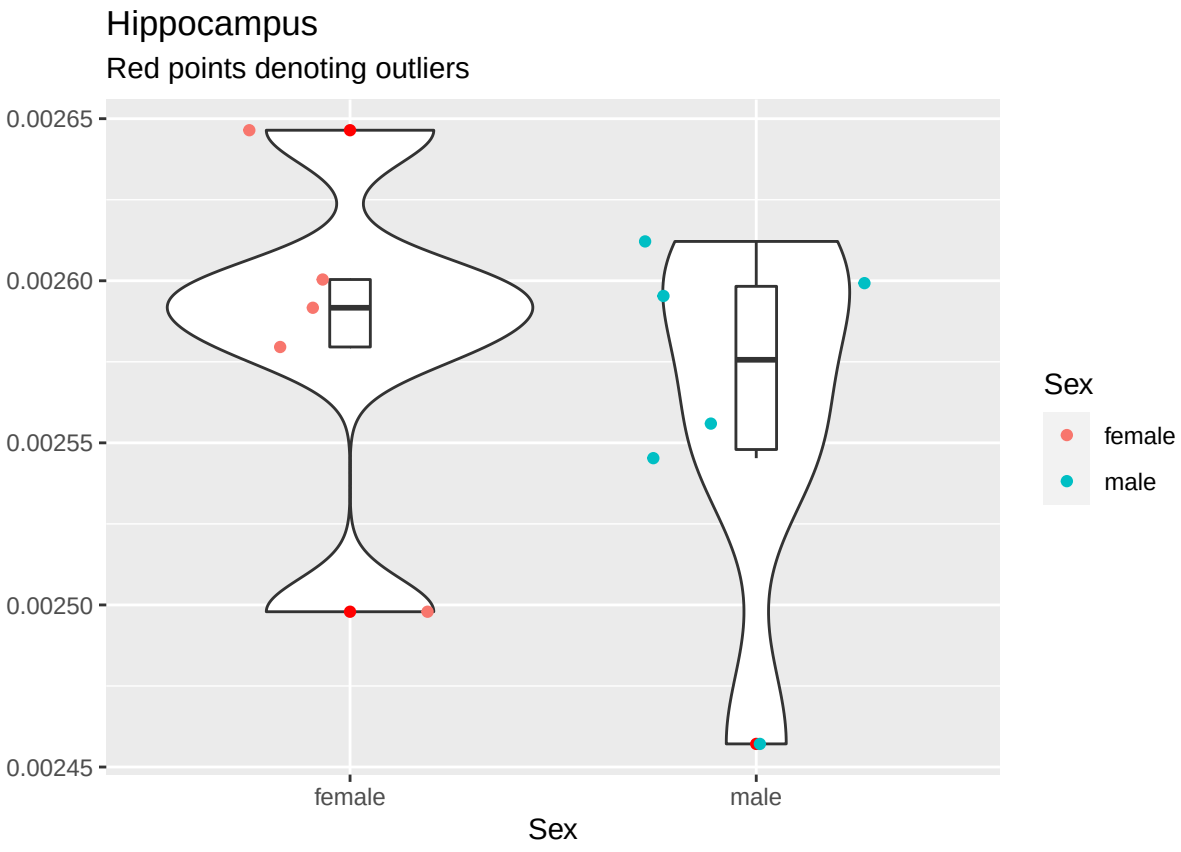

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 2.382e-08 2.382e-08   1.261  0.291
## Residuals     9 1.700e-07 1.889e-08
```



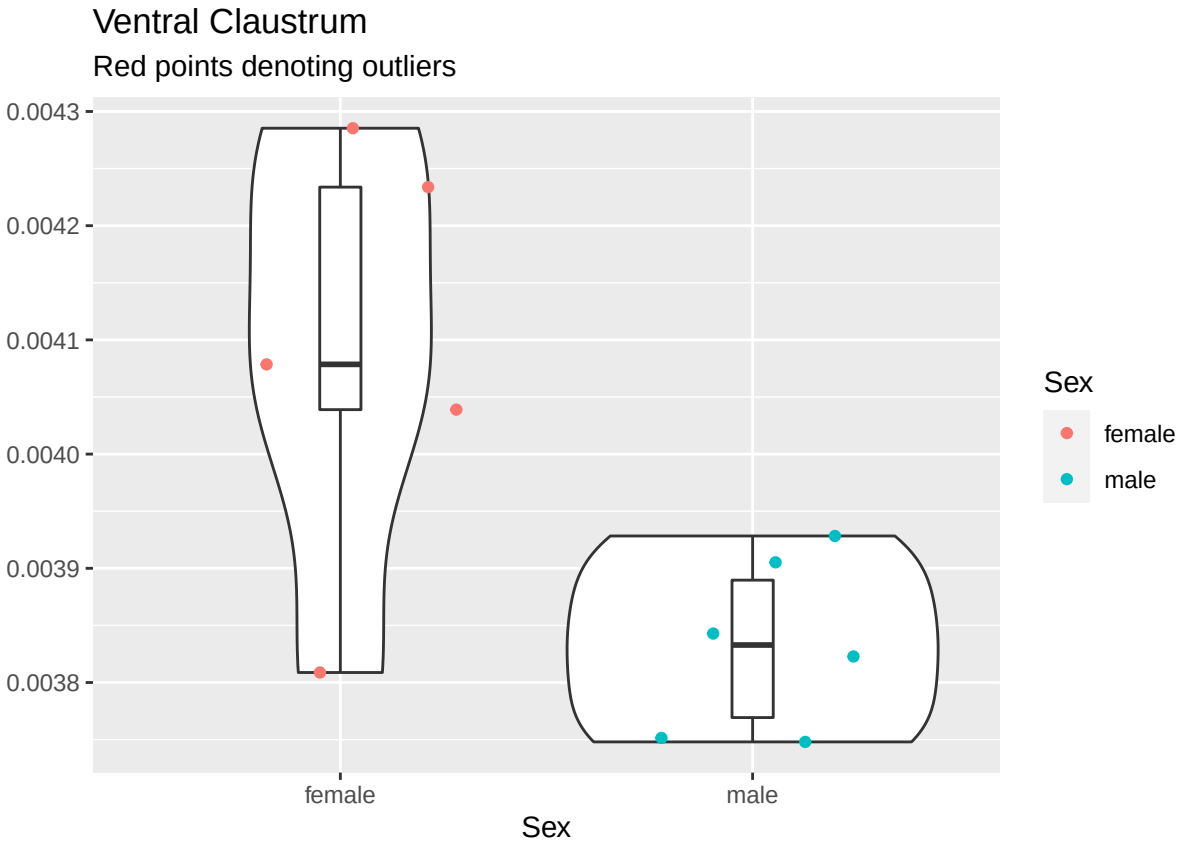

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.600e-10 2.590e-10   0.011  0.918
## Residuals    9 2.087e-07 2.319e-08
```



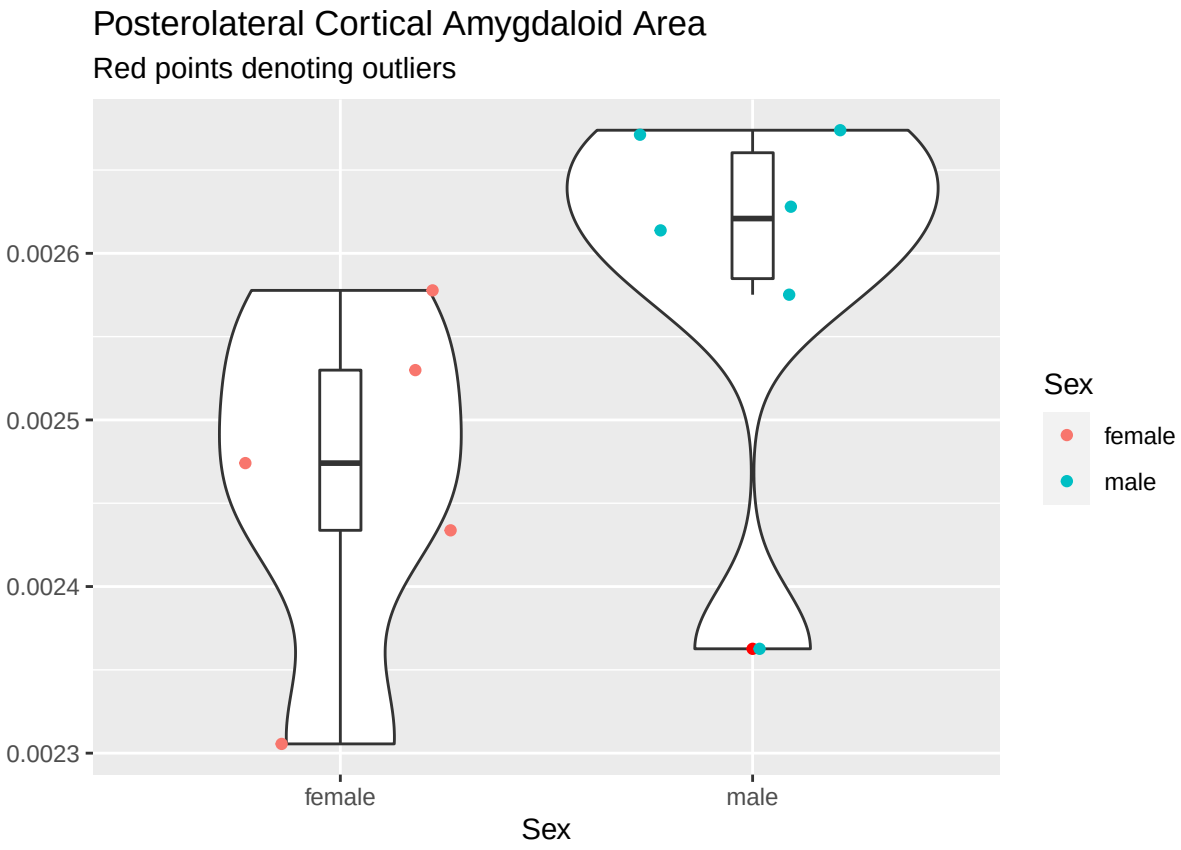

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.000e-11 1.800e-11   0.005  0.946
## Residuals    9 3.454e-08 3.838e-09
```



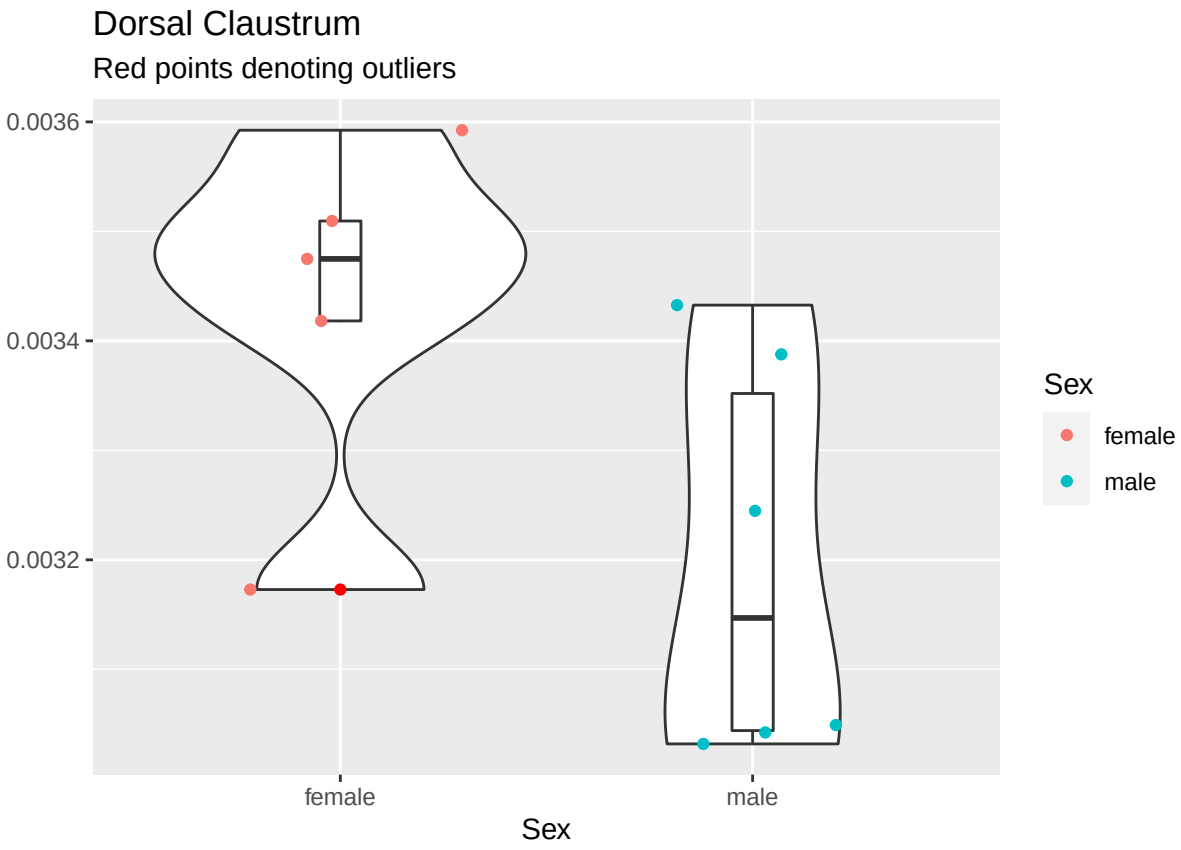

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.363e-09 1.363e-09   0.438  0.524
## Residuals    9 2.797e-08 3.108e-09
```



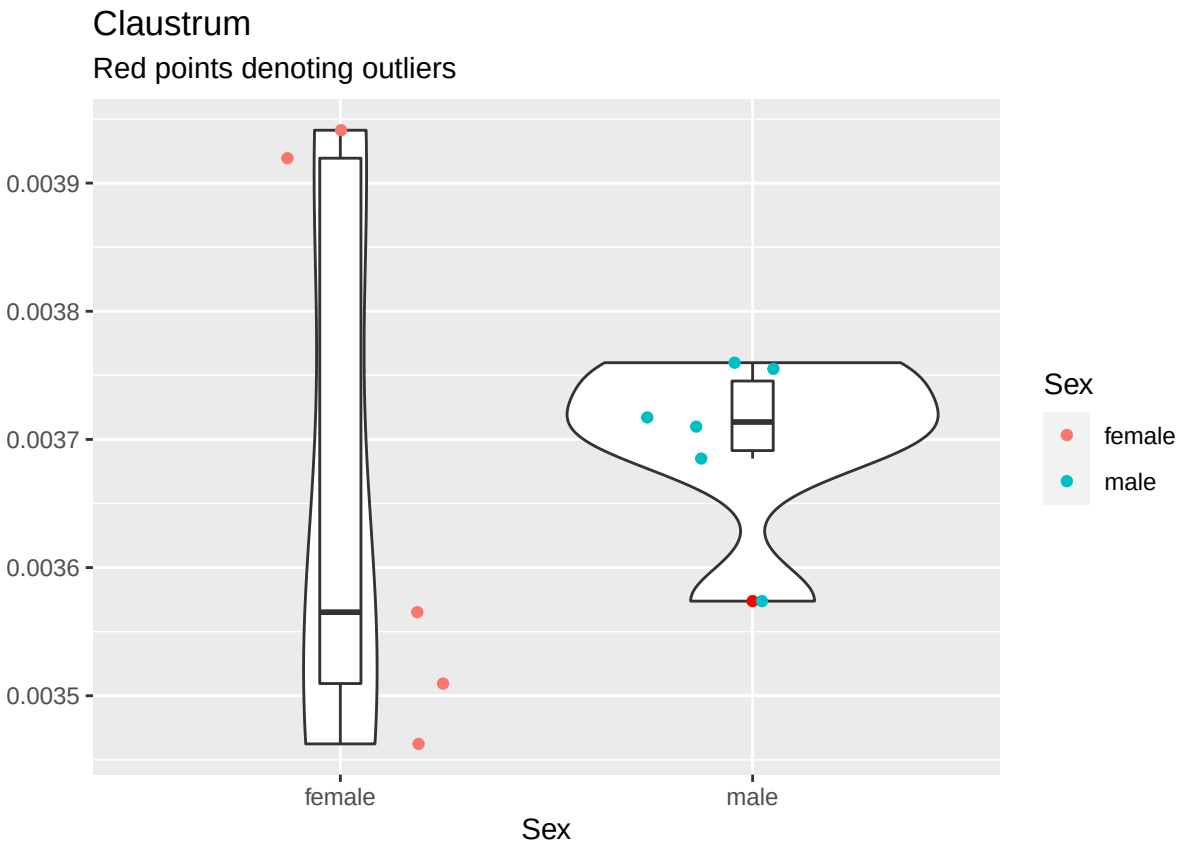

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.787e-07 1.787e-07   9.514  0.013 *
## Residuals    9 1.690e-07 1.878e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



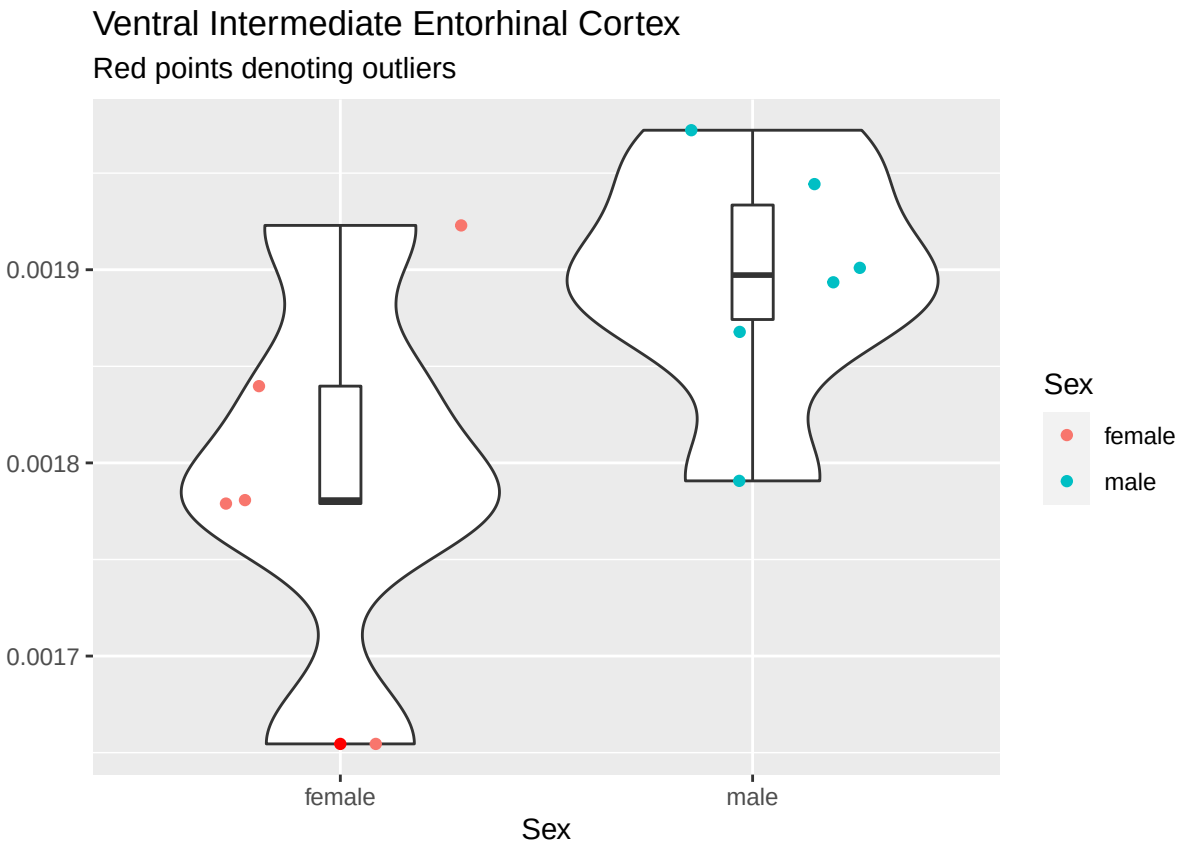

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.142e-08 4.142e-08    3.36    0.1 .
## Residuals    9 1.109e-07 1.233e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



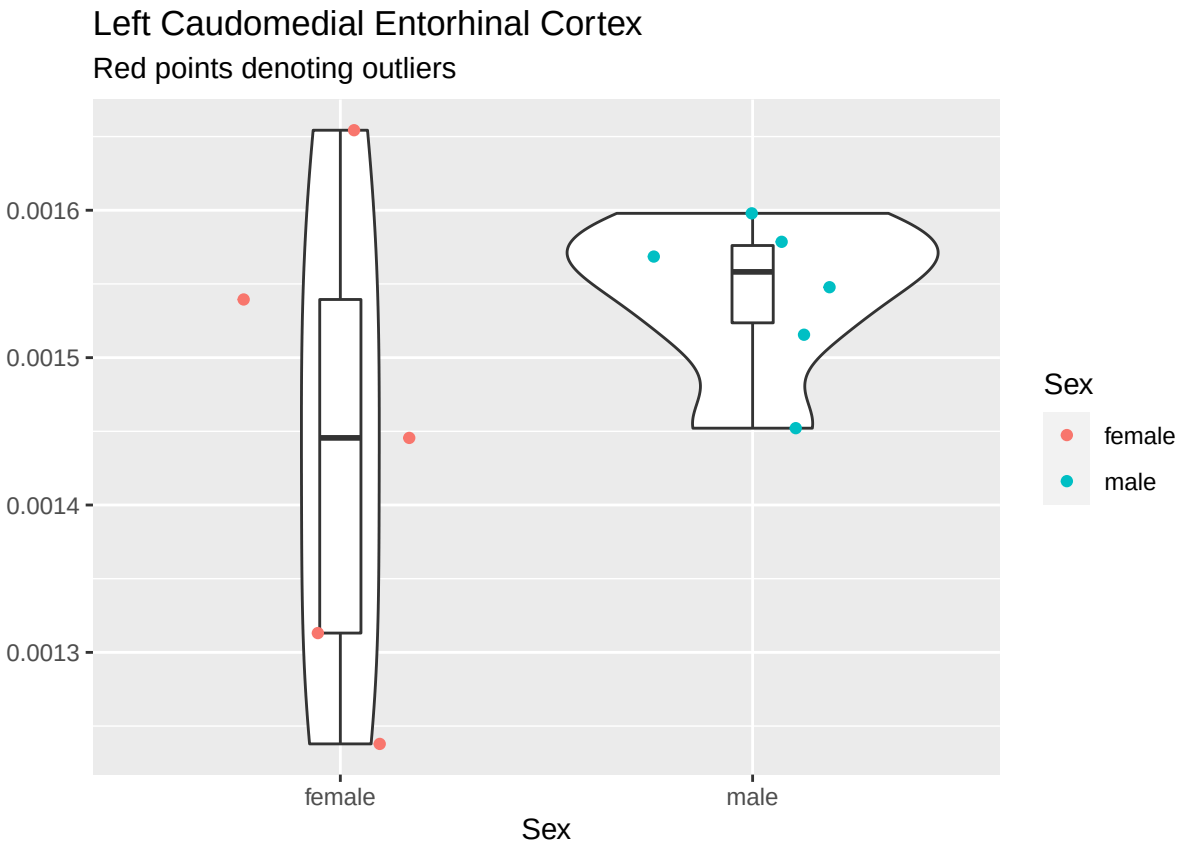

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.512e-07 1.512e-07   5.077 0.0507 .
## Residuals    9 2.681e-07 2.979e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



