Left APOE4 Disaggregated by Sex

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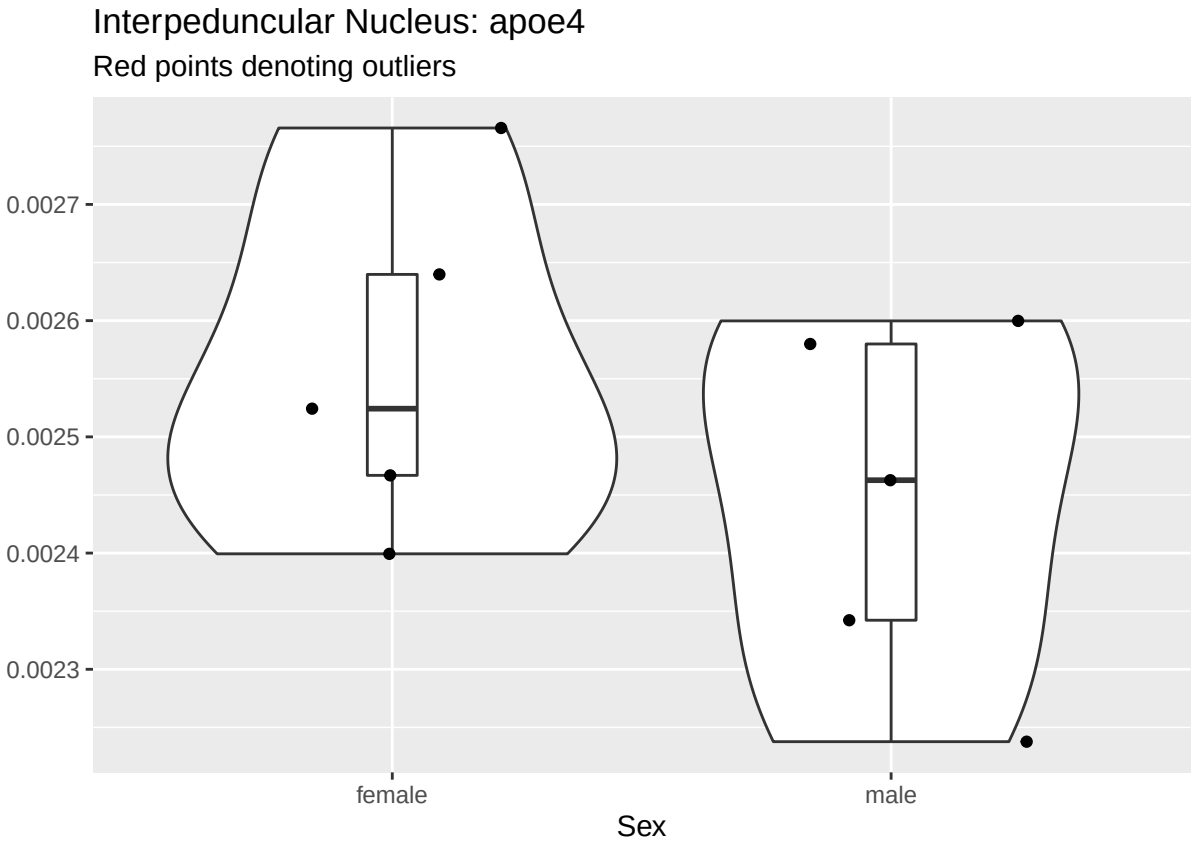
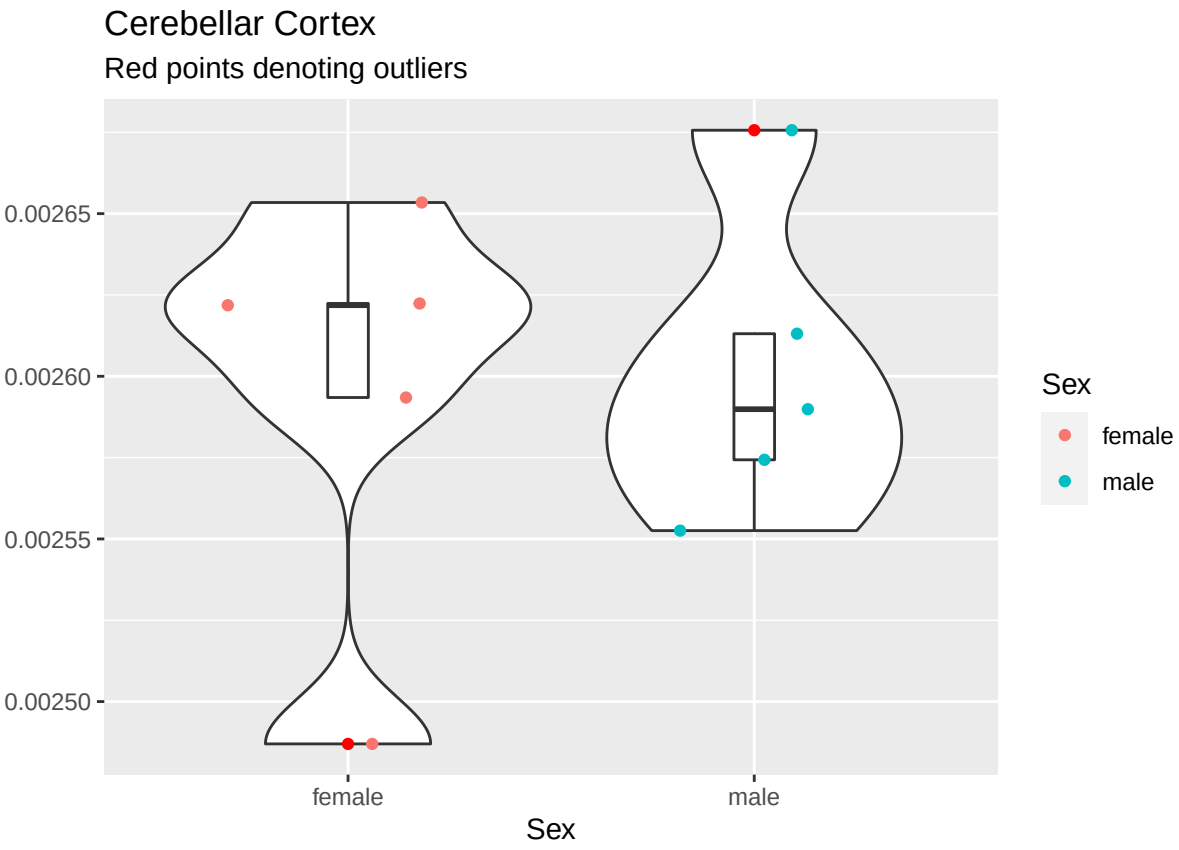
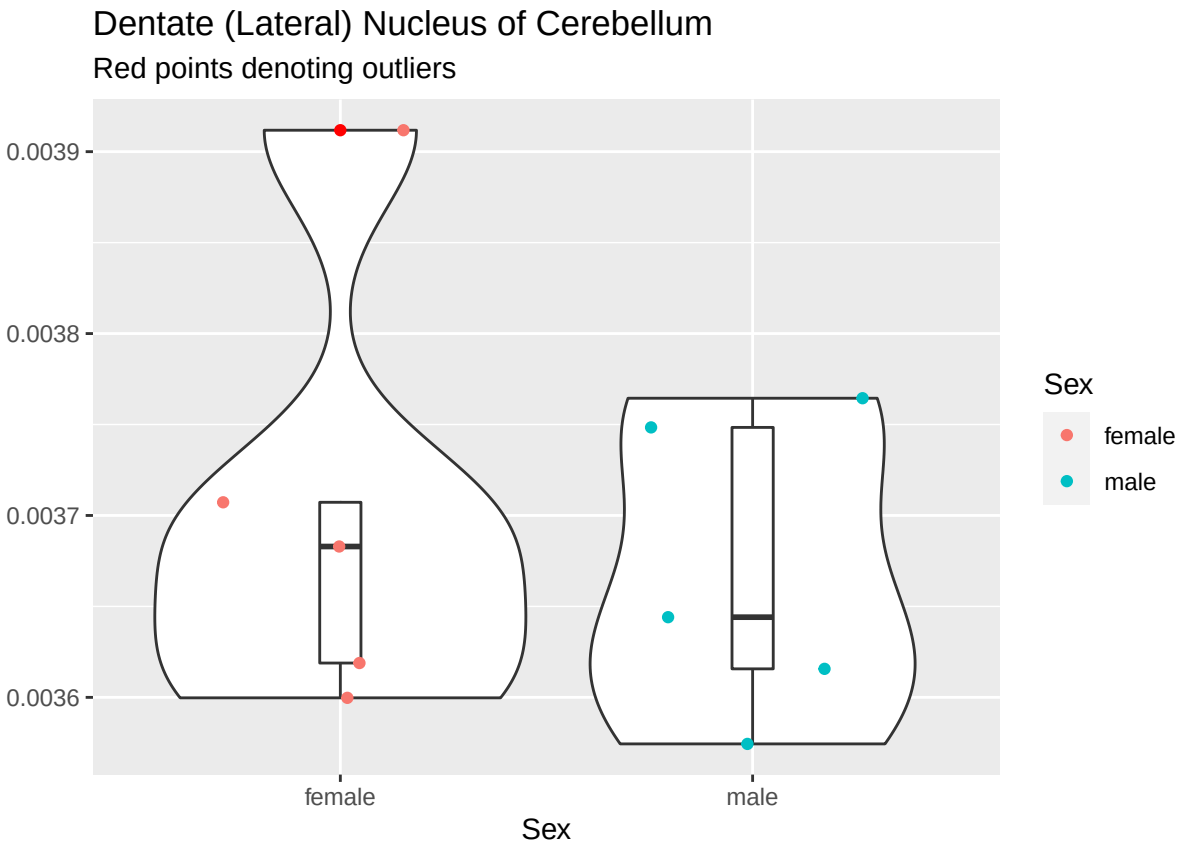
3/21/2021



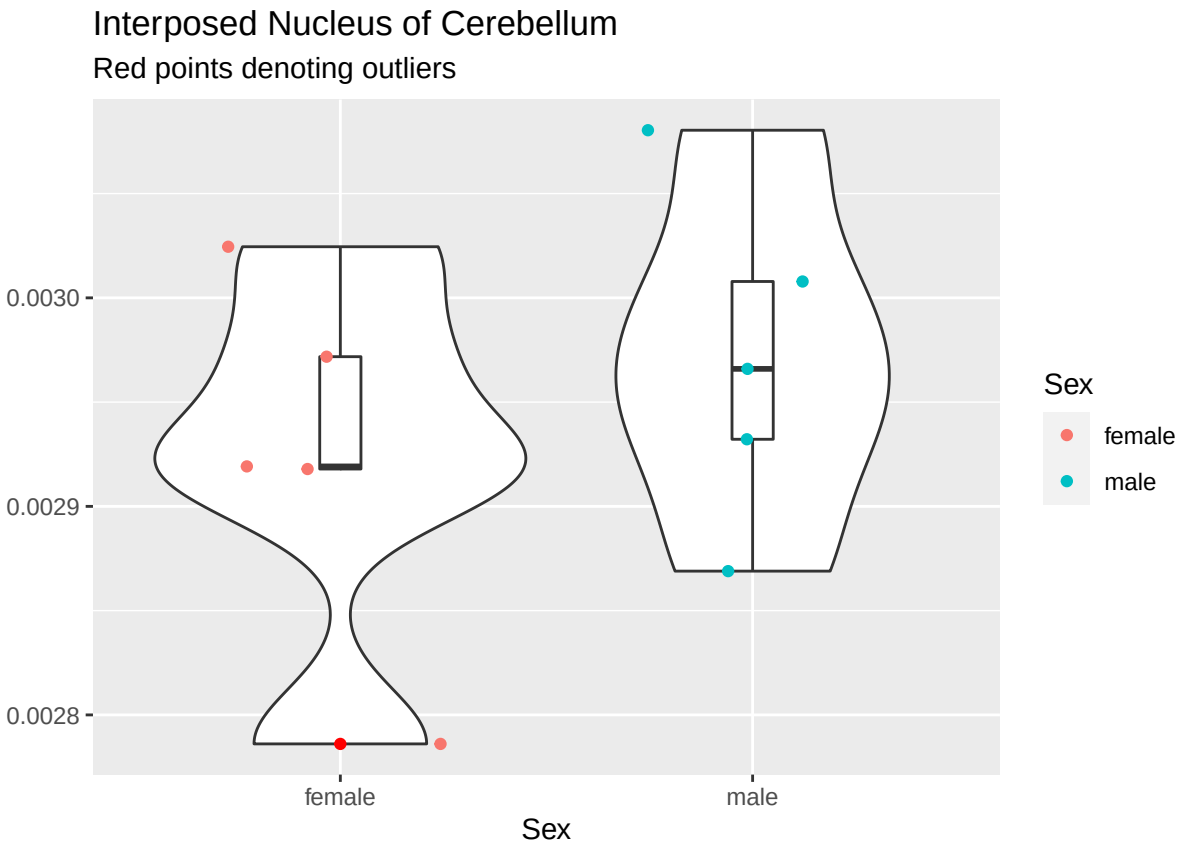

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.291e-08 3.291e-08   1.459  0.262
## Residuals    8 1.805e-07 2.256e-08
```



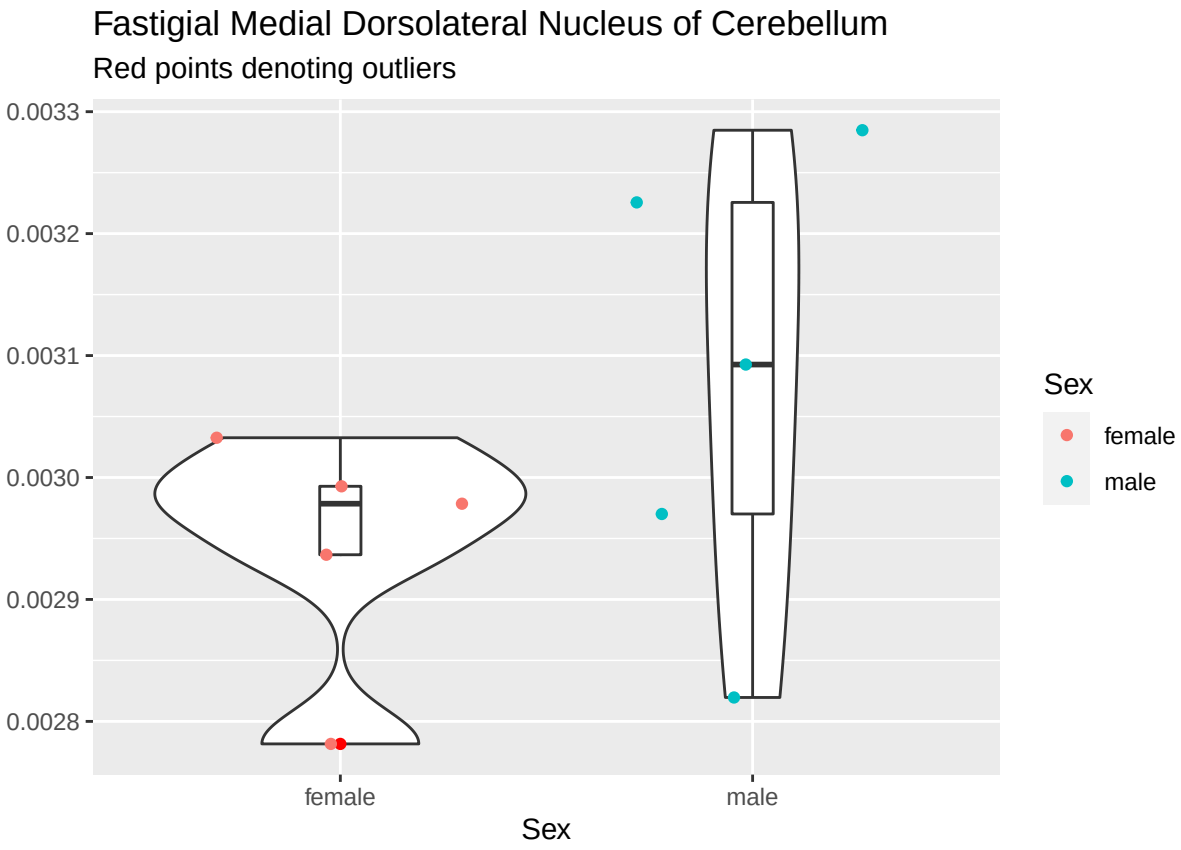

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 7.500e-11 7.500e-11   0.024  0.882
## Residuals    8 2.545e-08 3.182e-09
```



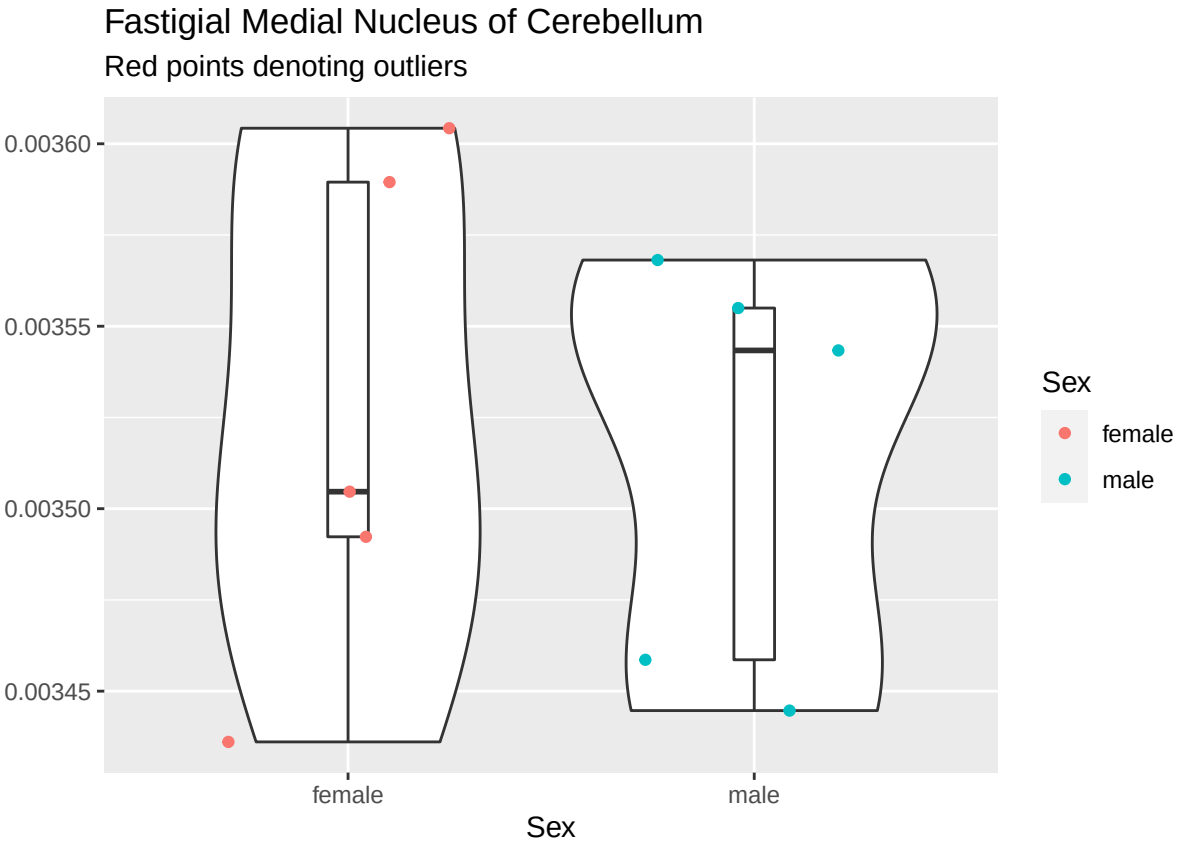

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.010e-09 3.012e-09   0.269  0.618
## Residuals    8 8.958e-08 1.120e-08
```




```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.560e-09 5.562e-09   0.784  0.402
## Residuals    8 5.673e-08 7.092e-09
```



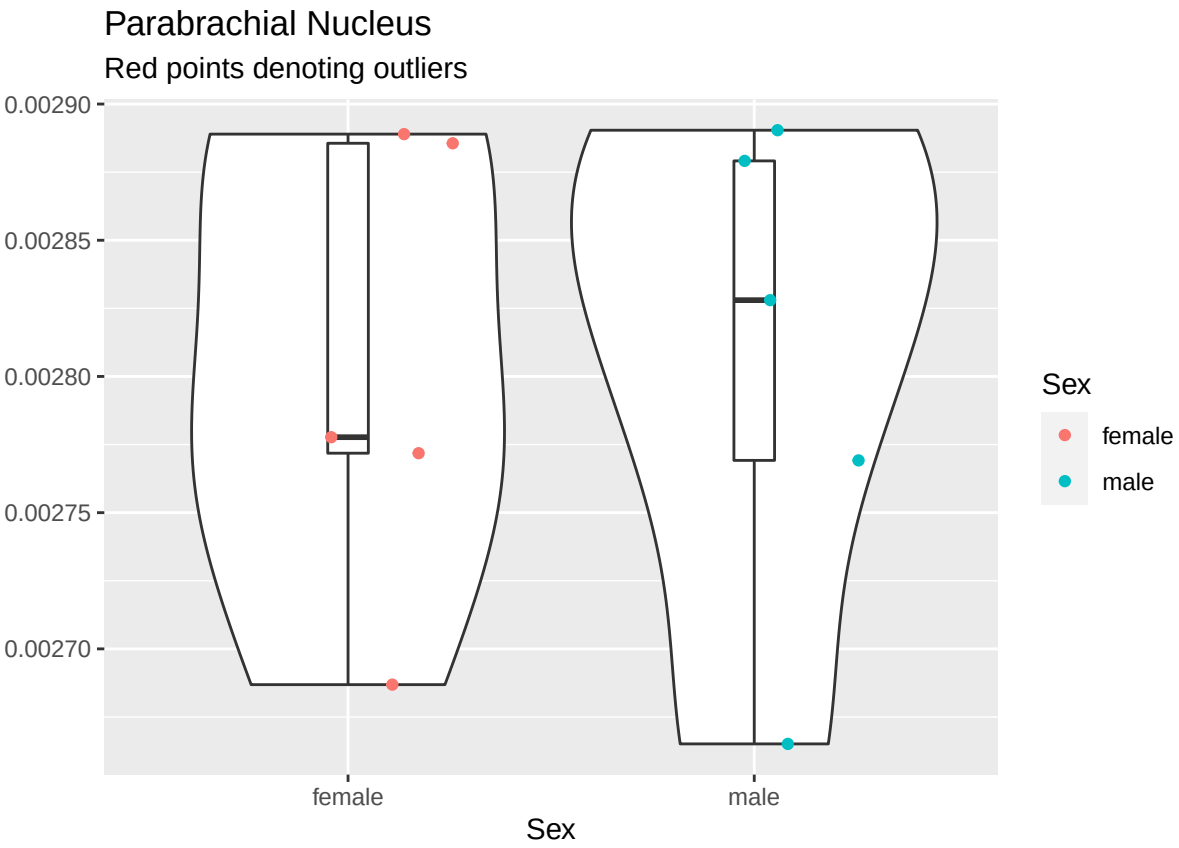

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.498e-08 4.498e-08   1.987  0.196
## Residuals    8 1.810e-07 2.263e-08
```



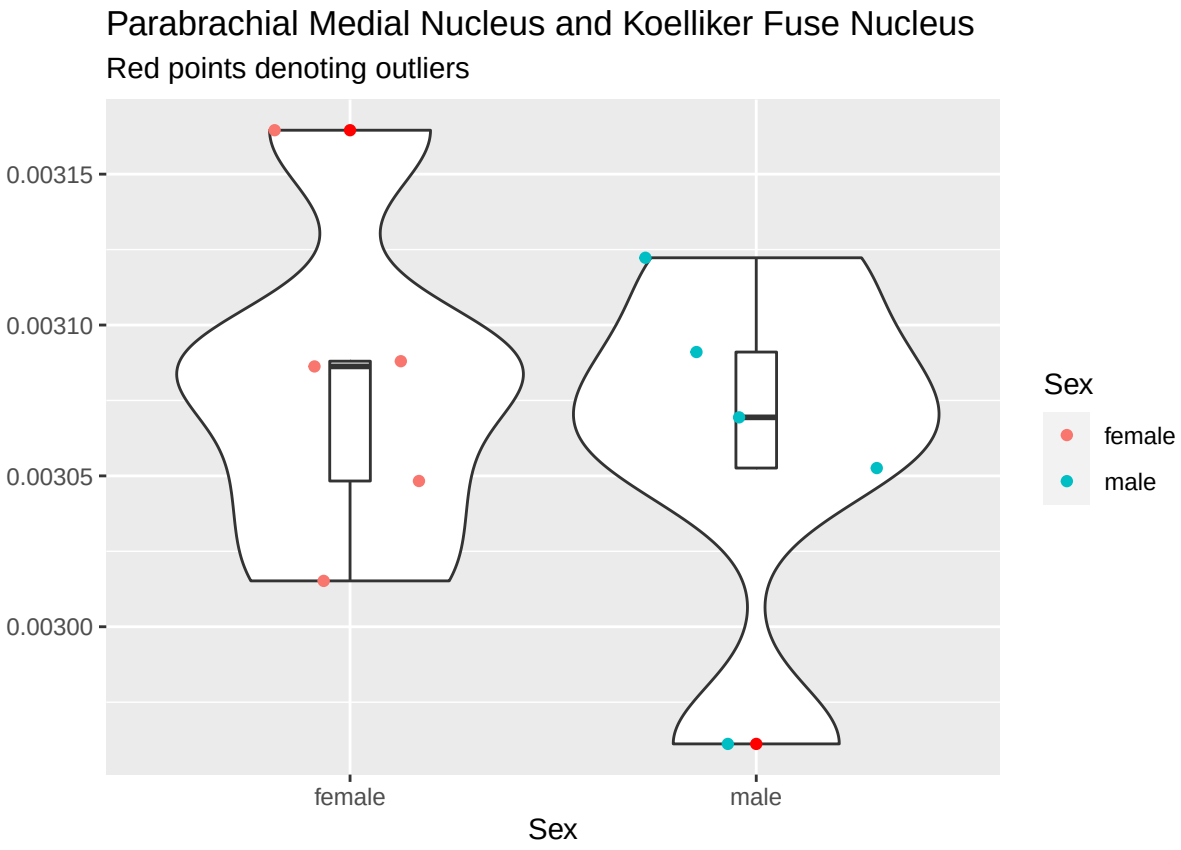

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.300e-10 3.250e-10   0.078  0.786
## Residuals    8 3.318e-08 4.148e-09
```

#“‘{r VII, echo = FALSE} #ggplot(data = apoe4, 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")

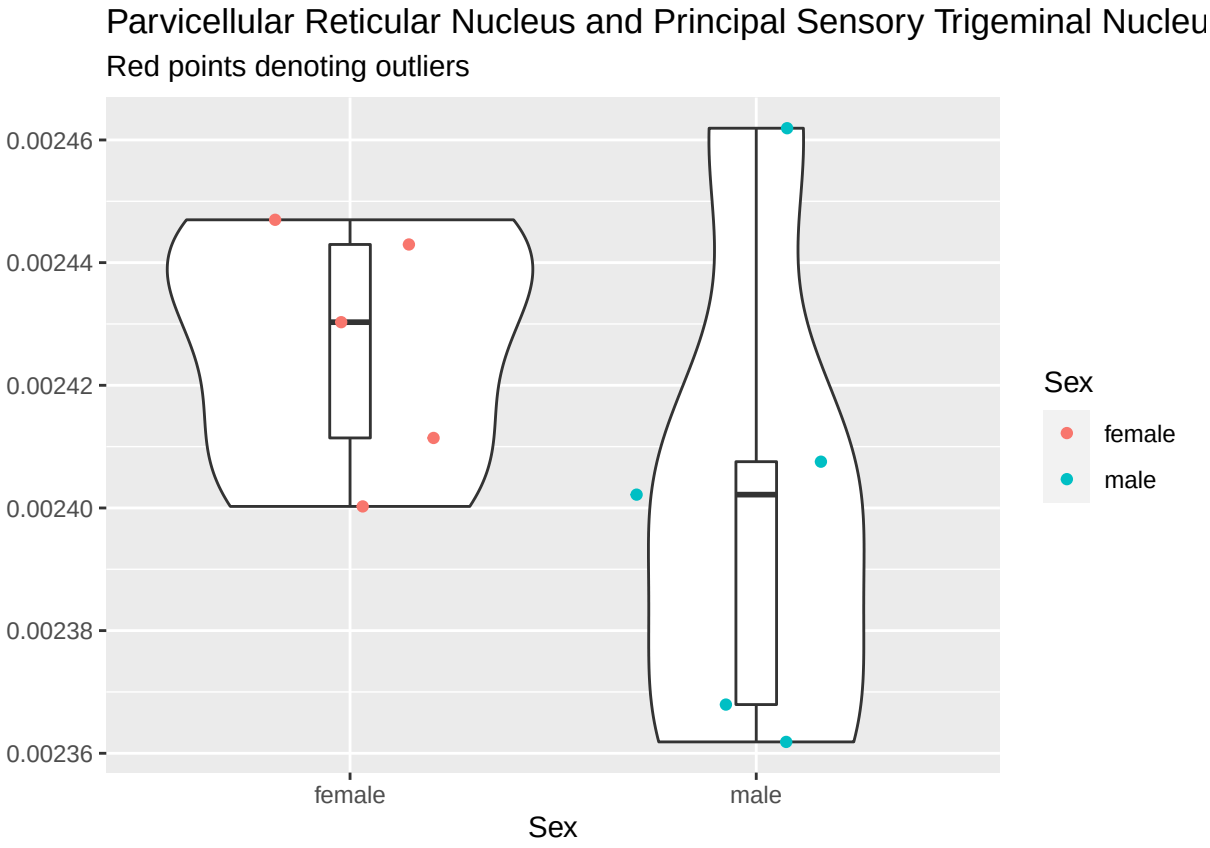
#res.aov <- aov(VII ~ Sex, data = apoe4) #summary(res.aov) #“‘



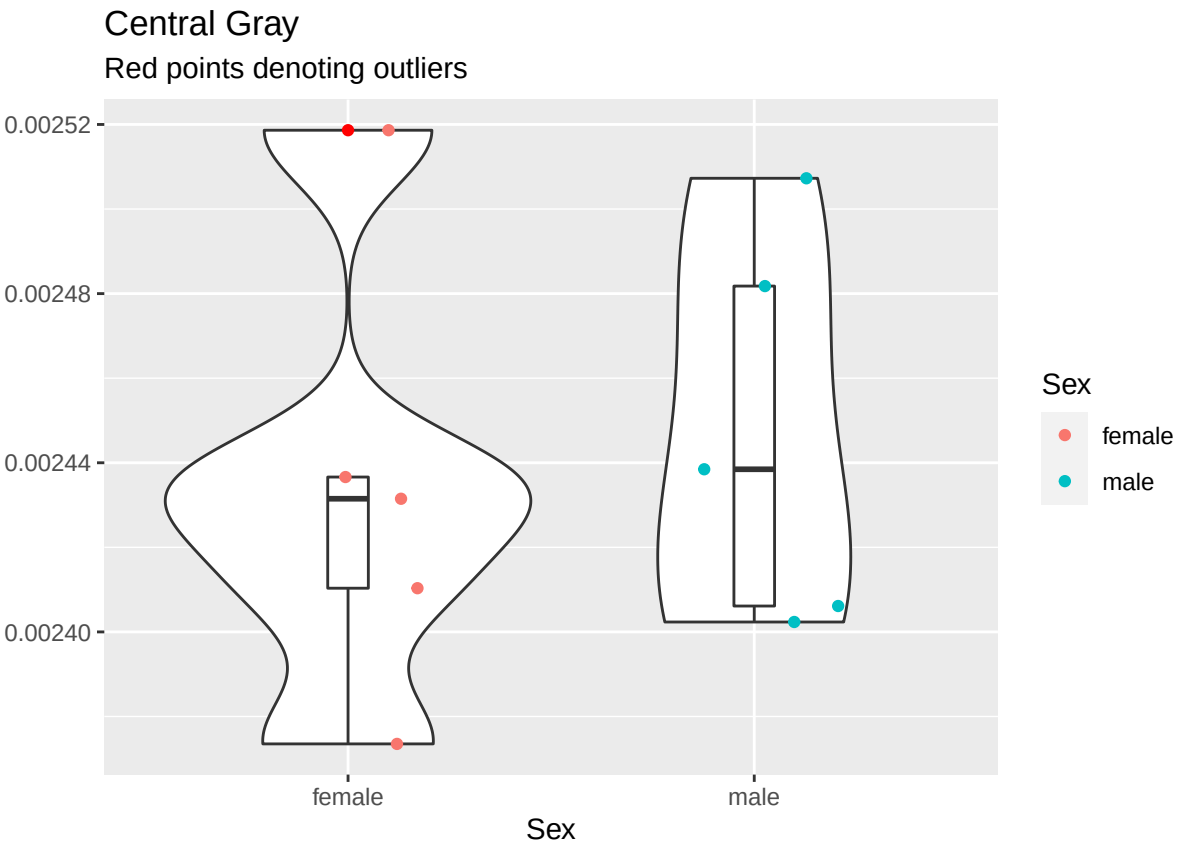

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.000e-11 4.400e-11   0.005  0.943
## Residuals    8 6.346e-08 7.933e-09
```



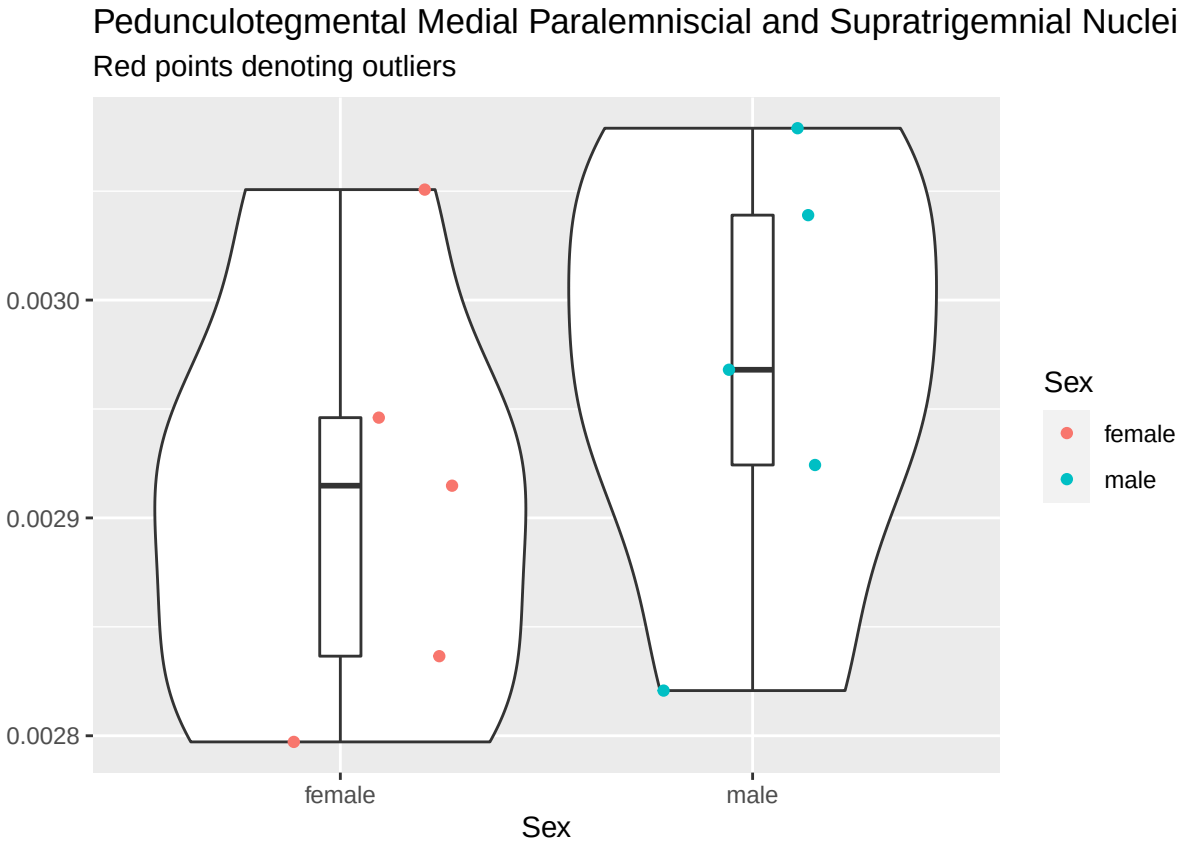

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 1.120e-09 1.120e-09   0.329  0.582
## Residuals     8 2.721e-08 3.401e-09
```



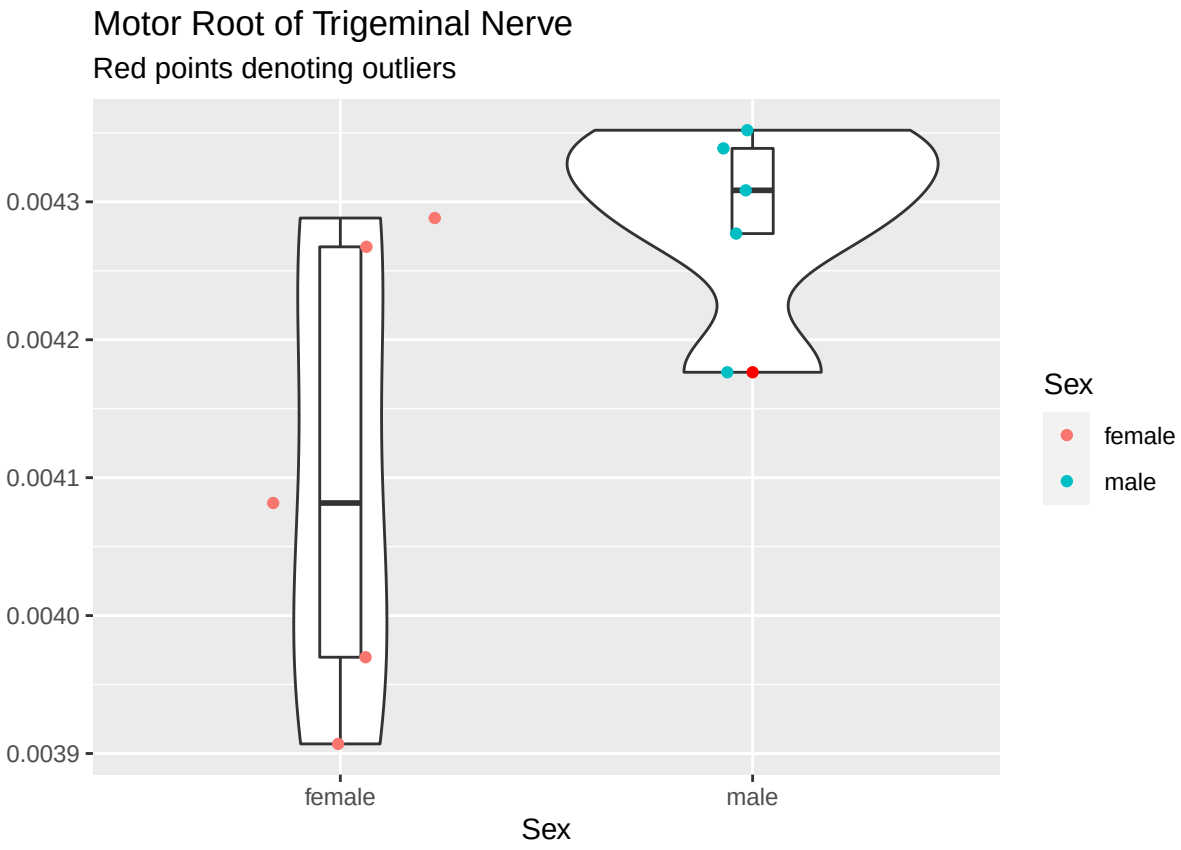

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.702e-09 1.702e-09   1.702  0.228
## Residuals    8 7.999e-09 9.998e-10
```



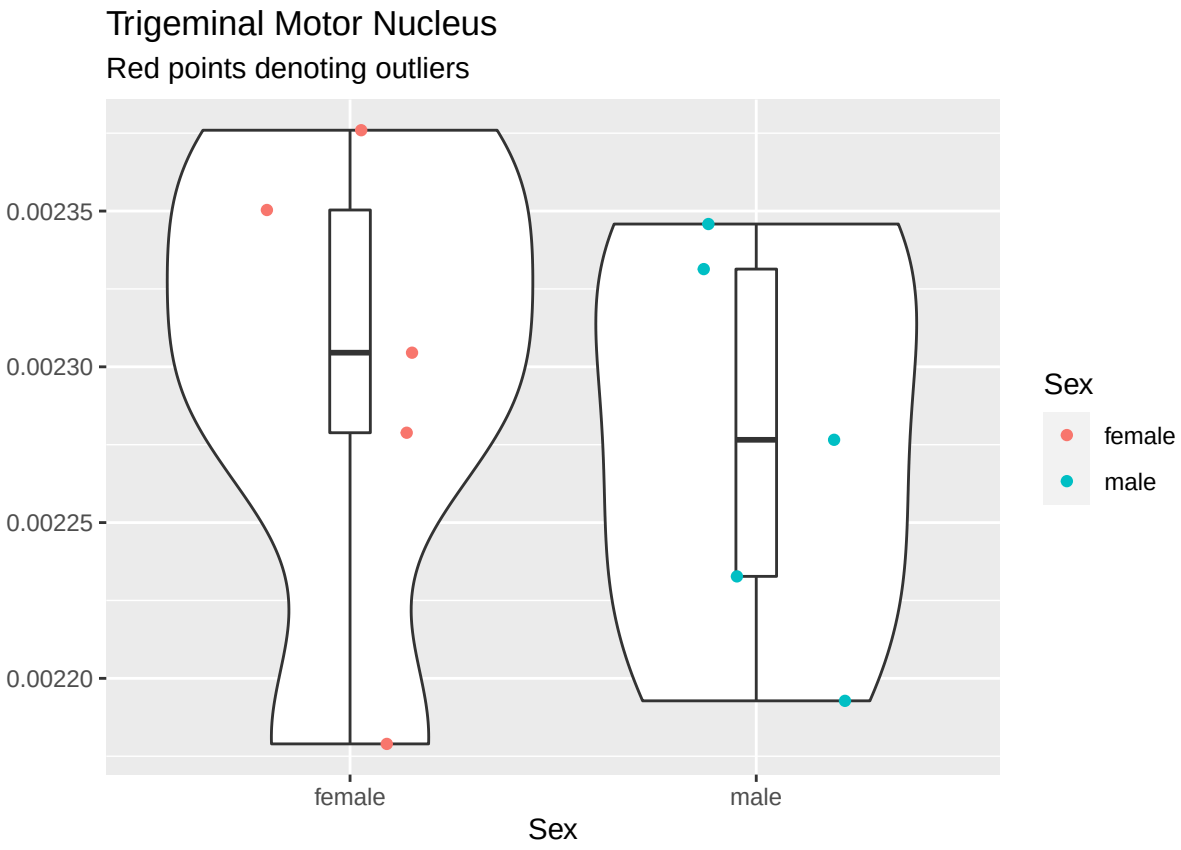

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.270e-10 4.275e-10   0.171   0.69
## Residuals    8 1.997e-08 2.497e-09
```



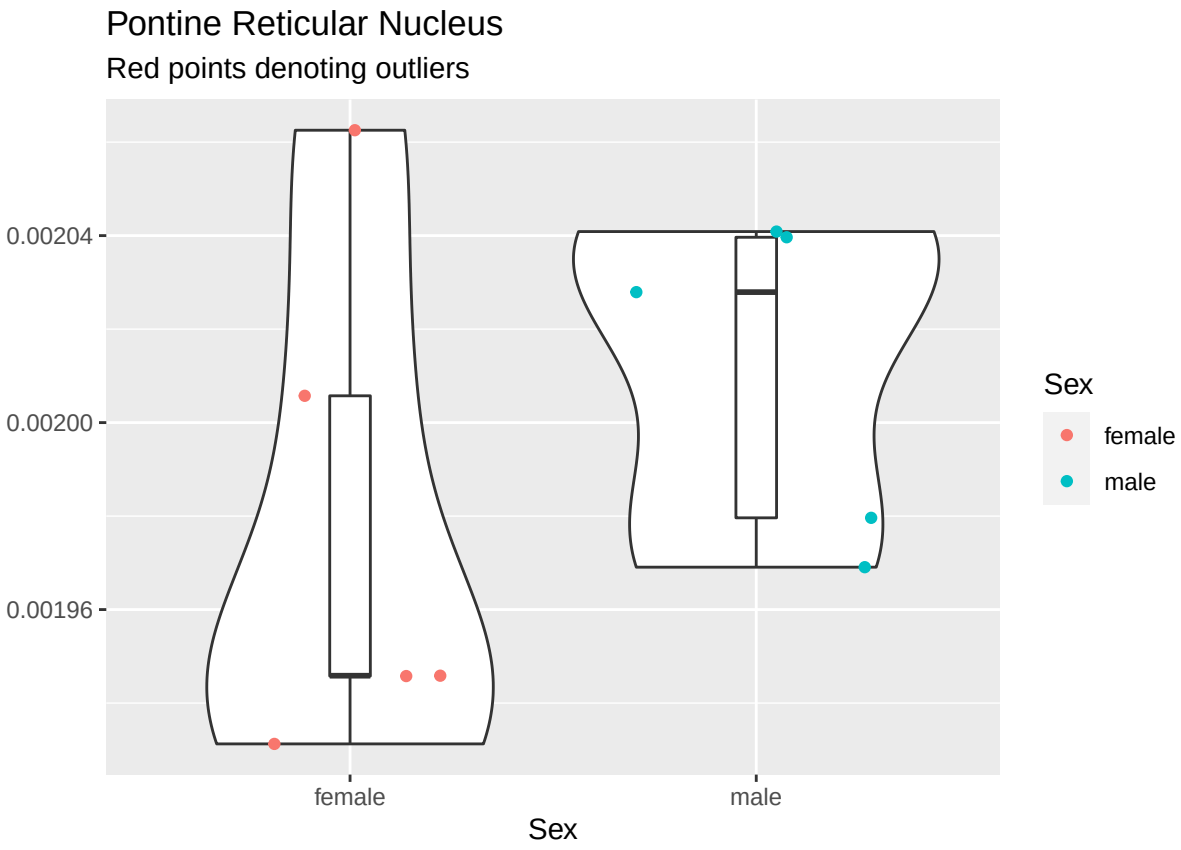

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 8.160e-09 8.161e-09   0.814  0.393
## Residuals    8 8.016e-08 1.002e-08
```



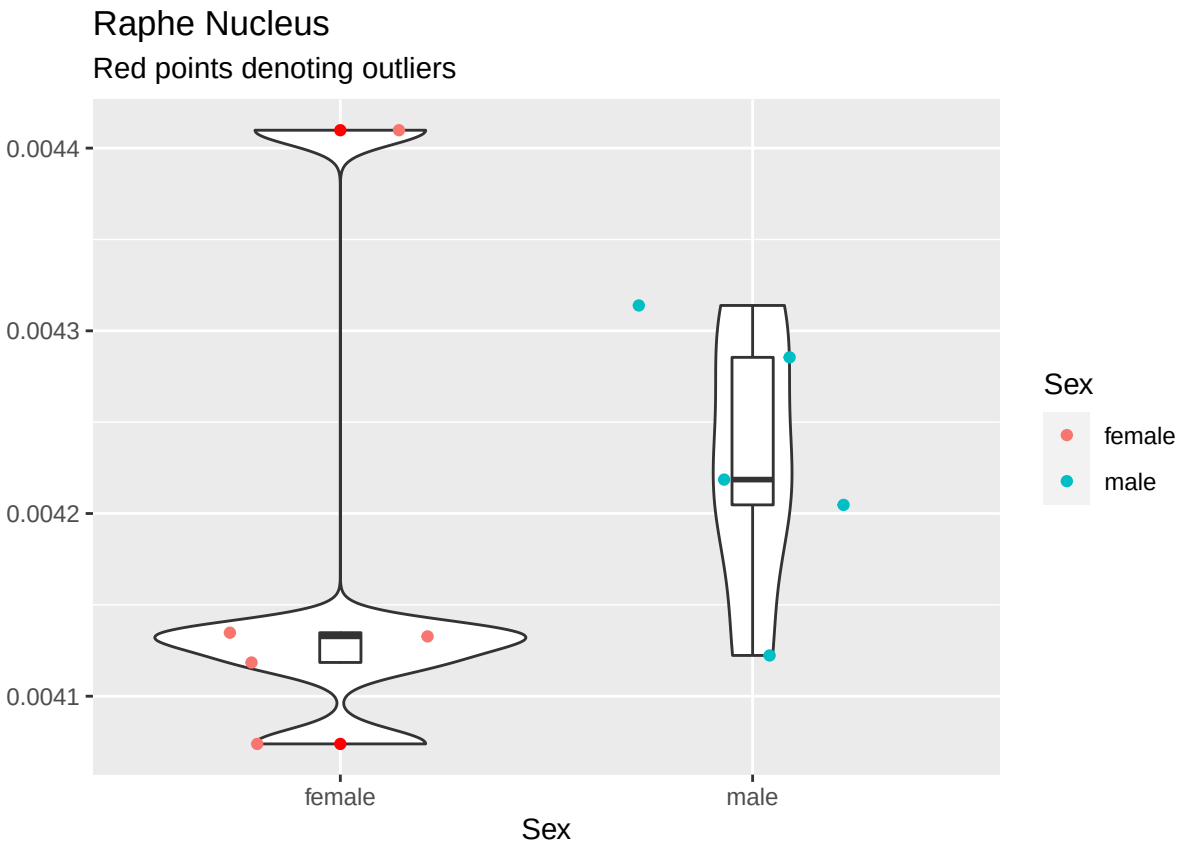

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 8.806e-08 8.806e-08    5.12 0.0535 .
## Residuals    8 1.376e-07 1.720e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



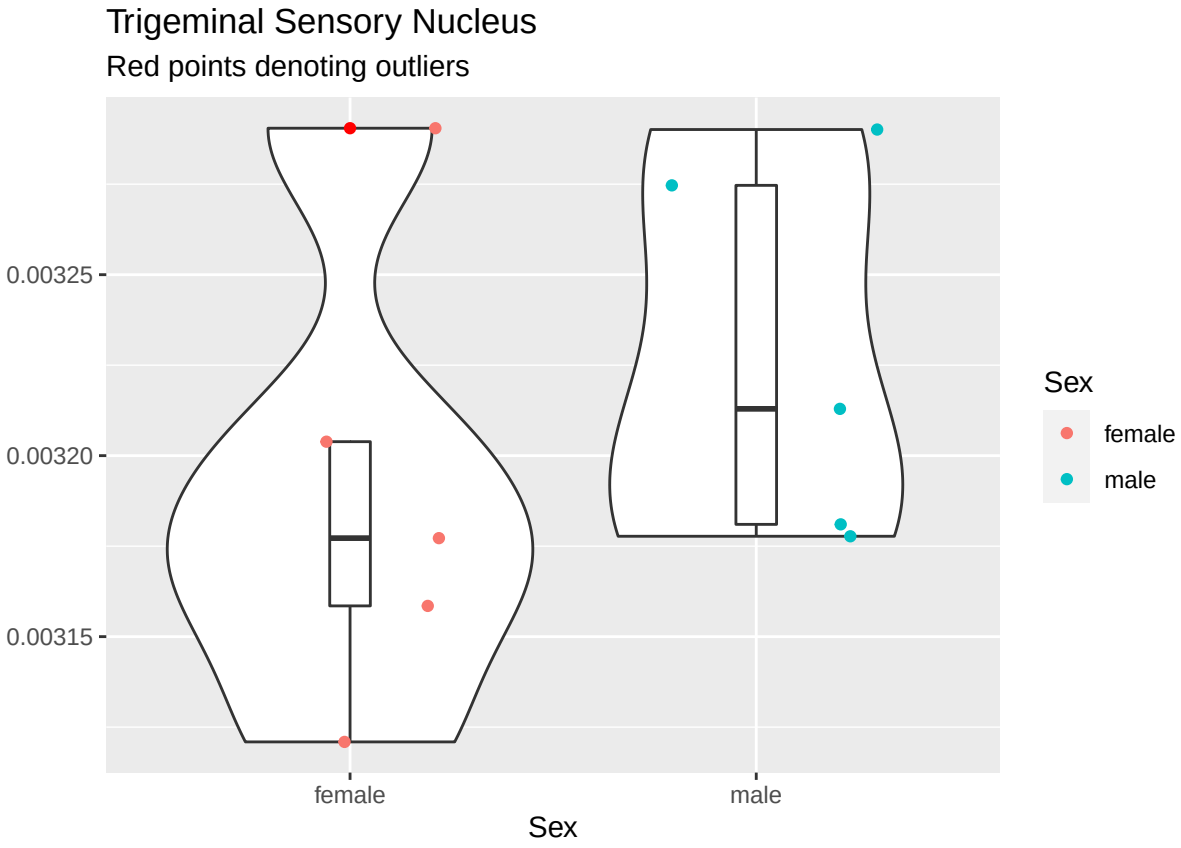

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.200e-09 1.195e-09   0.238  0.639
## Residuals    8 4.014e-08 5.017e-09
```



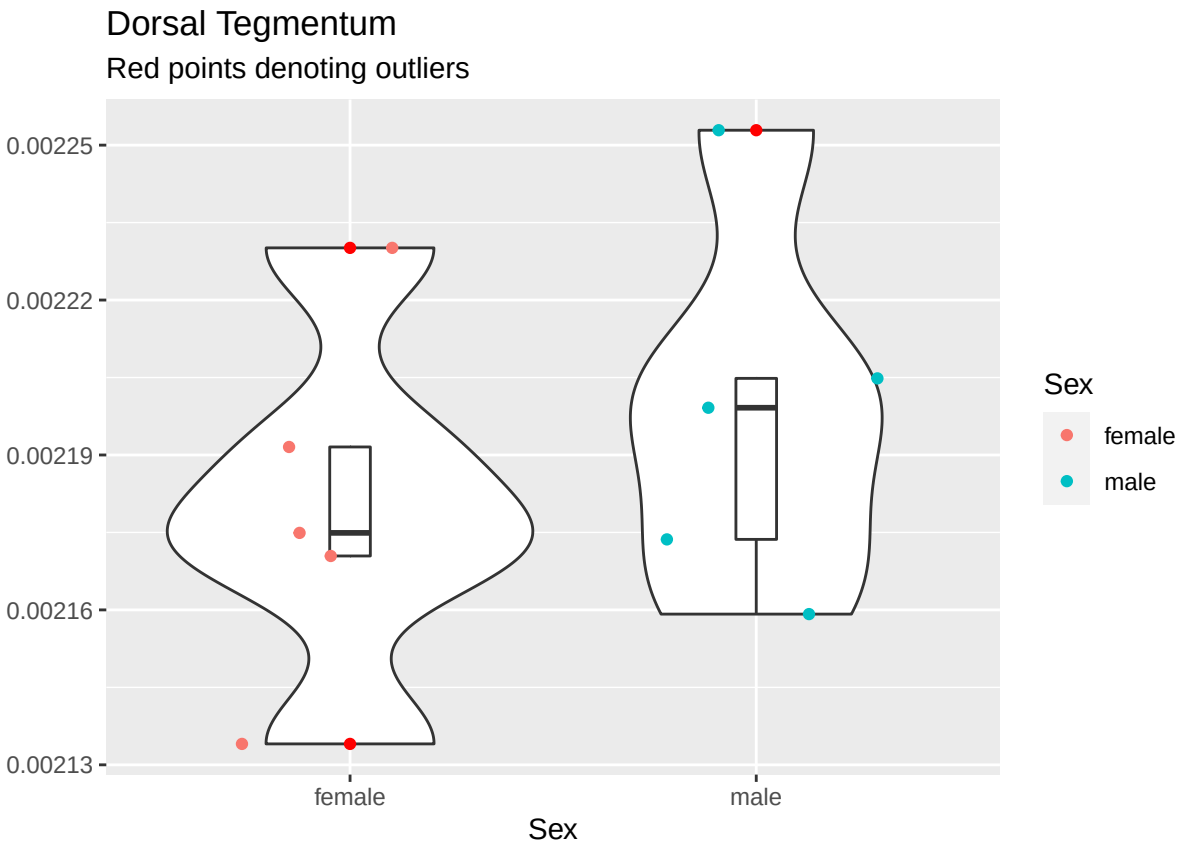

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.754e-09 2.754e-09   1.303  0.287
## Residuals    8 1.691e-08 2.114e-09
```



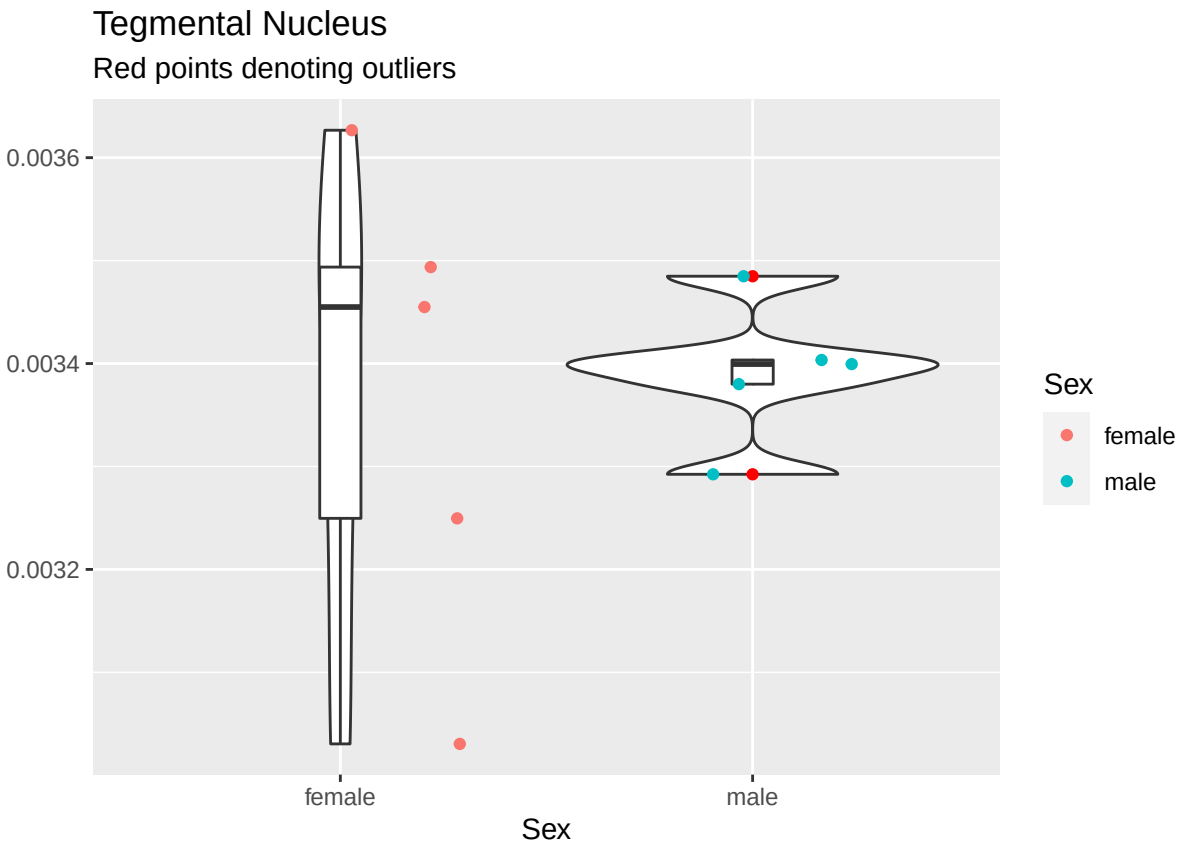

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 7.580e-09 7.578e-09   0.642  0.446
## Residuals    8 9.442e-08 1.180e-08
```



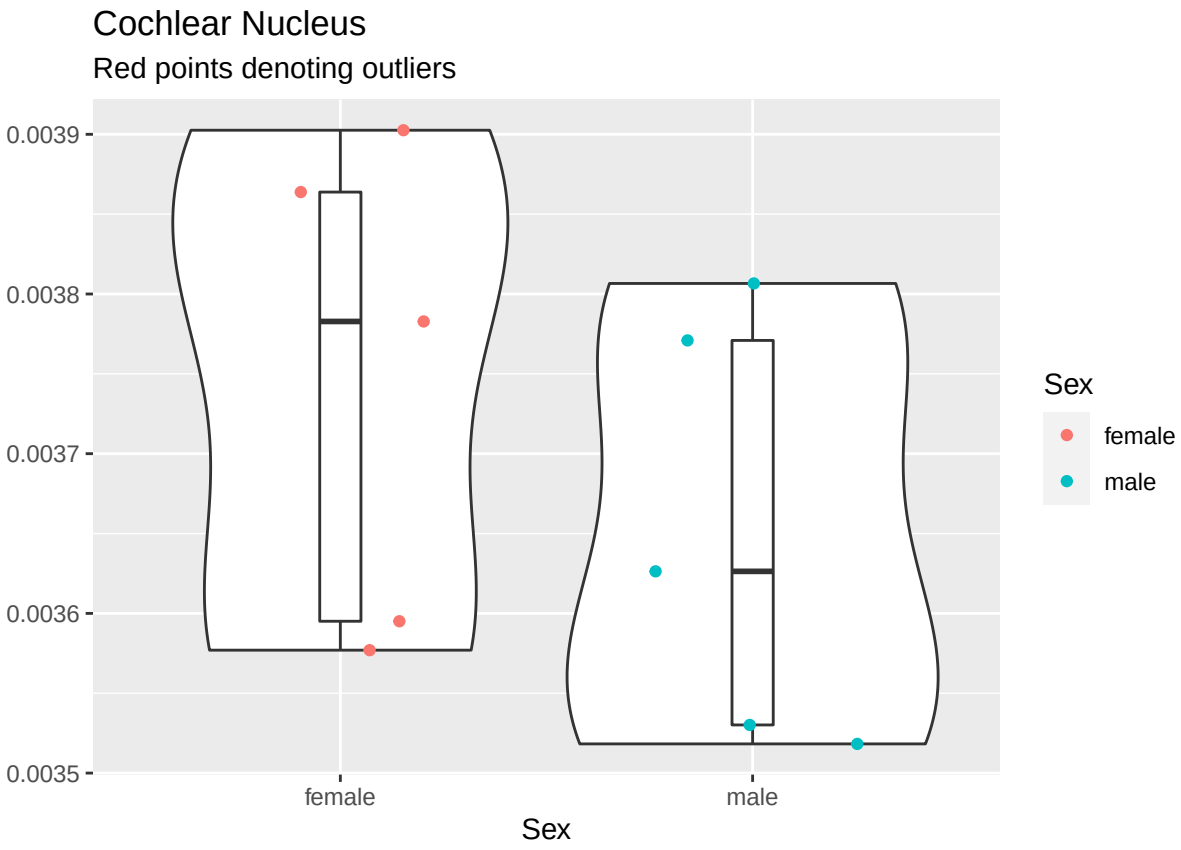

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.441e-09 3.441e-09   1.012  0.344
## Residuals    8 2.721e-08 3.401e-09
```



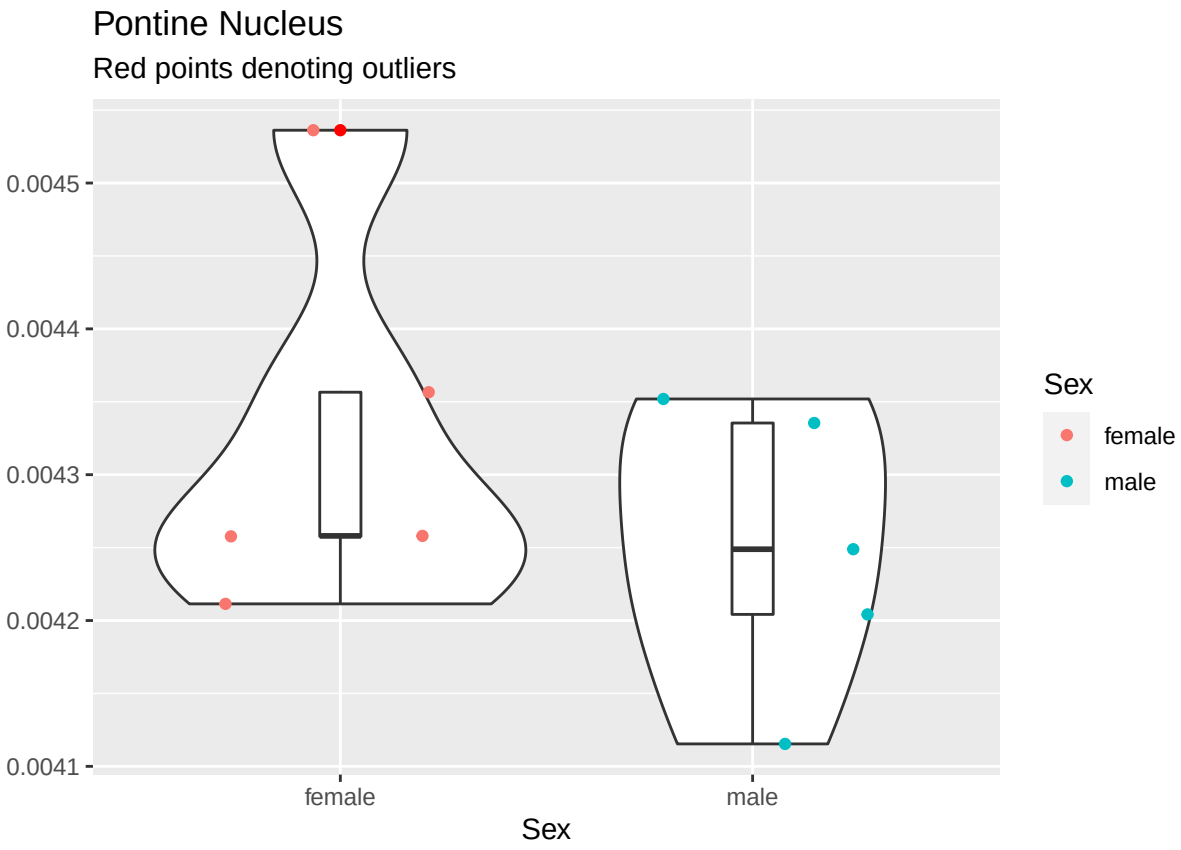

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 7.860e-10 7.859e-10   0.627  0.451
## Residuals    8 1.003e-08 1.254e-09
```



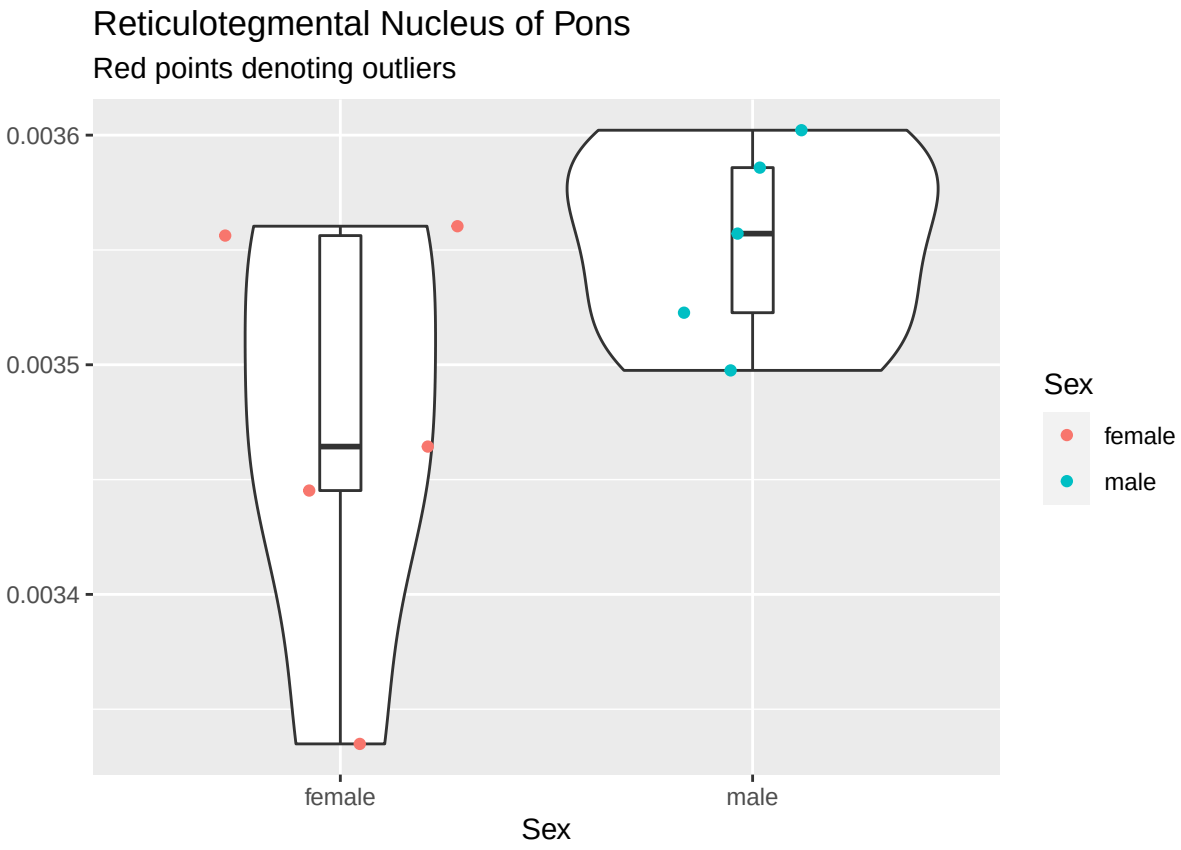