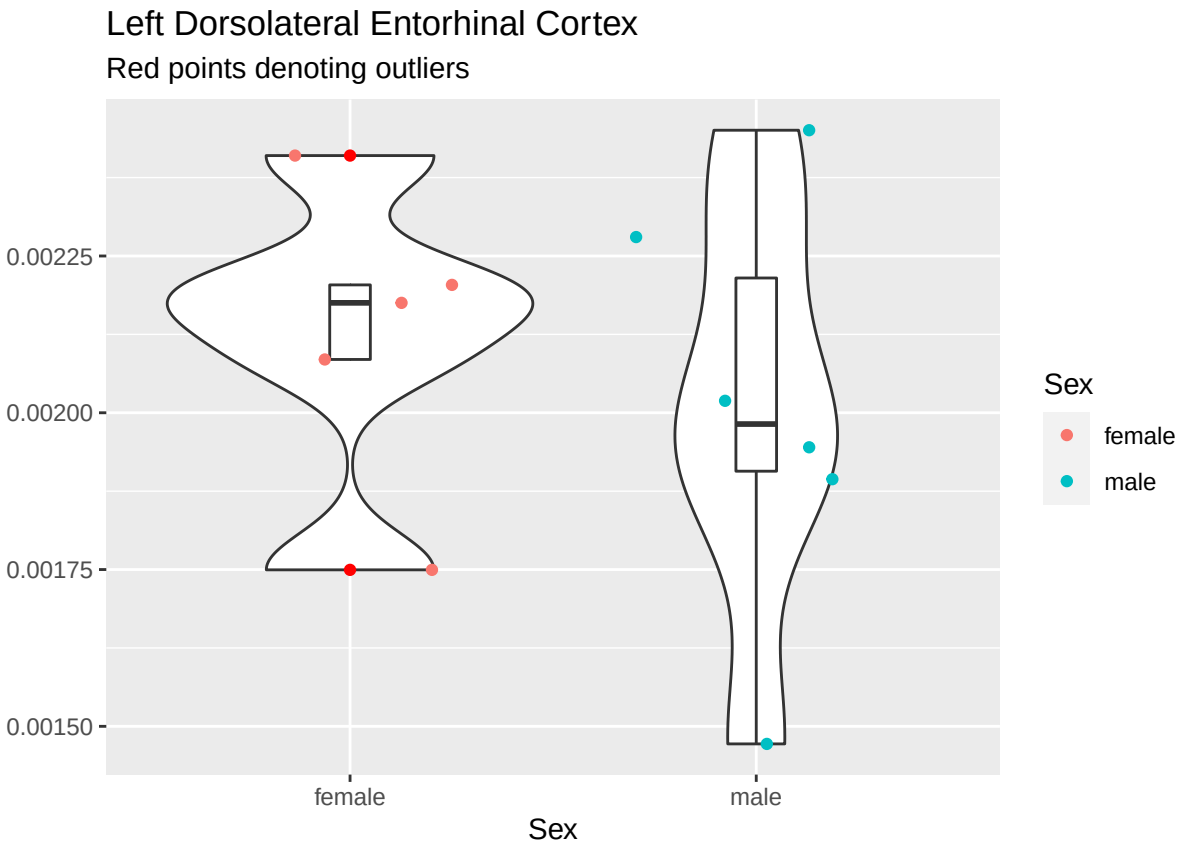

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.160e-09 1.157e-09   0.044  0.839
## Residuals    9 2.383e-07 2.648e-08
```



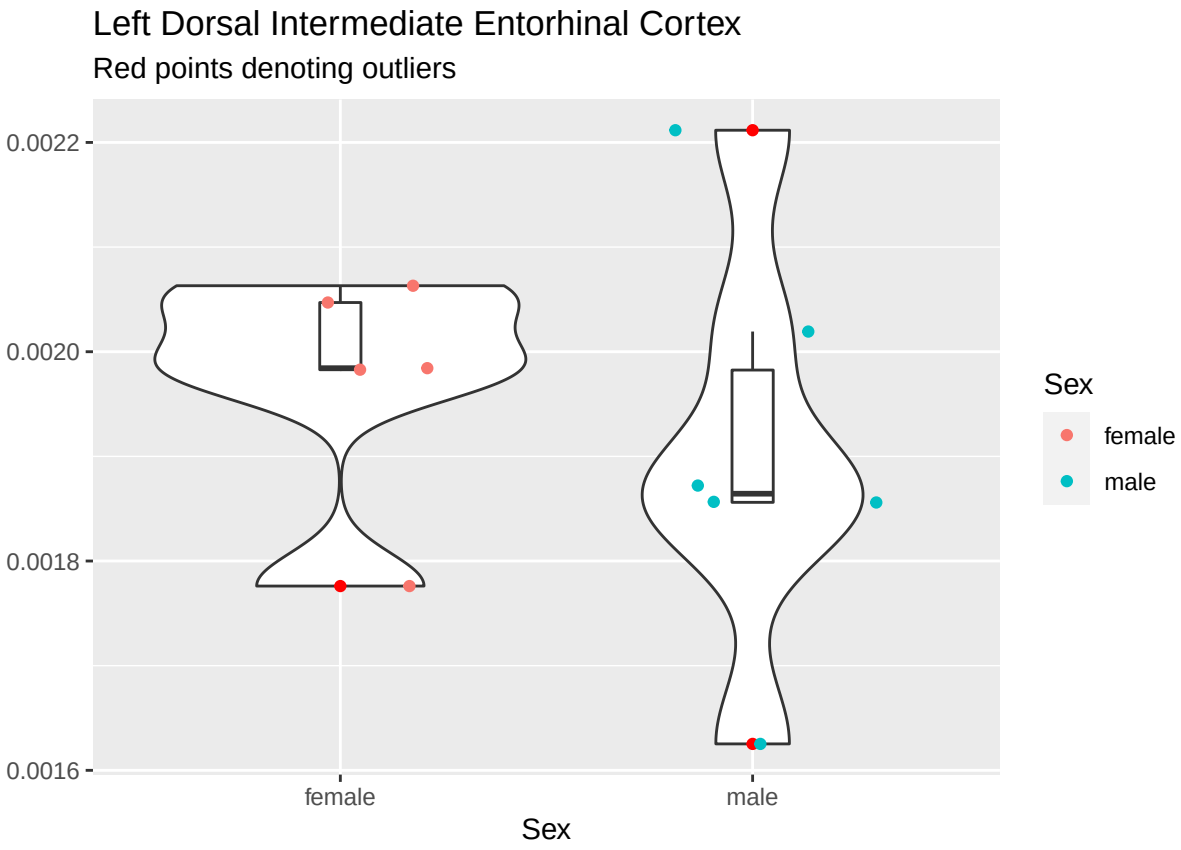

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.702e-08 2.702e-08   4.149 0.0721 .
## Residuals    9 5.861e-08 6.513e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



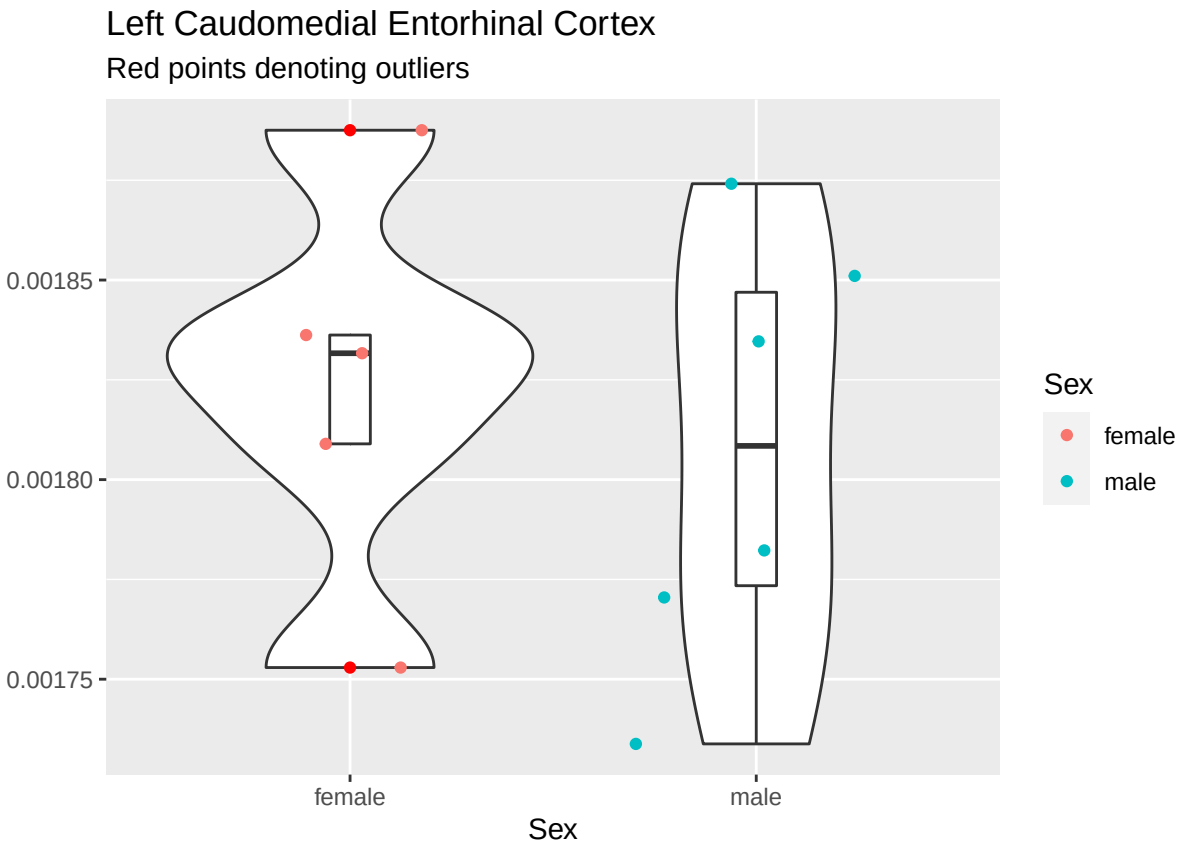

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 3.028e-08 3.028e-08    2.15  0.177
## Residuals     9 1.267e-07 1.408e-08
```



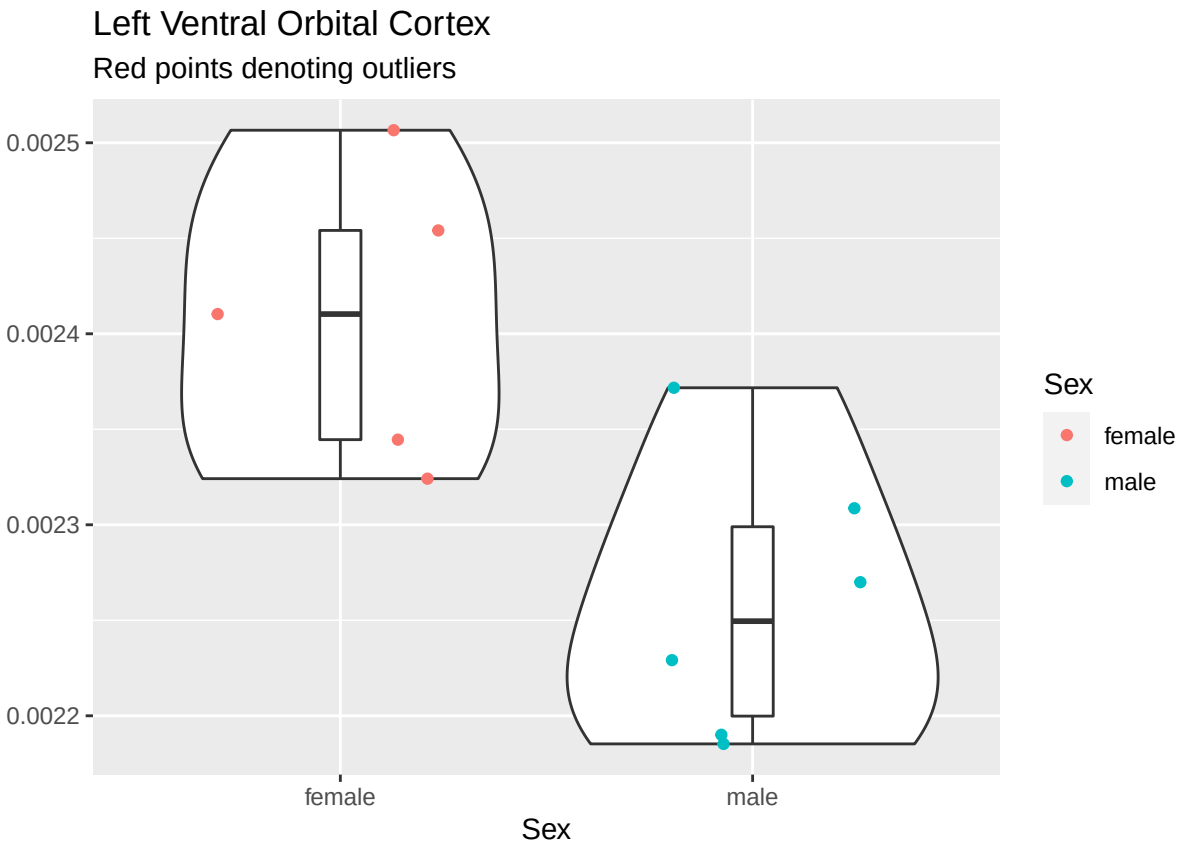

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.580e-08 3.583e-08     0.4  0.543
## Residuals    9 8.069e-07 8.965e-08
```



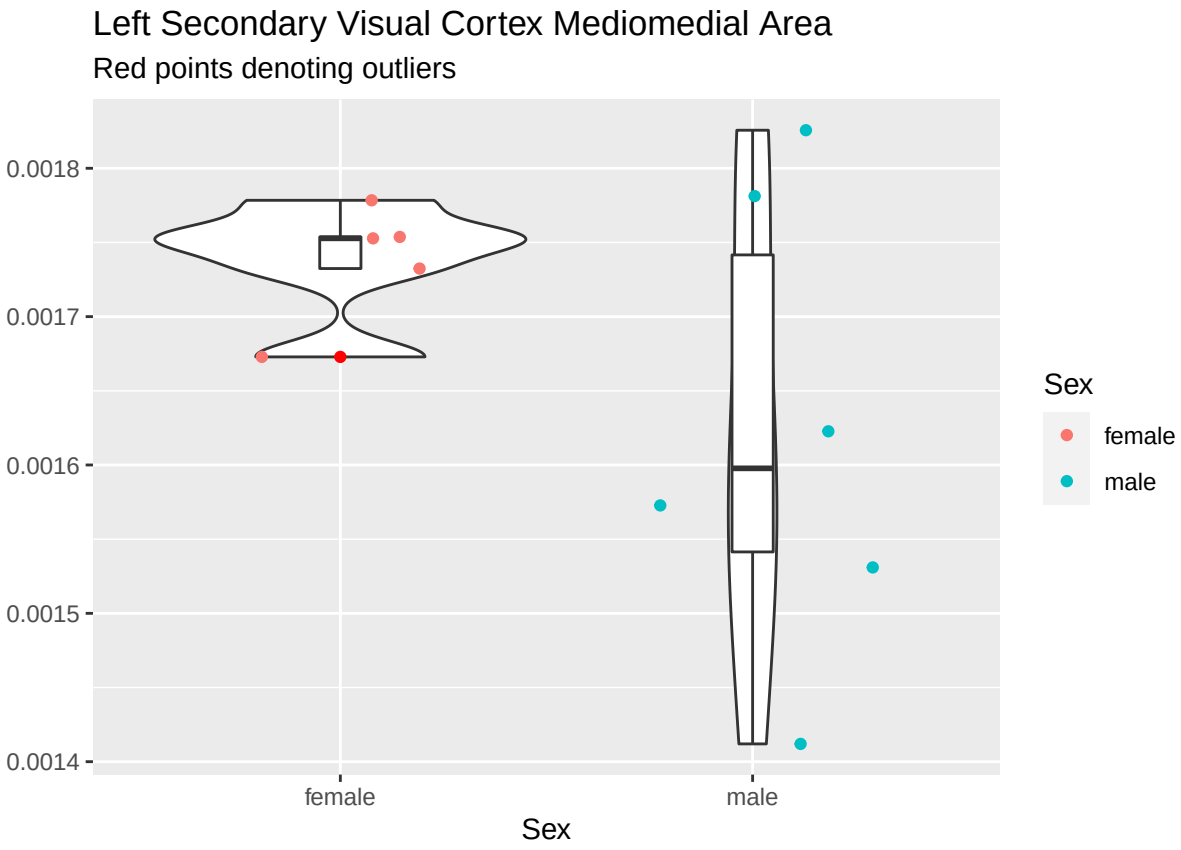

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.112e-08 1.112e-08   0.411  0.538
## Residuals    9 2.438e-07 2.709e-08
```



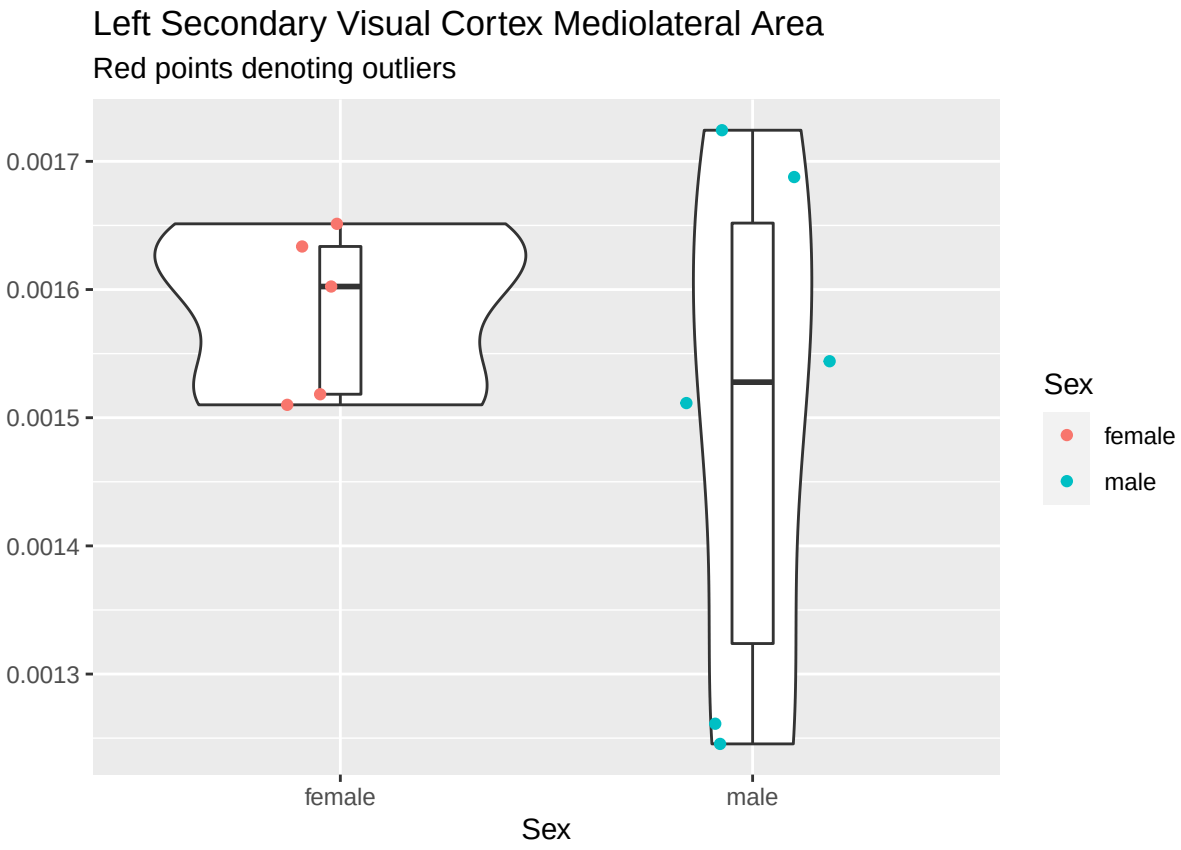

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 6.750e-10 6.754e-10   0.253  0.627
## Residuals    9 2.403e-08 2.670e-09
```



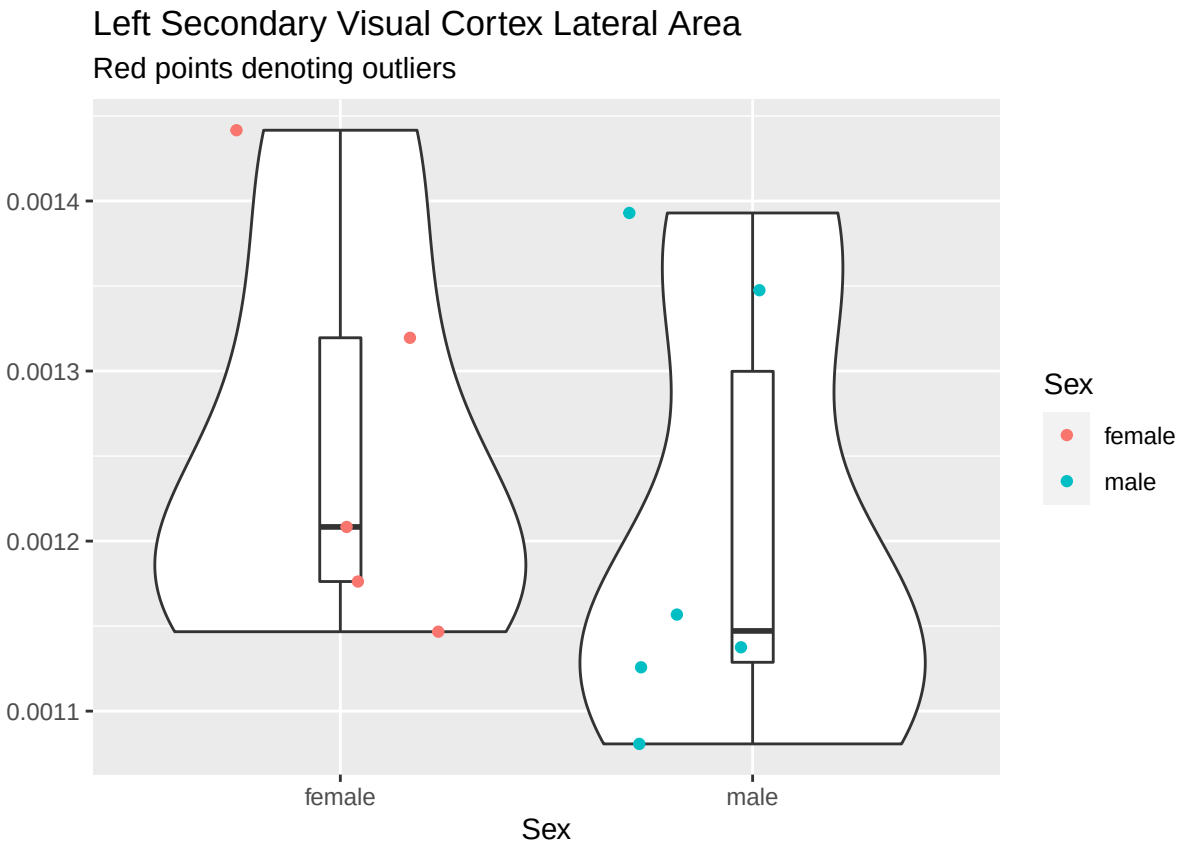