```
##             Df   Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.10e-09 1.097e-09   0.037  0.852
## Residuals    8 2.37e-07 2.963e-08
```



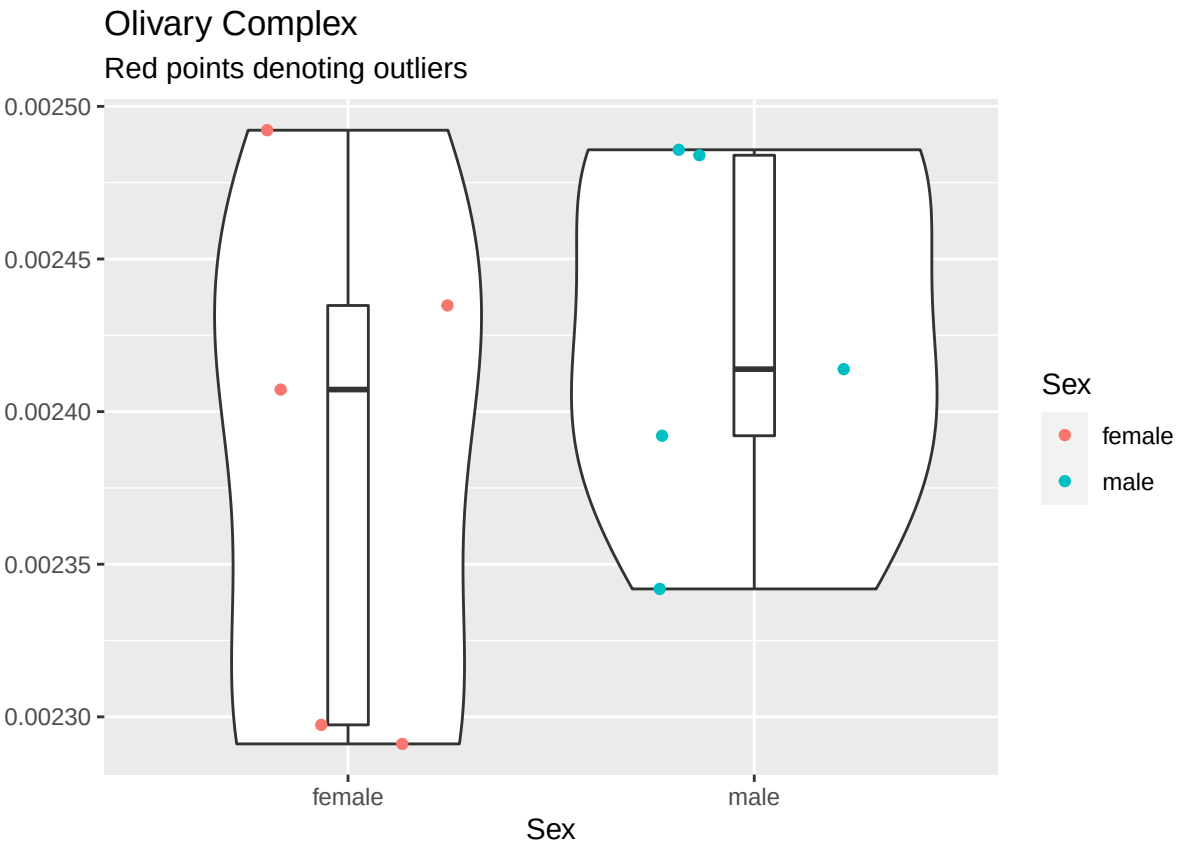

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.199e-08 2.199e-08   1.083  0.329
## Residuals    8 1.625e-07 2.031e-08
```




```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.326e-08 1.326e-08   1.006  0.345
## Residuals    8 1.054e-07 1.318e-08
```



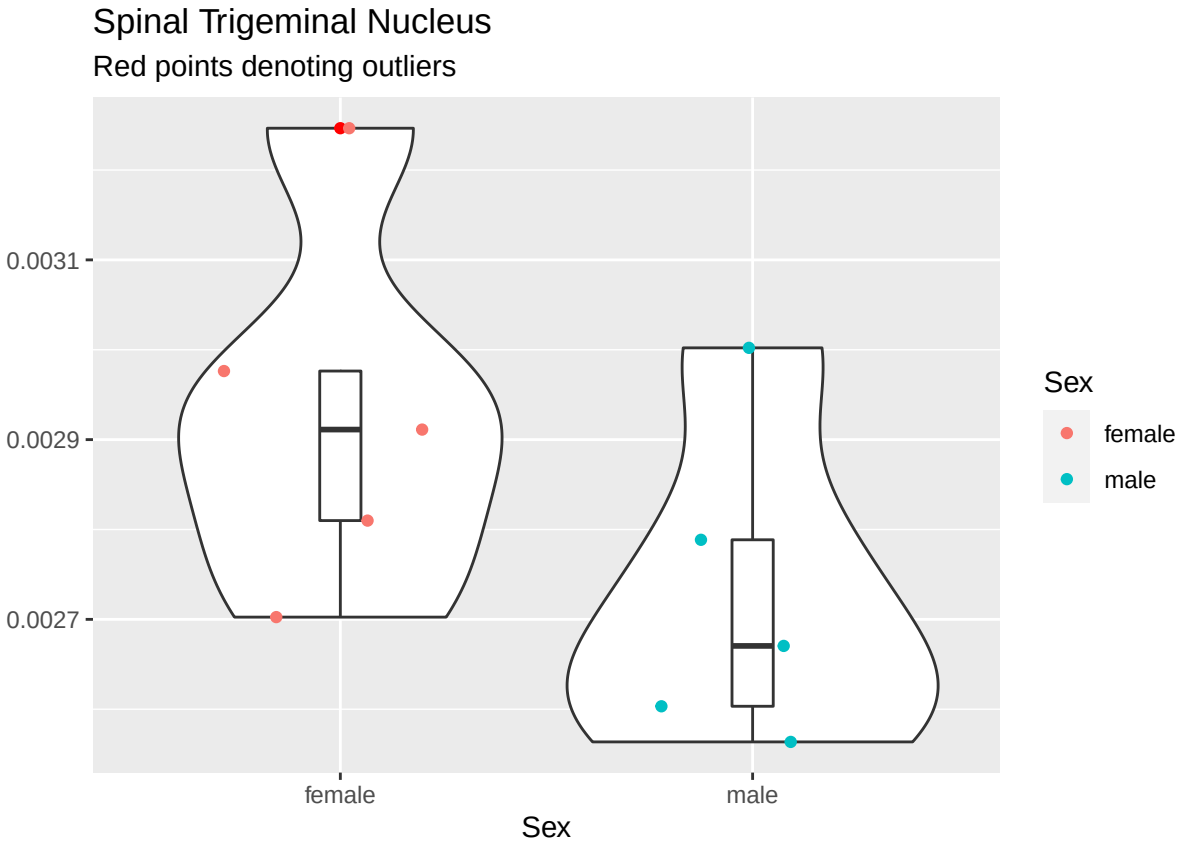

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.634e-08 1.634e-08   3.114  0.116
## Residuals    8 4.198e-08 5.248e-09
```



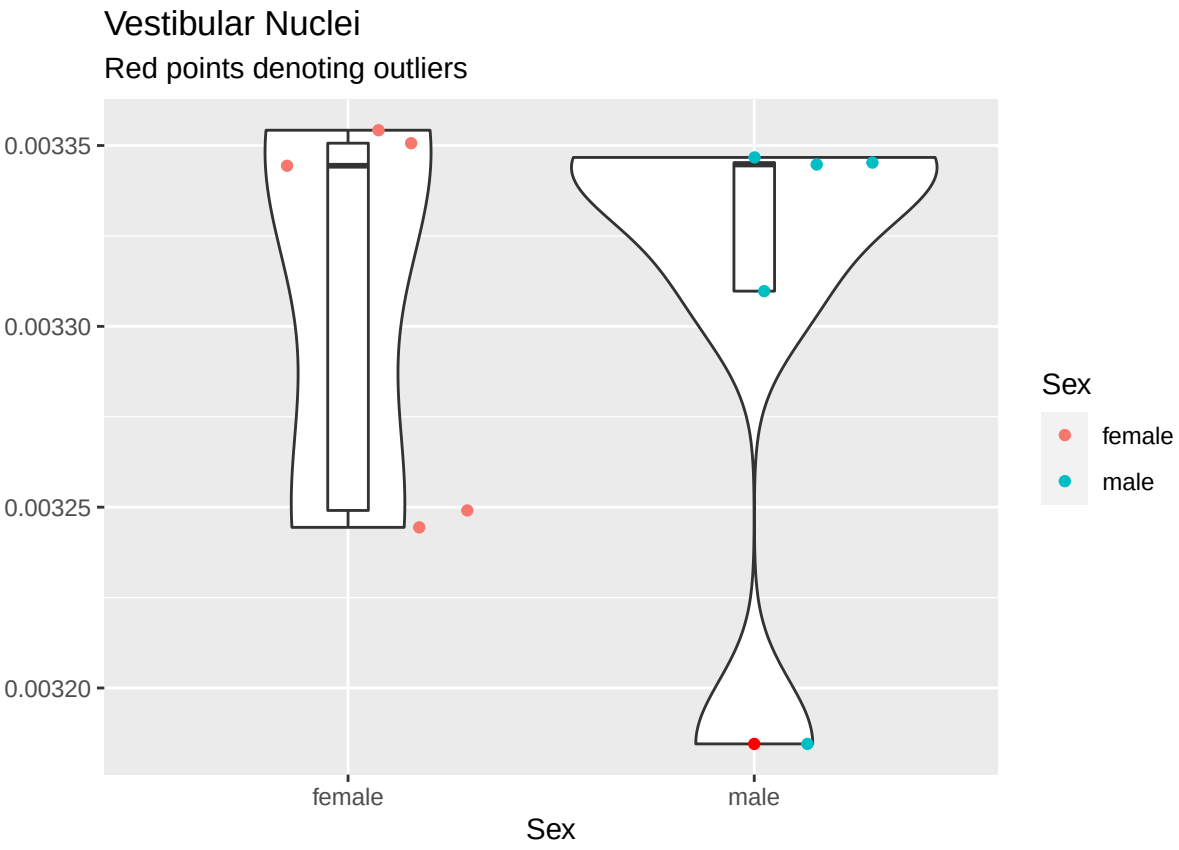

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.800e-09 3.802e-09   0.658  0.441
## Residuals    8 4.622e-08 5.778e-09
```

#“‘{r PnRt, echo = FALSE} #ggplot(data = apoe4, 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")

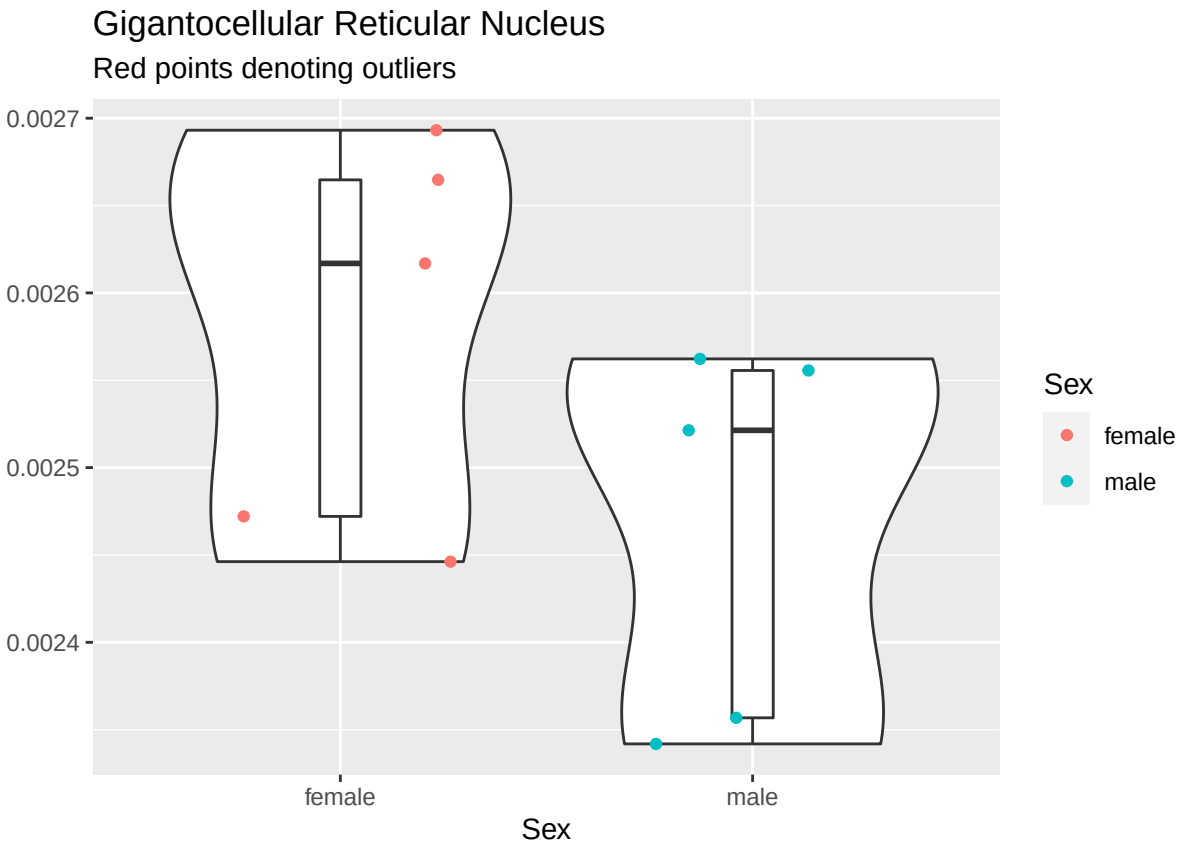
#res.aov <- aov(PnRt ~ Sex, data = apoe4) #summary(res.aov) #“‘



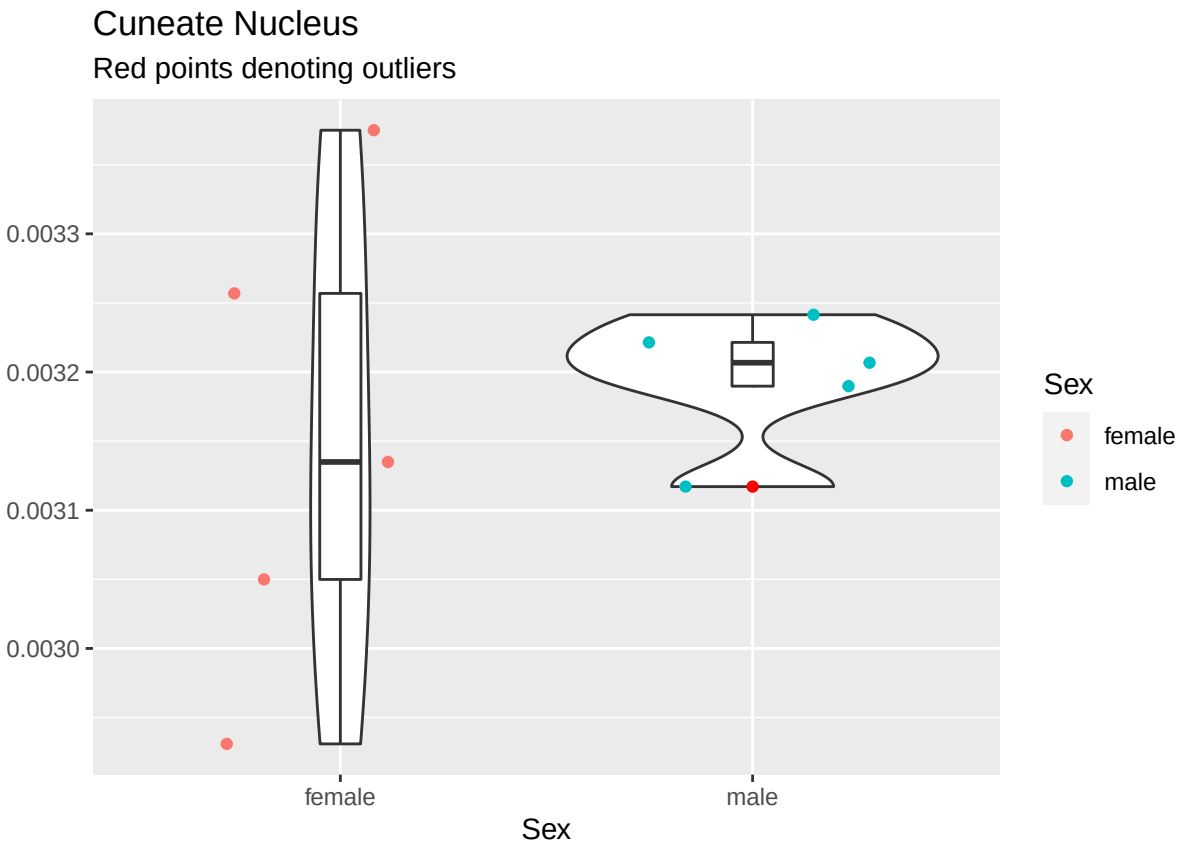

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.037e-07 1.037e-07   2.827  0.131
## Residuals    8 2.935e-07 3.669e-08
```



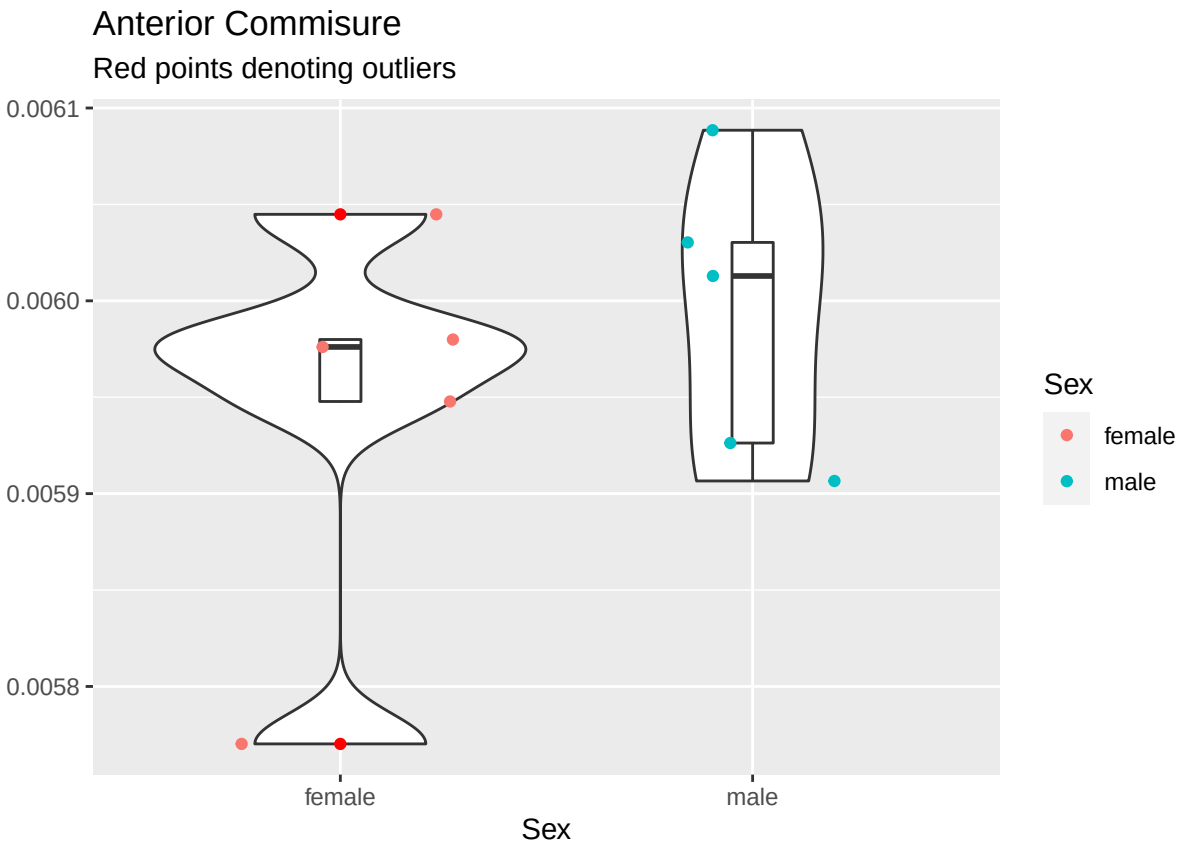

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.000e-11 1.400e-11   0.003  0.955
## Residuals    8 3.226e-08 4.033e-09
```



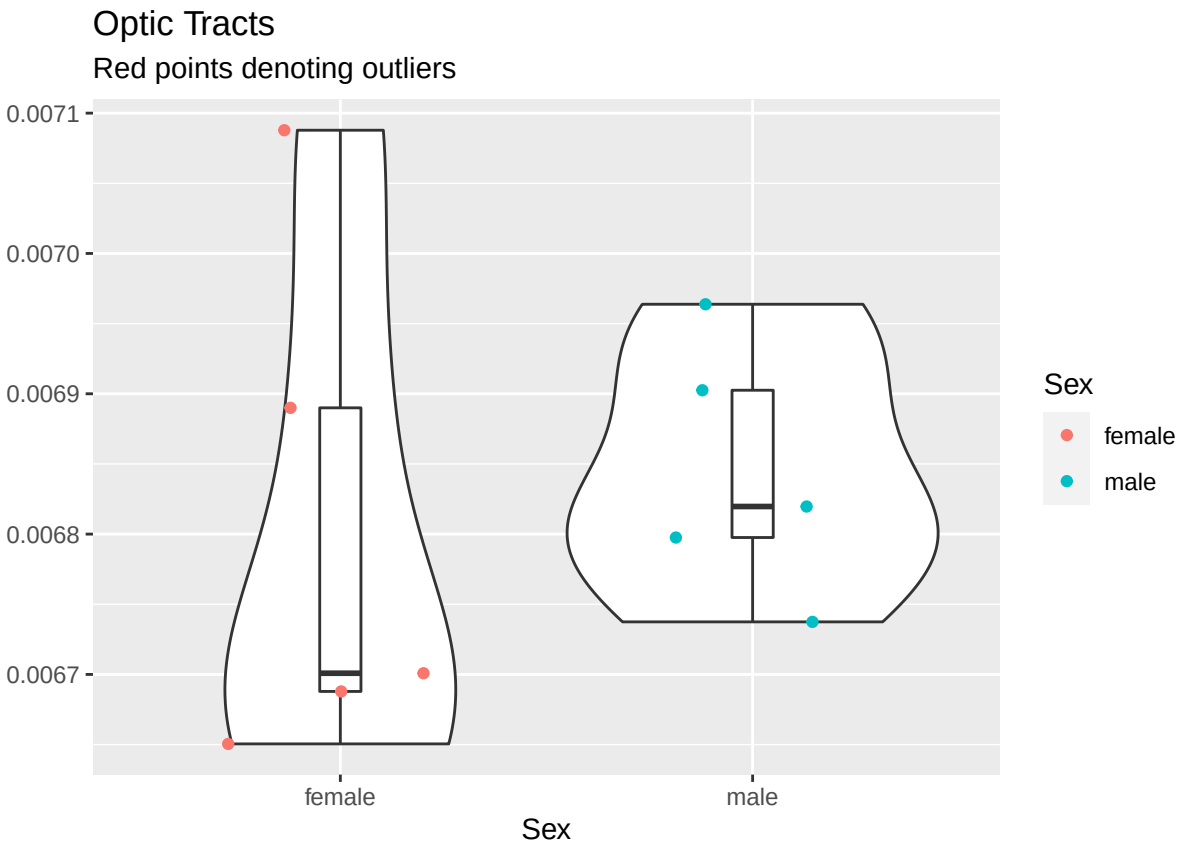

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.082e-08 3.082e-08   2.502  0.152
## Residuals    8 9.855e-08 1.232e-08
```




```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.240e-09 5.239e-09   0.324  0.585
## Residuals    8 1.294e-07 1.617e-08
```

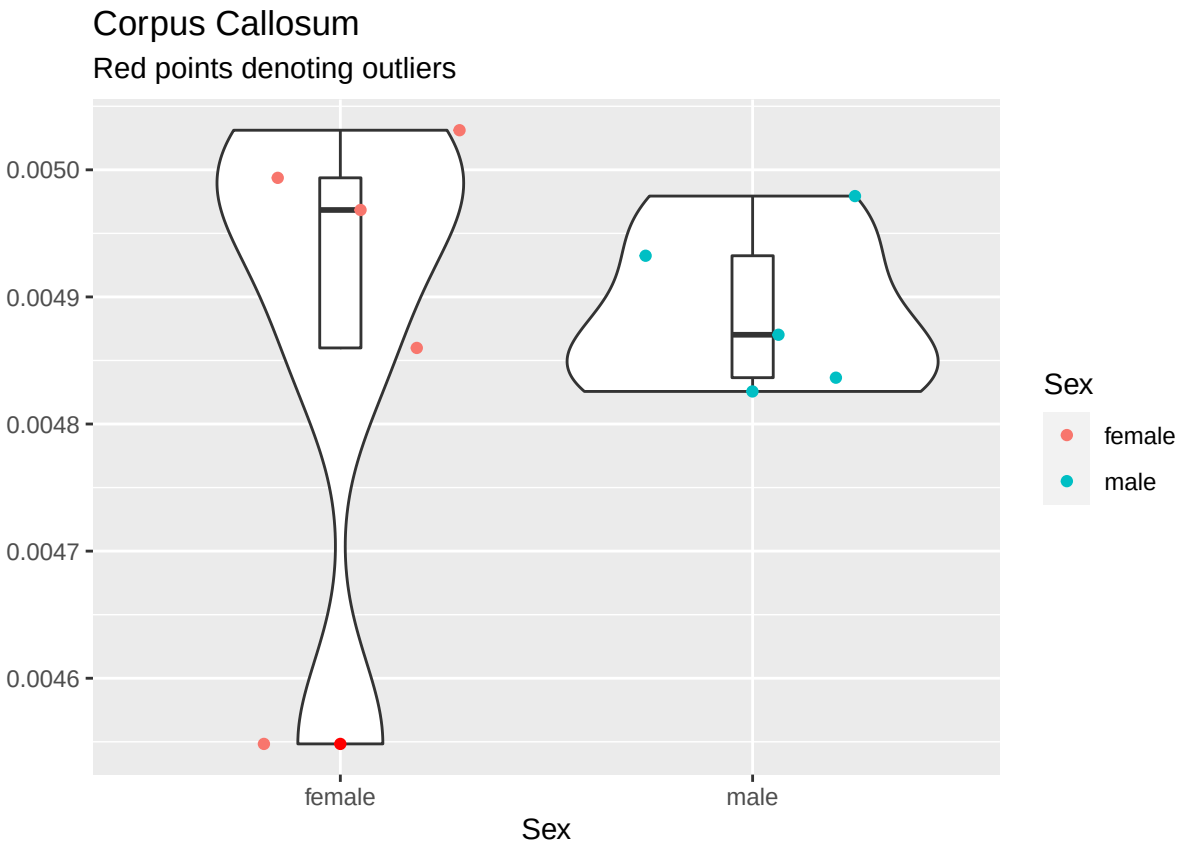



```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 6.030e-09 6.033e-09   0.736  0.416
## Residuals     8 6.554e-08 8.192e-09
```



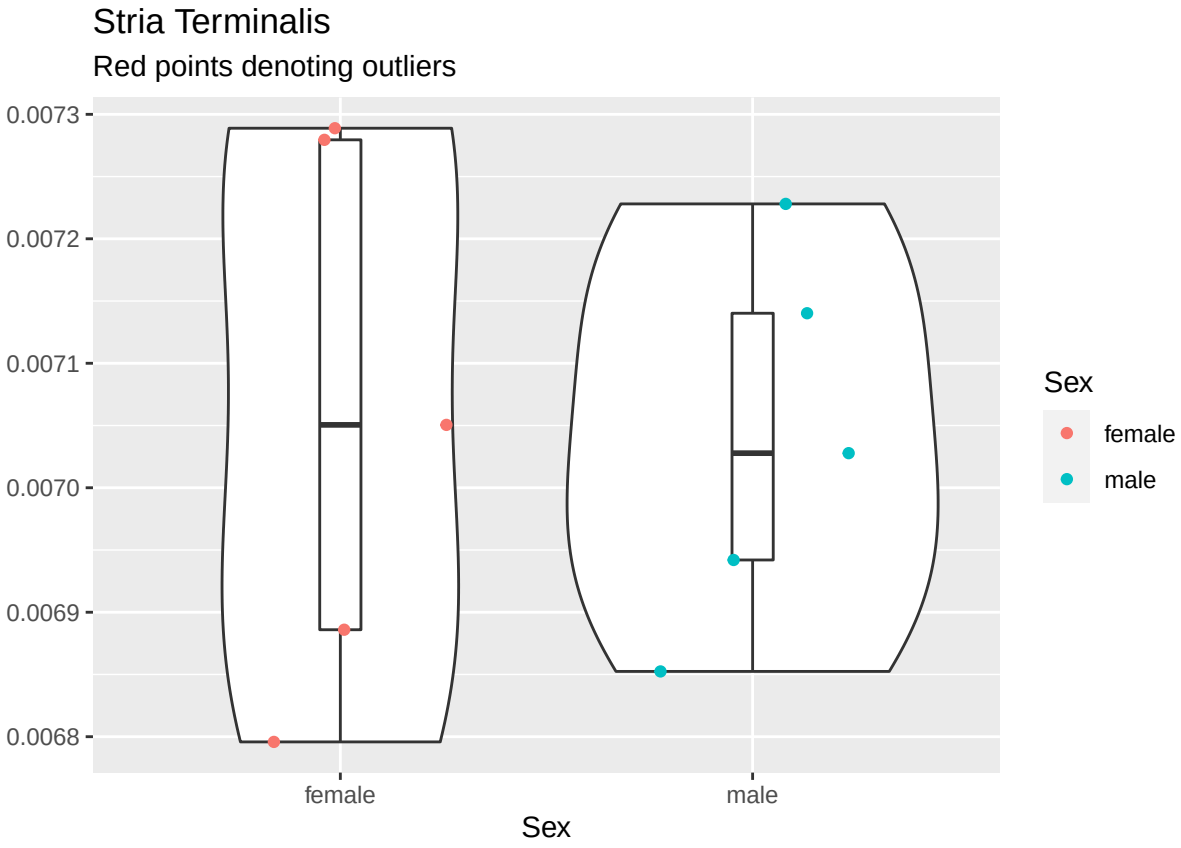

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.160e-09 4.161e-09   0.199  0.668
## Residuals    8 1.675e-07 2.094e-08
```


```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.930e-07 1.930e-07   9.828 0.0139 *
## Residuals    8 1.571e-07 1.964e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

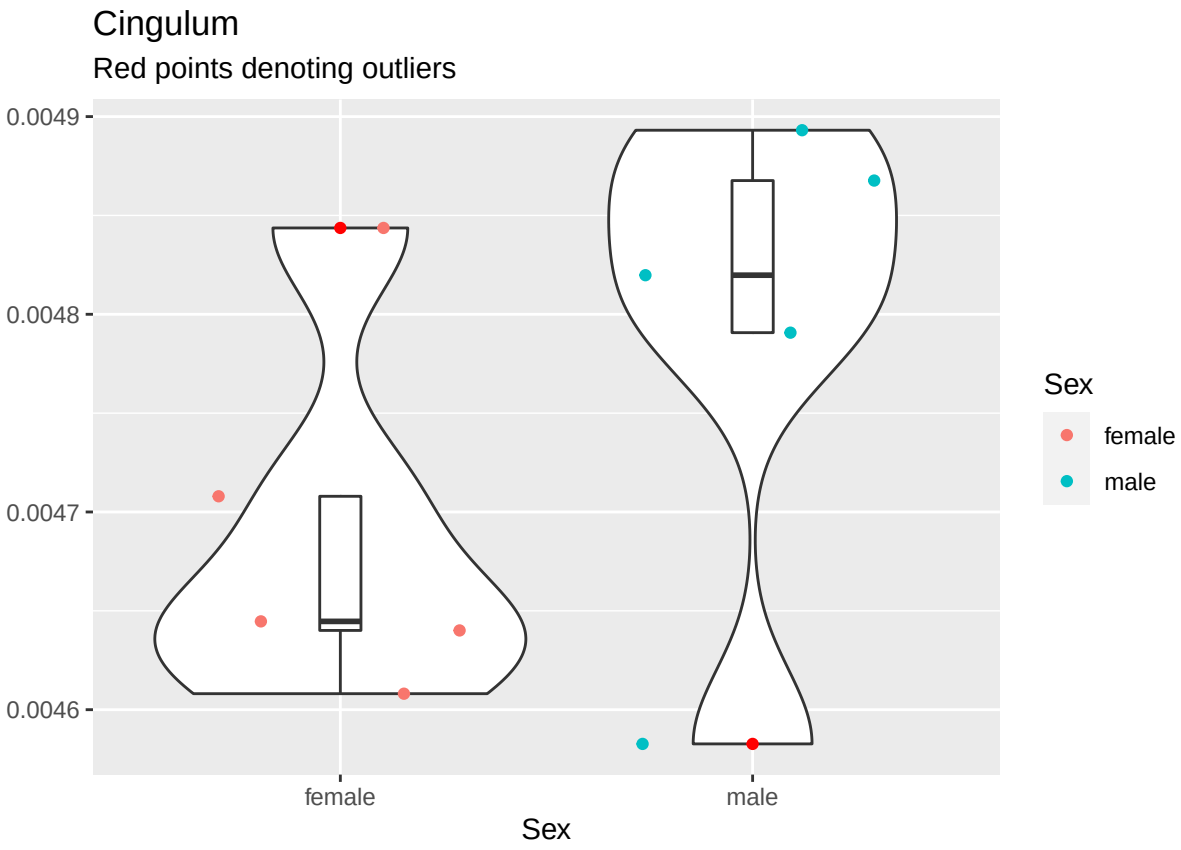