```
##             Df    Sum Sq  Mean Sq F value  Pr(>F)
## Sex          1 6.040e-08 6.04e-08   11.03 0.00892 **
## Residuals    9 4.928e-08 5.48e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



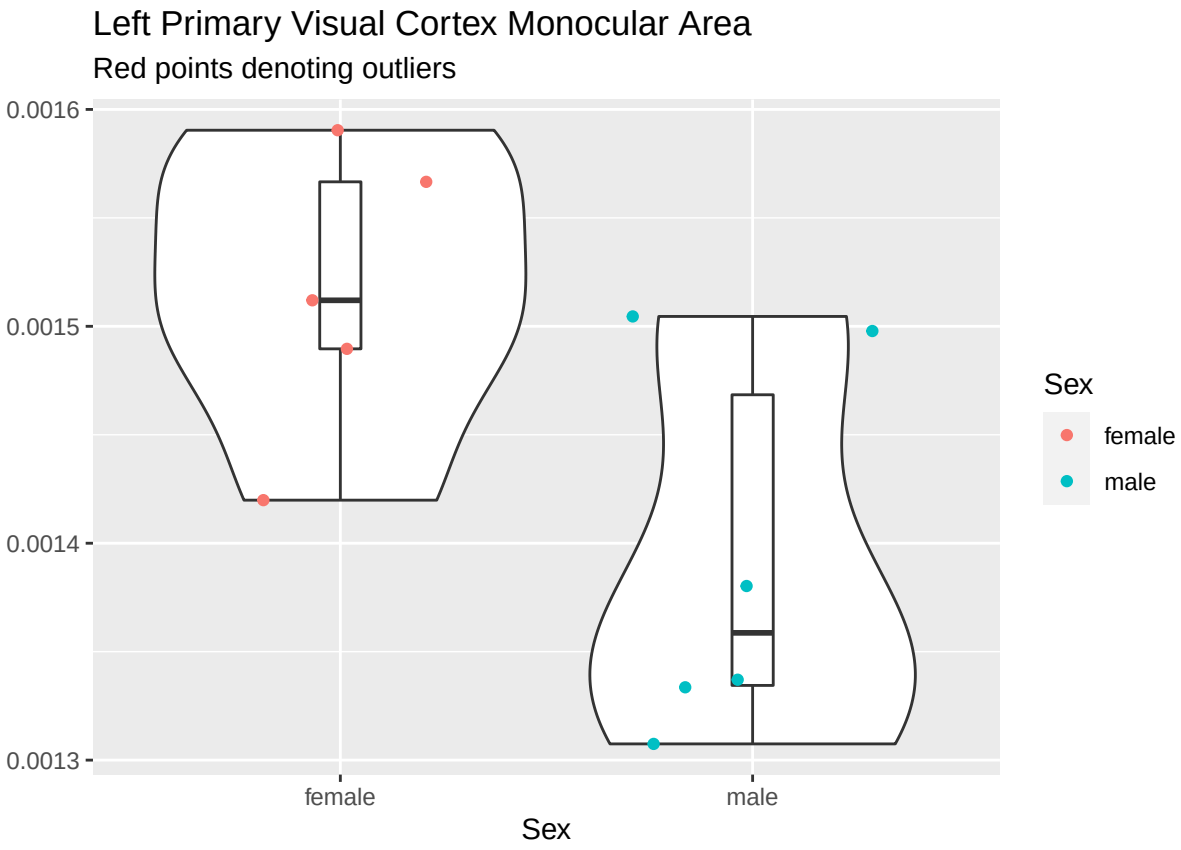

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 3.534e-08 3.534e-08   2.485  0.149
## Residuals     9 1.280e-07 1.422e-08
```



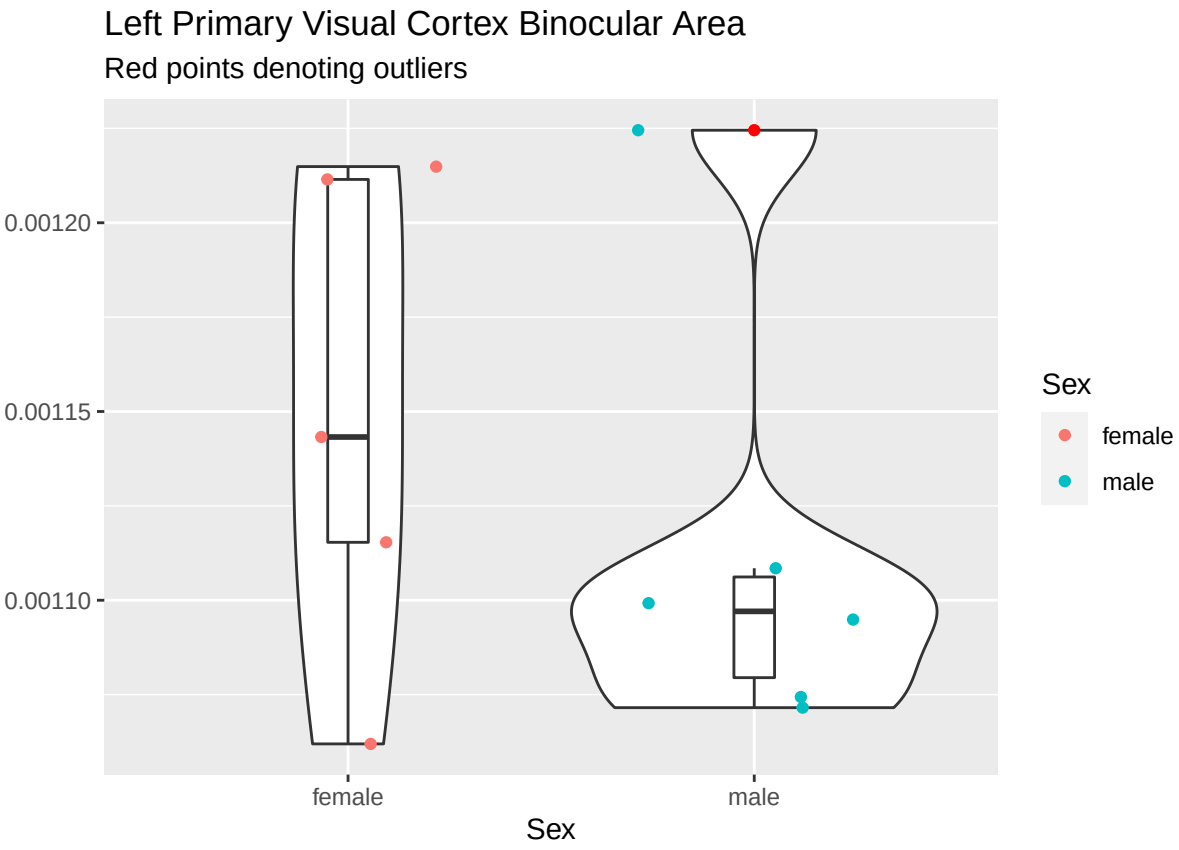

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.083e-08 2.083e-08   0.828  0.387
## Residuals    9 2.264e-07 2.515e-08
```



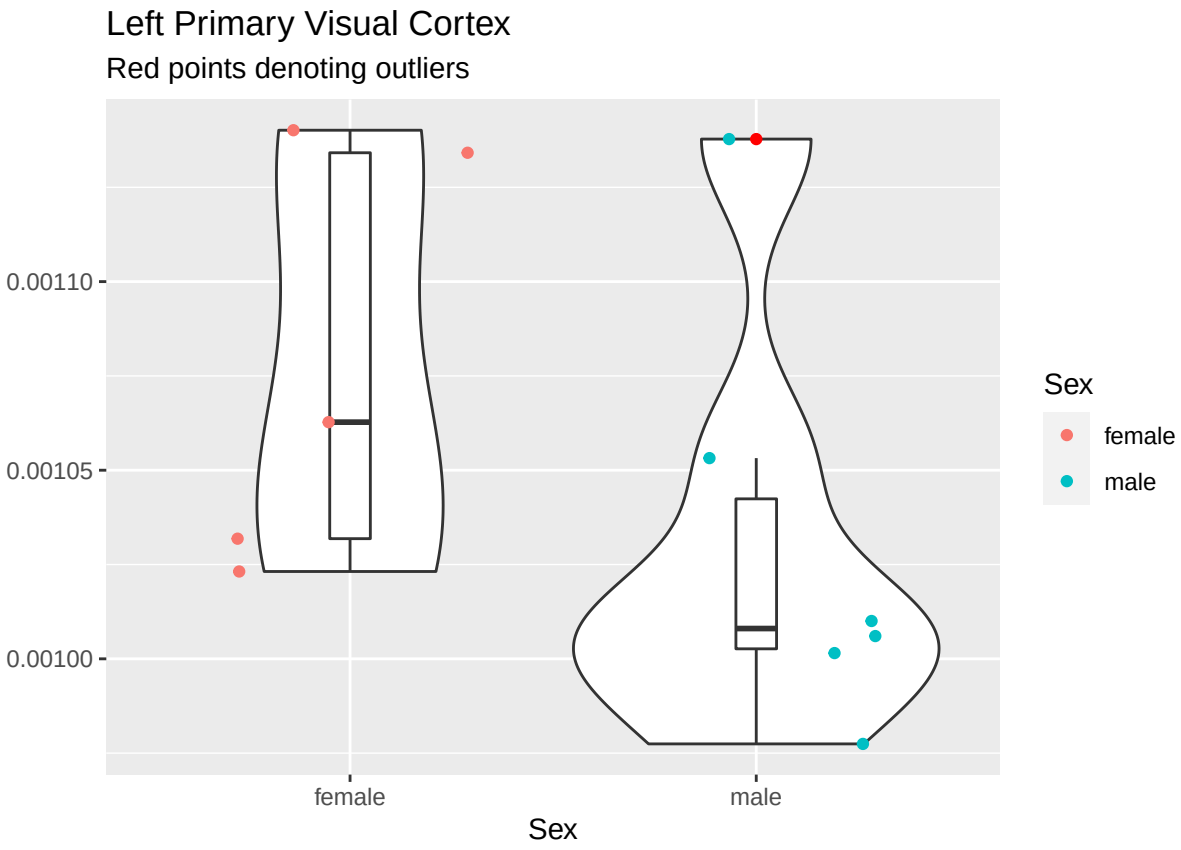

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 7.260e-09 7.261e-09   0.456  0.516
## Residuals    9 1.433e-07 1.592e-08
```



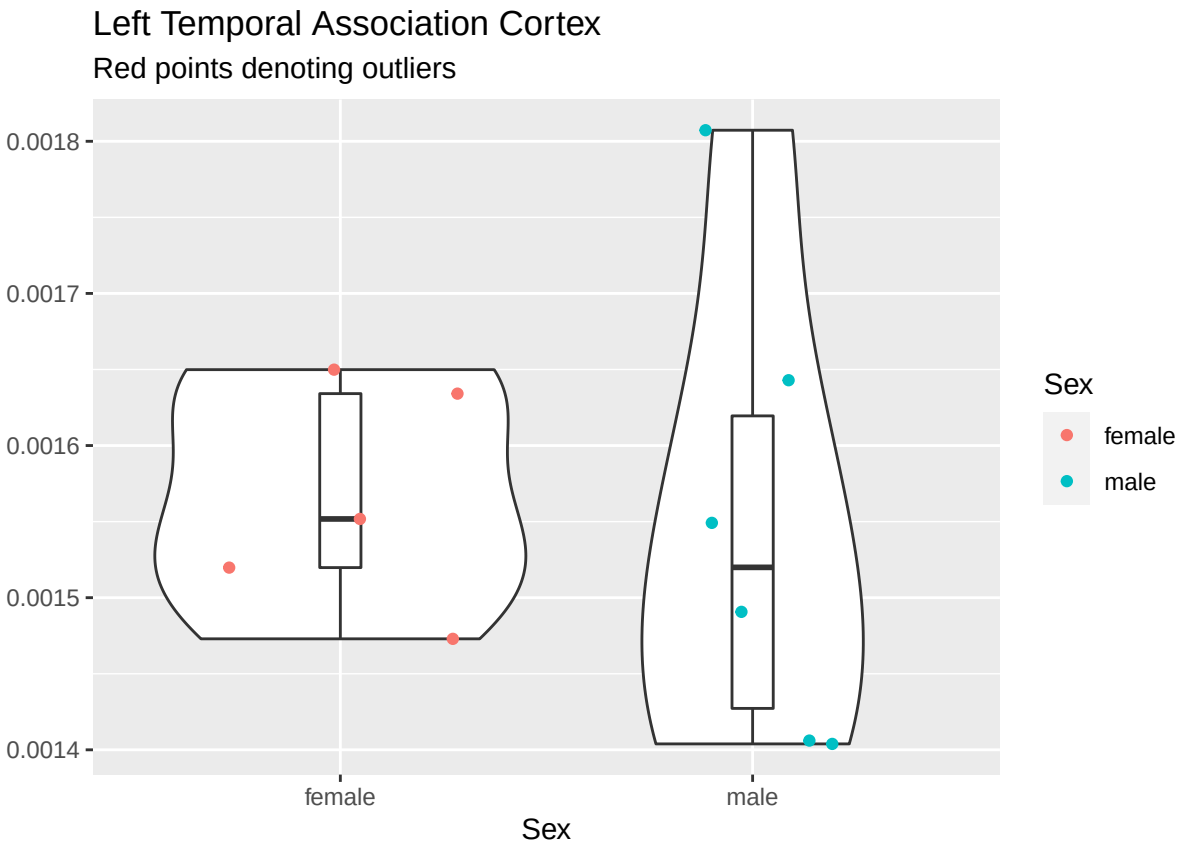

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.075e-08 4.075e-08   6.594 0.0303 *
## Residuals    9 5.563e-08 6.180e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



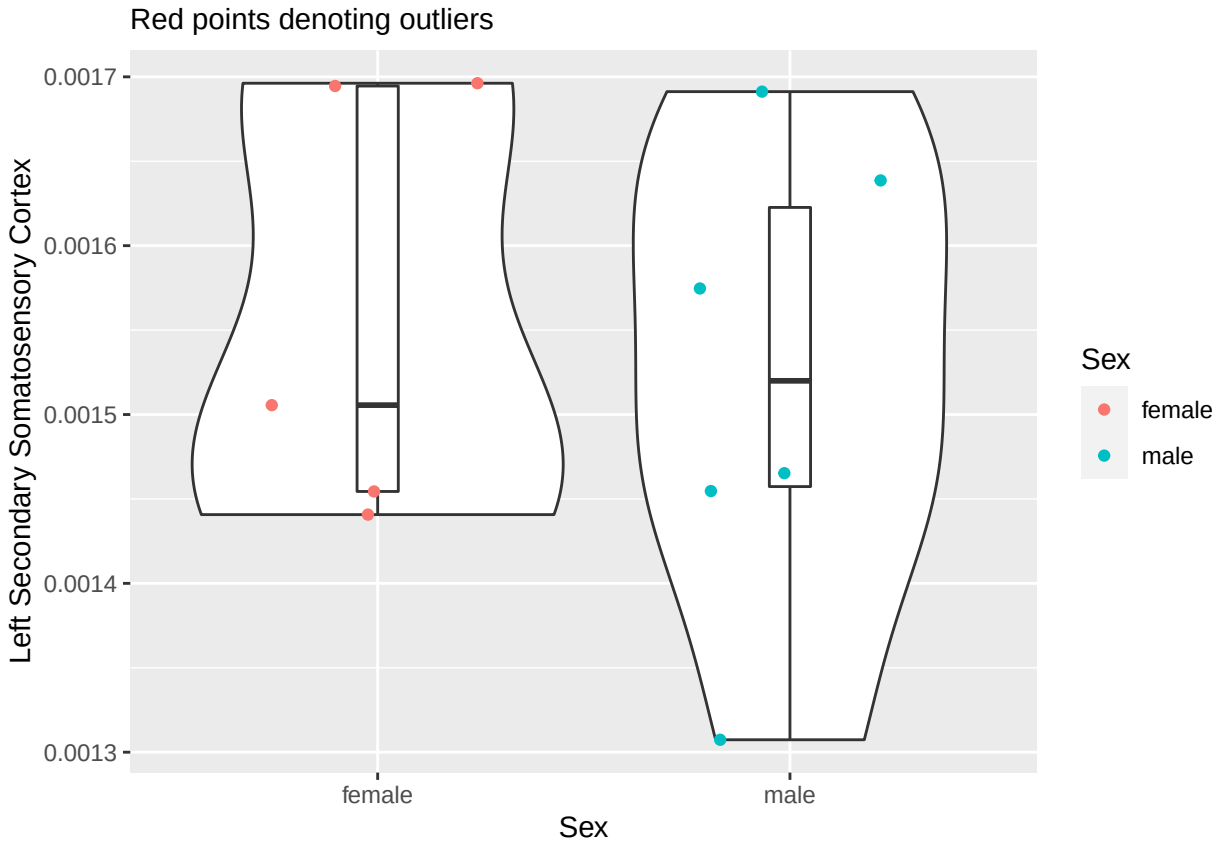

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.780e-09 3.776e-09   1.025  0.338
## Residuals    9 3.317e-08 3.685e-09
```



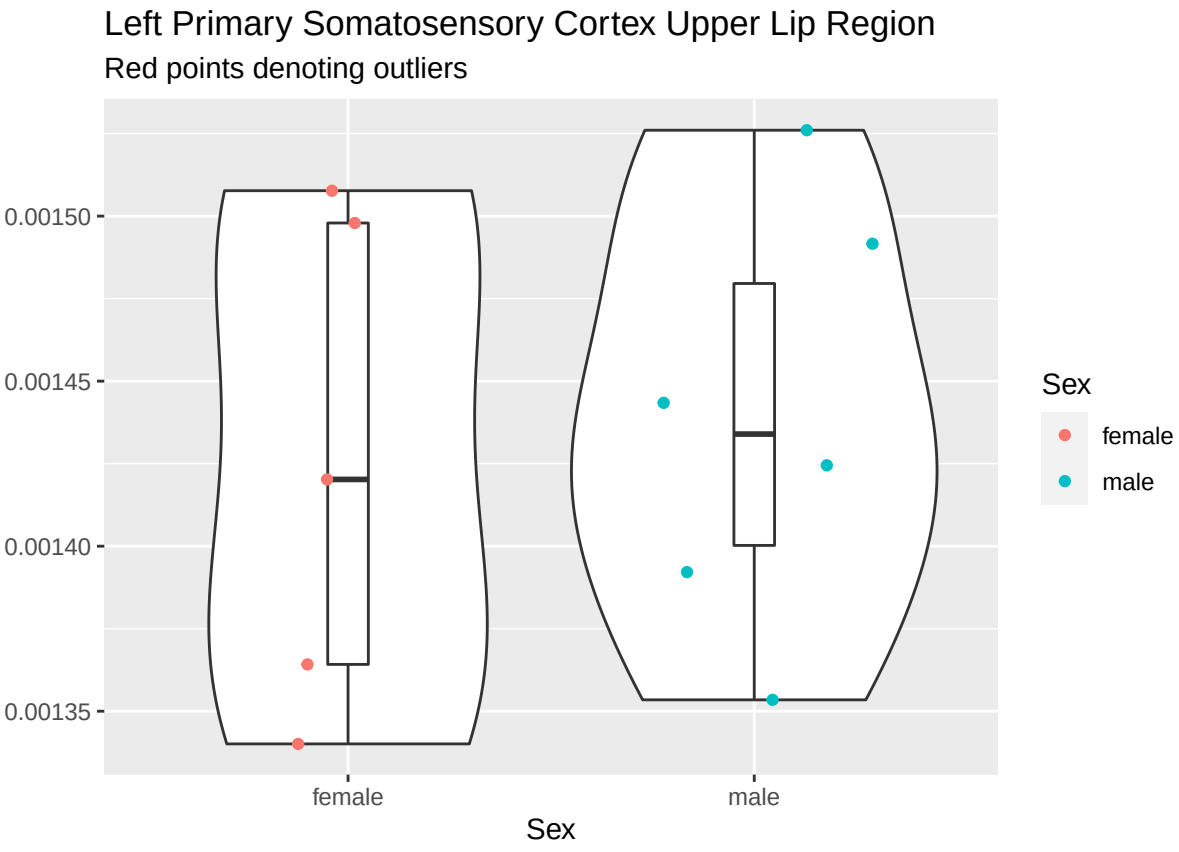

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 6.129e-09 6.129e-09   1.897  0.202
## Residuals    9 2.908e-08 3.231e-09
```



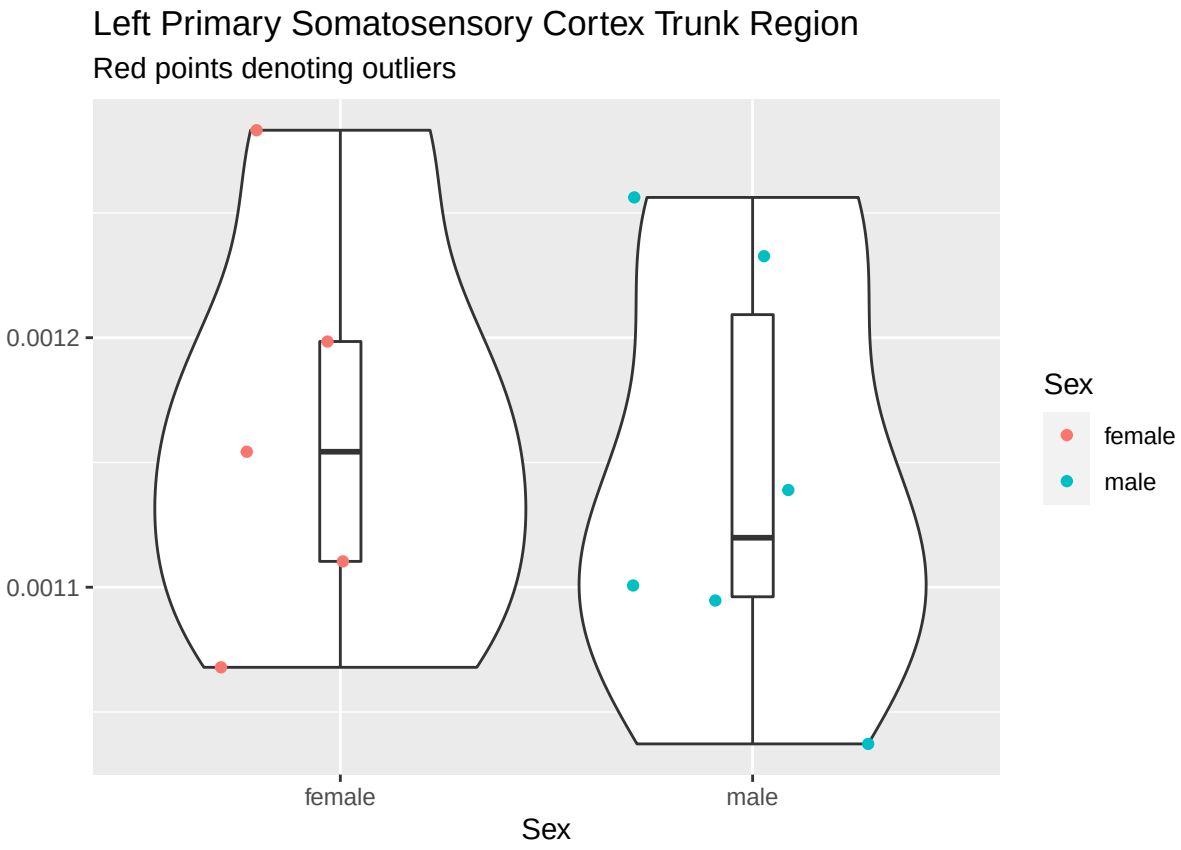

```
##              Df    Sum Sq  Mean Sq F value Pr(>F)
## Sex           1 6.700e-10 6.72e-10   0.042  0.842
## Residuals     9 1.431e-07 1.59e-08
```



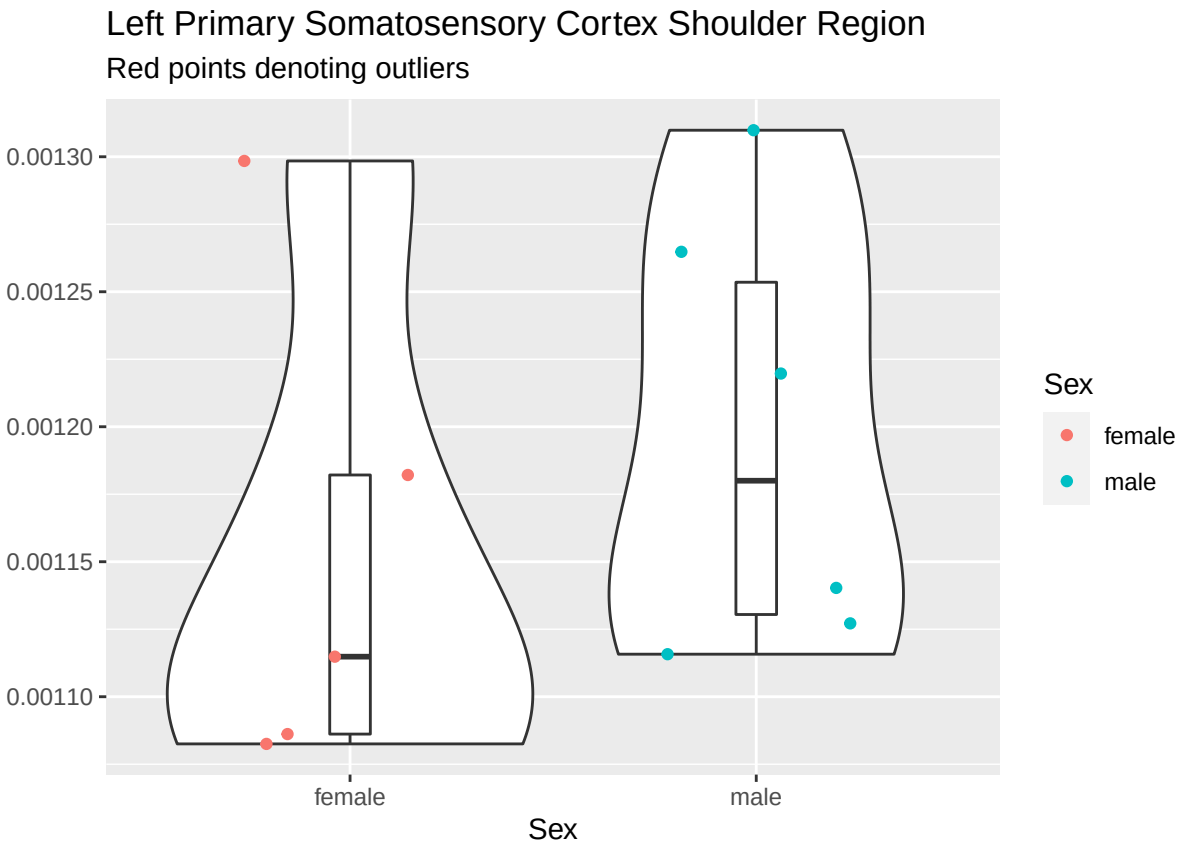

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.600e-09 3.599e-09   0.198  0.667
## Residuals    9 1.638e-07 1.820e-08
```



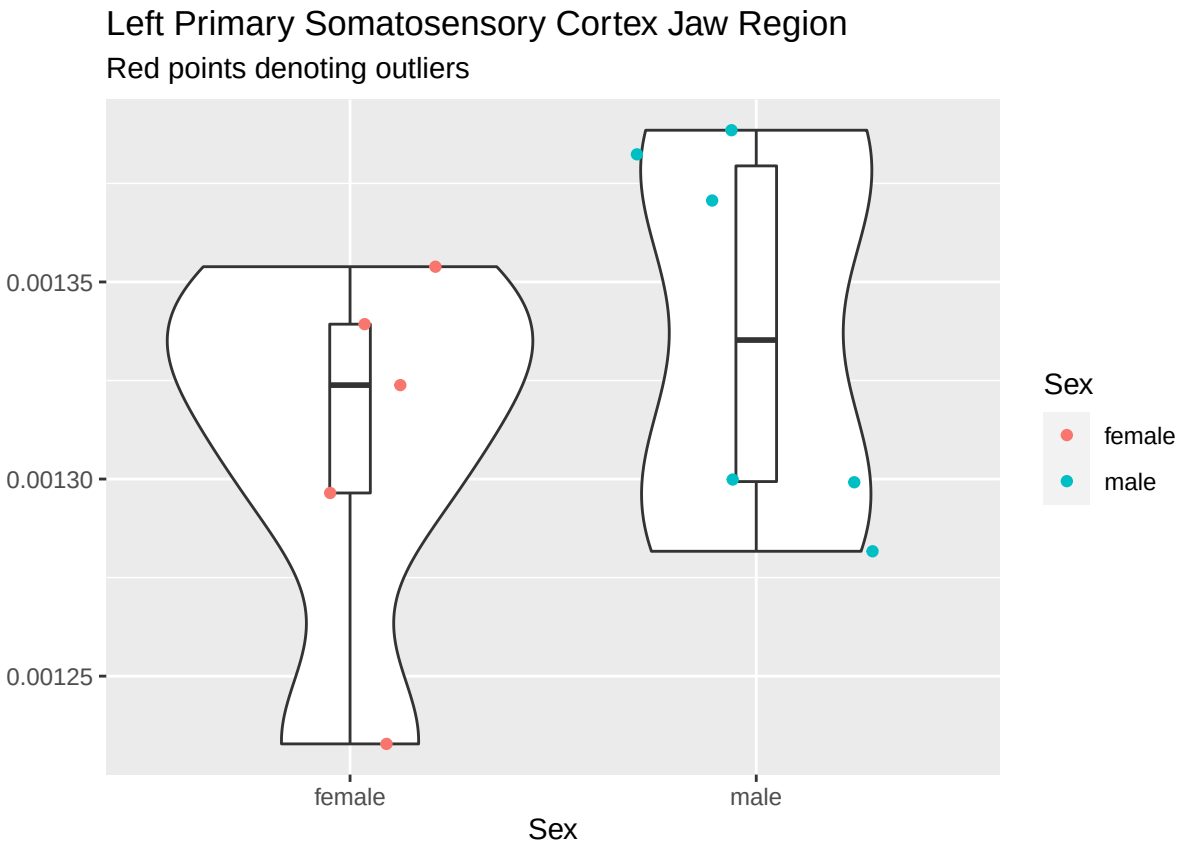

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.300e-10 4.270e-10   0.089  0.772
## Residuals    9 4.316e-08 4.796e-09
```



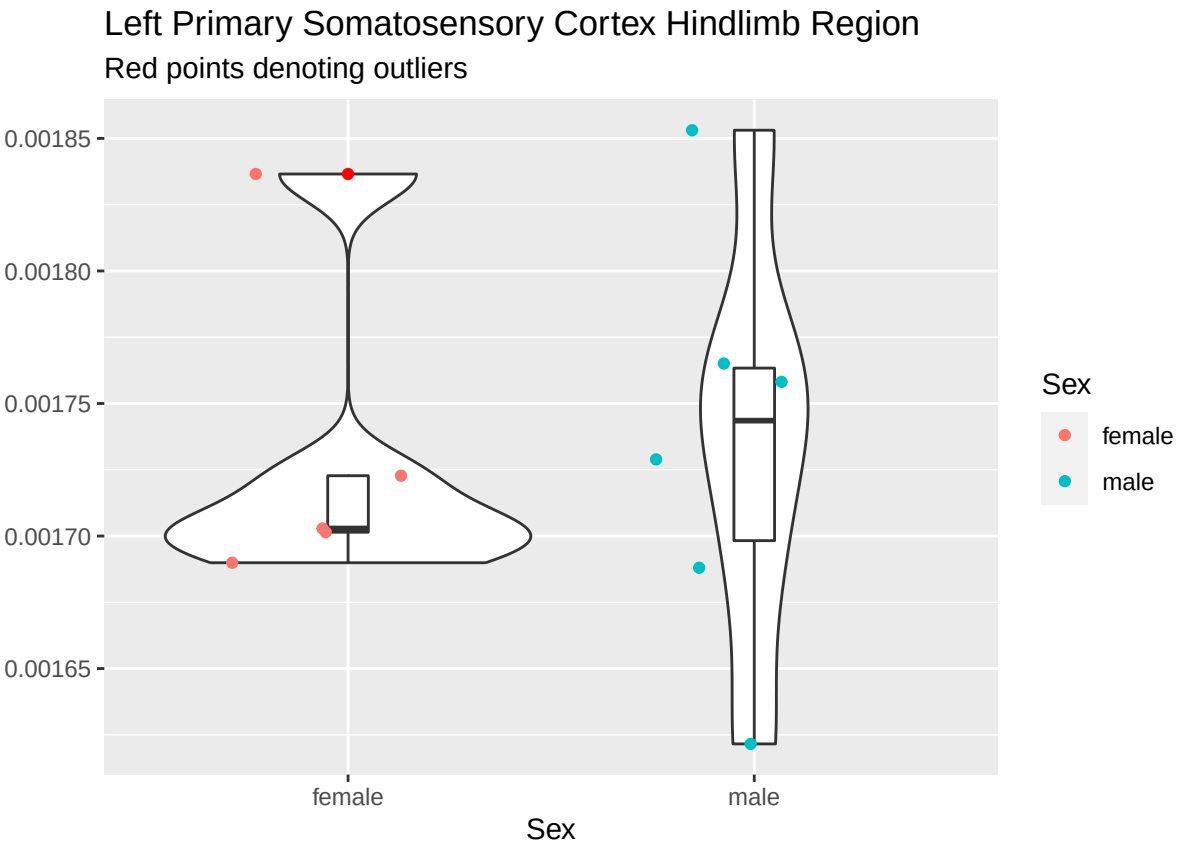

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 1.030e-09 1.030e-09   0.145  0.712
## Residuals     9 6.378e-08 7.086e-09
```



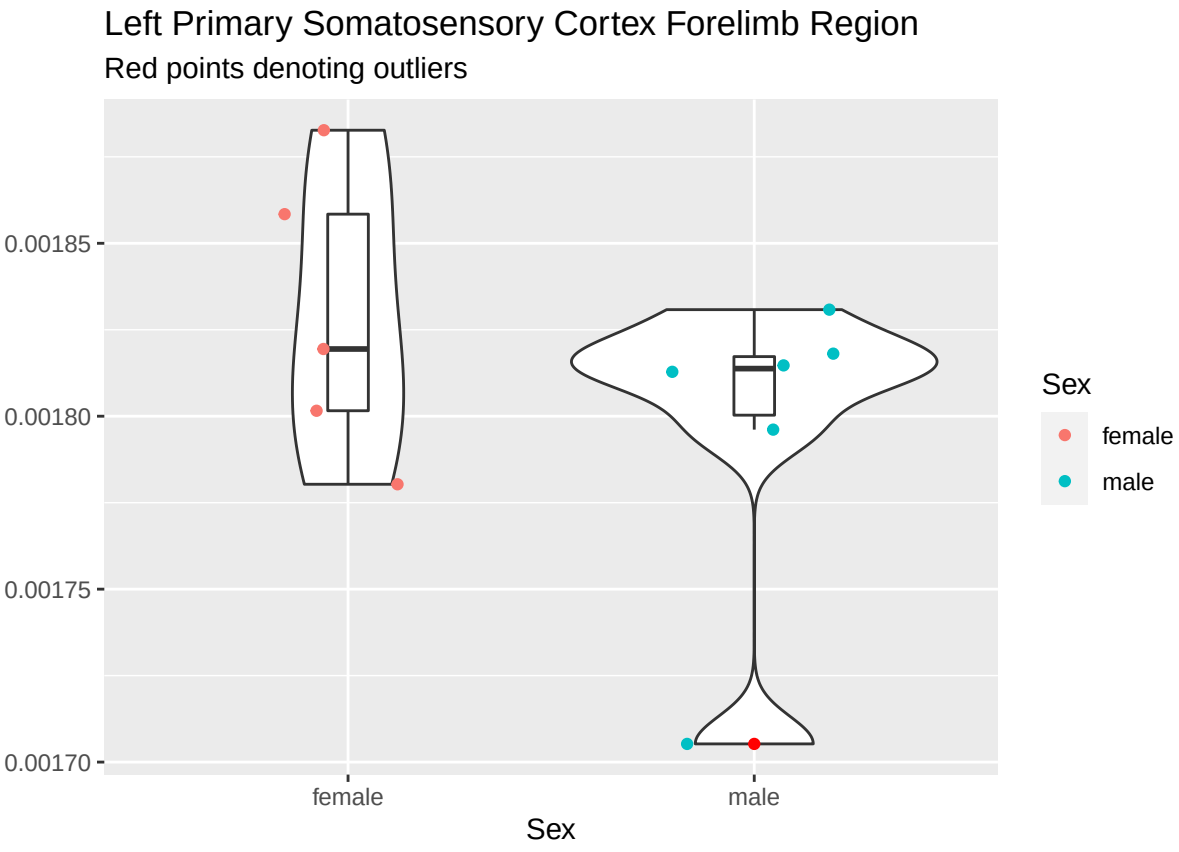

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 5.150e-09 5.146e-09   0.708  0.422
## Residuals     9 6.543e-08 7.270e-09
```



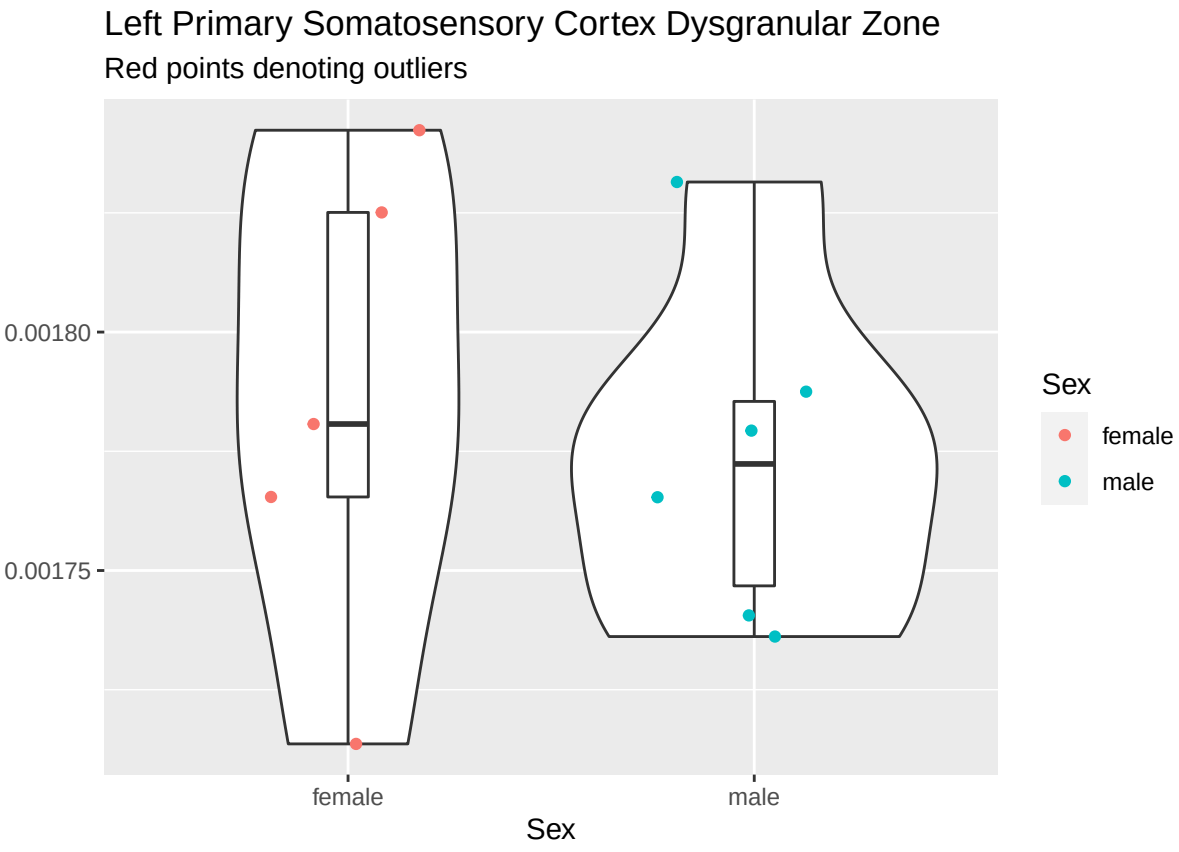

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.107e-09 2.107e-09    0.91  0.365
## Residuals    9 2.083e-08 2.314e-09
```