```
##             Df    Sum Sq  Mean Sq F value Pr(>F)
## Sex          1 1.800e-10 1.82e-10   0.008  0.929
## Residuals    8 1.712e-07 2.14e-08
```

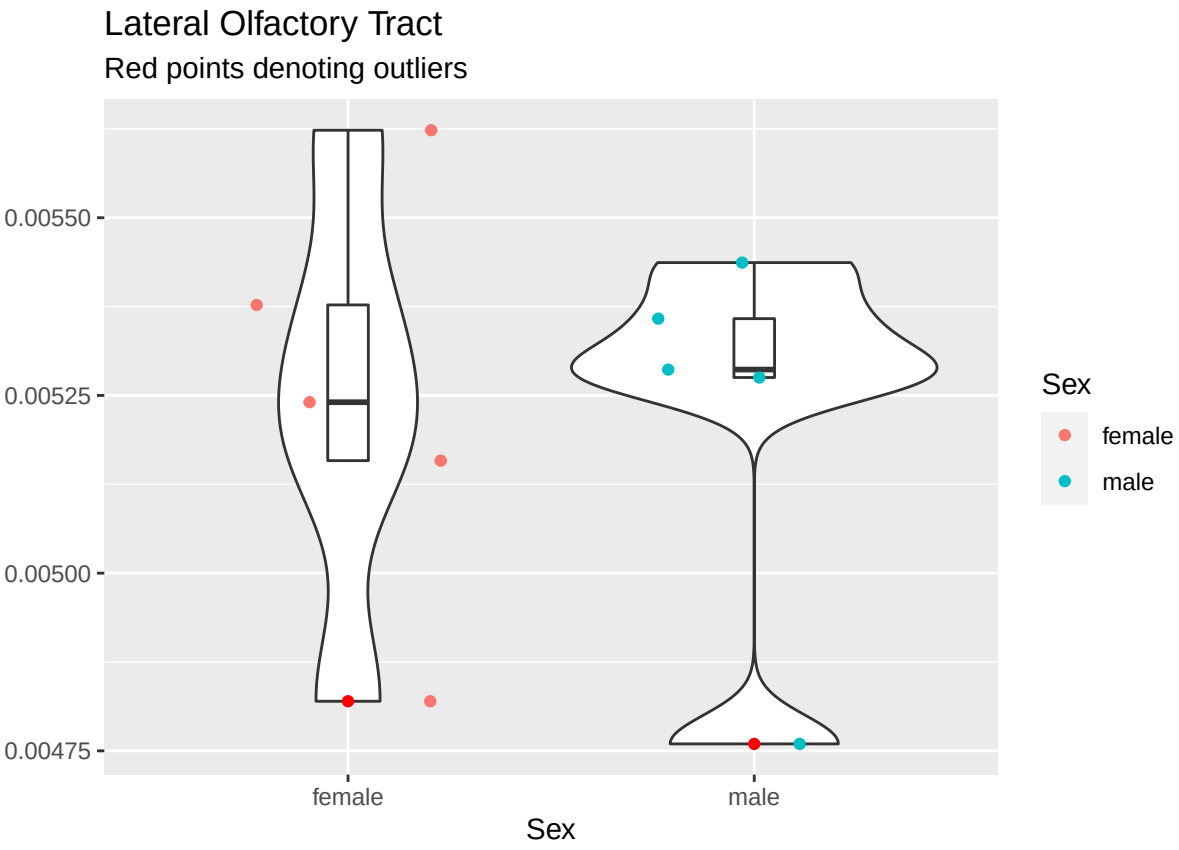

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.210e-08 4.210e-08    1.28  0.291
## Residuals    8 2.631e-07 3.289e-08
```



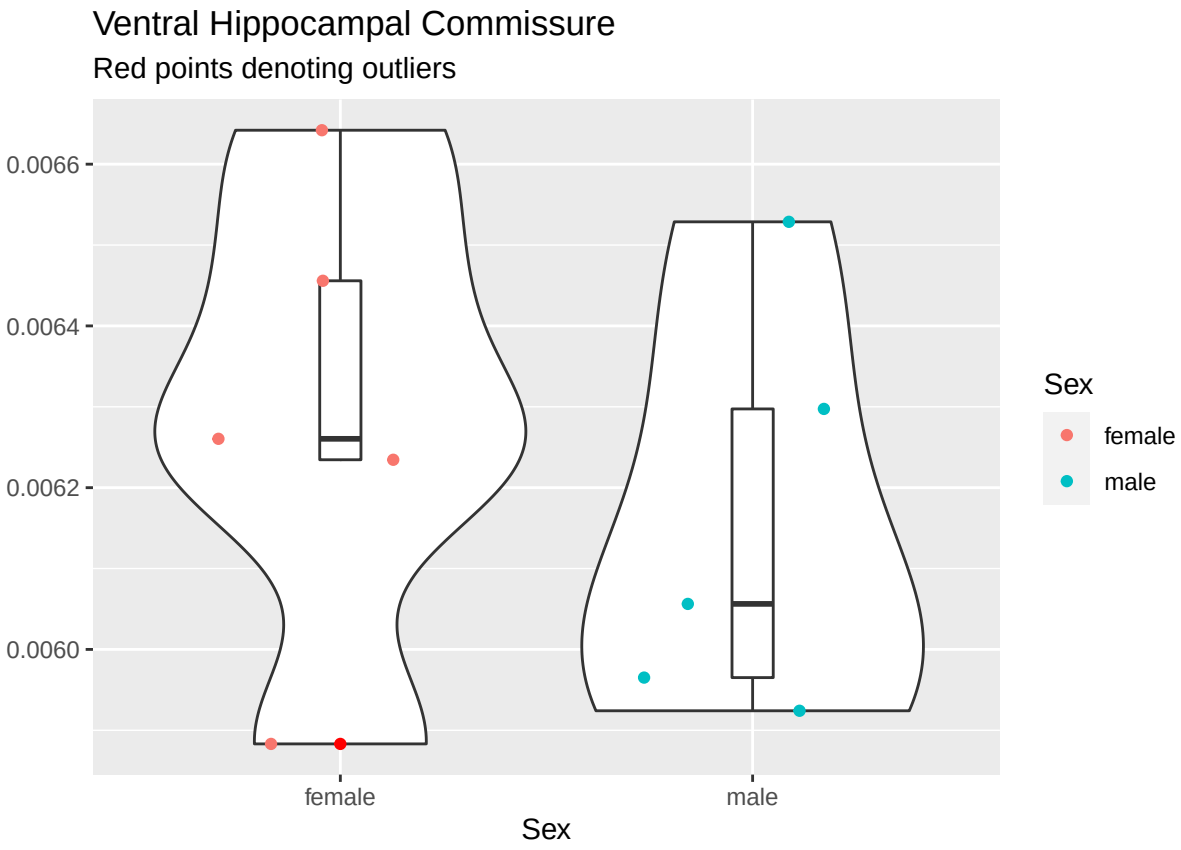

```
##             Df   Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.21e-09 1.210e-09   0.033   0.86
## Residuals    8 2.91e-07 3.638e-08
```



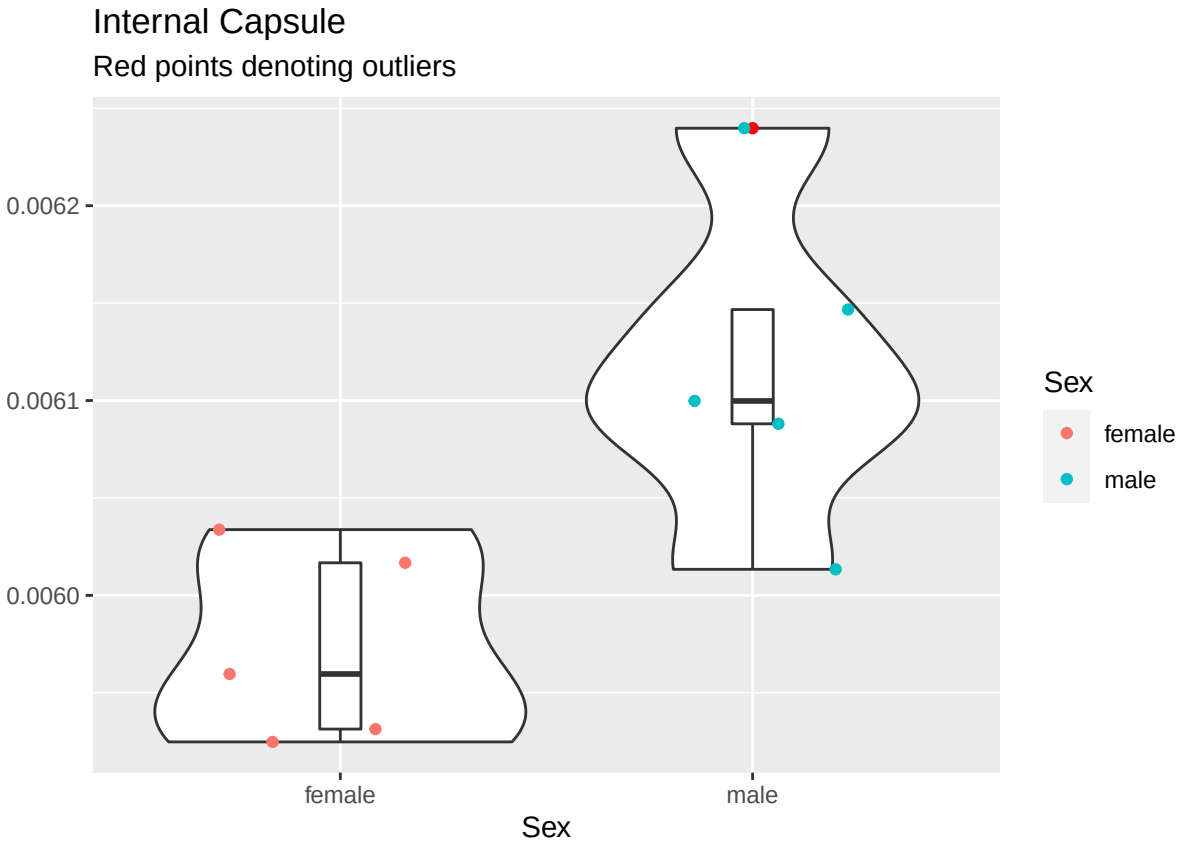

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.596e-08 2.596e-08    2.17  0.179
## Residuals    8 9.571e-08 1.196e-08
```



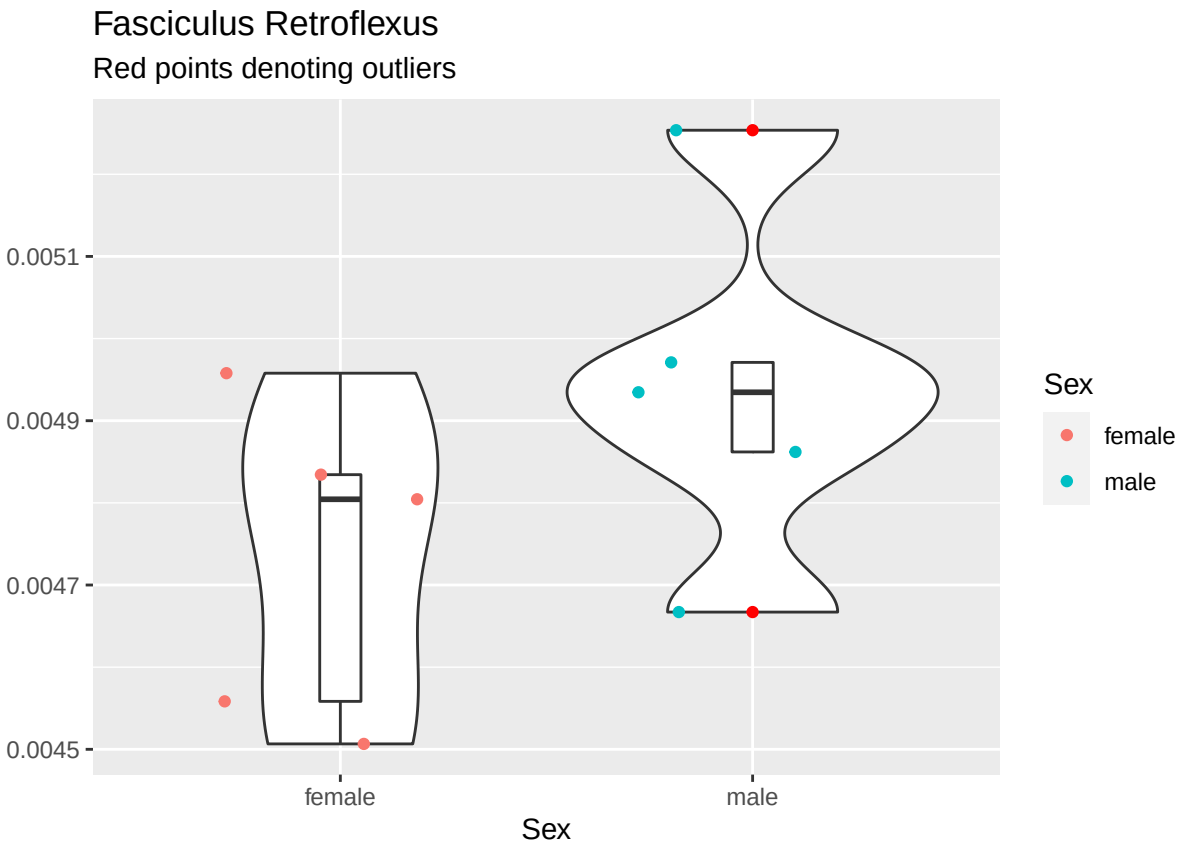

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.100e-09 1.050e-09   0.013  0.911
## Residuals    8 6.341e-07 7.926e-08
```



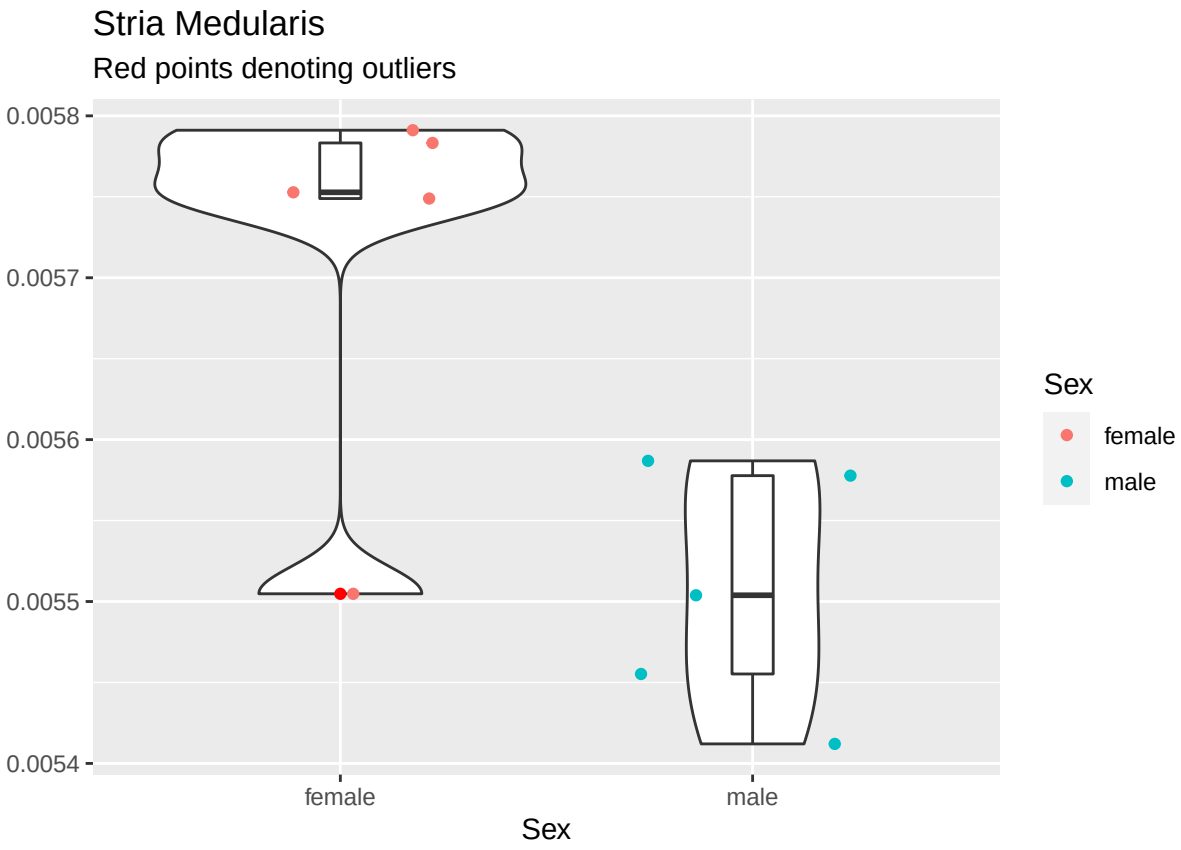

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.960e-08 4.959e-08   0.684  0.432
## Residuals    8 5.798e-07 7.247e-08
```



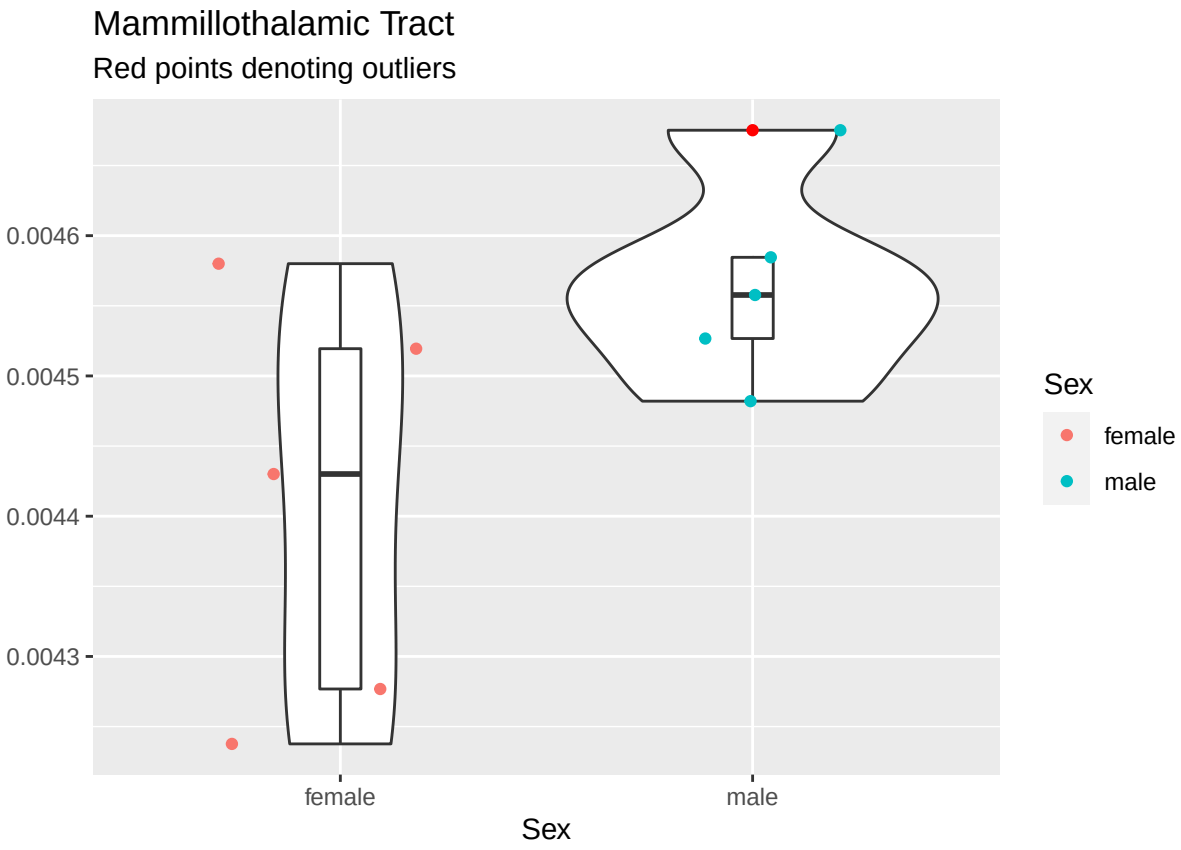

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.205e-08 5.205e-08   11.06 0.0105 *
## Residuals    8 3.766e-08 4.710e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



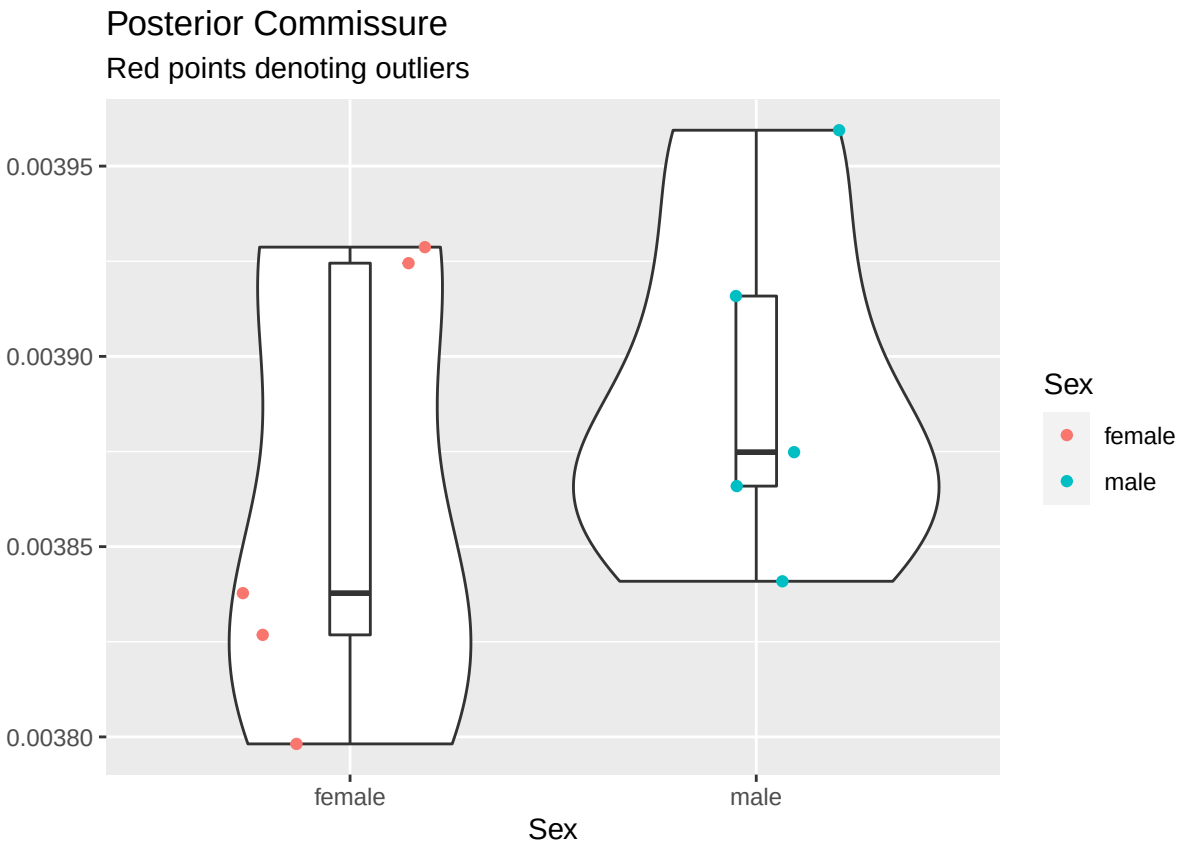

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.054e-07 1.054e-07   2.575  0.147
## Residuals    8 3.276e-07 4.095e-08
```



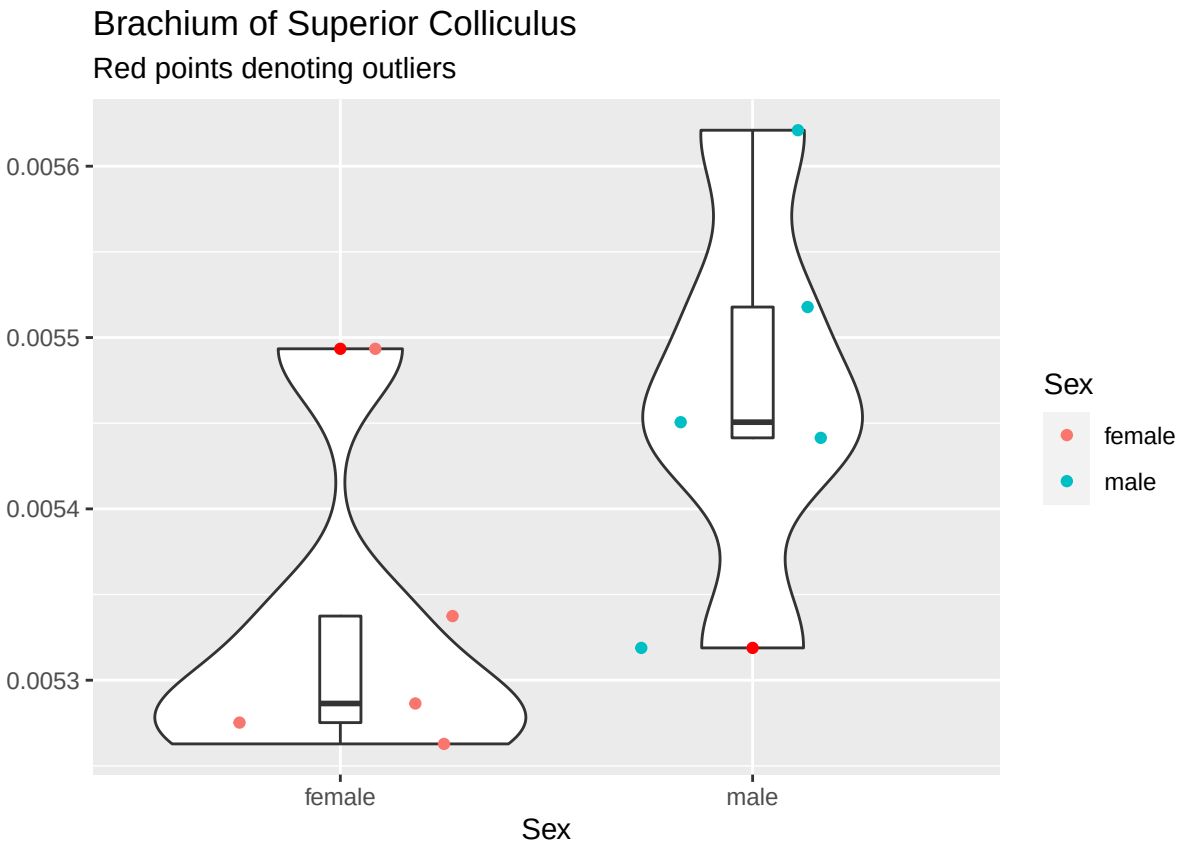

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.092e-07 1.092e-07   10.88 0.0109 *
## Residuals    8 8.031e-08 1.004e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



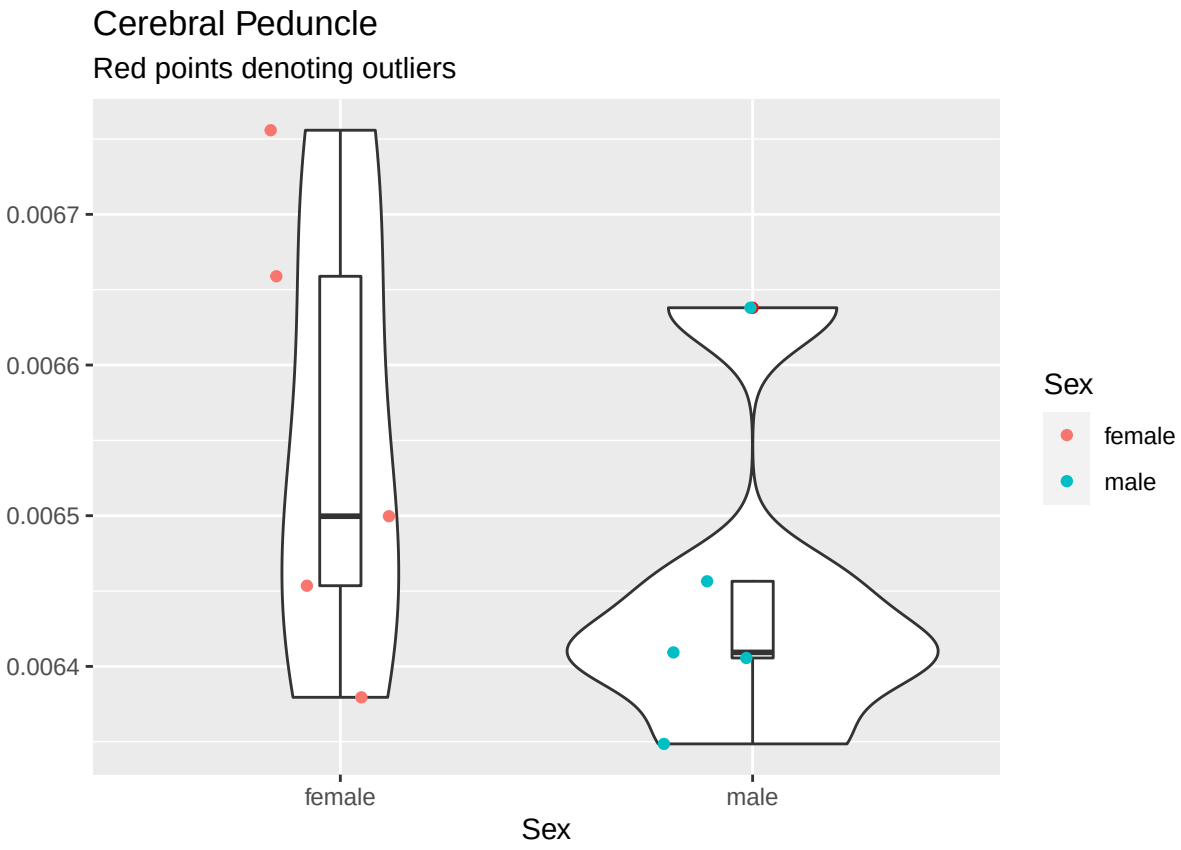

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 6.117e-08 6.117e-08   4.463 0.0676 .
## Residuals    8 1.097e-07 1.371e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



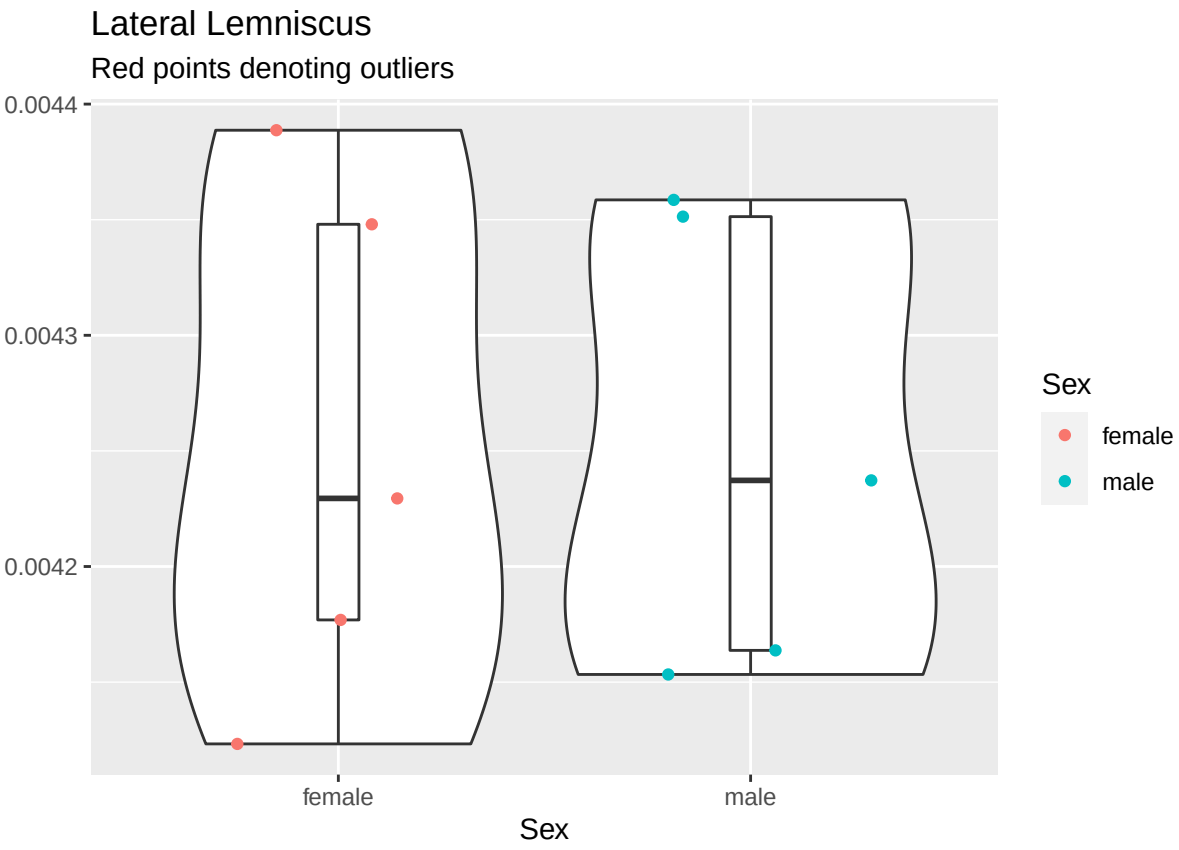

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.987e-09 1.987e-09   0.693  0.429
## Residuals    8 2.295e-08 2.869e-09
```



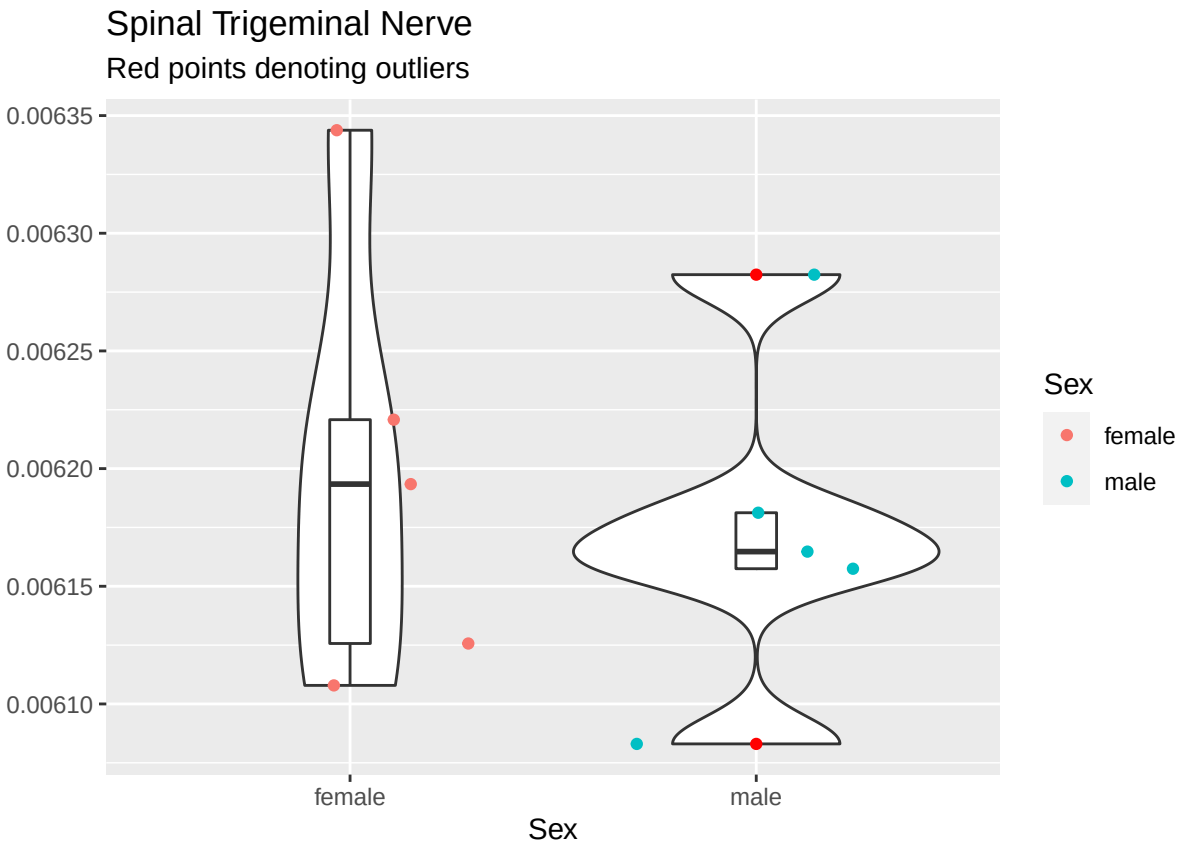

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.821e-08 4.821e-08   4.522 0.0661 .
## Residuals    8 8.528e-08 1.066e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



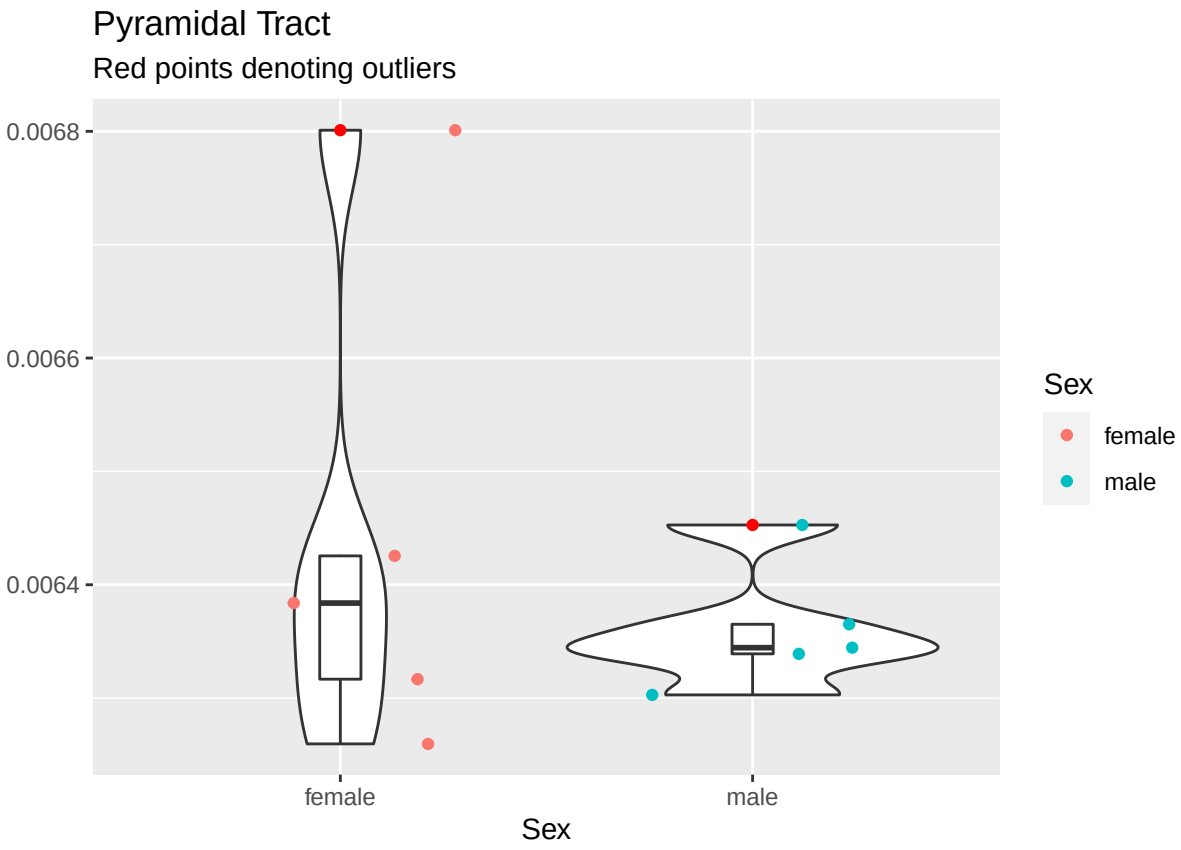

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.396e-08 2.396e-08   1.327  0.283
## Residuals    8 1.444e-07 1.805e-08
```



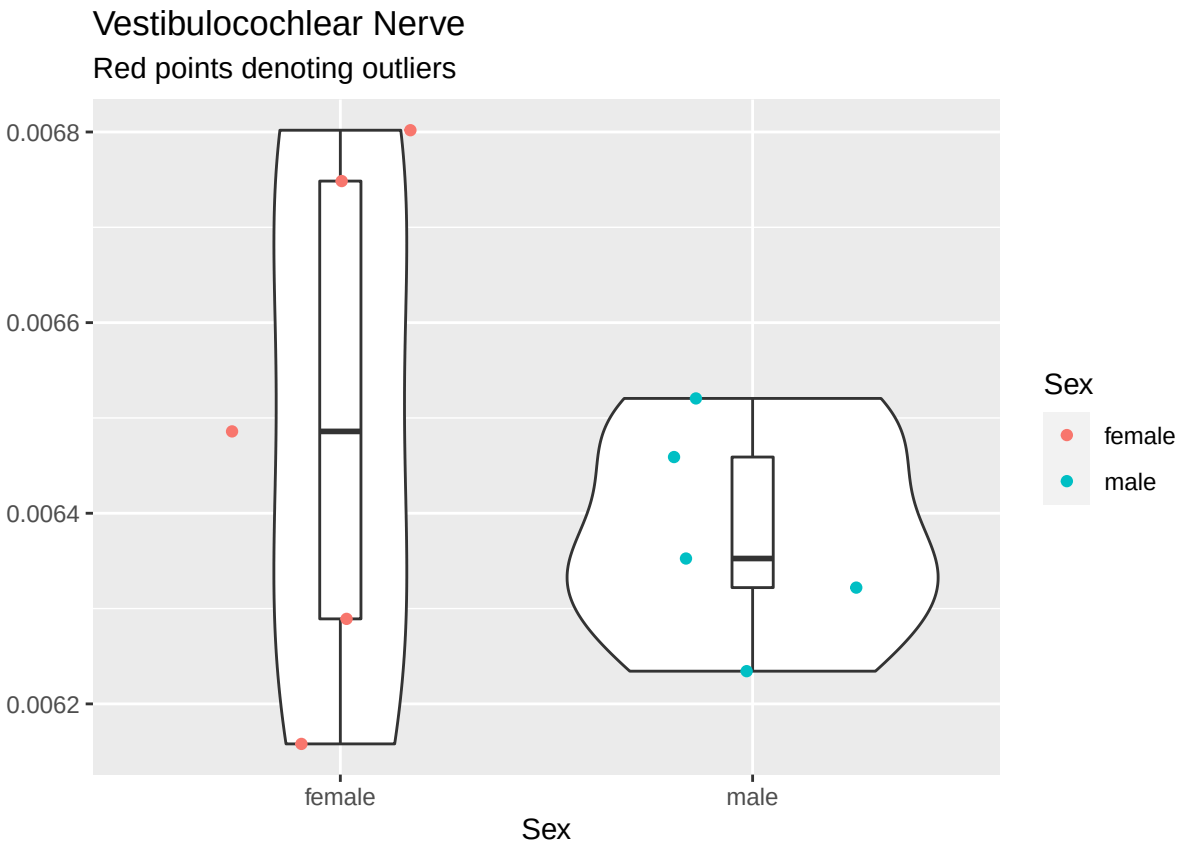

```
##              Df    Sum Sq  Mean Sq F value Pr(>F)
## Sex           1 0.000e+00 0.00e+00       0  0.995
## Residuals     8 8.958e-08 1.12e-08
```



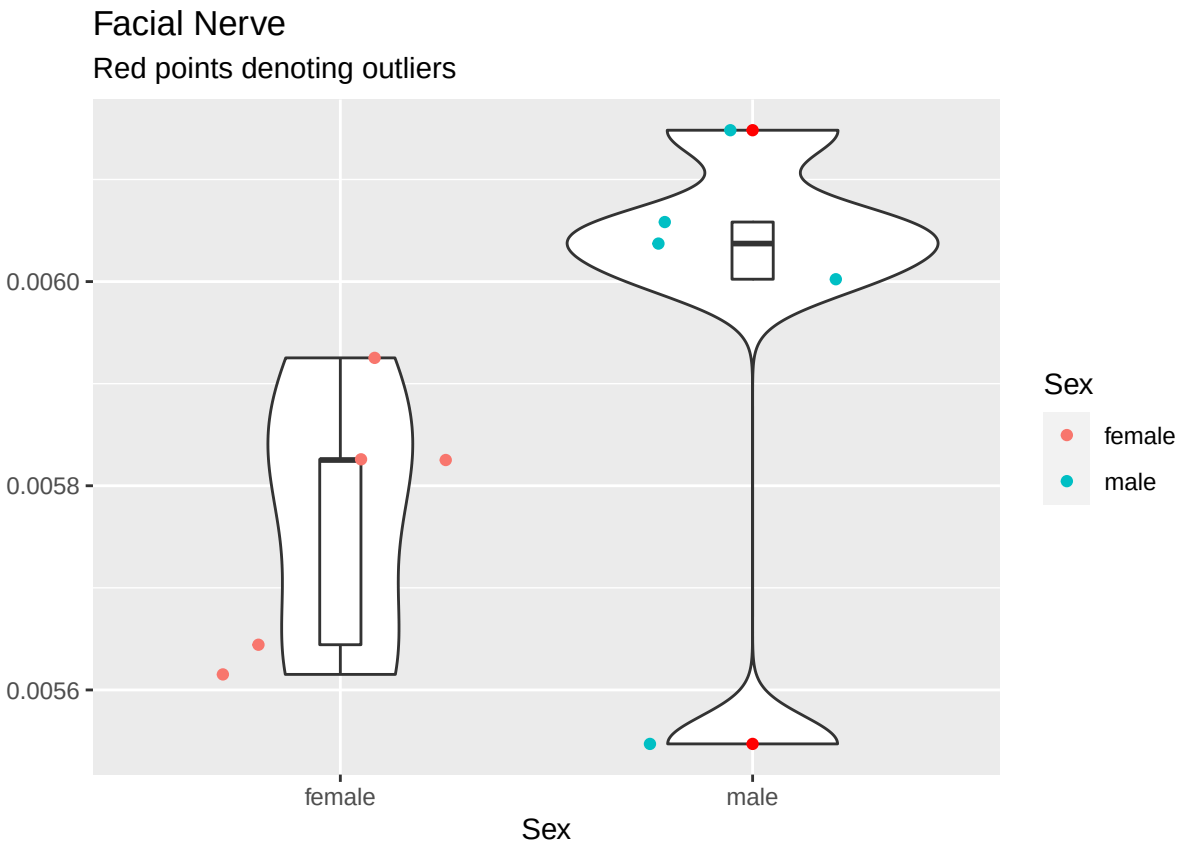

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.500e-09 1.505e-09   0.217  0.654
## Residuals    8 5.558e-08 6.948e-09
```



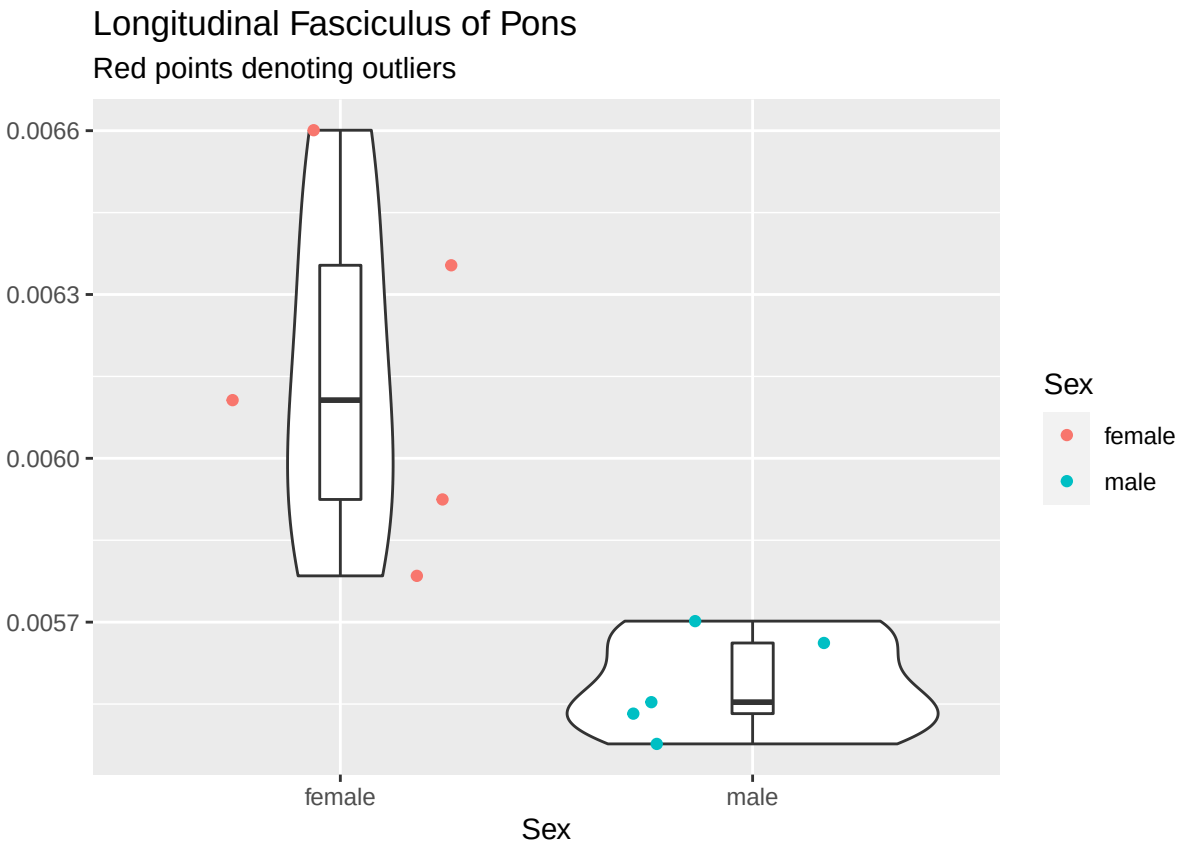

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.462e-08 1.462e-08   0.603   0.46
## Residuals    8 1.940e-07 2.424e-08
```



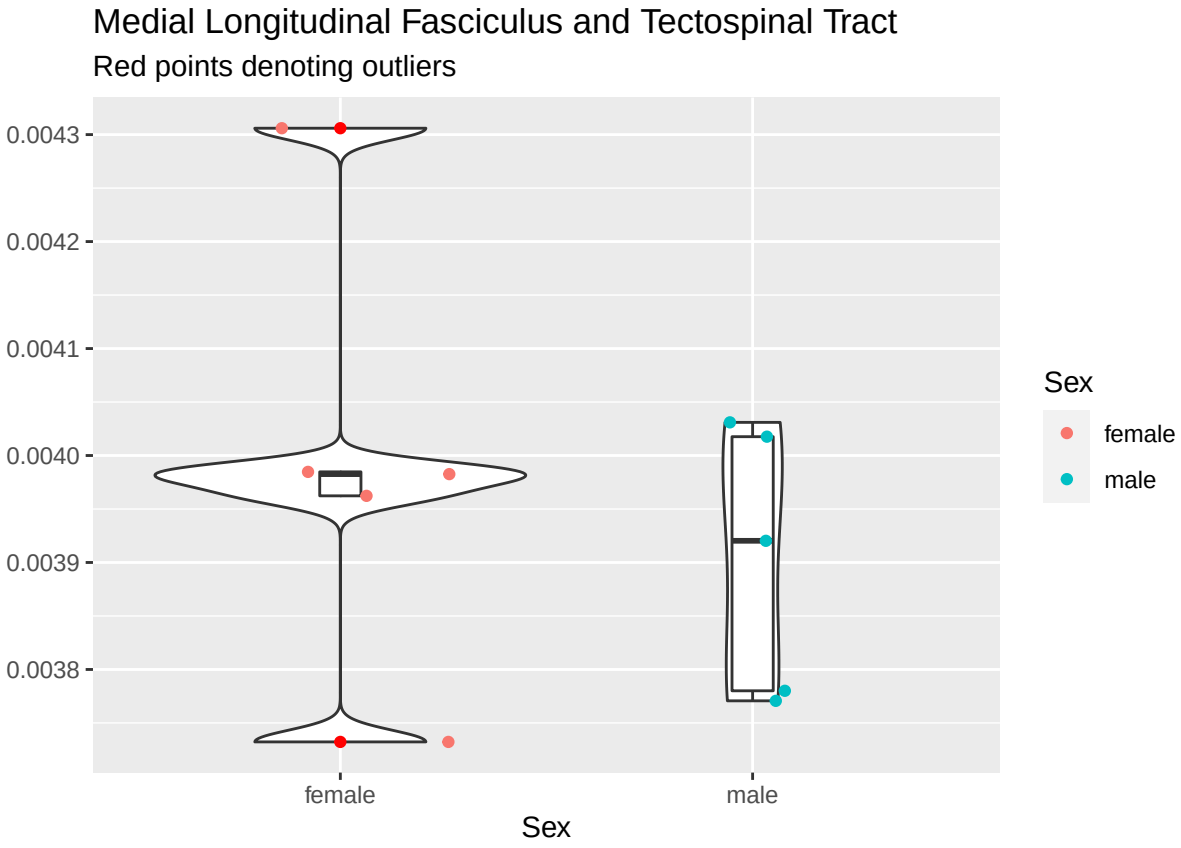

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.540e-08 3.542e-08   0.775  0.404
## Residuals    8 3.657e-07 4.571e-08
```



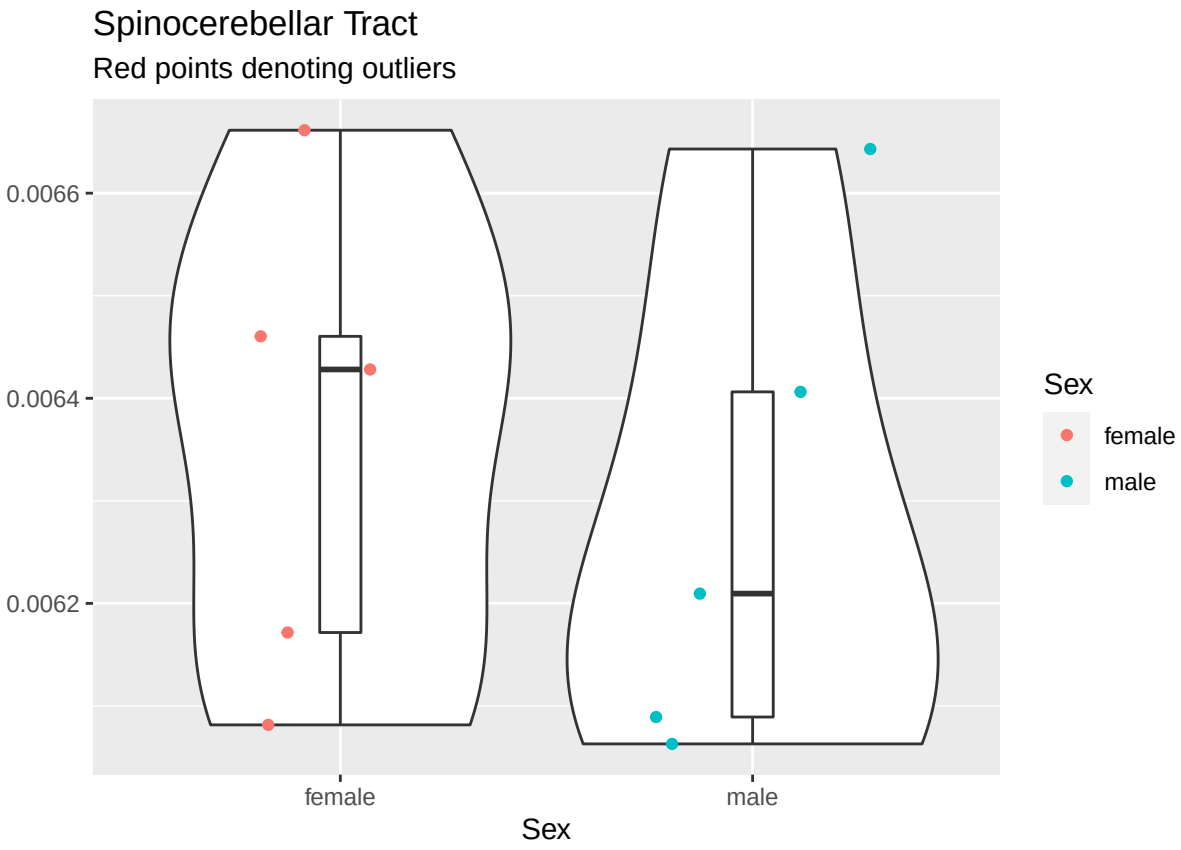

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 9.166e-08 9.166e-08     2.5  0.153
## Residuals    8 2.933e-07 3.666e-08
```



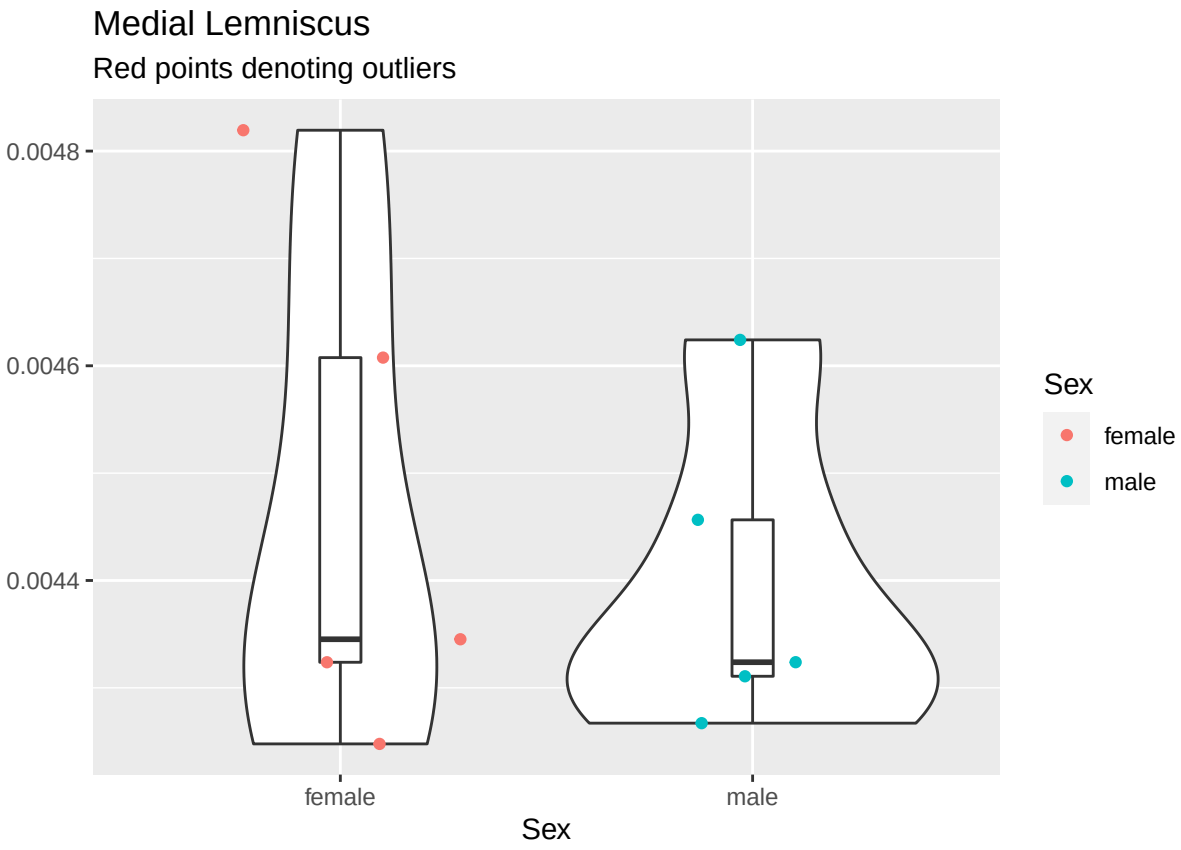

```
##             Df    Sum Sq   Mean Sq F value  Pr(>F)
## Sex          1 8.087e-07 8.087e-07   13.89 0.00581 **
## Residuals    8 4.656e-07 5.820e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



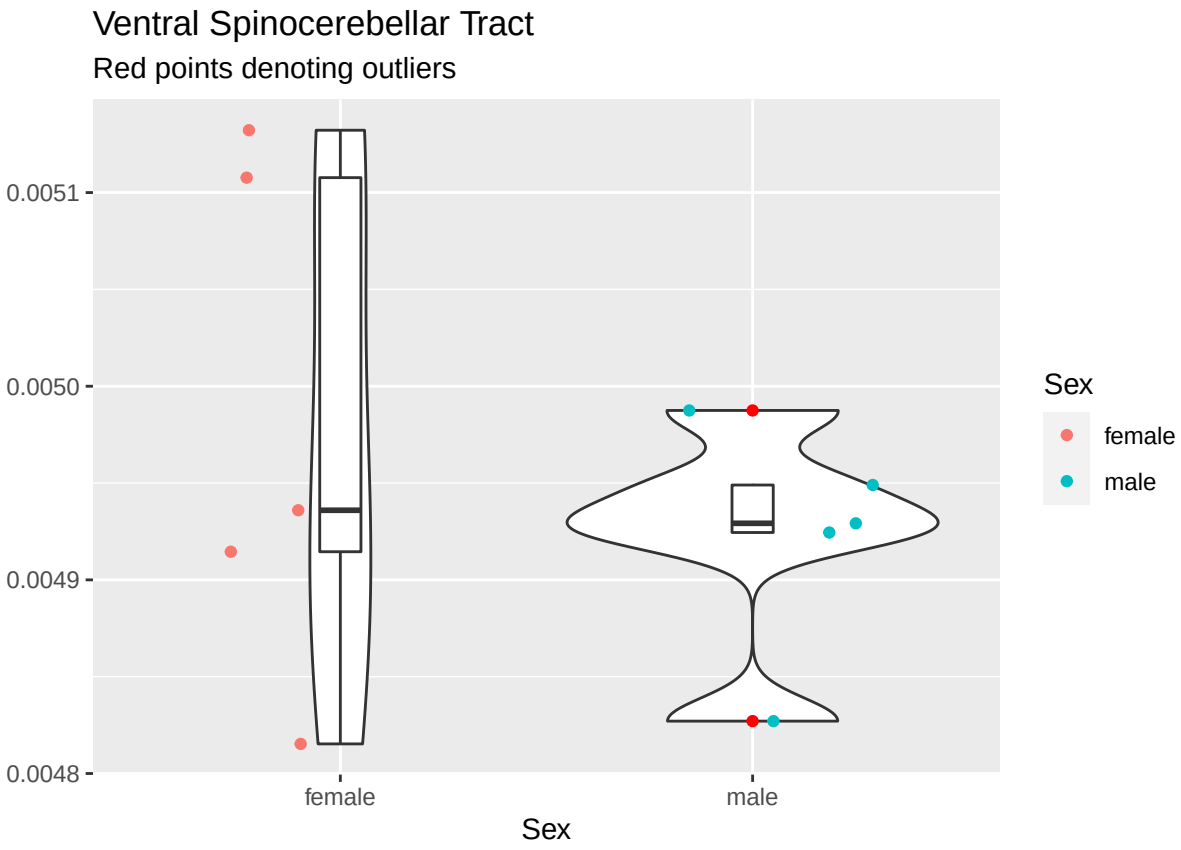

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 2.009e-08 2.009e-08   0.701  0.427
## Residuals     8 2.295e-07 2.868e-08
```