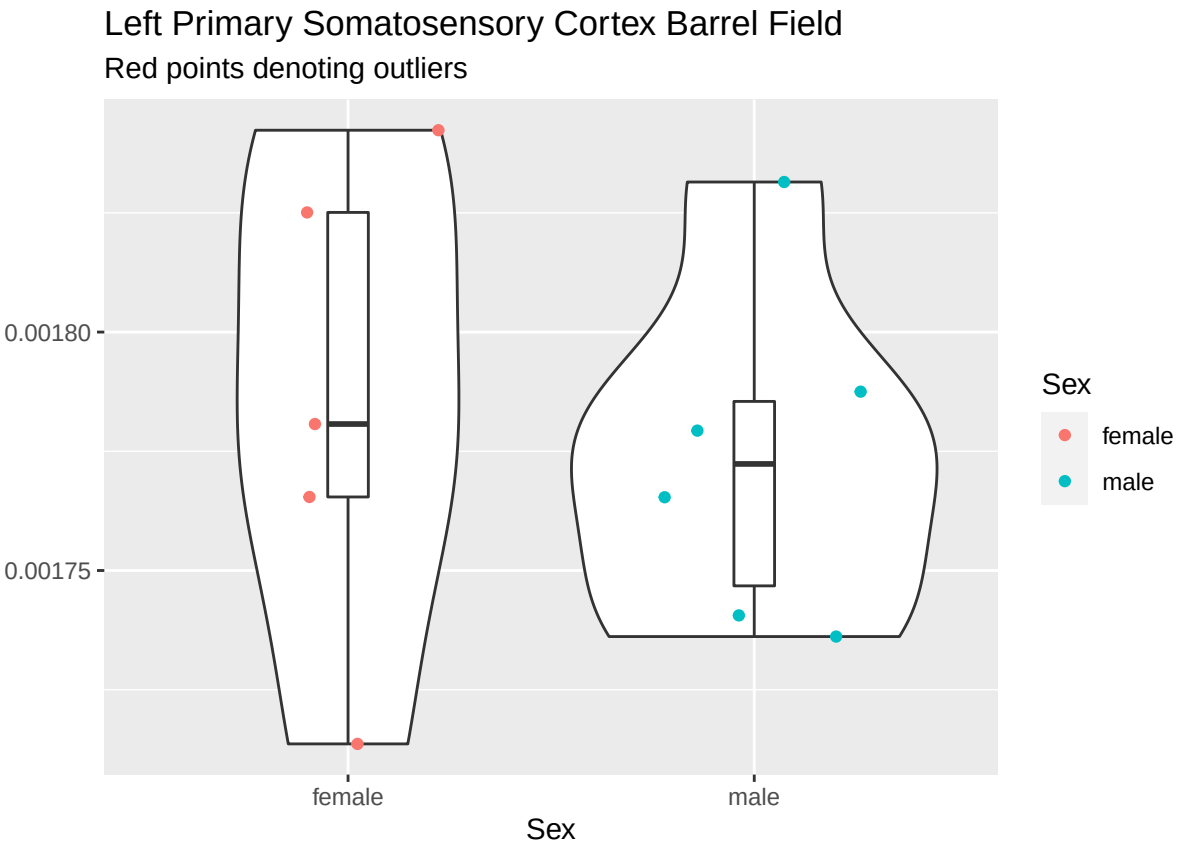

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 7.000e-11 7.100e-11   0.014  0.908
## Residuals    9 4.505e-08 5.006e-09
```



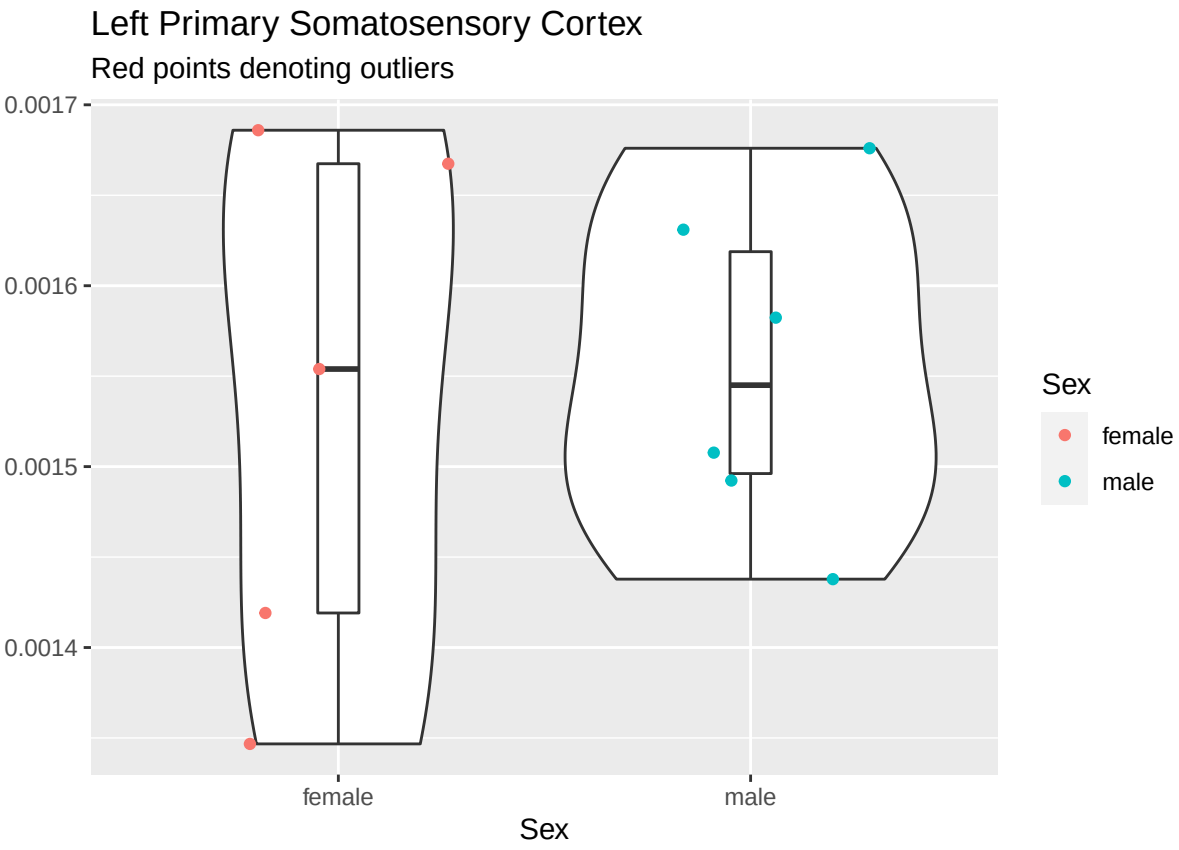

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.826e-09 2.826e-09   1.451  0.259
## Residuals    9 1.753e-08 1.947e-09
```



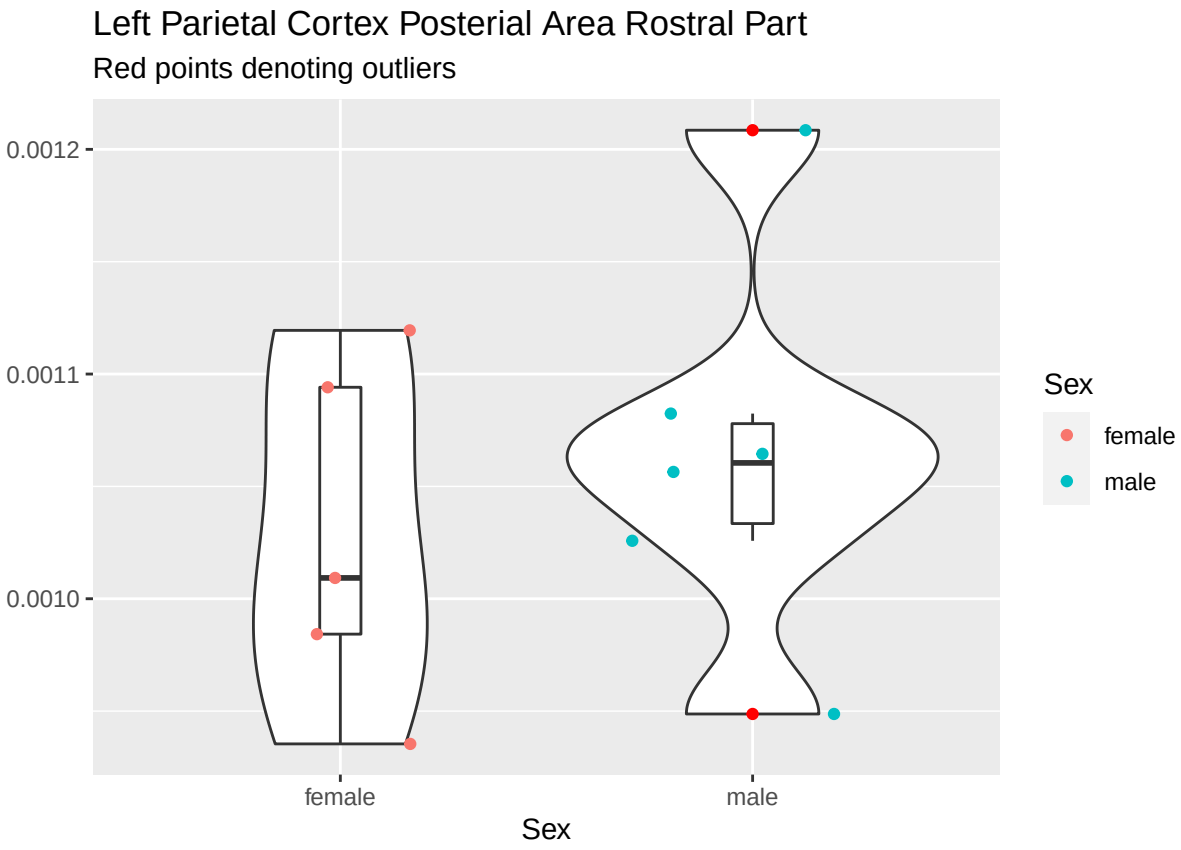

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.800e-10 1.840e-10   0.046  0.835
## Residuals    9 3.587e-08 3.986e-09
```



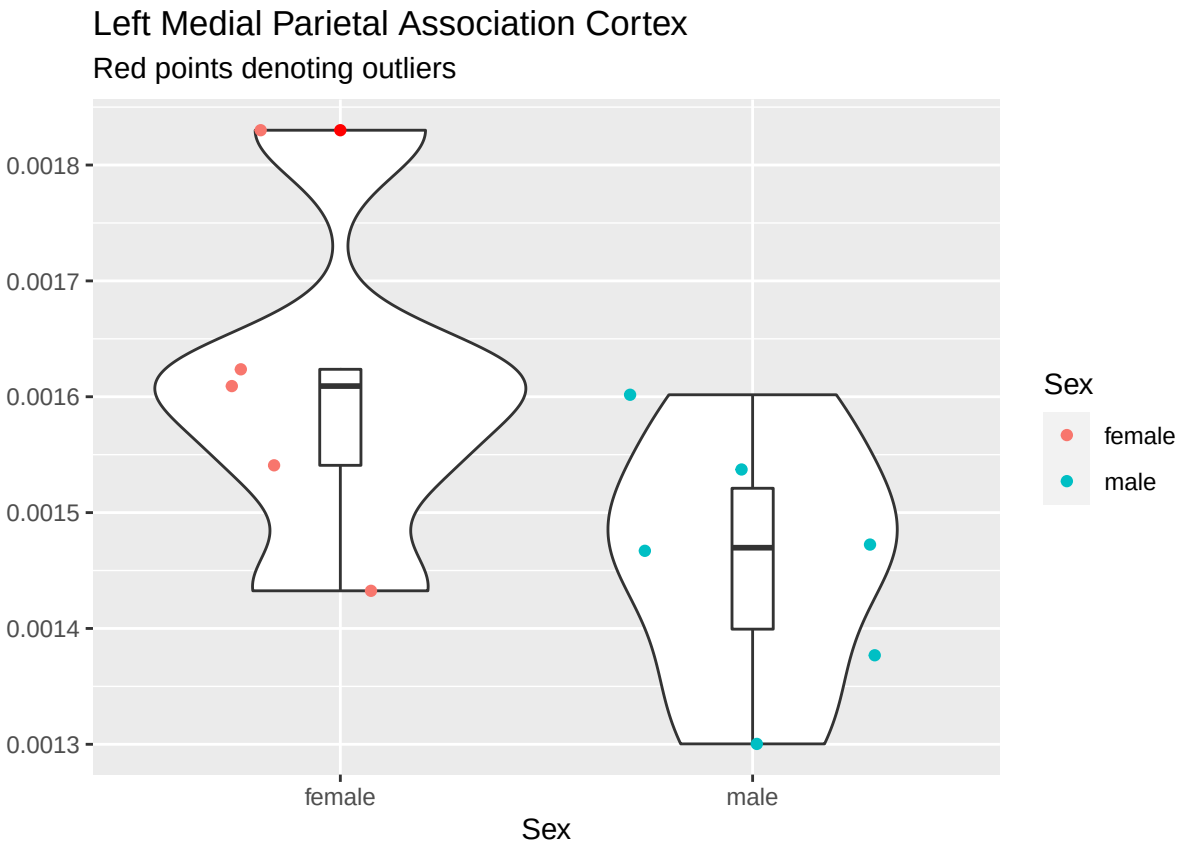

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.950e-10 3.953e-10   0.215  0.654
## Residuals    9 1.652e-08 1.836e-09
```



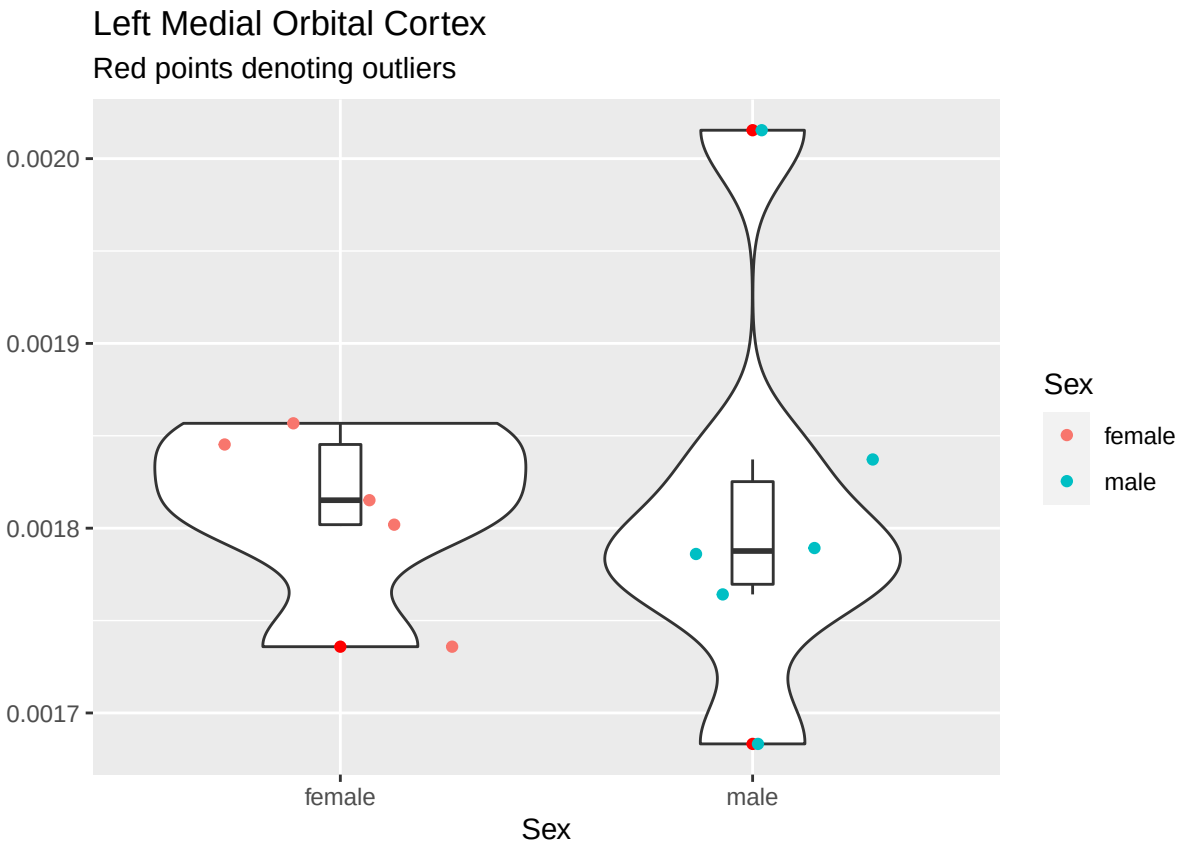

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.080e-09 1.079e-09   0.074  0.791
## Residuals    9 1.306e-07 1.452e-08
```



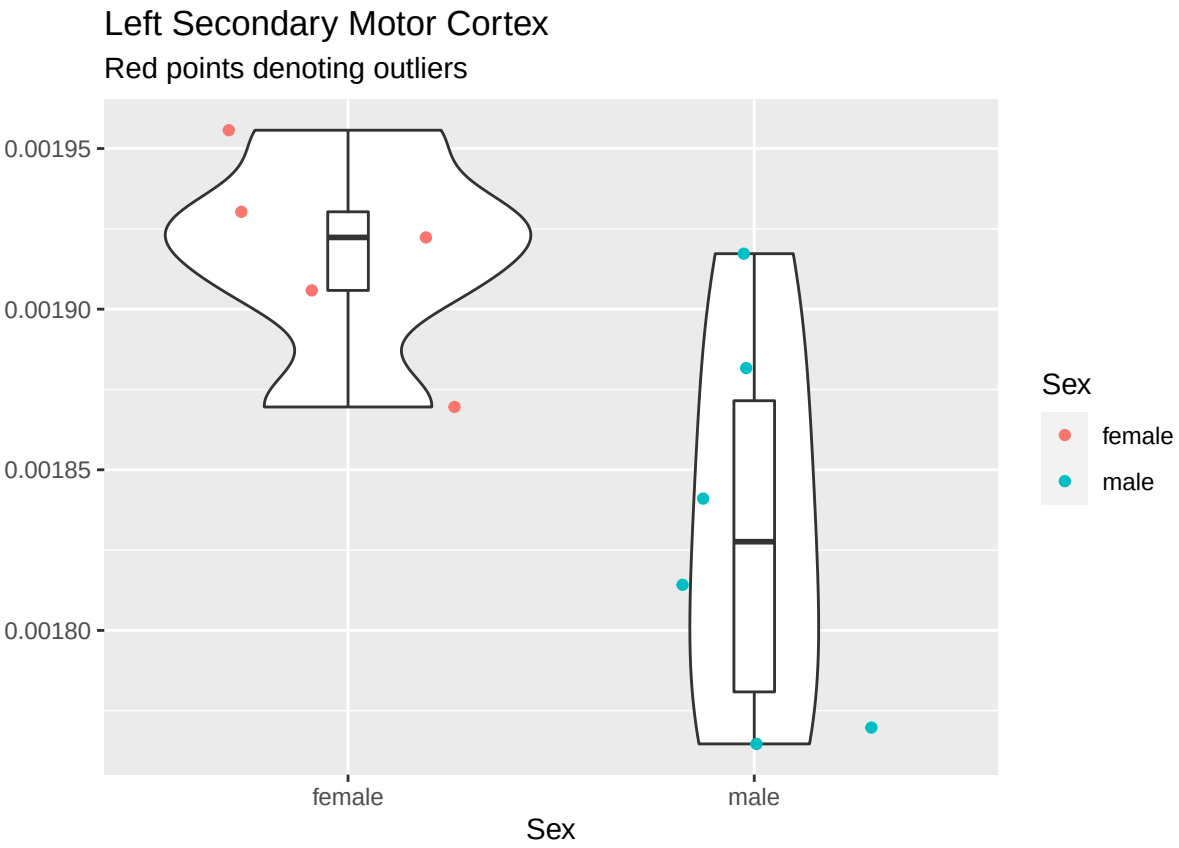

```
##             Df   Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.51e-09 3.515e-09   0.531  0.485
## Residuals    9 5.96e-08 6.622e-09
```



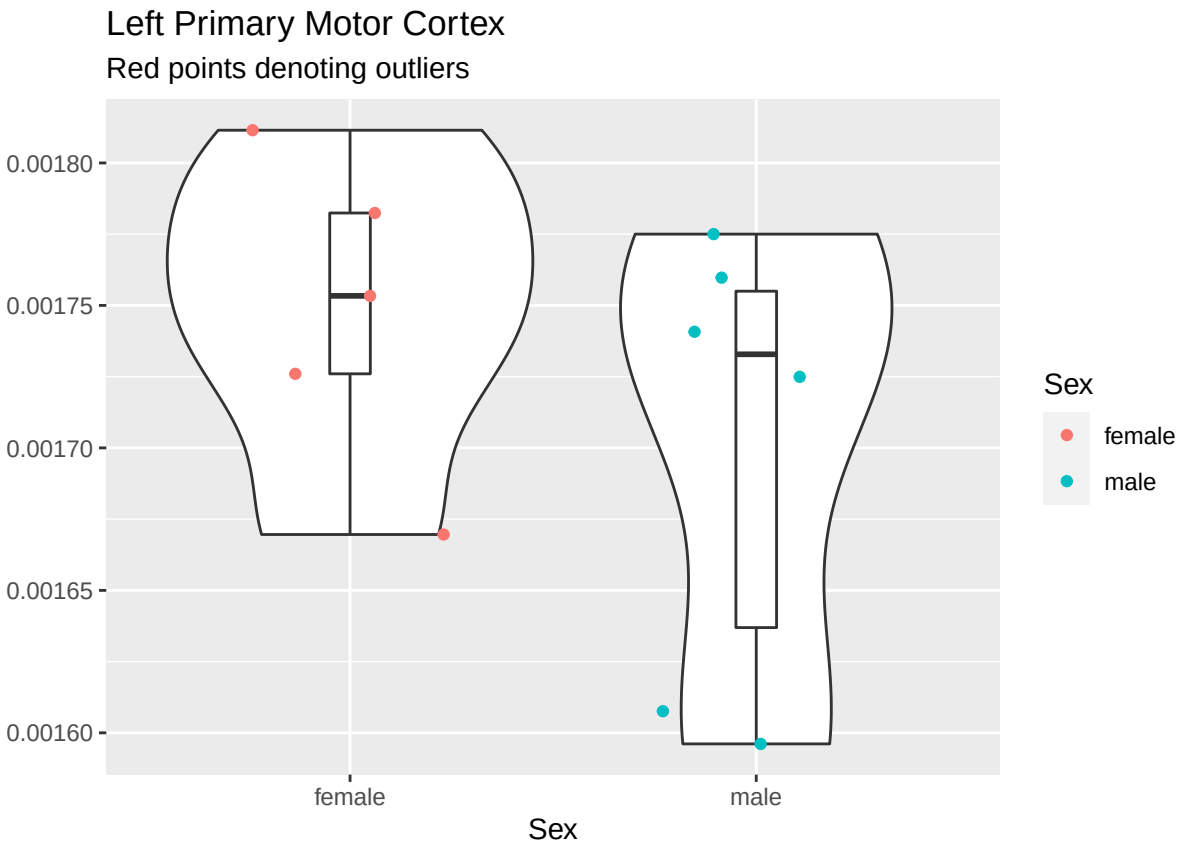

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.973e-08 5.973e-08   3.746 0.0849 .
## Residuals    9 1.435e-07 1.595e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



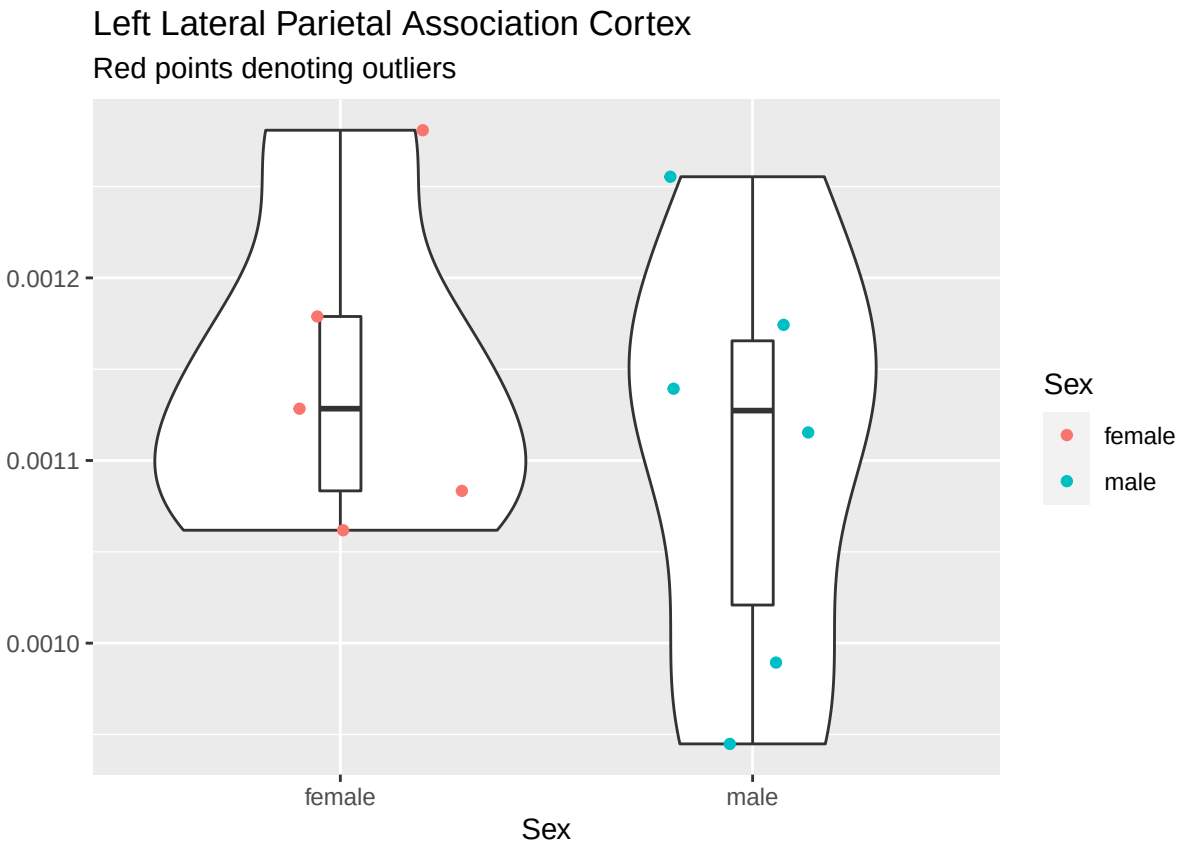

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.000e-11 7.000e-12   0.001  0.978
## Residuals    9 7.106e-08 7.896e-09
```



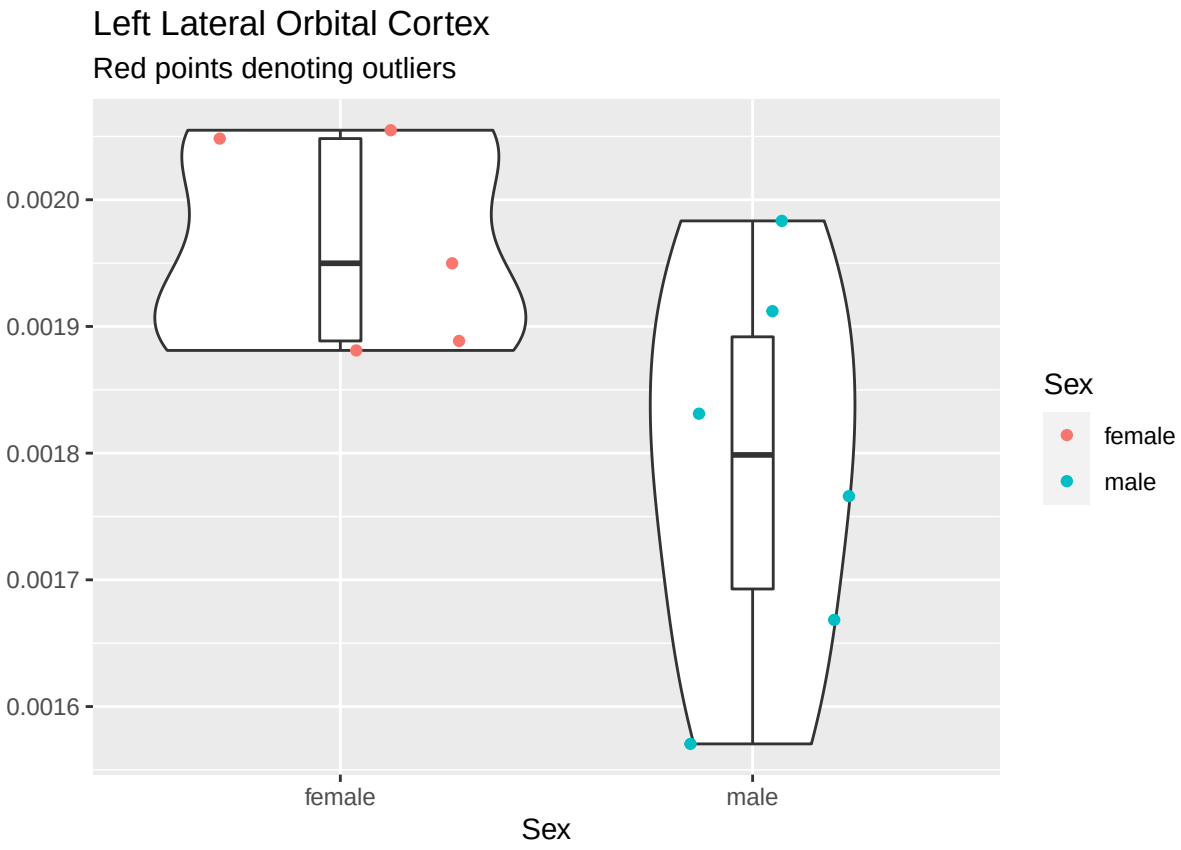

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.985e-08 1.985e-08   7.898 0.0204 *
## Residuals    9 2.262e-08 2.513e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



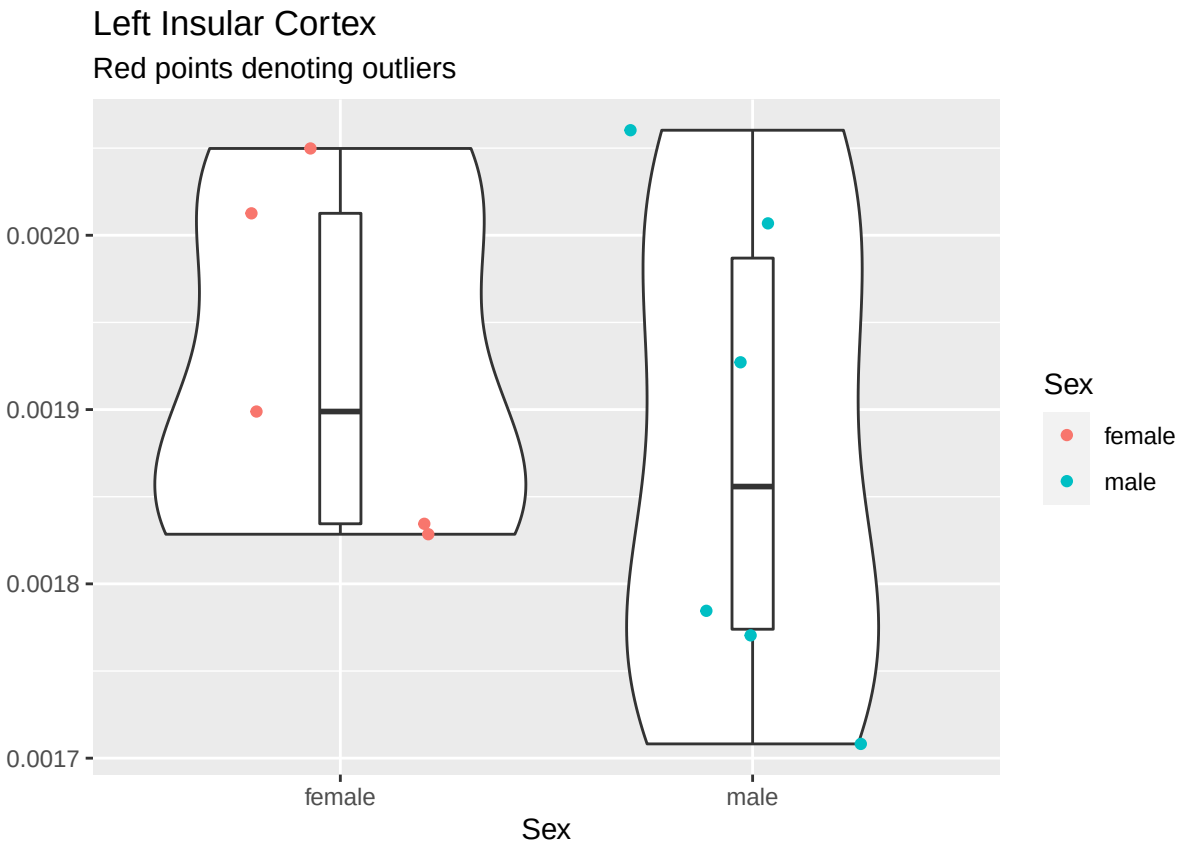

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 6.250e-09 6.251e-09   1.318  0.281
## Residuals    9 4.268e-08 4.742e-09
```



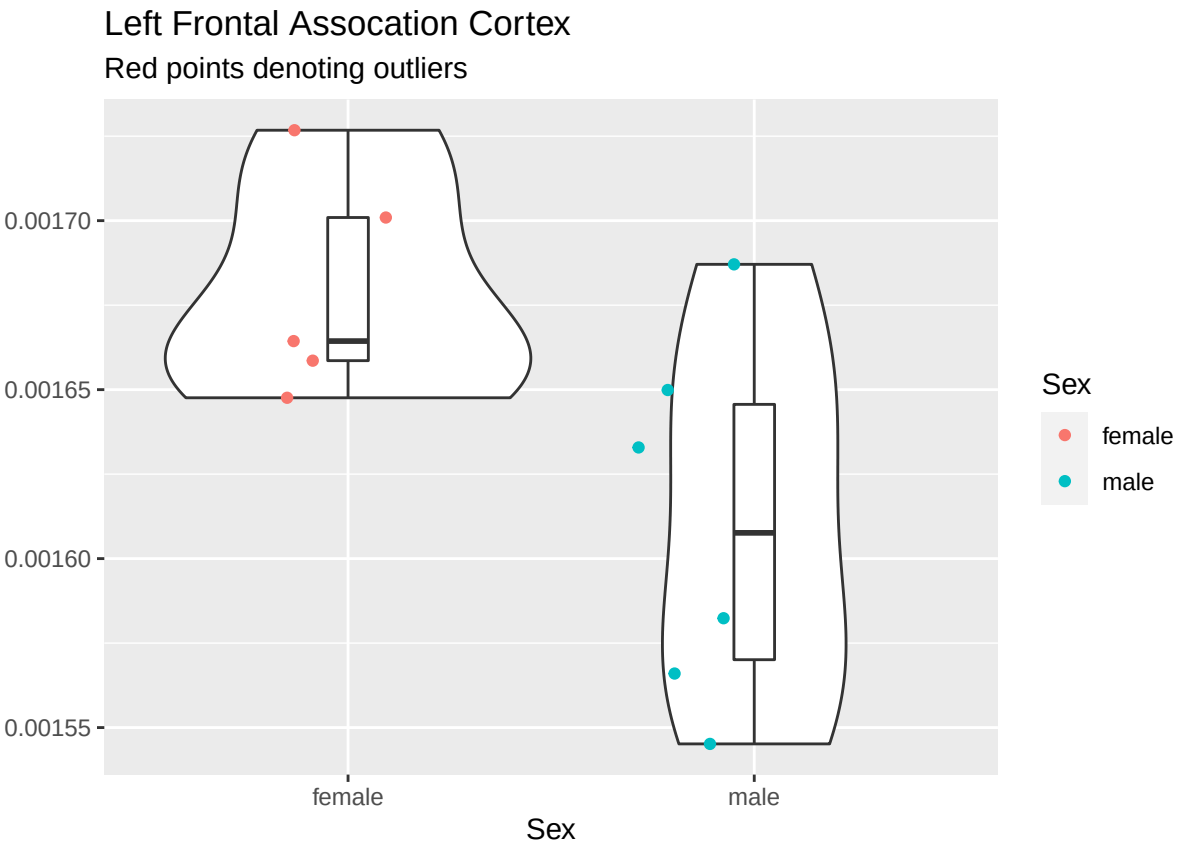

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.180e-09 5.177e-09   0.474  0.508
## Residuals    9 9.828e-08 1.092e-08
```



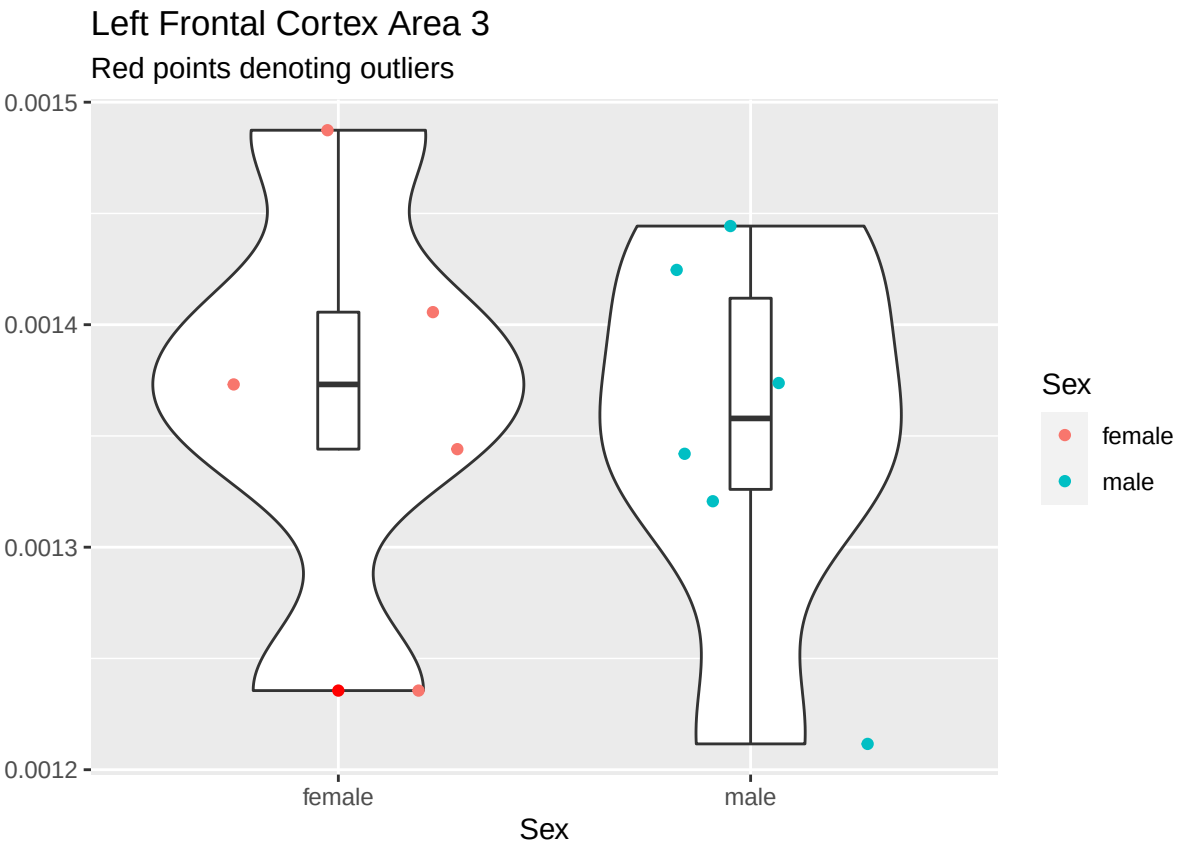

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 8.444e-08 8.444e-08   5.219 0.0482 *
## Residuals    9 1.456e-07 1.618e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