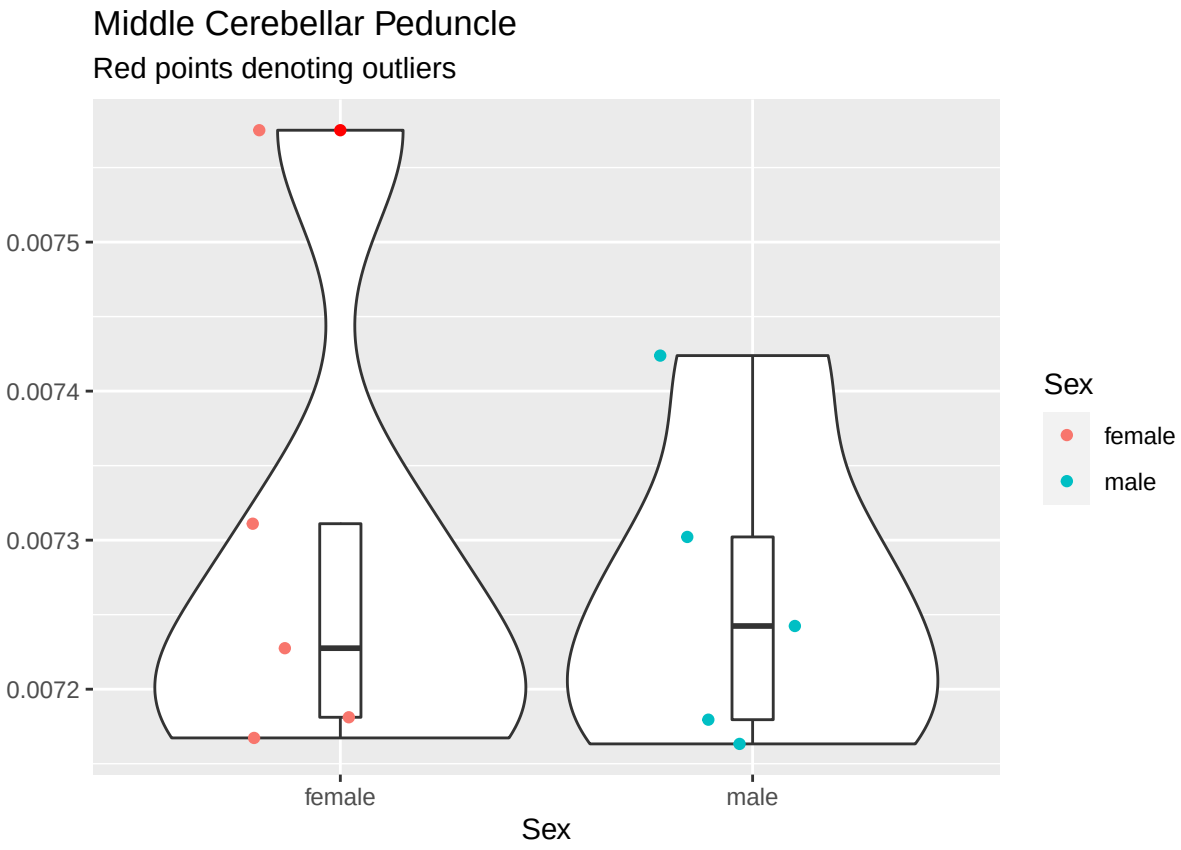

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.540e-08 1.537e-08    0.27  0.617
## Residuals    8 4.547e-07 5.684e-08
```



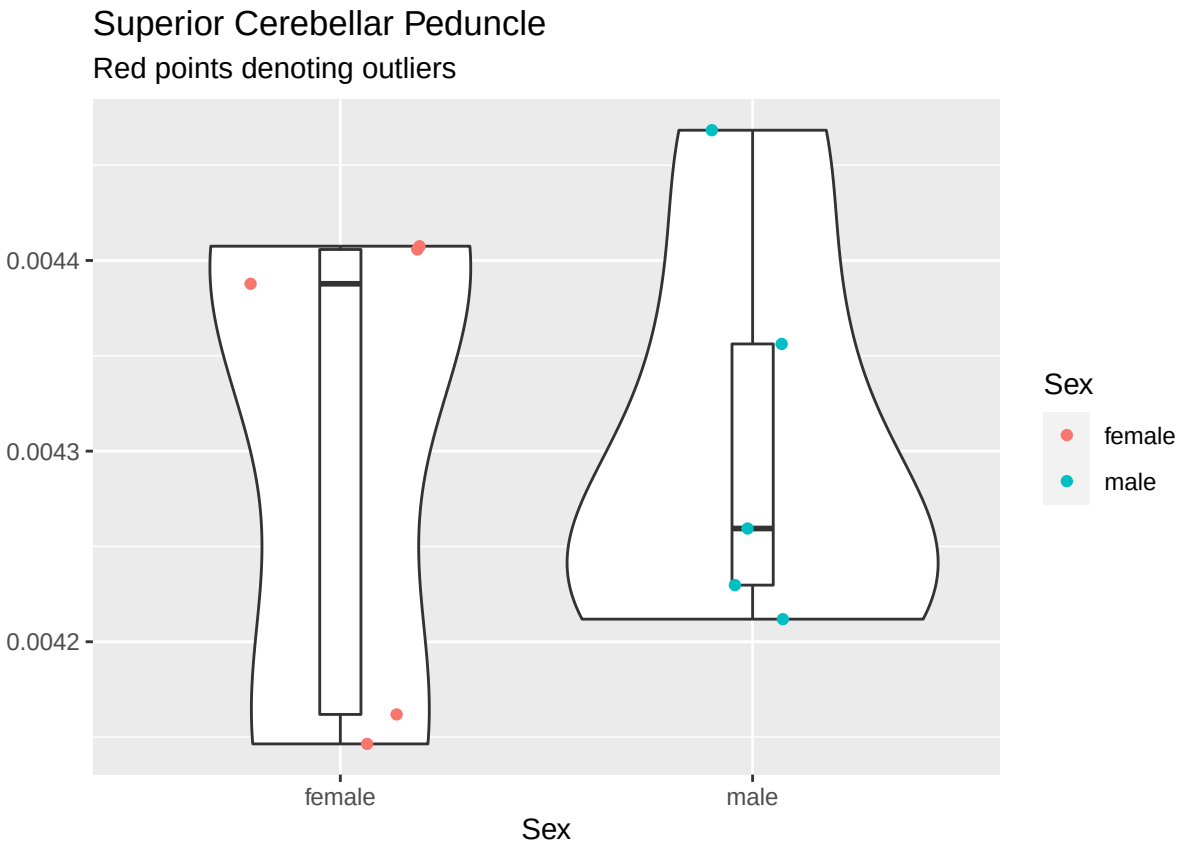

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.307e-08 1.307e-08   0.335  0.579
## Residuals    8 3.121e-07 3.902e-08
```



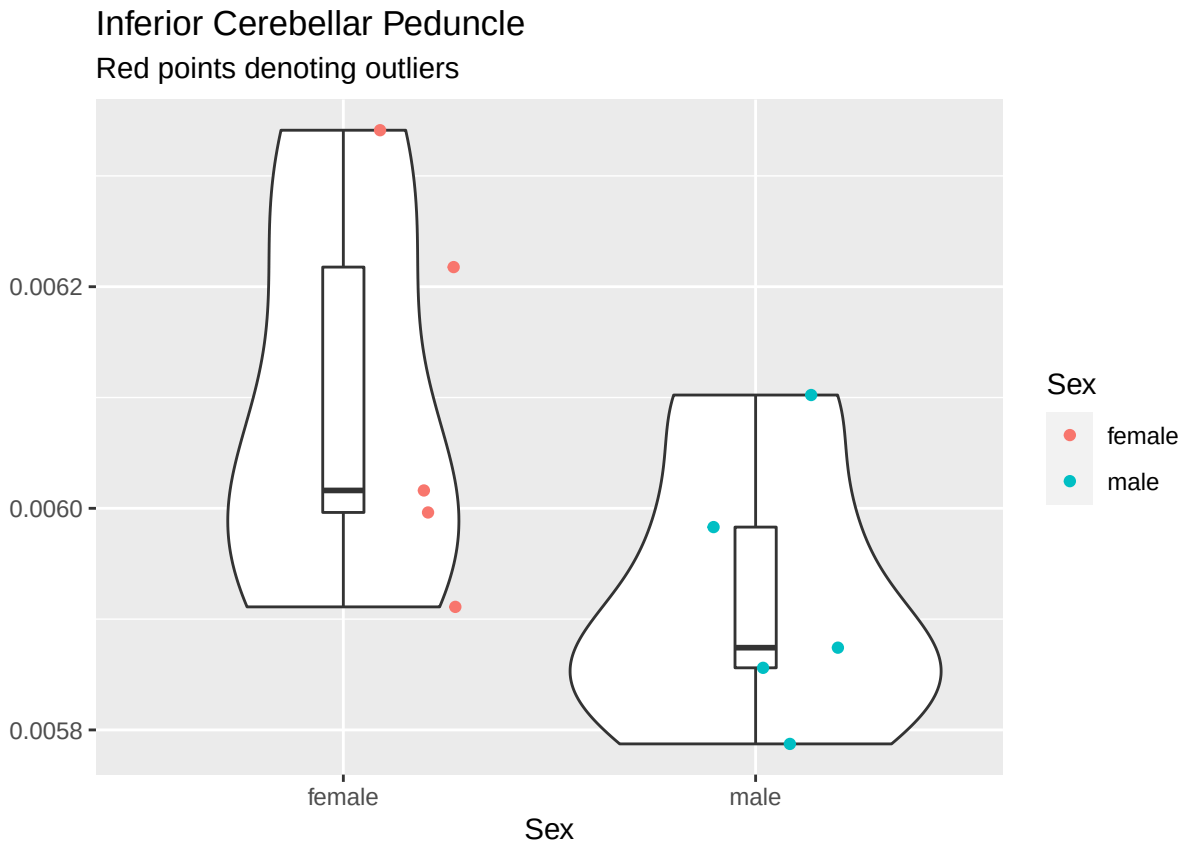

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 8.320e-09 8.322e-09   0.766  0.407
## Residuals     8 8.691e-08 1.086e-08
```




```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.270e-09 2.274e-09   0.116  0.742
## Residuals    8 1.572e-07 1.965e-08
```

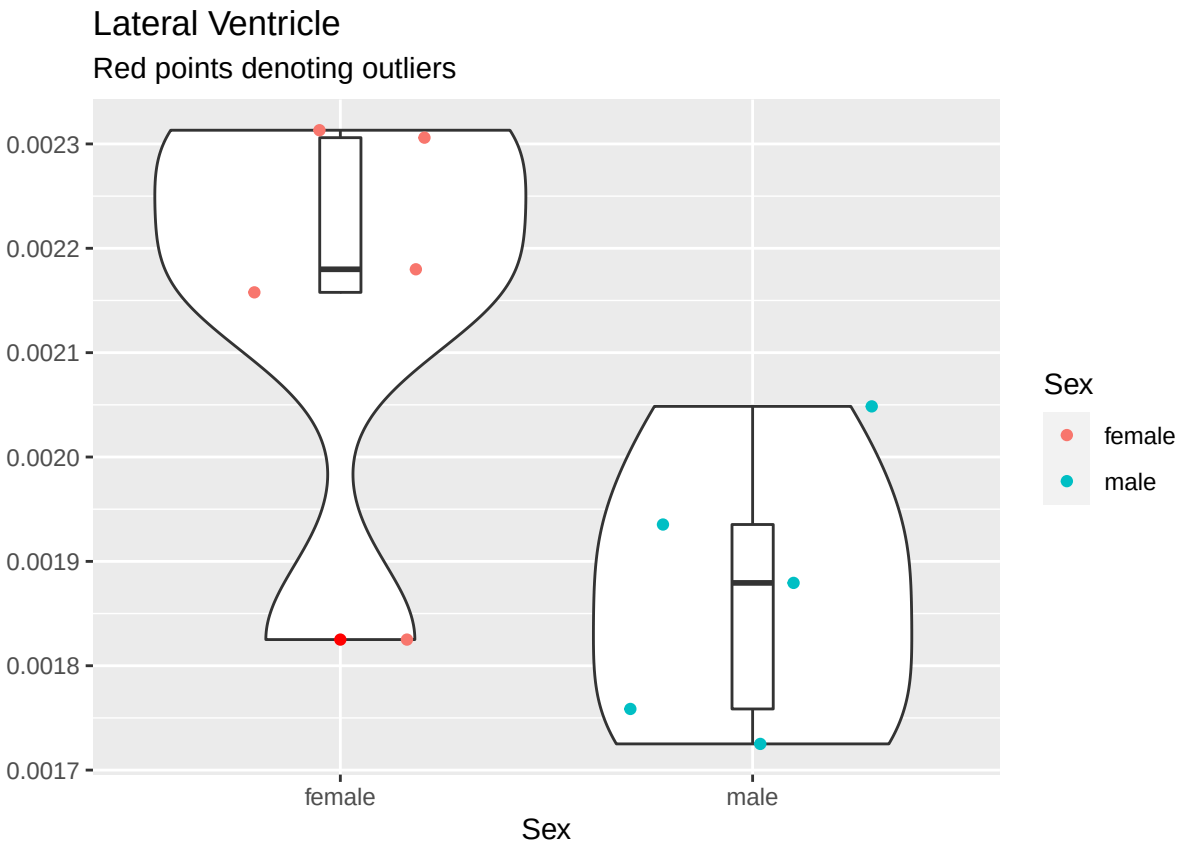



```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.000e-11 2.600e-11   0.002  0.967
## Residuals    8 1.188e-07 1.485e-08
```

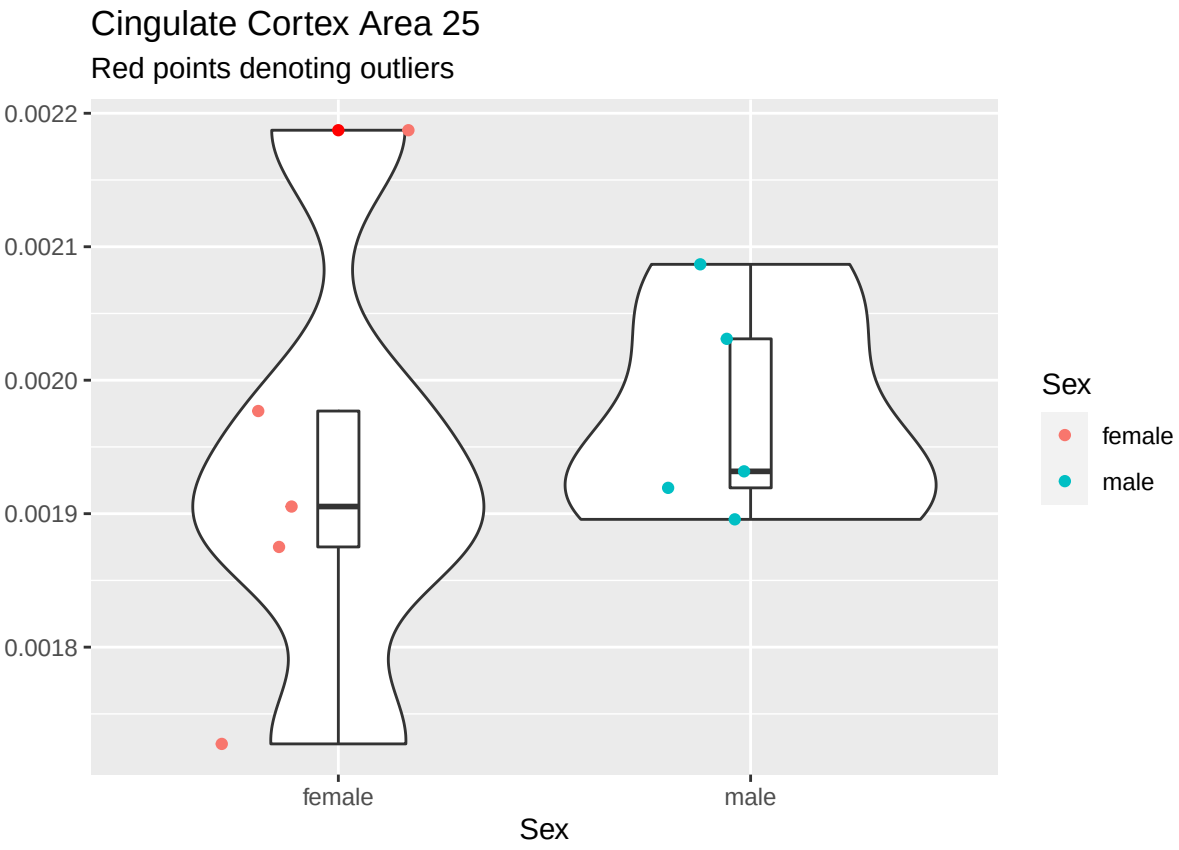



```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 7.734e-08 7.734e-08   3.318  0.106
## Residuals    8 1.865e-07 2.331e-08
```

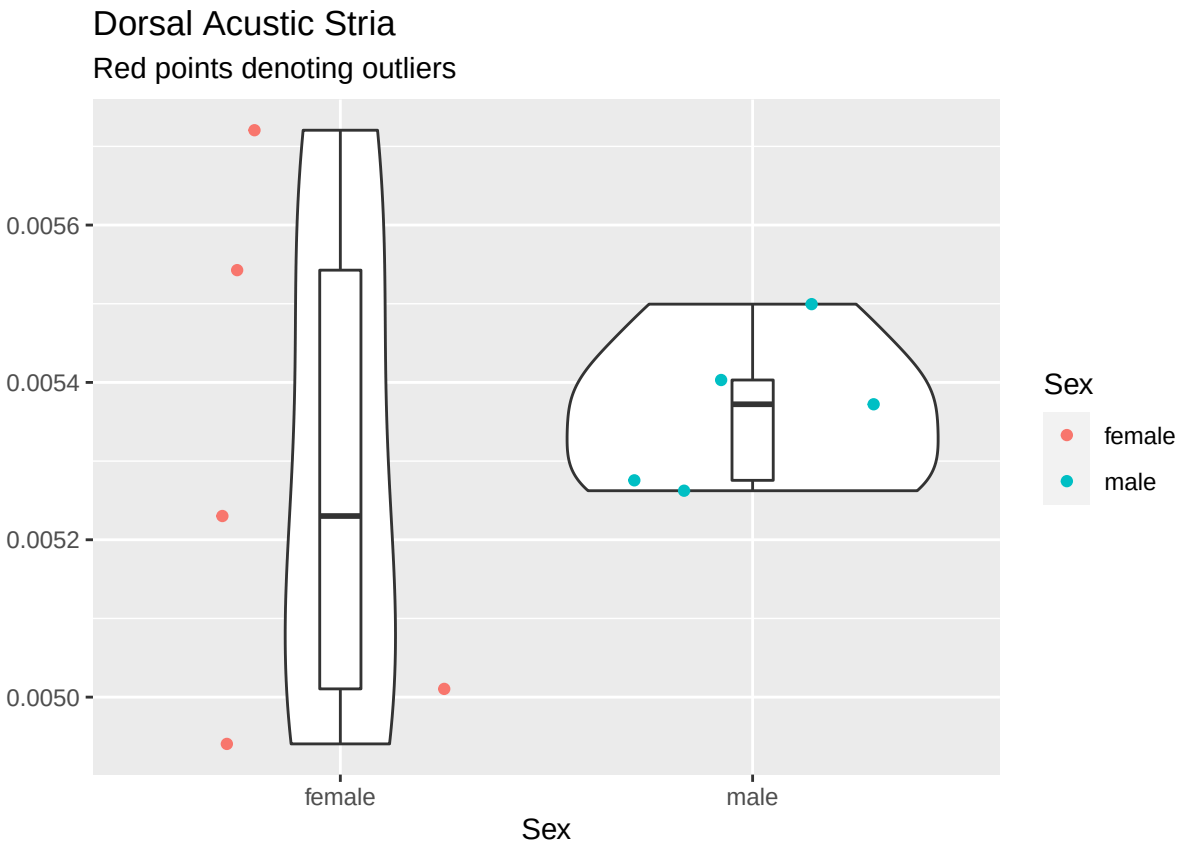

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.271e-09 1.271e-09   0.566  0.473
## Residuals    8 1.796e-08 2.245e-09
```



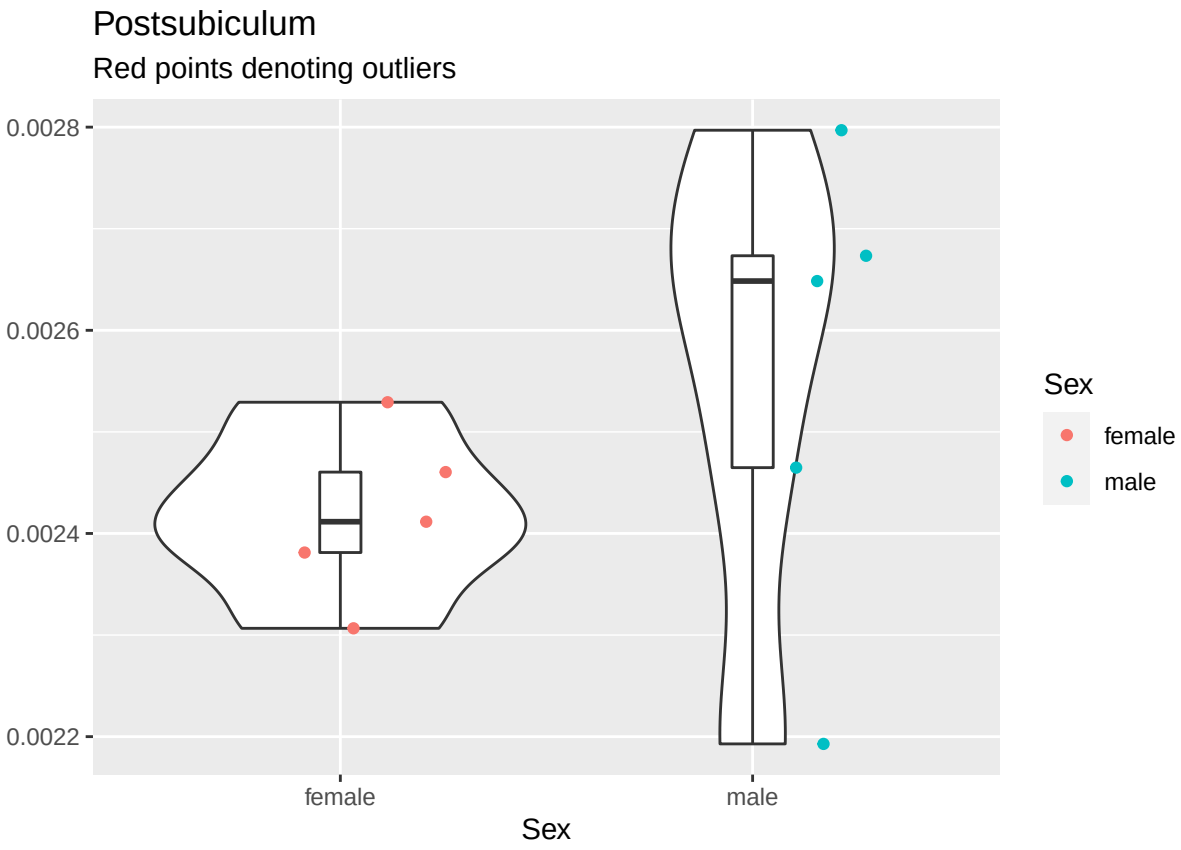

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.059e-07 2.059e-07   7.259 0.0273 *
## Residuals    8 2.269e-07 2.837e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



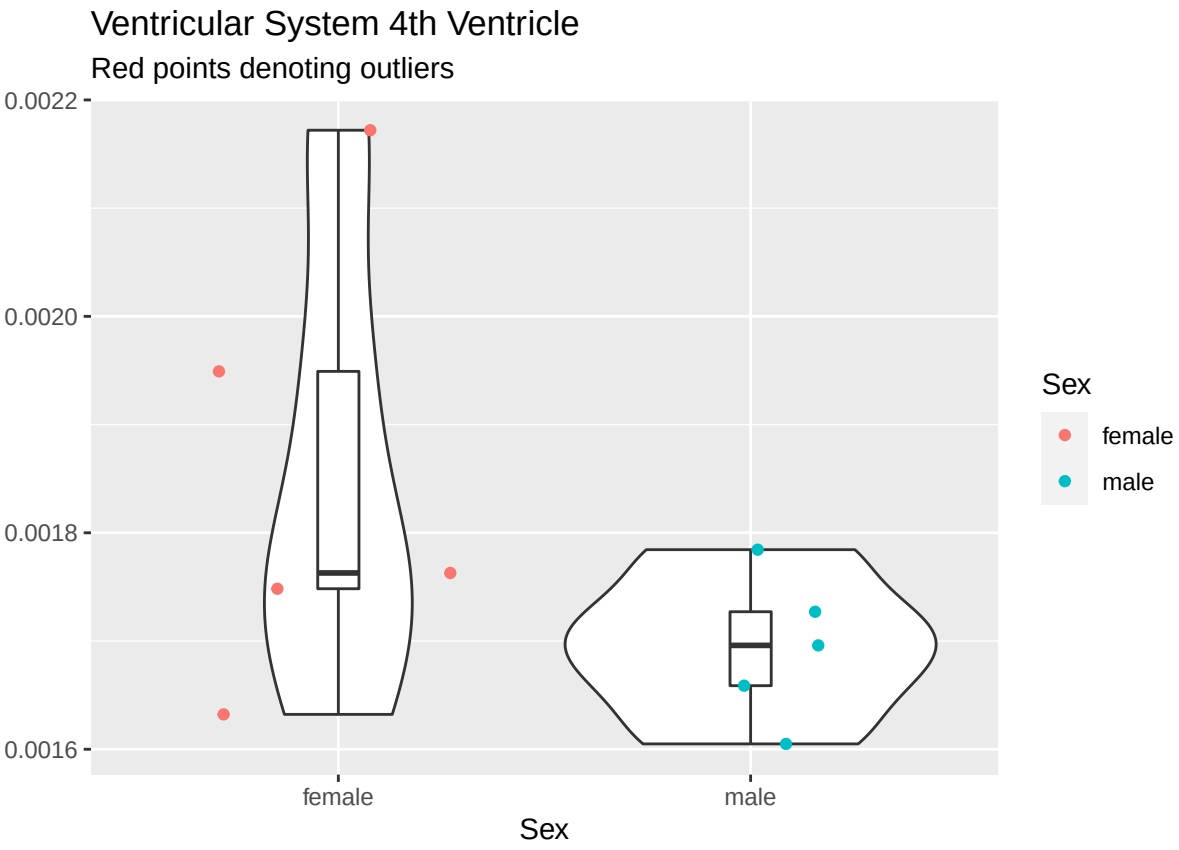

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.700e-09 3.704e-09   0.212  0.657
## Residuals    8 1.398e-07 1.747e-08
```



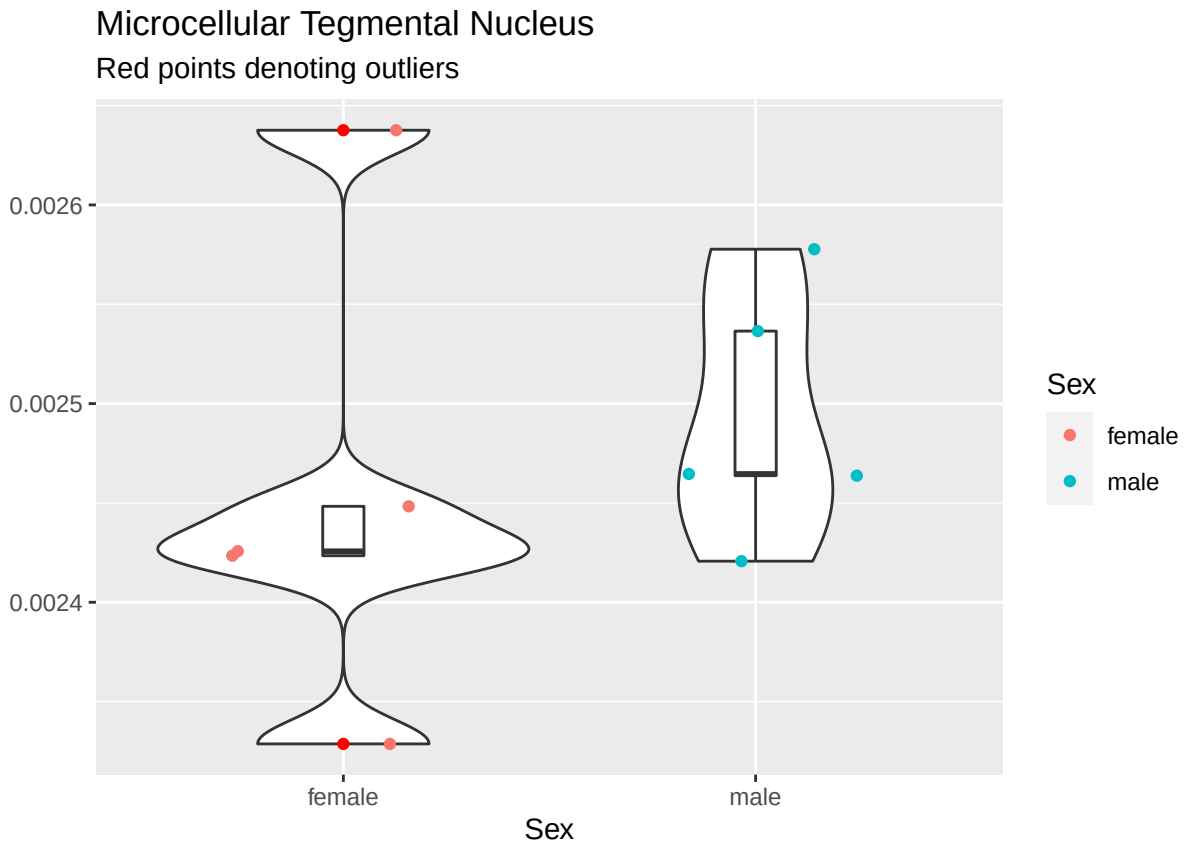

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.360e-08 1.356e-08   0.221  0.651
## Residuals    8 4.912e-07 6.140e-08
```



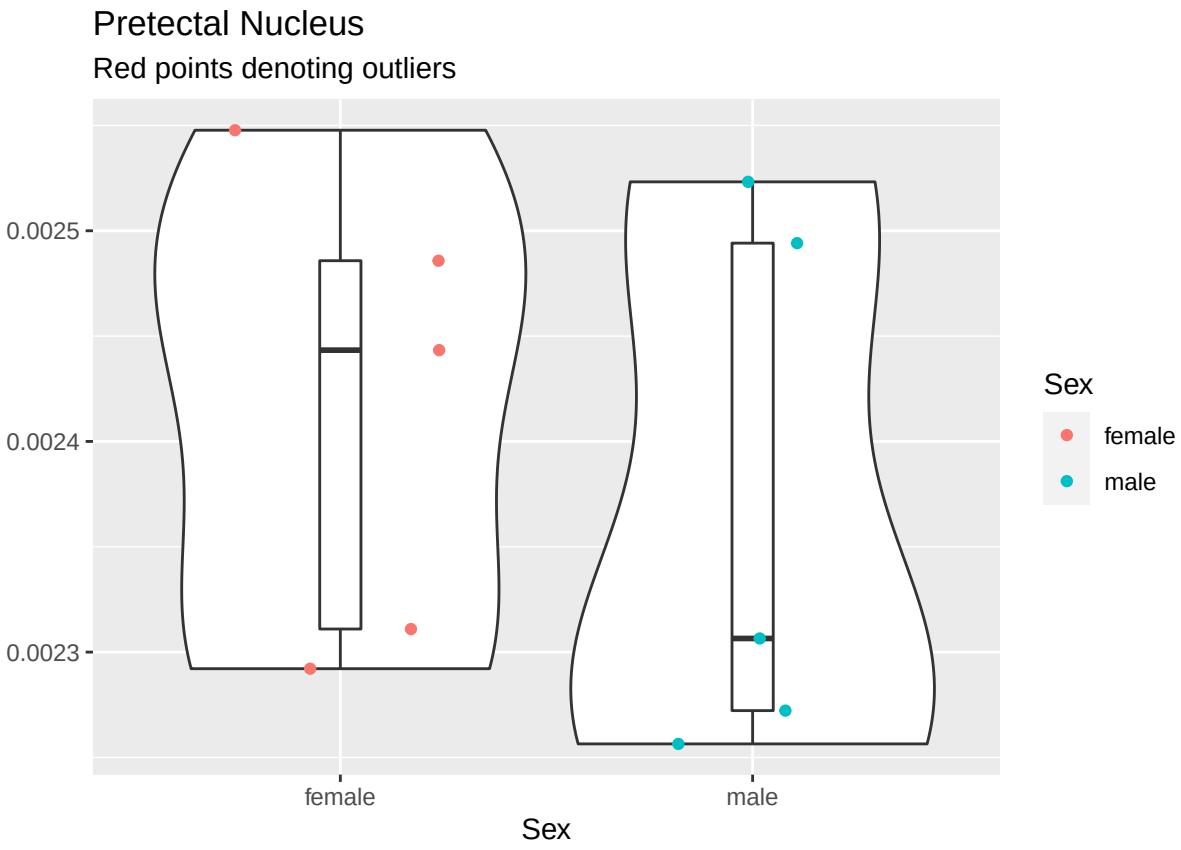

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.726e-08 4.726e-08   1.521  0.252
## Residuals    8 2.485e-07 3.107e-08
```



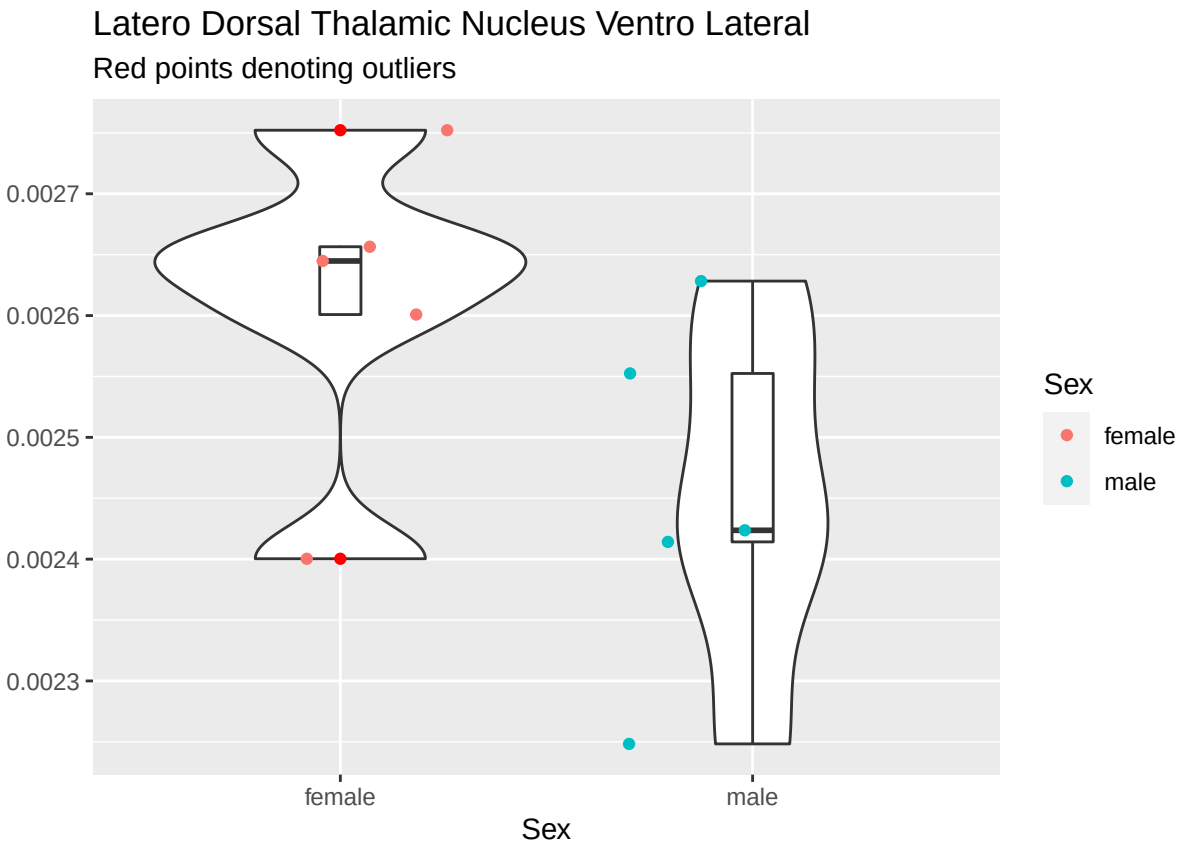

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 6.297e-08 6.297e-08   2.553  0.149
## Residuals     8 1.973e-07 2.466e-08
```