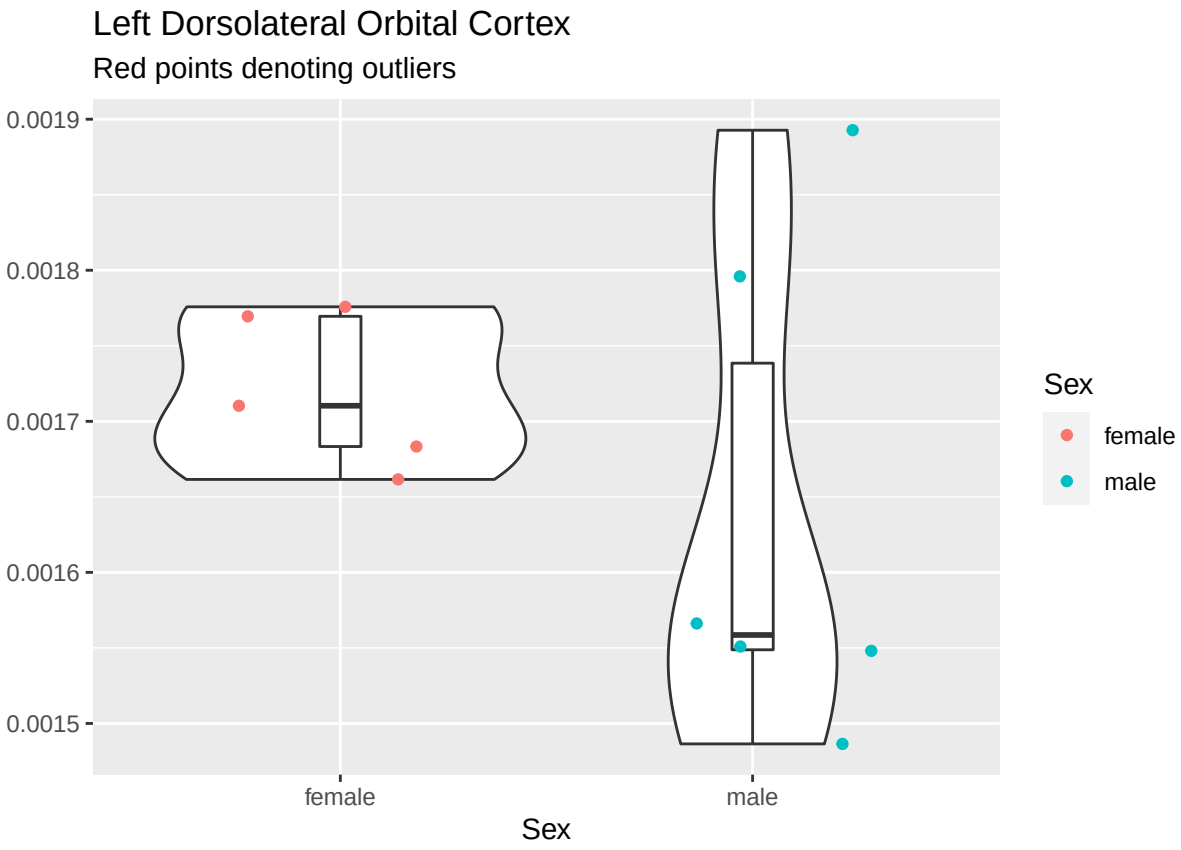

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 6.440e-09 6.444e-09   0.406   0.54
## Residuals    9 1.428e-07 1.587e-08
```



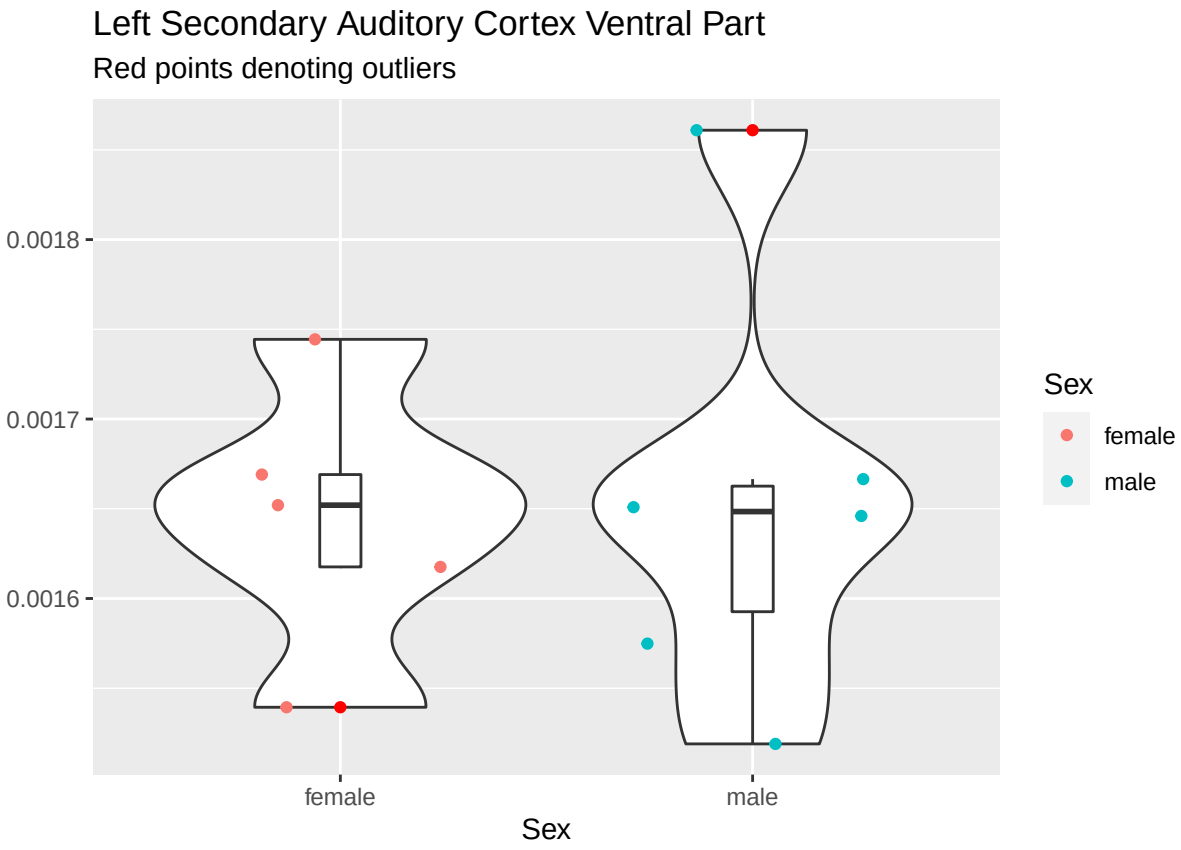

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.302e-08 1.302e-08   6.058 0.0361 *
## Residuals    9 1.934e-08 2.149e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



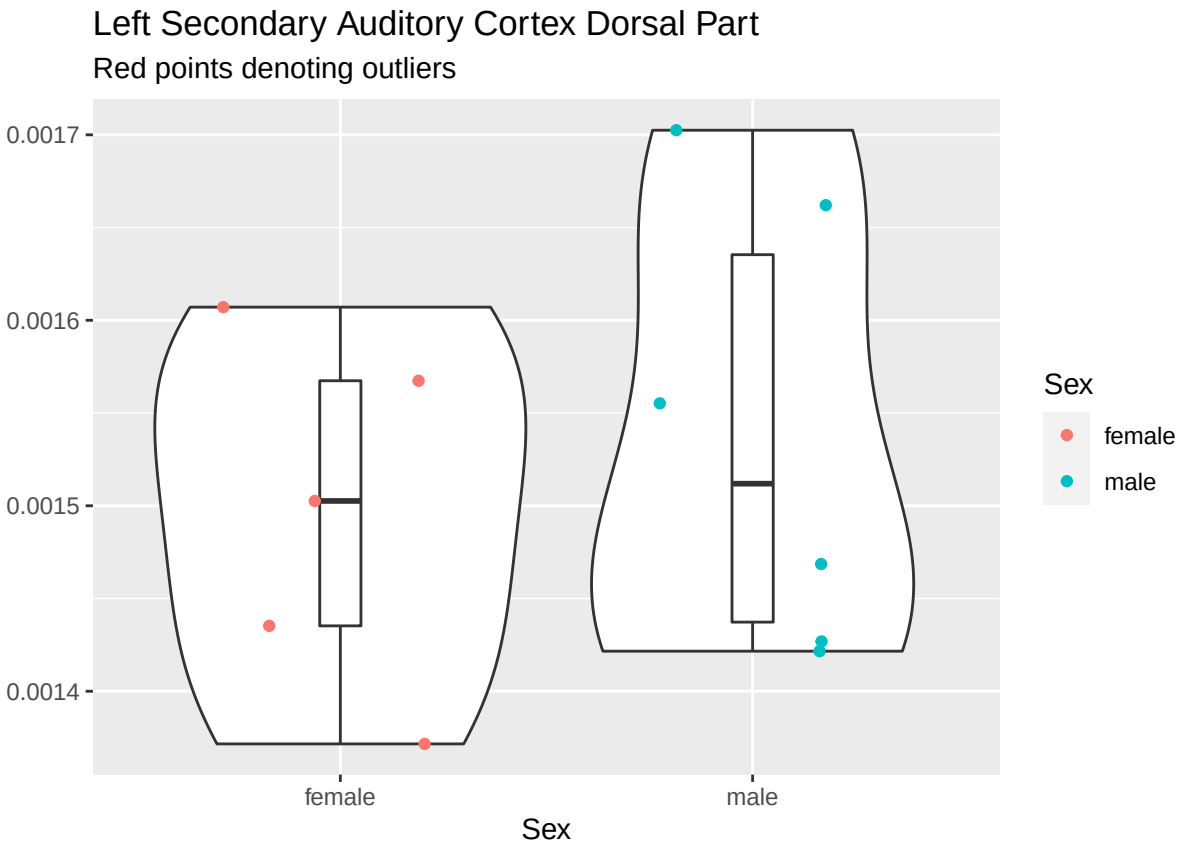

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 7.300e-10 7.280e-10   0.095  0.765
## Residuals     9 6.887e-08 7.653e-09
```



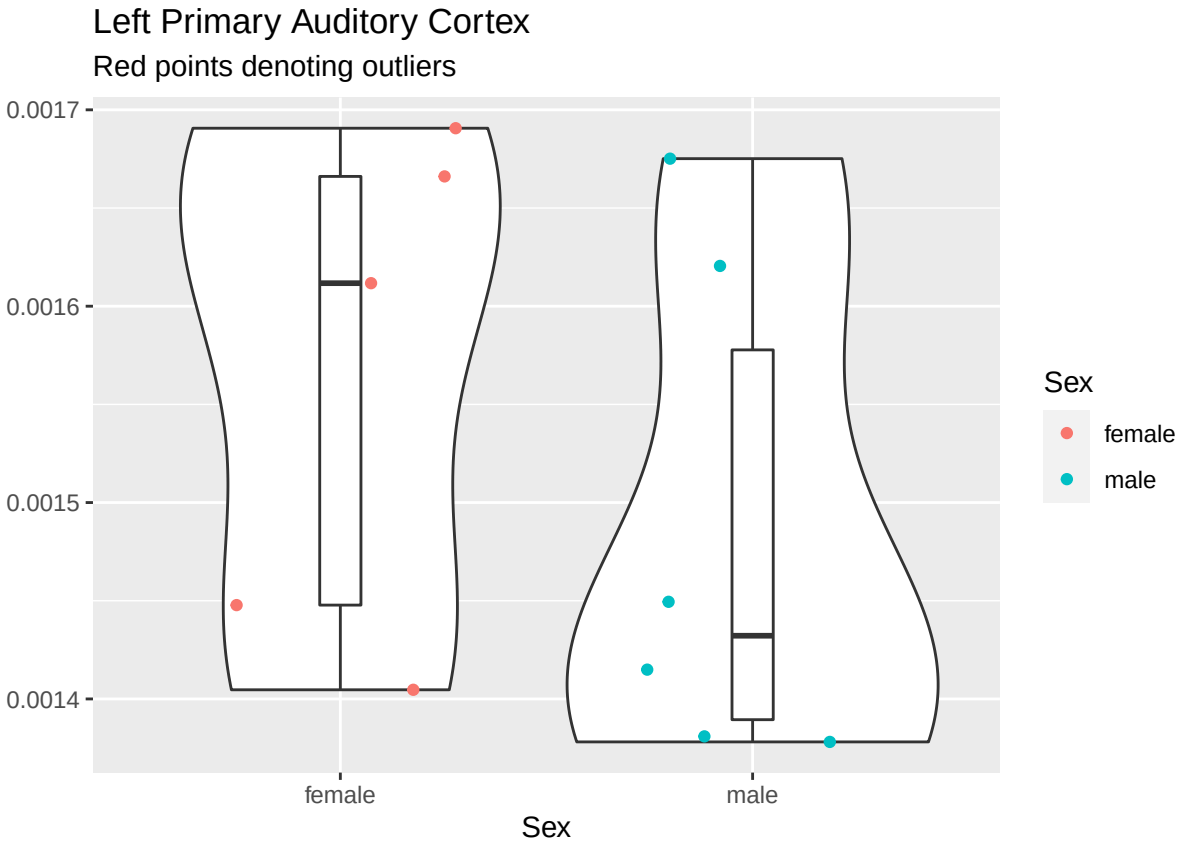

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.748e-08 1.748e-08   1.092  0.323
## Residuals    9 1.440e-07 1.600e-08
```



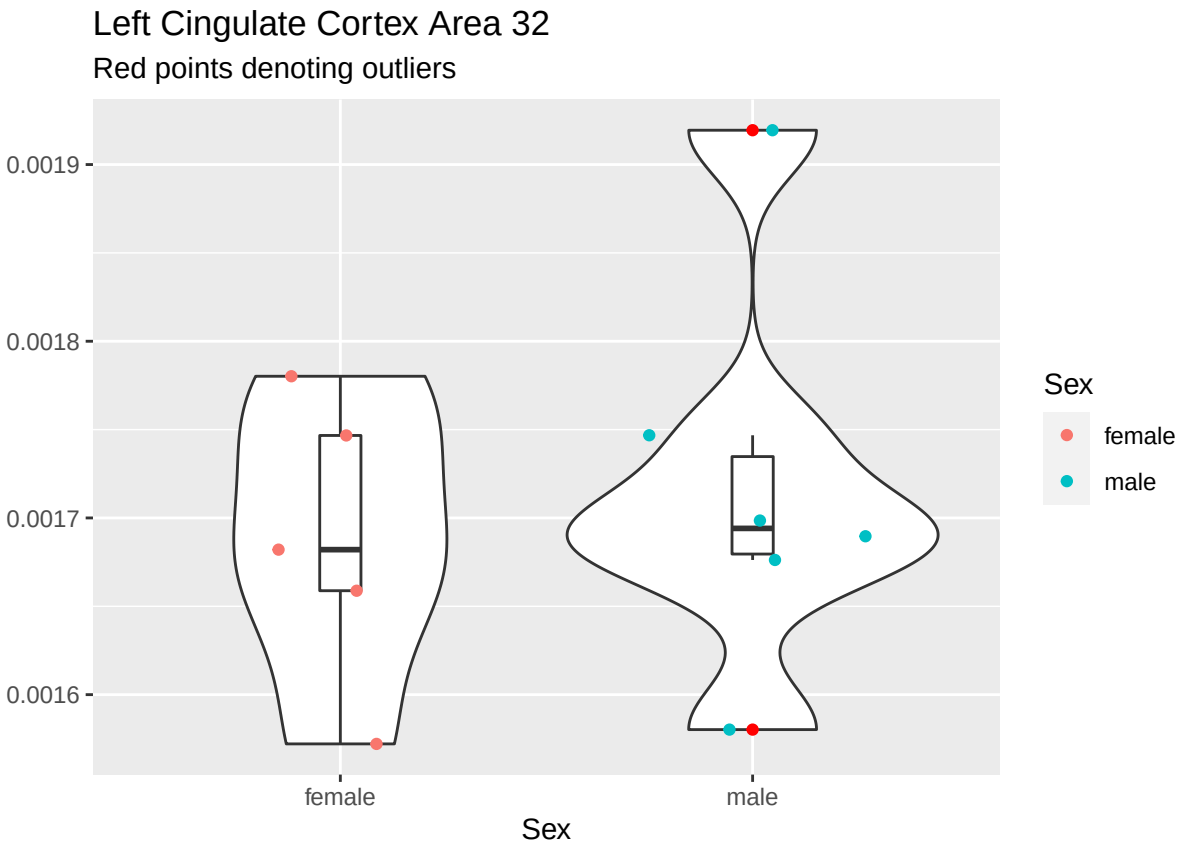

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.000e-10 1.990e-10    0.02  0.891
## Residuals    9 8.995e-08 9.995e-09
```



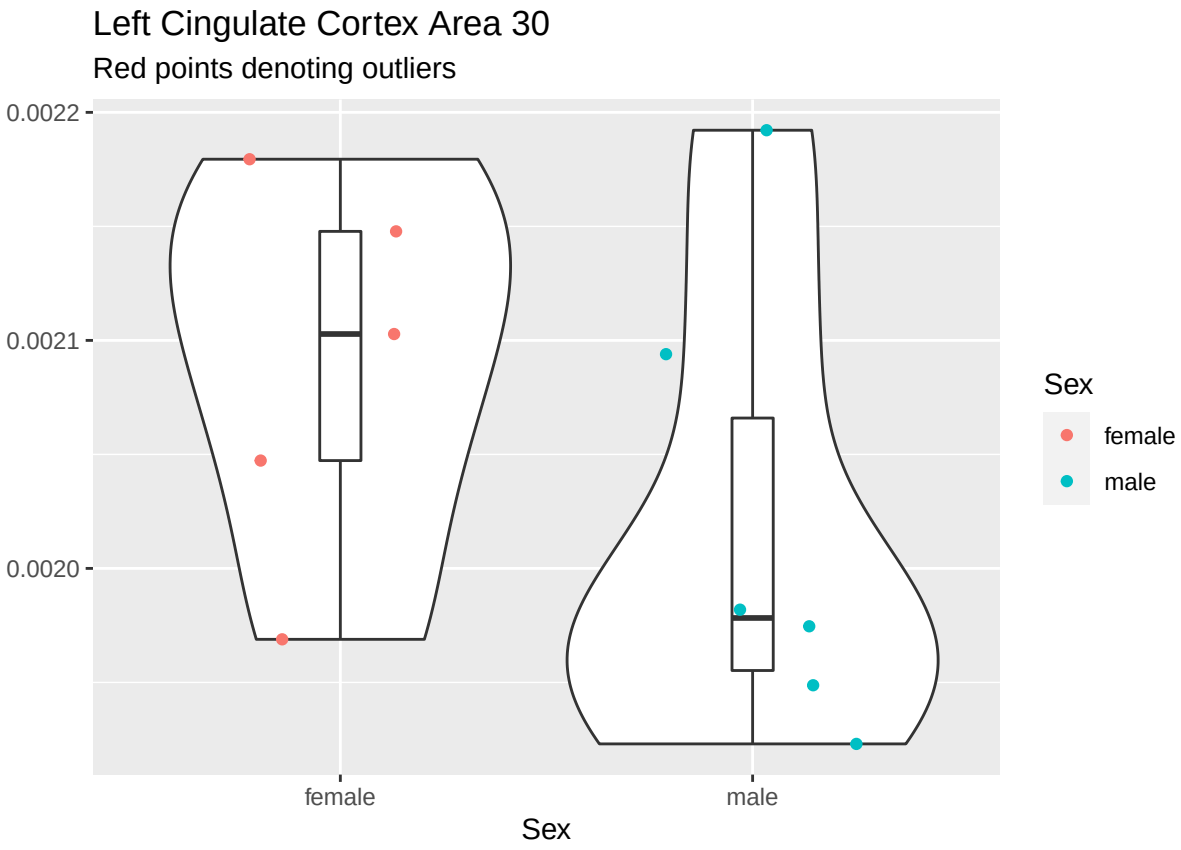

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.970e-09 4.968e-09   0.406   0.54
## Residuals    9 1.101e-07 1.223e-08
```



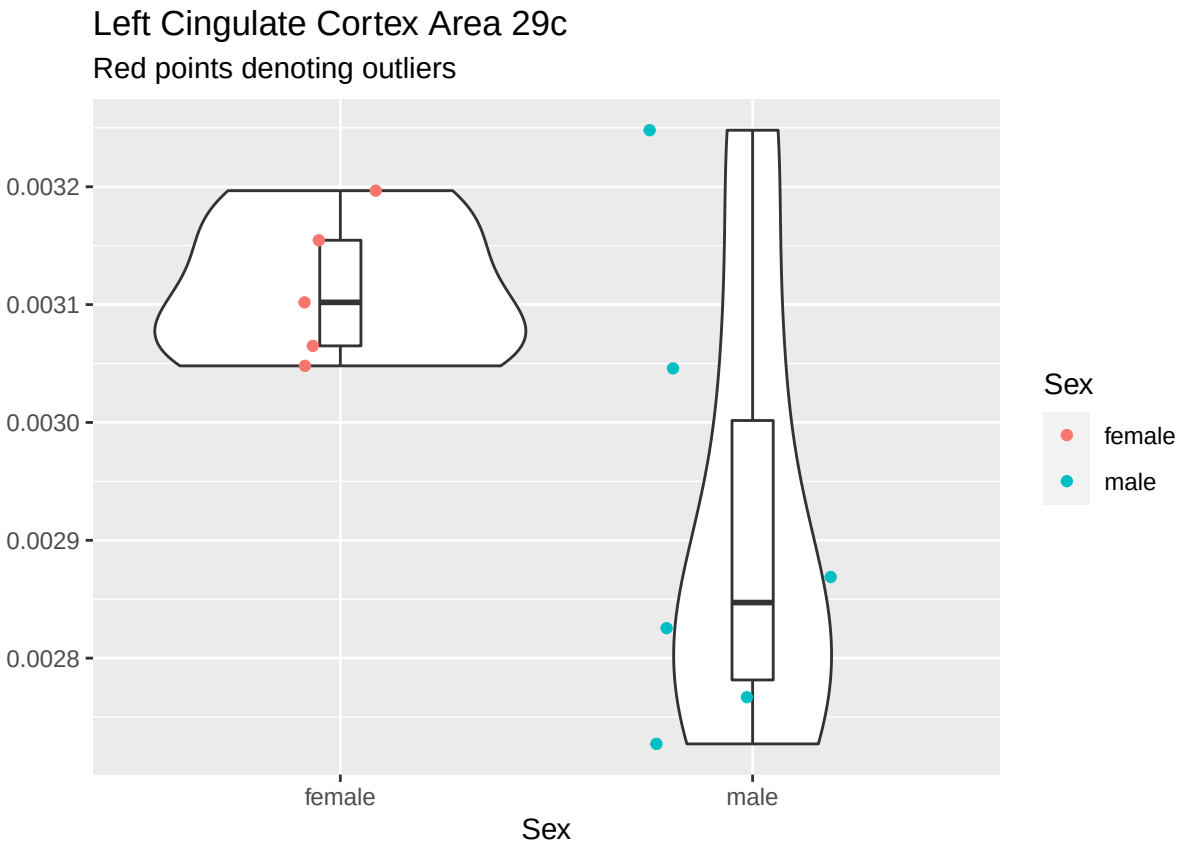

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.645e-08 1.645e-08   0.983  0.347
## Residuals    9 1.506e-07 1.673e-08
```



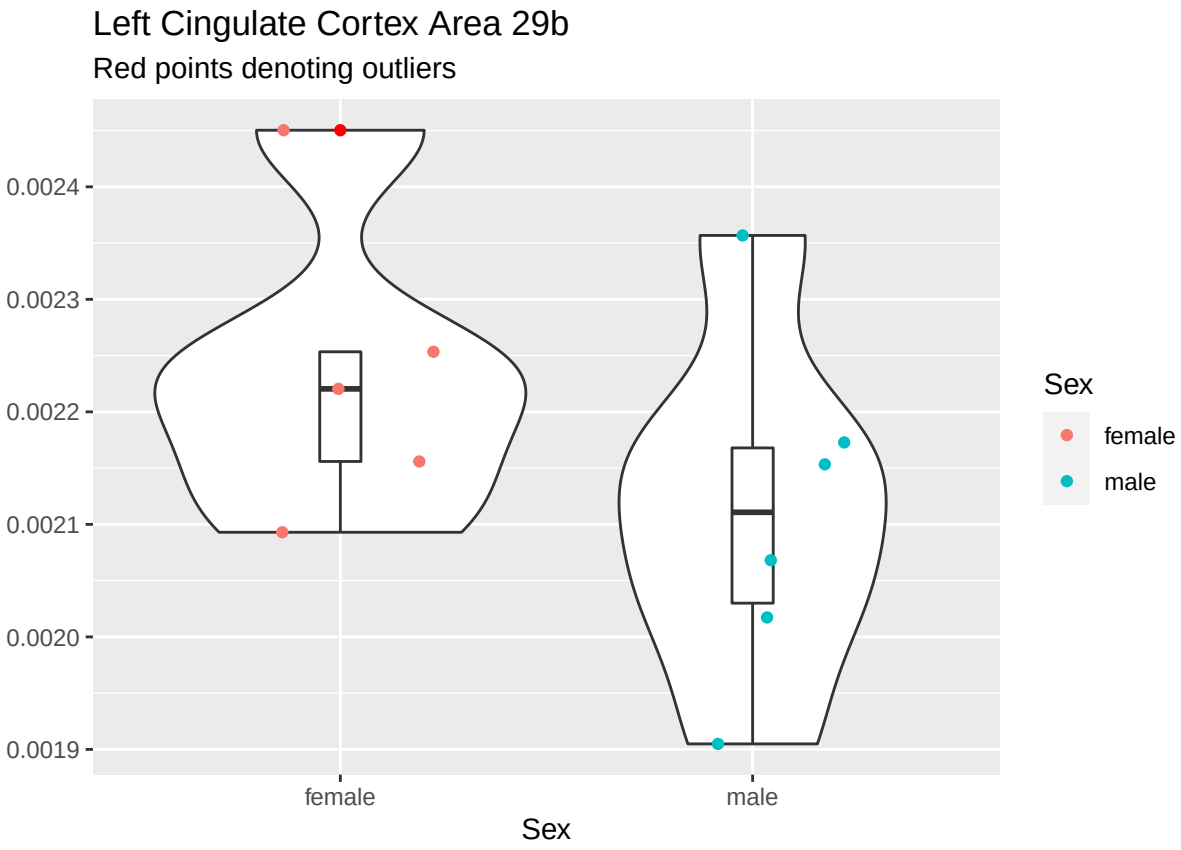

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.540e-09 2.537e-09   0.255  0.626
## Residuals    9 8.957e-08 9.953e-09
```



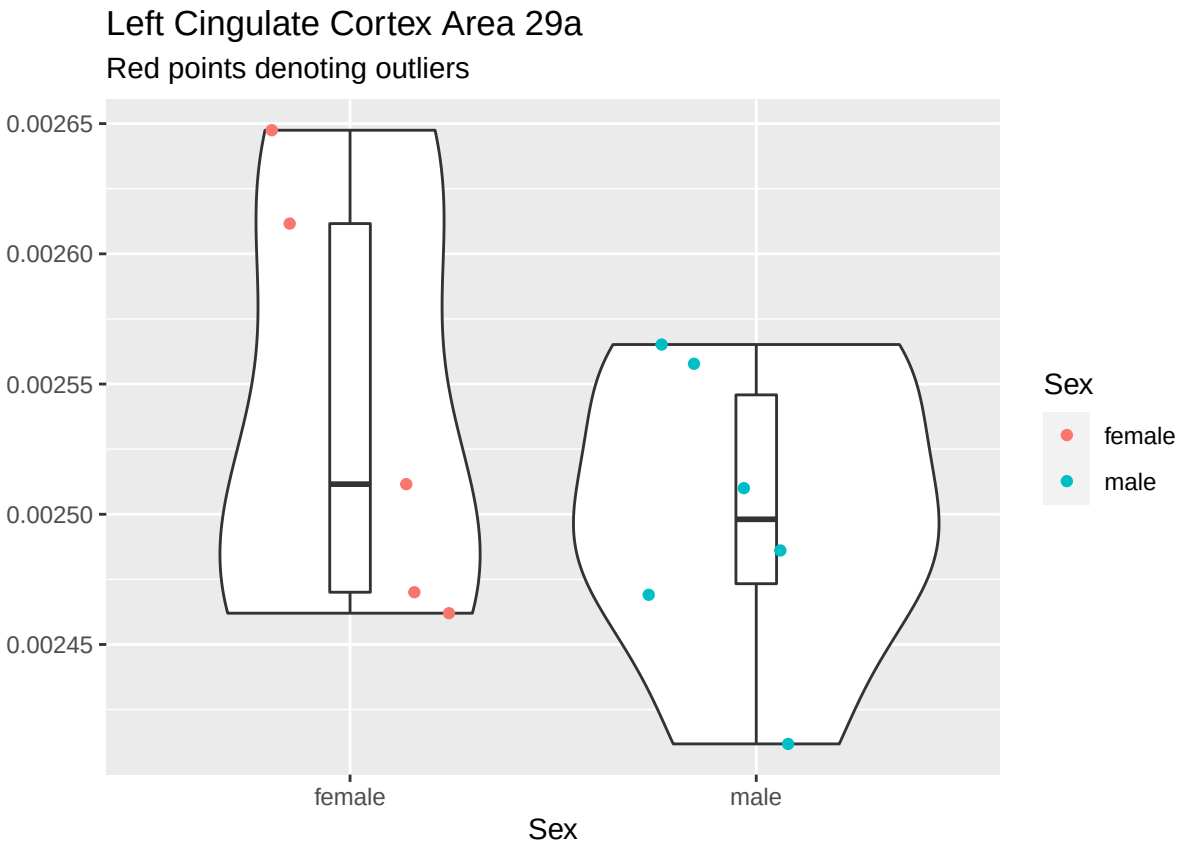

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.343e-08 1.343e-08   1.491  0.253
## Residuals    9 8.109e-08 9.010e-09
```



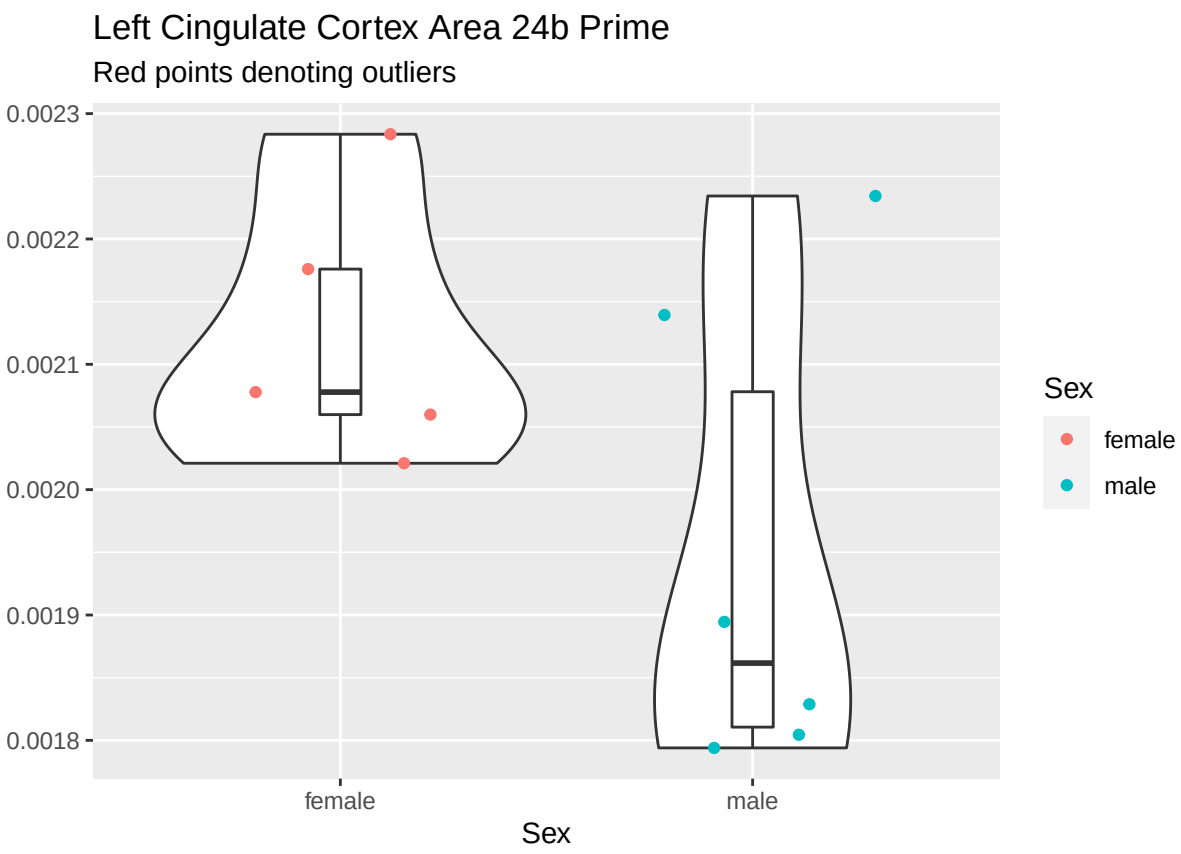

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.086e-07 1.086e-07   4.637 0.0597 .
## Residuals    9 2.108e-07 2.342e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



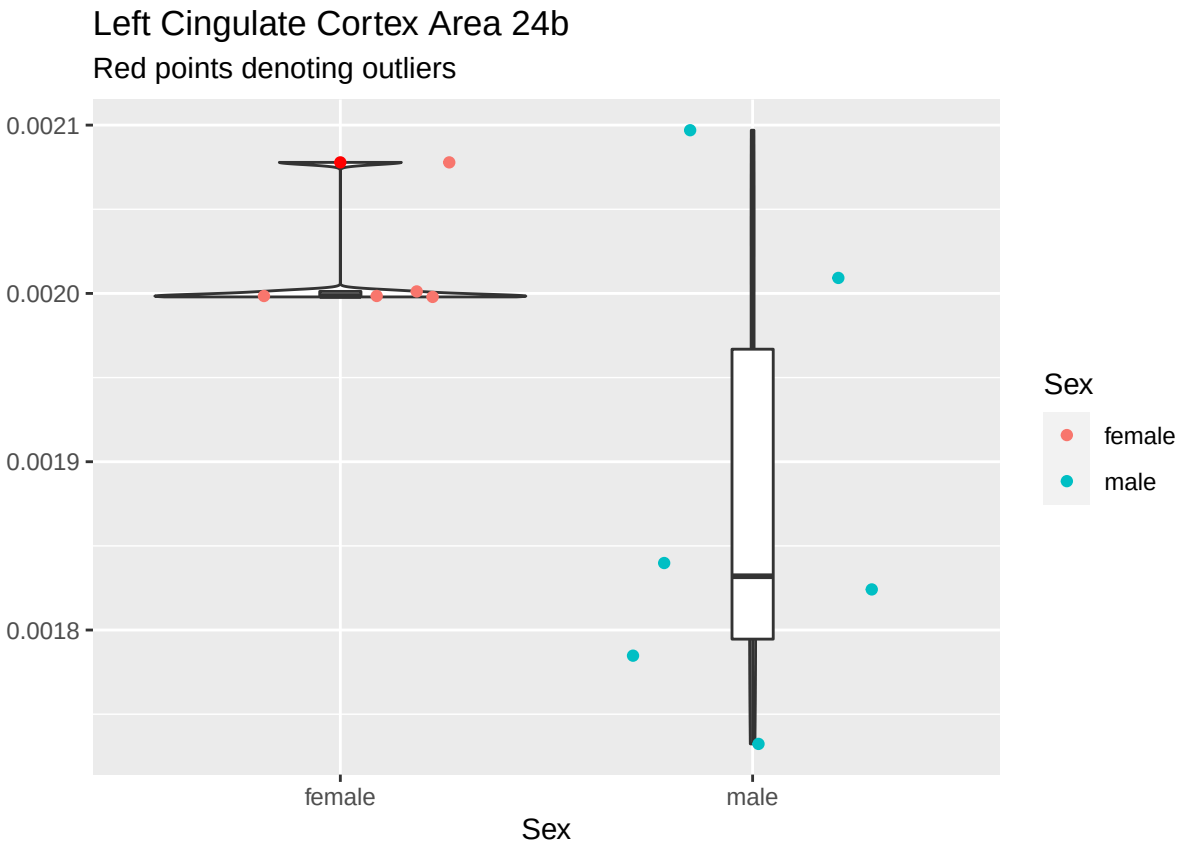

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.085e-08 4.085e-08    1.91    0.2
## Residuals    9 1.924e-07 2.138e-08
```



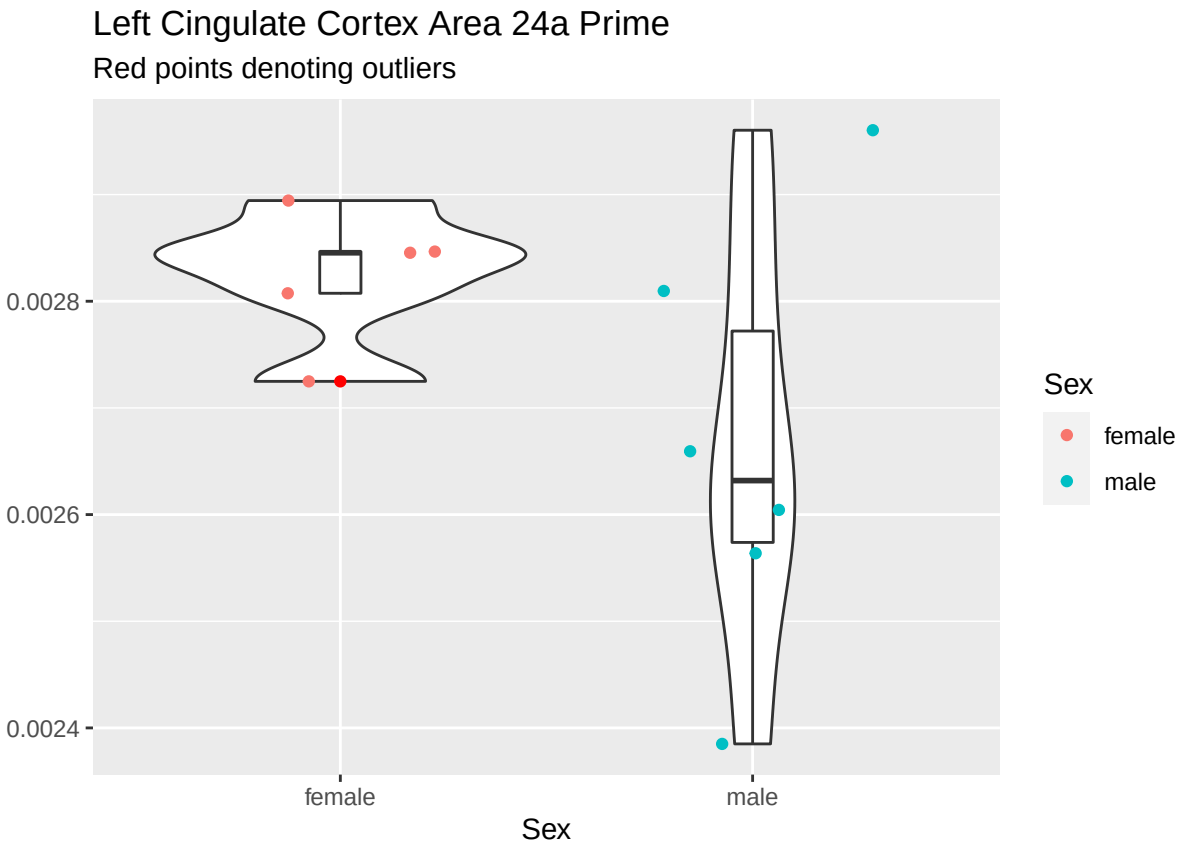

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.480e-09 4.483e-09   0.895  0.369
## Residuals    9 4.507e-08 5.008e-09
```



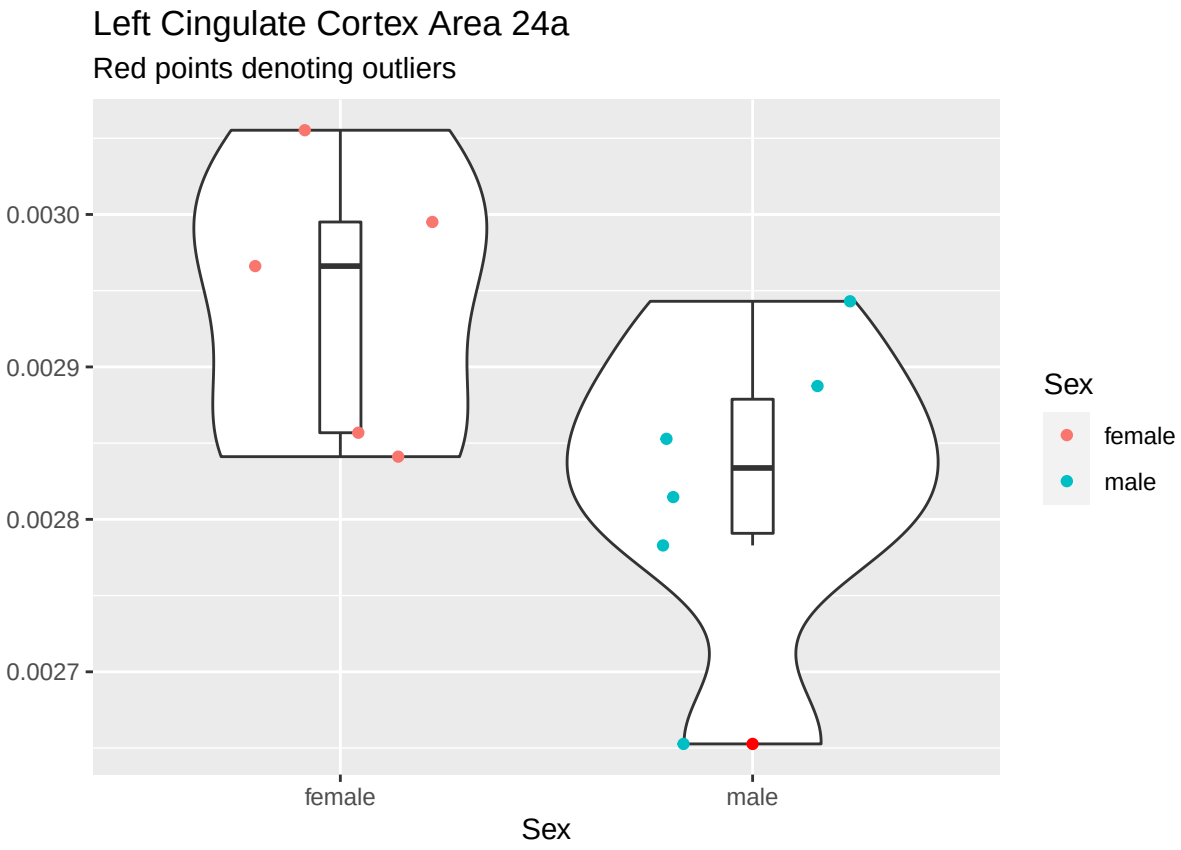

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 8.298e-08 8.298e-08    3.32  0.102
## Residuals    9 2.250e-07 2.500e-08
```



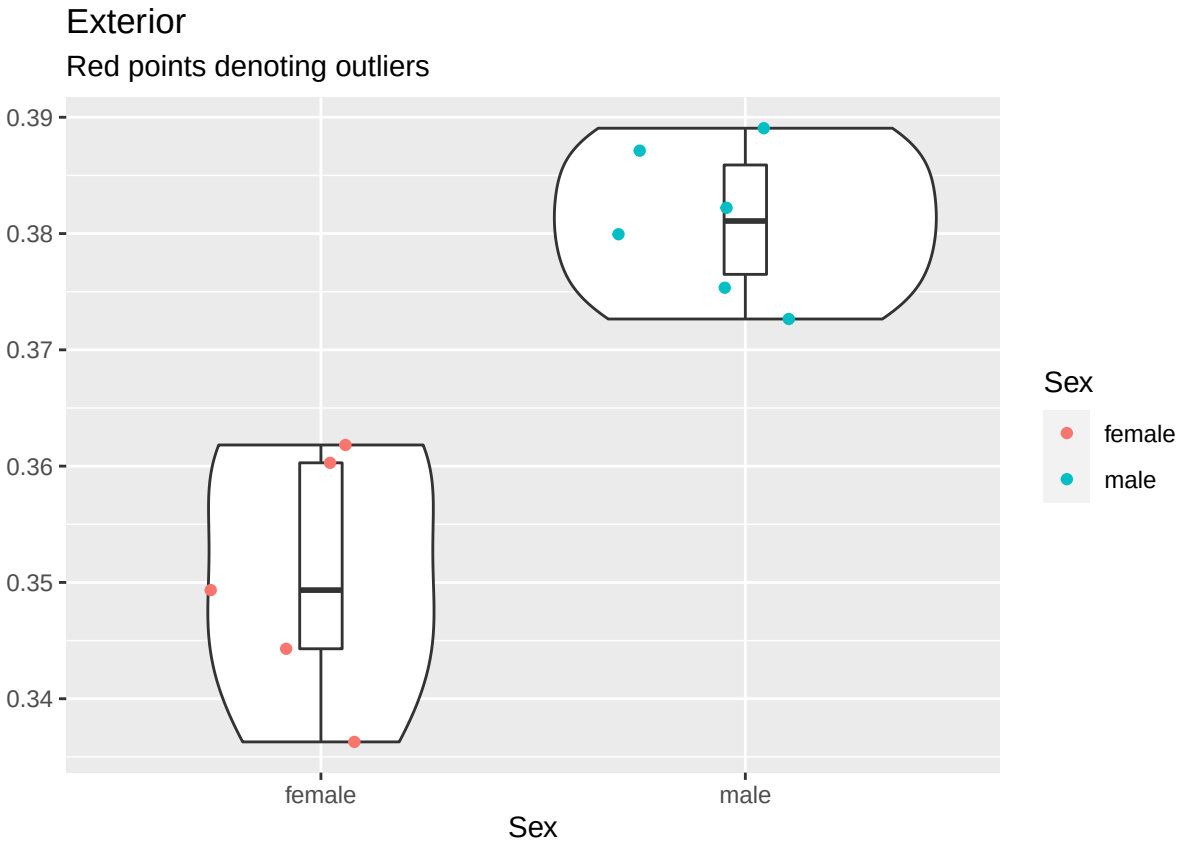

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.866e-08 4.866e-08   4.197 0.0708 .
## Residuals    9 1.044e-07 1.159e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```




```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 6.983e-08 6.983e-08   2.902  0.123
## Residuals    9 2.165e-07 2.406e-08
```




```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.969e-08 3.969e-08   4.263  0.069 .
## Residuals    9 8.379e-08 9.310e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```




```
##             Df    Sum Sq   Mean Sq F value   Pr(>F)
## Sex          1 0.0025623 0.0025623   34.29 0.000242 ***
## Residuals    9 0.0006724 0.0000747
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```