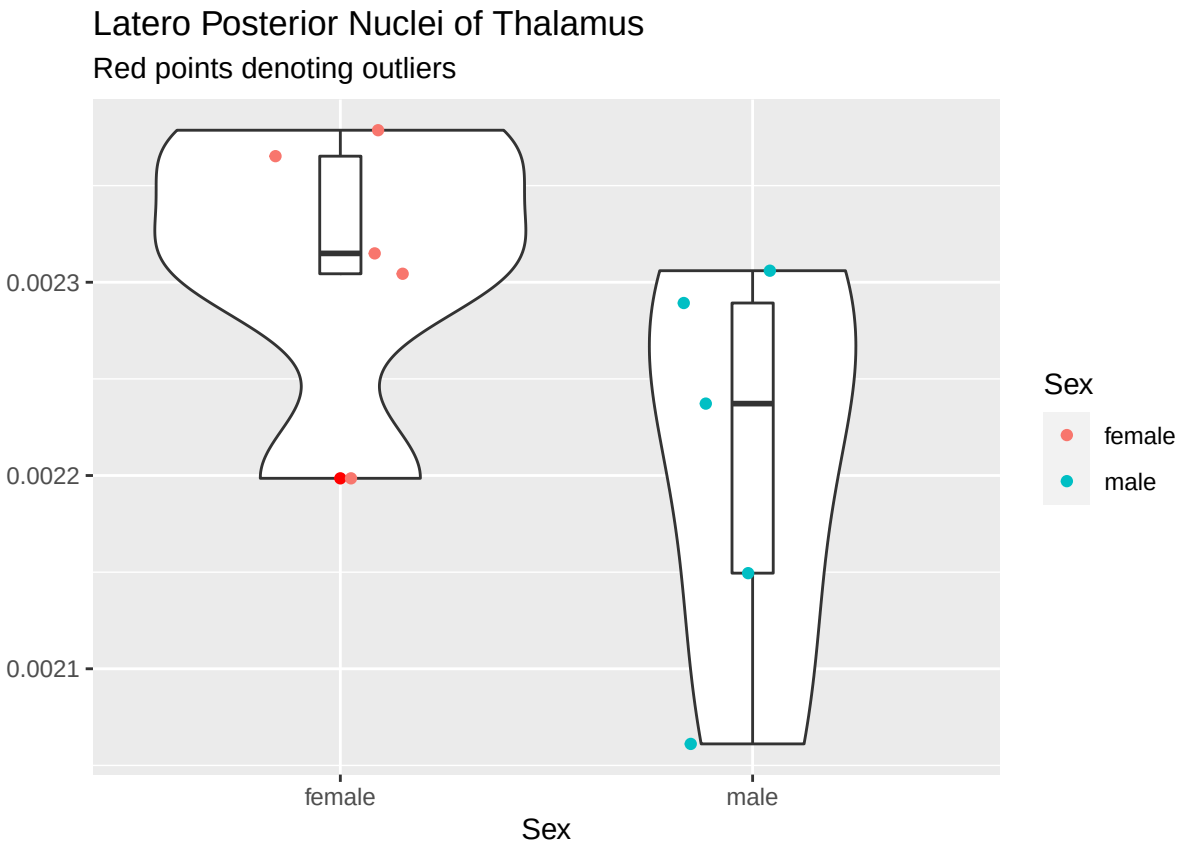

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.980e-09 3.980e-09   0.474   0.51
## Residuals    8 6.713e-08 8.392e-09
```



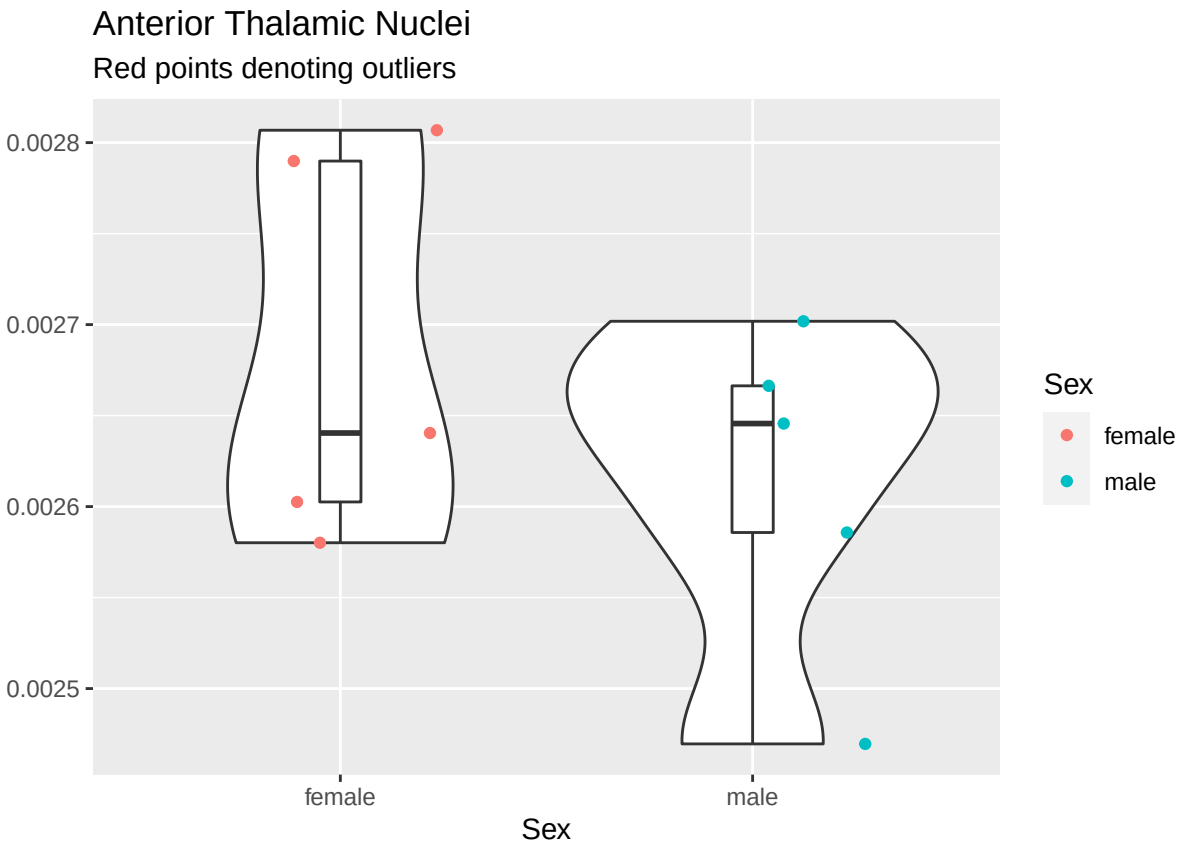

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.170e-09 5.173e-09   0.361  0.565
## Residuals    8 1.147e-07 1.434e-08
```



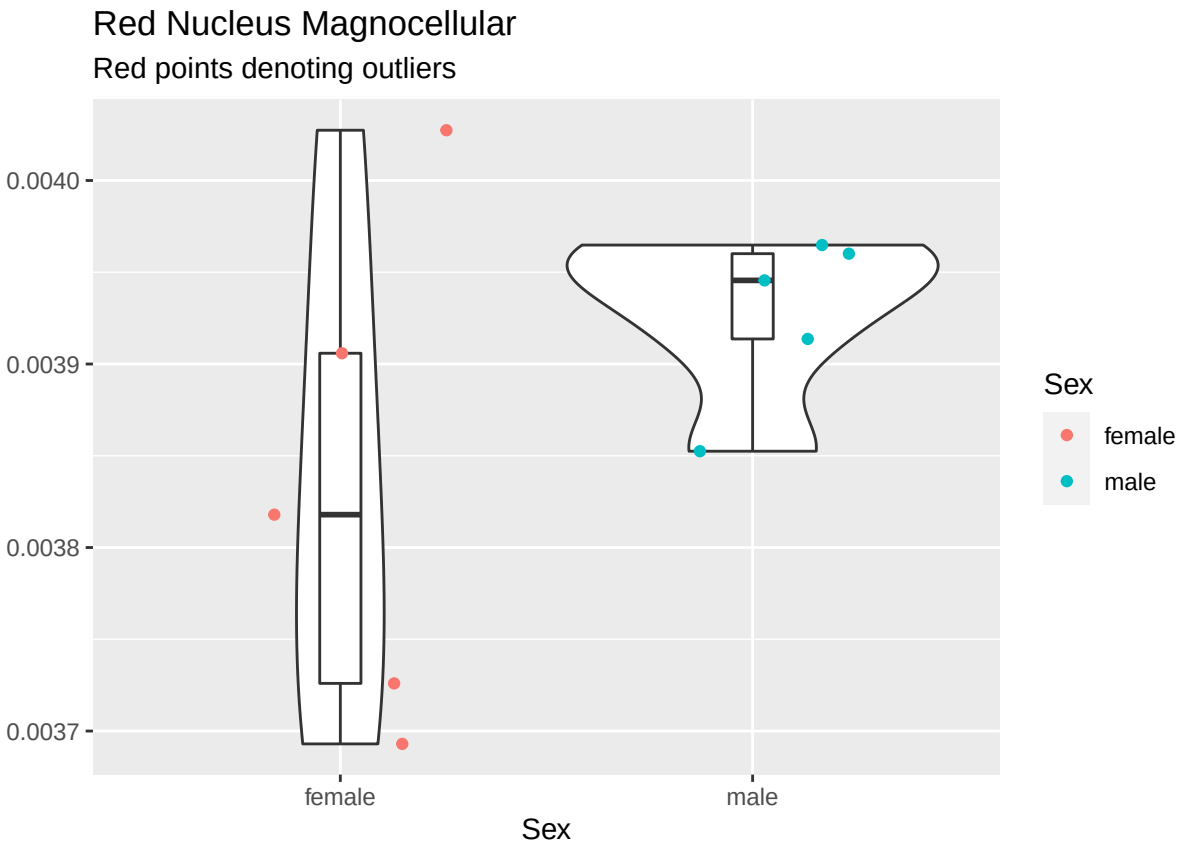

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 6.206e-08 6.206e-08   3.255  0.109
## Residuals    8 1.525e-07 1.907e-08
```



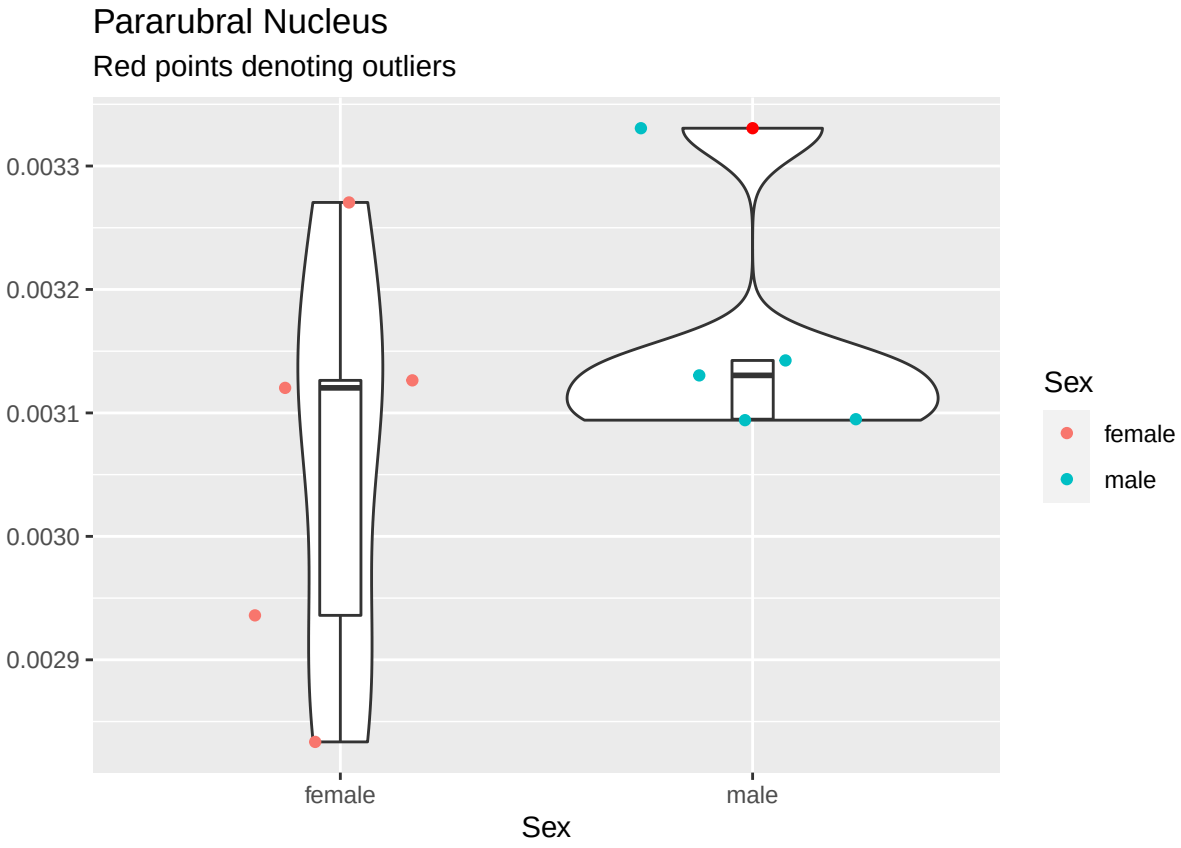

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.691e-08 2.691e-08   3.457    0.1
## Residuals    8 6.226e-08 7.783e-09
```



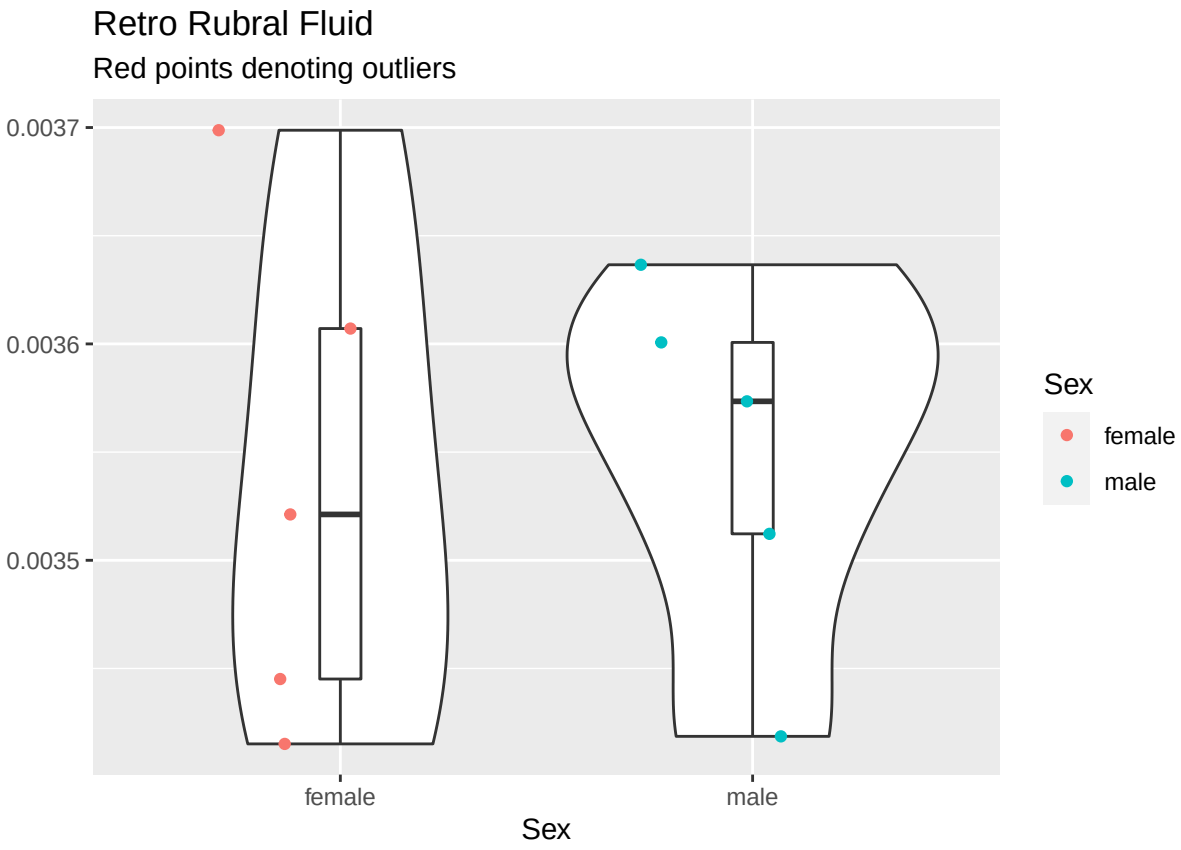

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.230e-08 1.230e-08   1.249  0.296
## Residuals    8 7.873e-08 9.841e-09
```



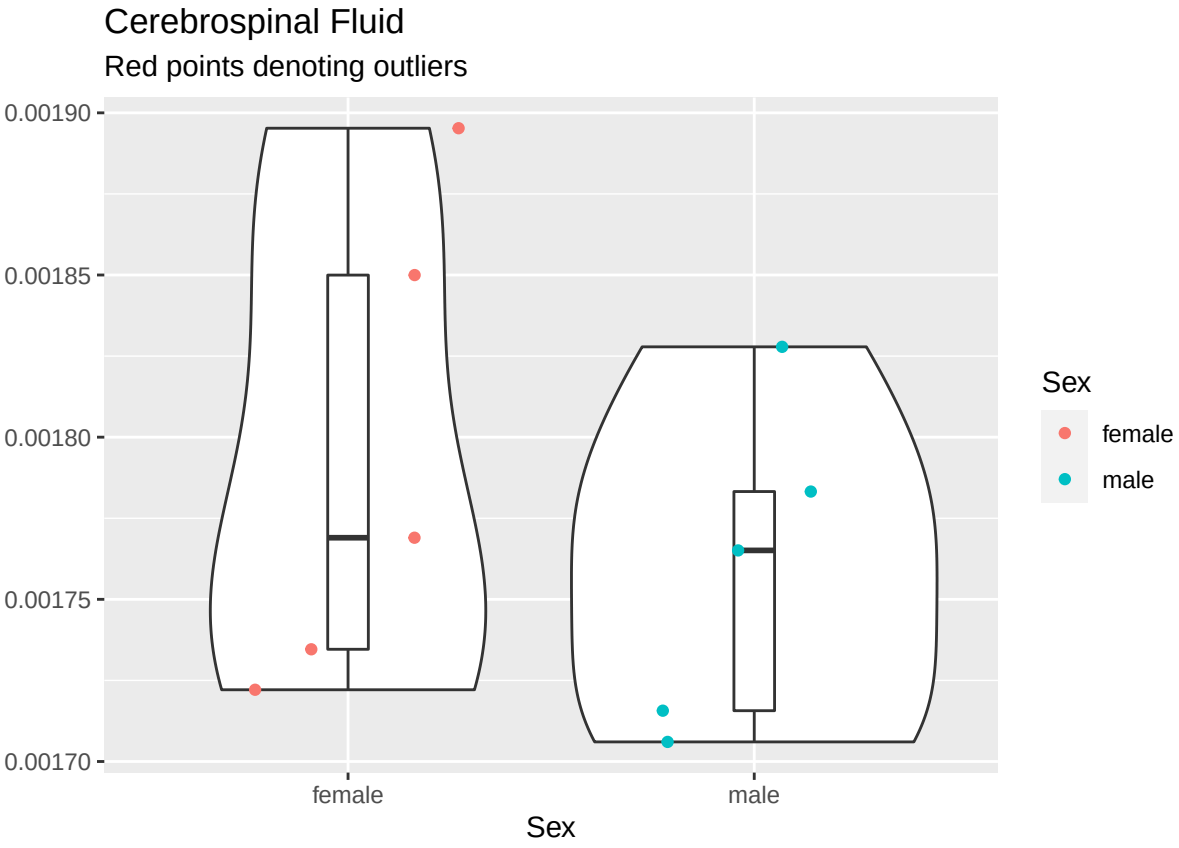

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.176e-08 2.176e-08   2.098  0.186
## Residuals    8 8.298e-08 1.037e-08
```



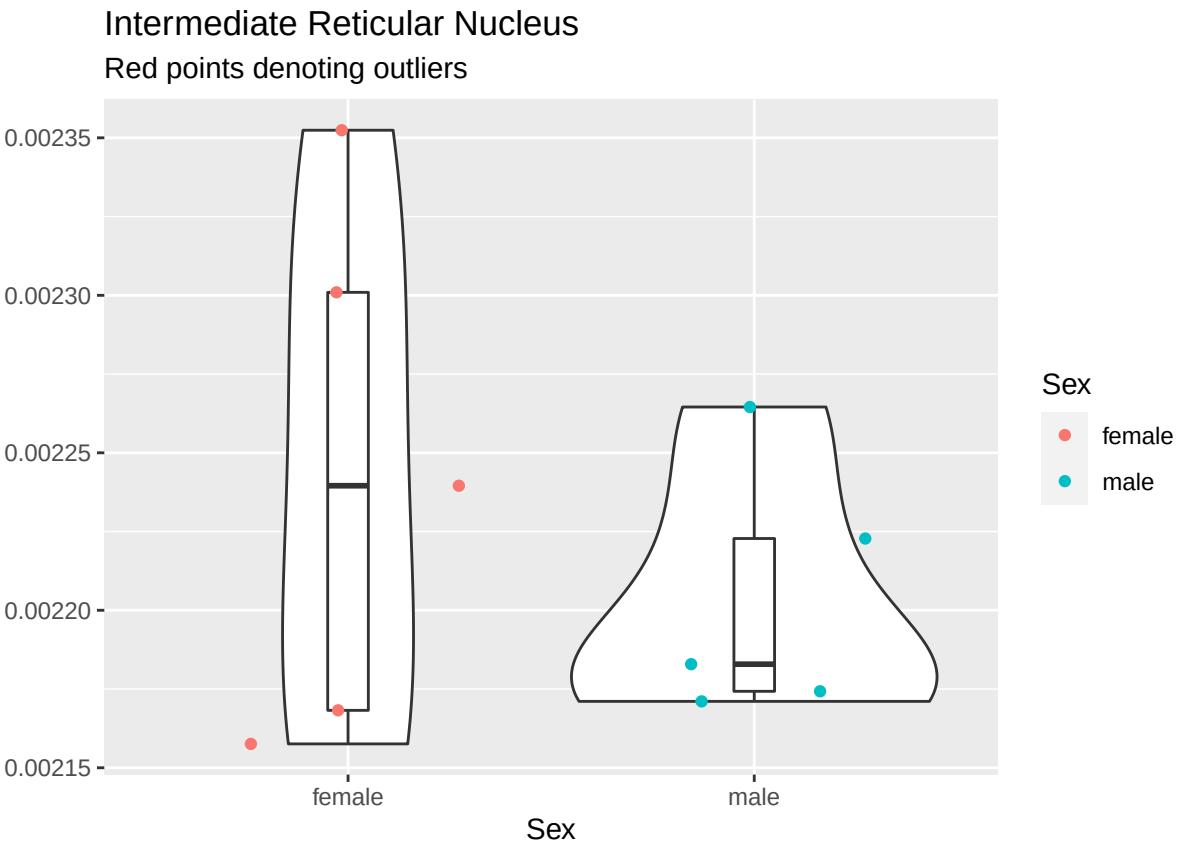

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.559e-08 2.559e-08   1.297  0.288
## Residuals    8 1.578e-07 1.973e-08
```



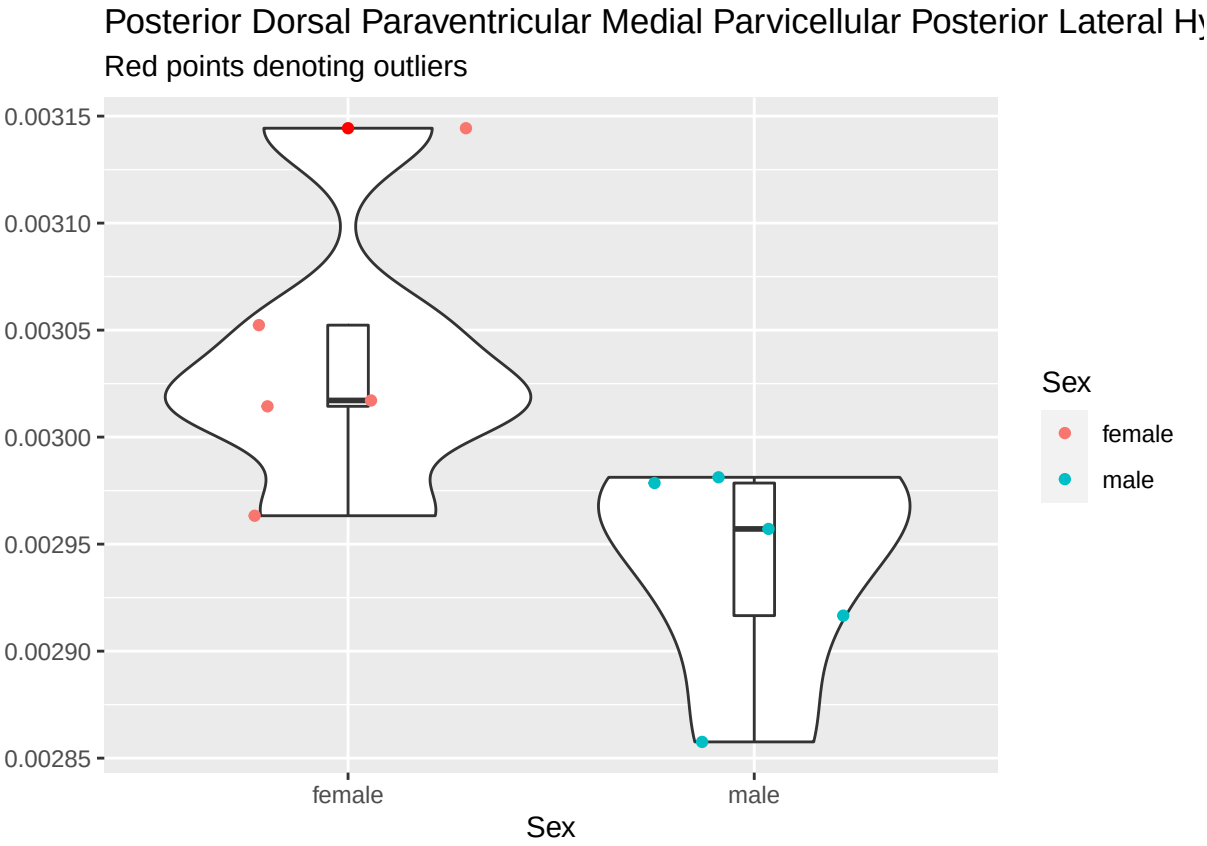

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.900e-10 2.950e-10   0.028  0.871
## Residuals    8 8.391e-08 1.049e-08
```



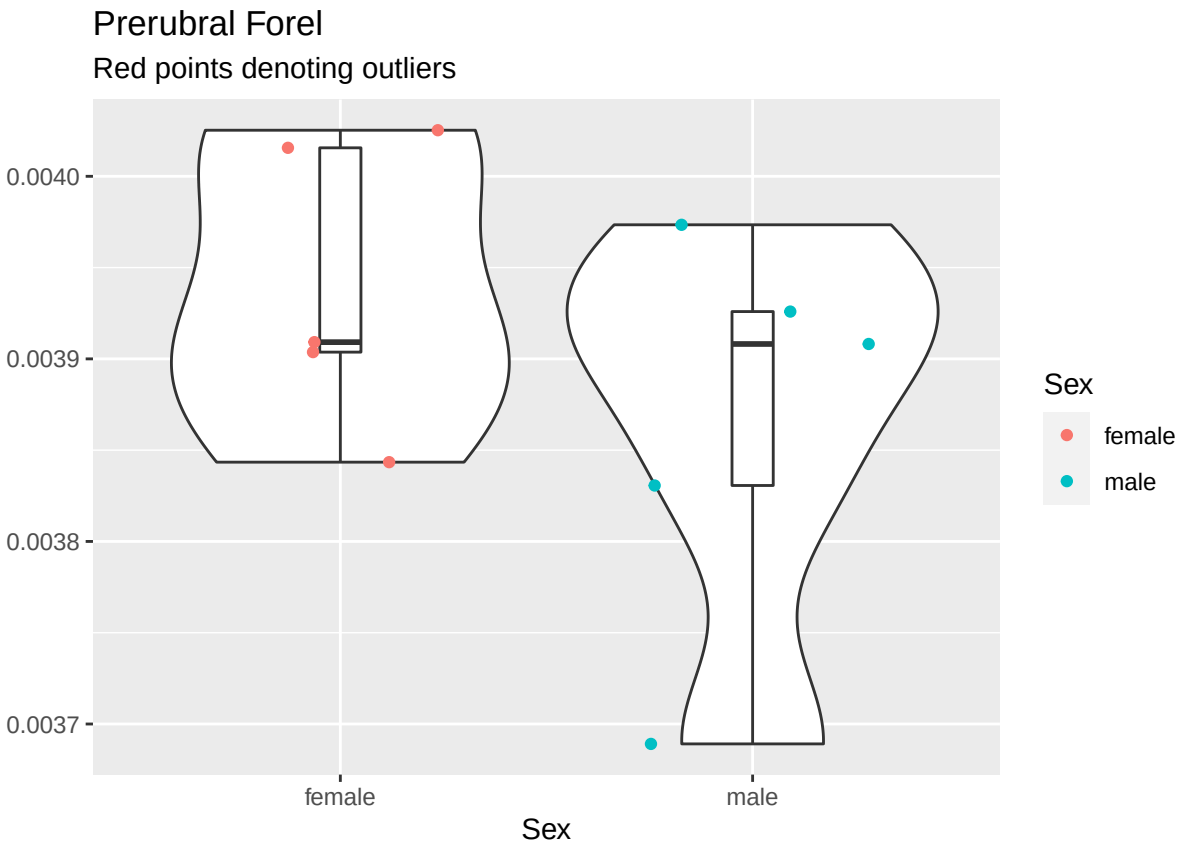

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.000e-09 2.995e-09   0.732  0.417
## Residuals    8 3.275e-08 4.094e-09
```



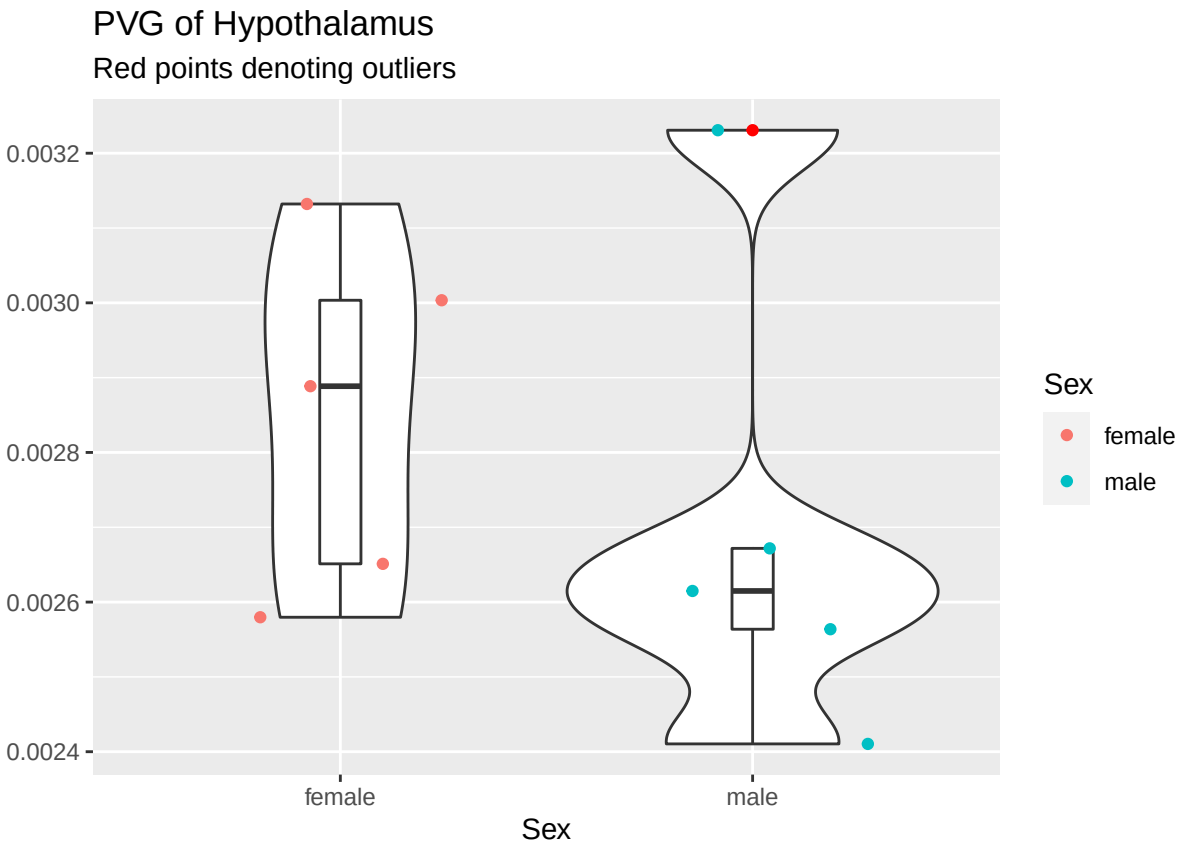

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.130e-09 4.127e-09   0.953  0.358
## Residuals    8 3.465e-08 4.332e-09
```



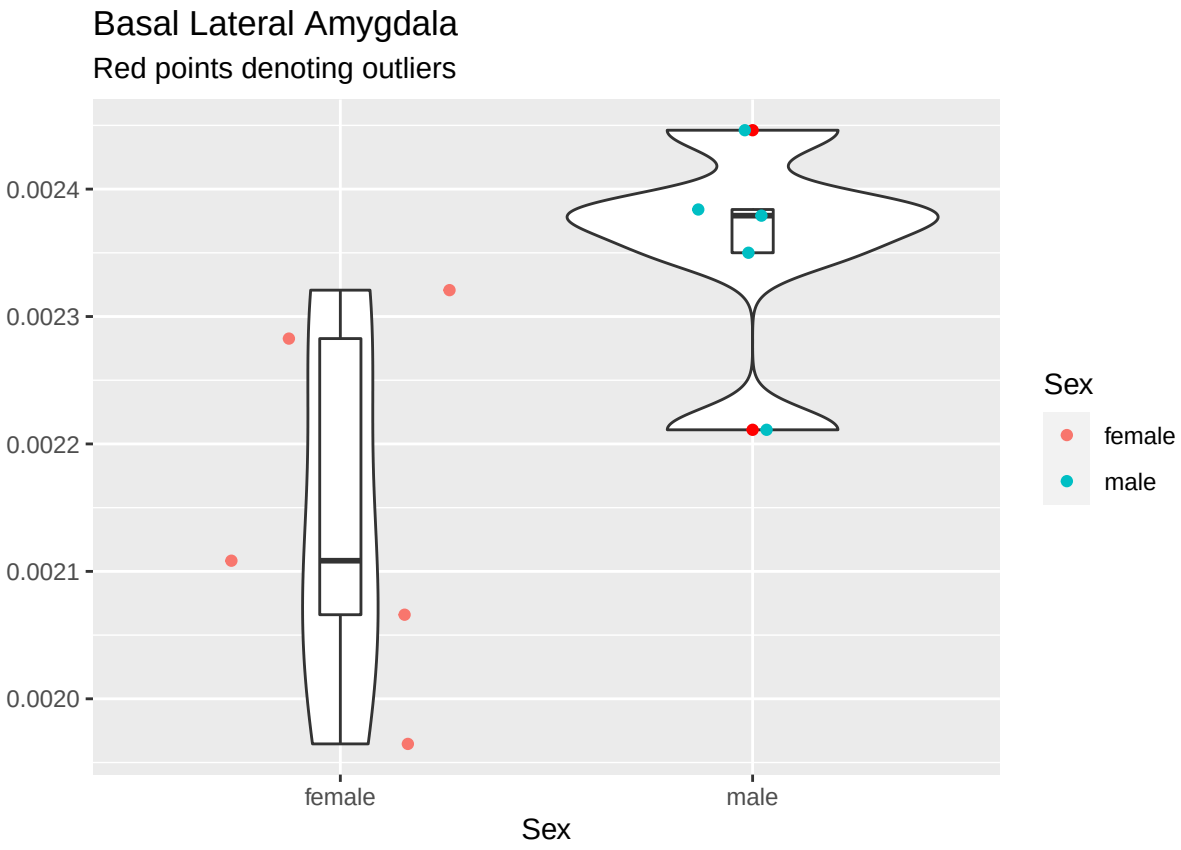

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.504e-08 2.504e-08   6.933   0.03 *
## Residuals    8 2.889e-08 3.611e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```




```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.368e-08 1.368e-08   1.479  0.259
## Residuals    8 7.403e-08 9.254e-09
```

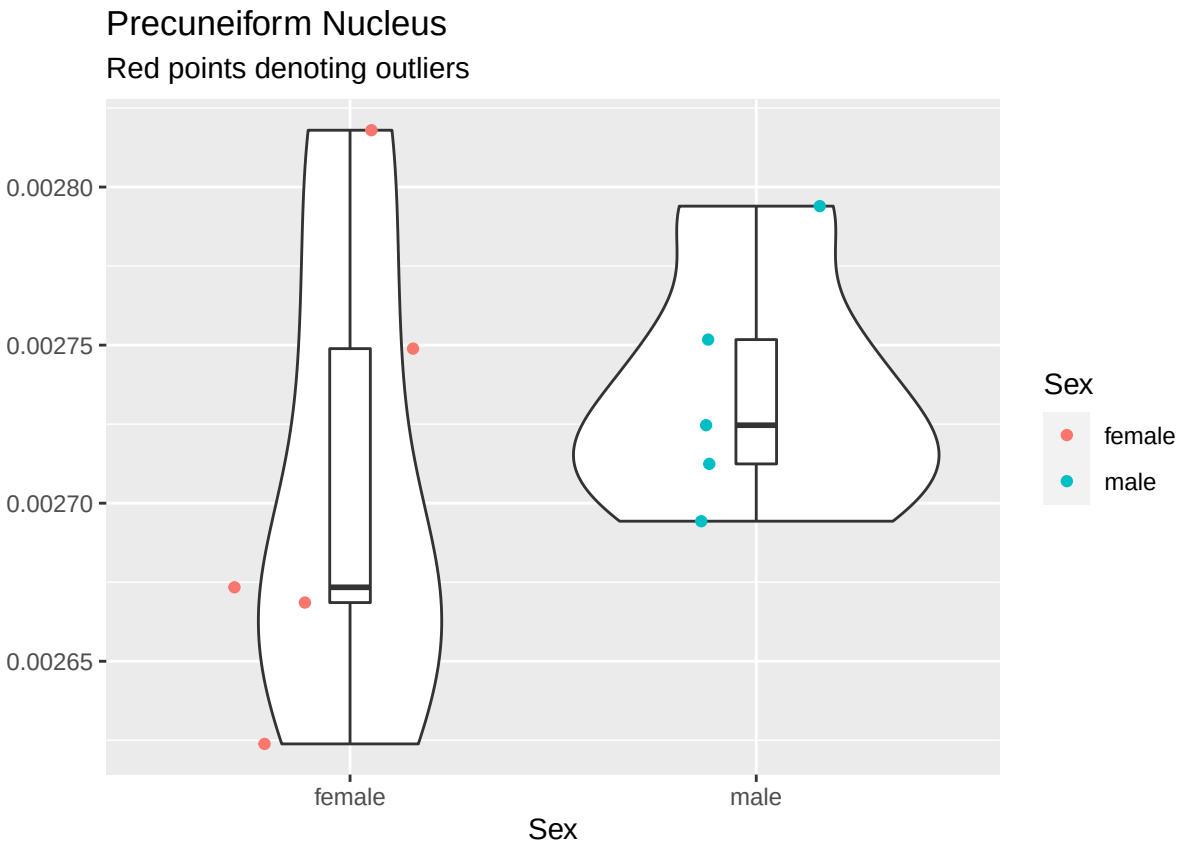



```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.830e-08 5.828e-08   0.765  0.407
## Residuals    8 6.093e-07 7.617e-08
```

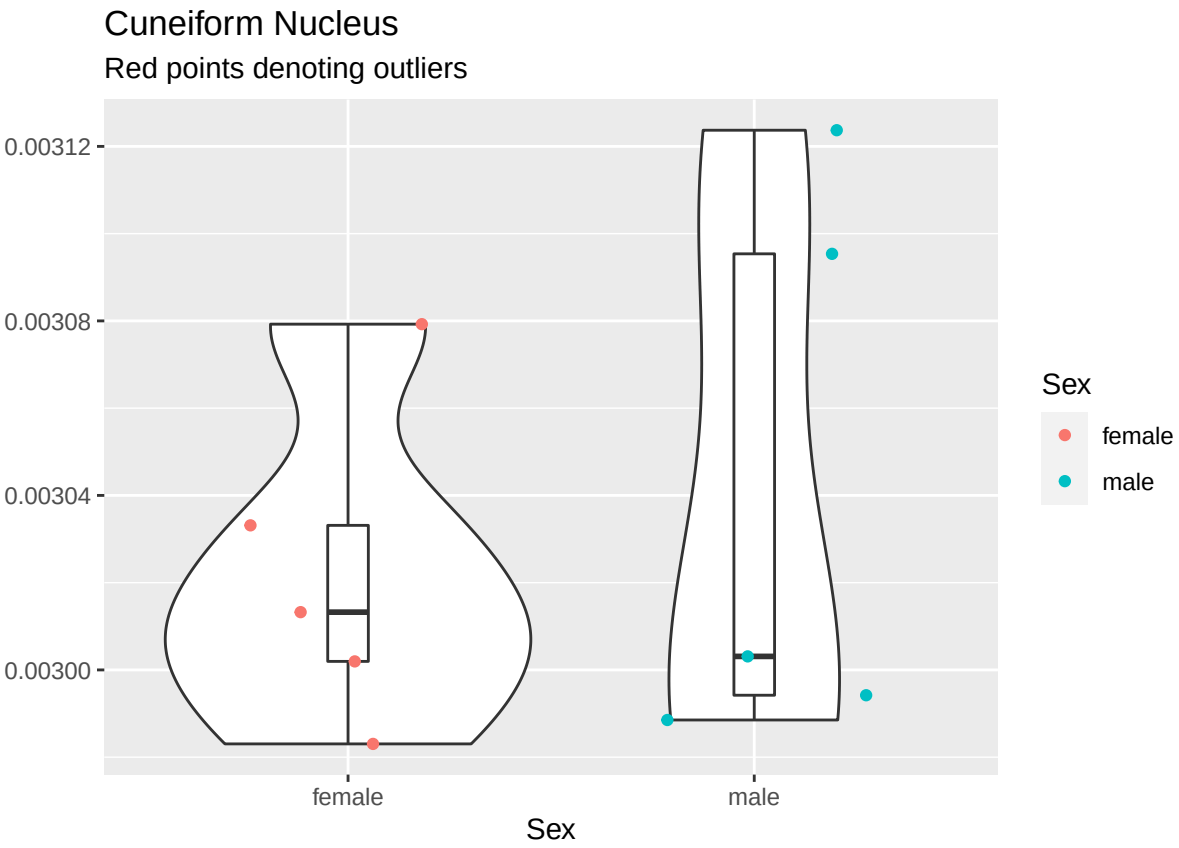



```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.057e-07 1.057e-07   7.026 0.0292 *
## Residuals    8 1.204e-07 1.505e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

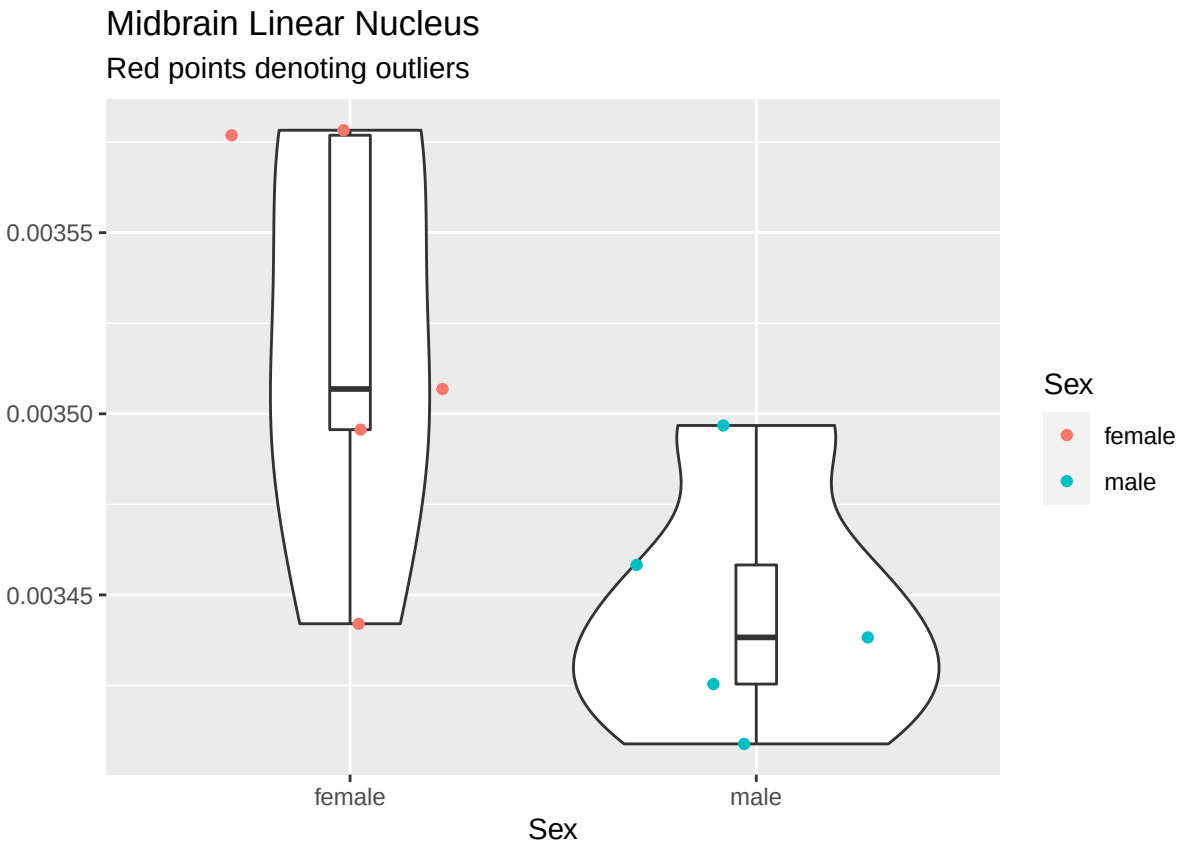

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.728e-08 2.728e-08   5.314 0.0501 .
## Residuals    8 4.106e-08 5.133e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



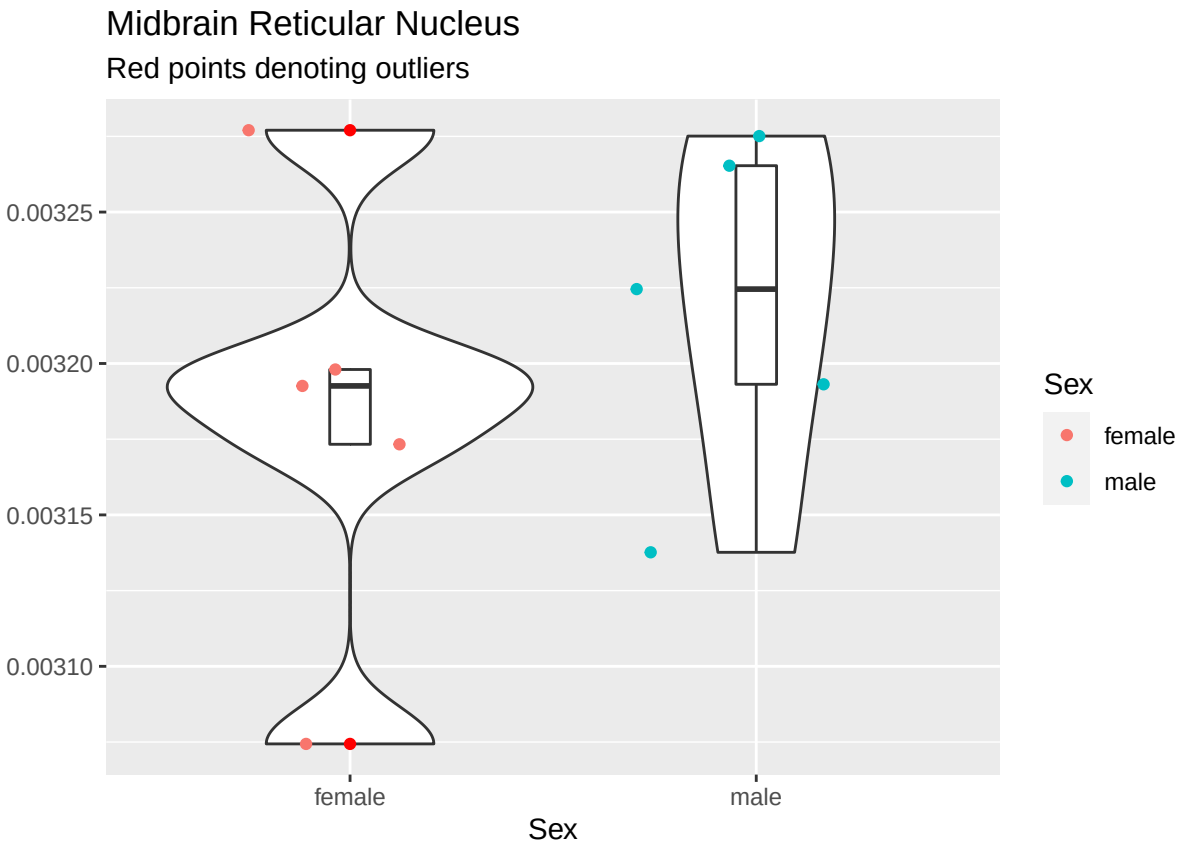

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.086e-09 2.086e-09   0.563  0.474
## Residuals    8 2.962e-08 3.702e-09
```



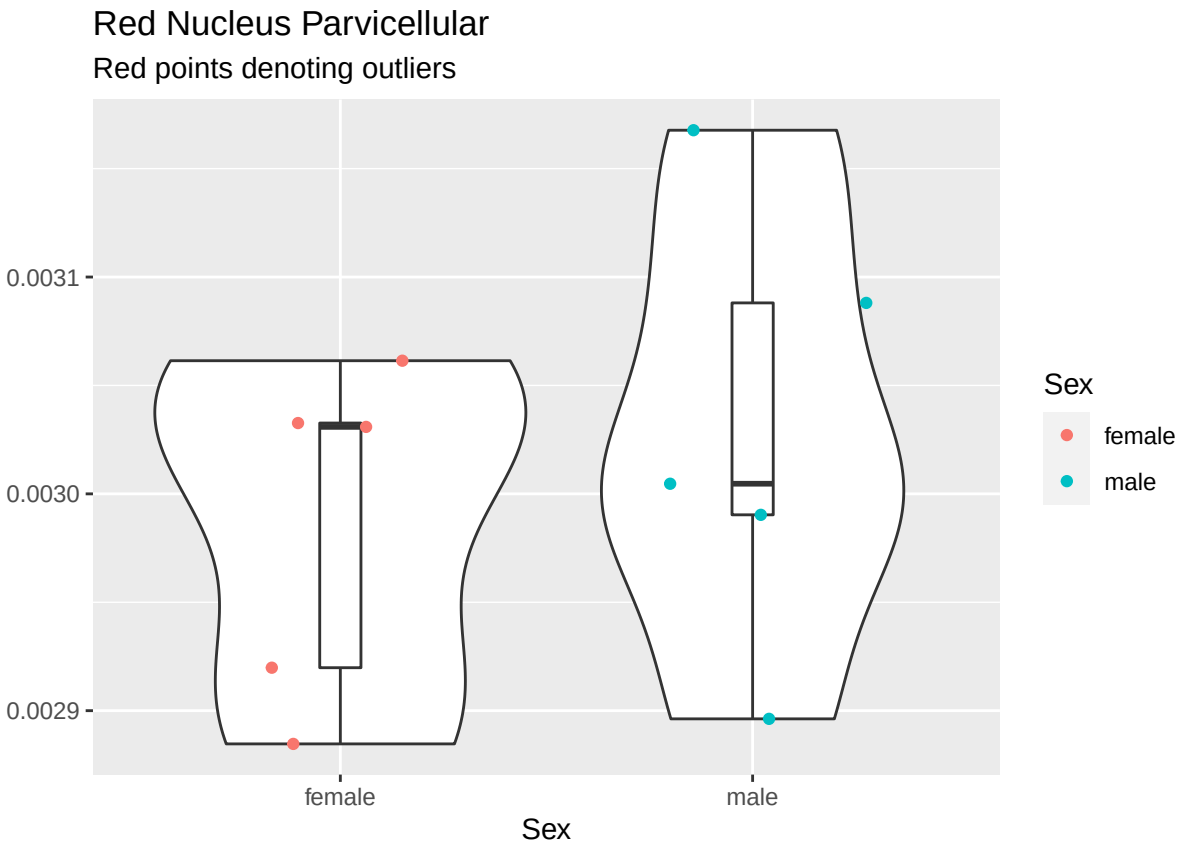

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 8.890e-10 8.887e-10    0.33  0.582
## Residuals    8 2.157e-08 2.697e-09
```



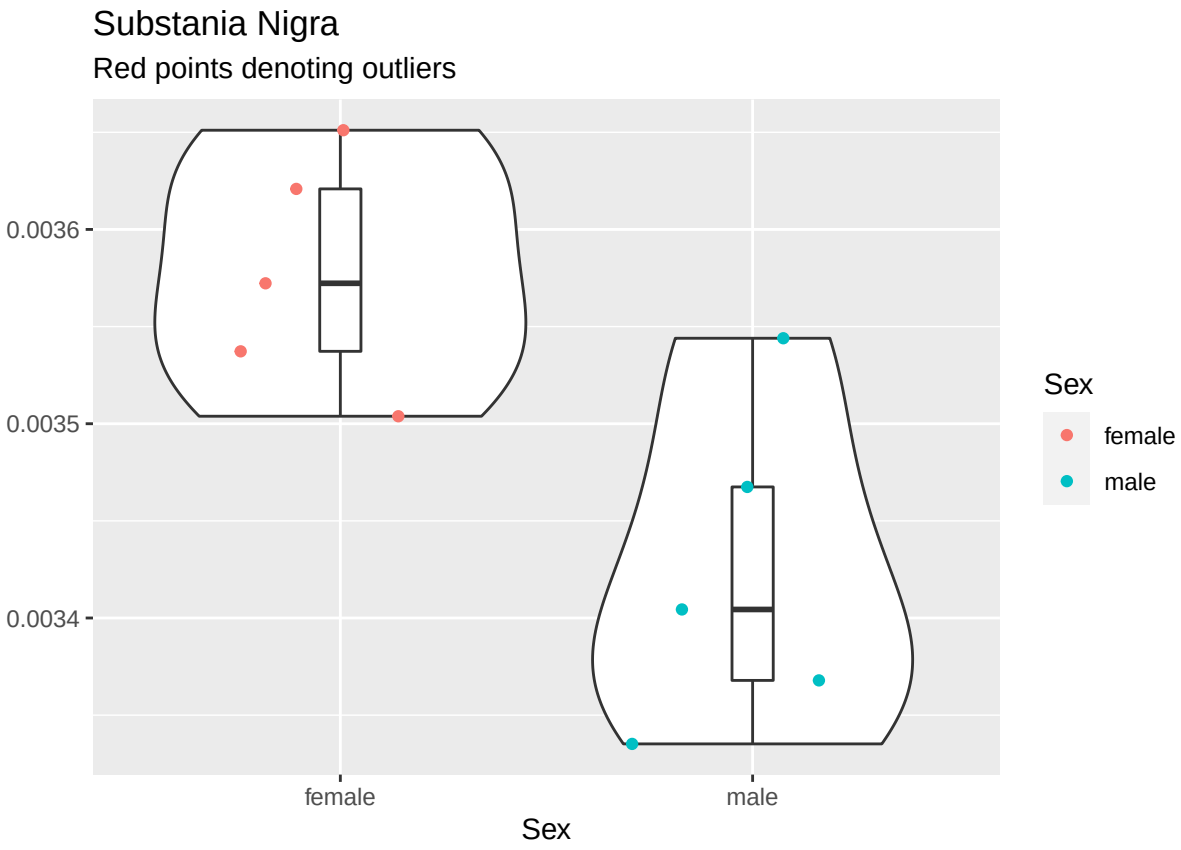

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.385e-08 1.385e-08   6.131 0.0383 *
## Residuals    8 1.807e-08 2.259e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



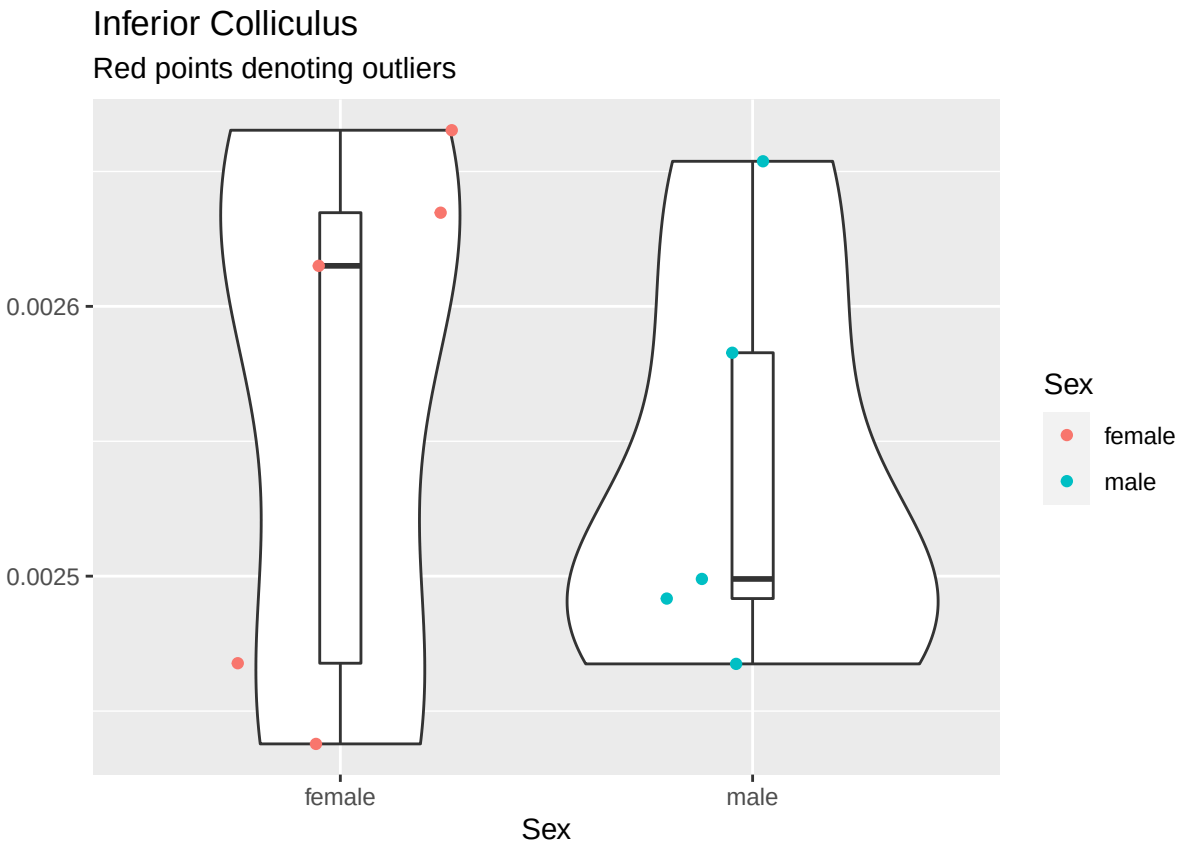

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.250e-09 3.255e-09   0.774  0.405
## Residuals    8 3.366e-08 4.208e-09
```



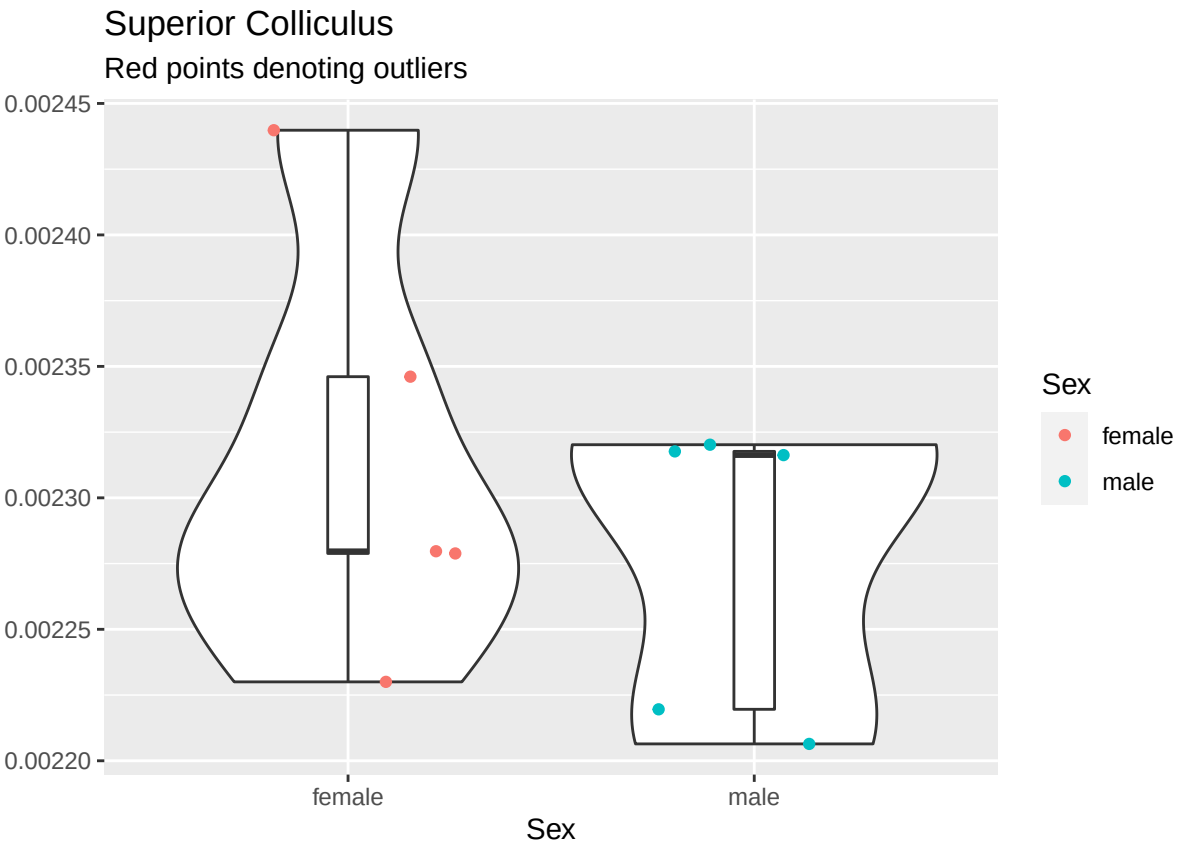

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.730e-09 4.733e-09   0.565  0.474
## Residuals    8 6.697e-08 8.371e-09
```



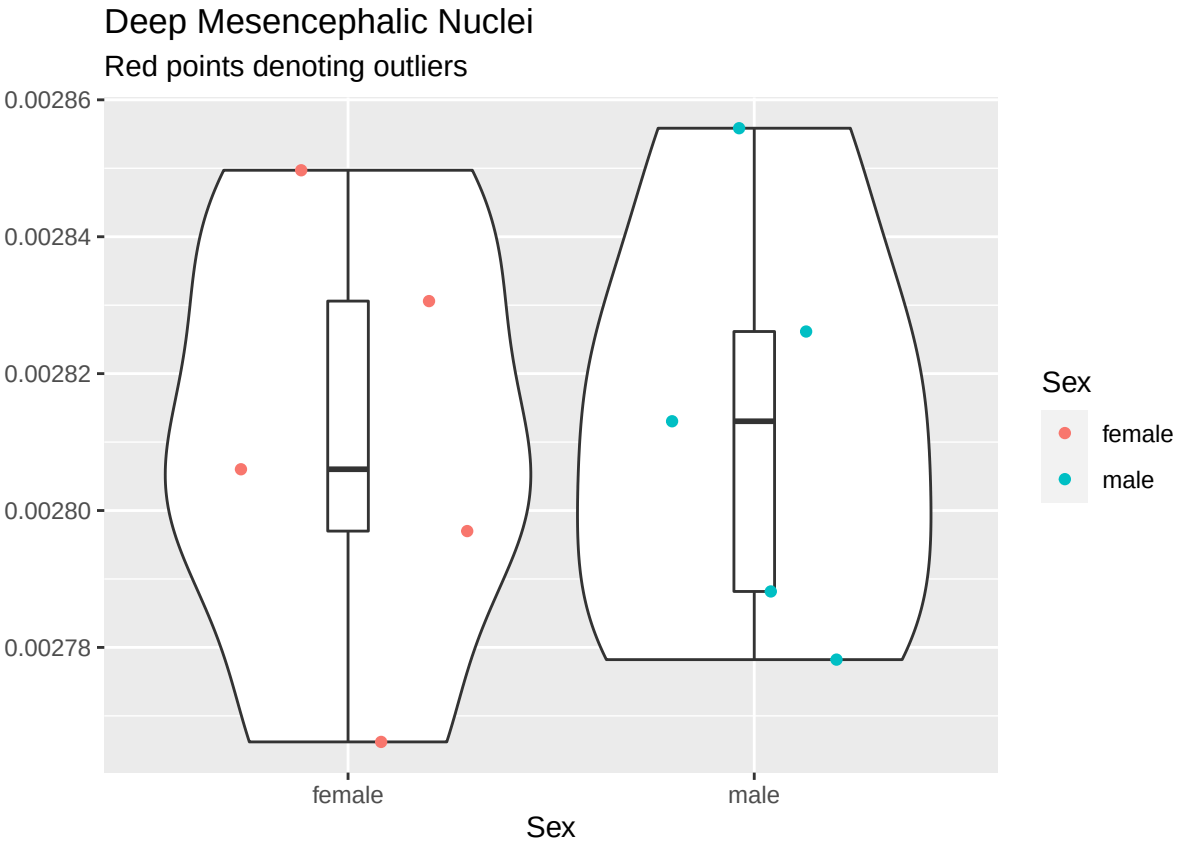

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.873e-08 5.873e-08   11.17 0.0102 *
## Residuals    8 4.207e-08 5.260e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



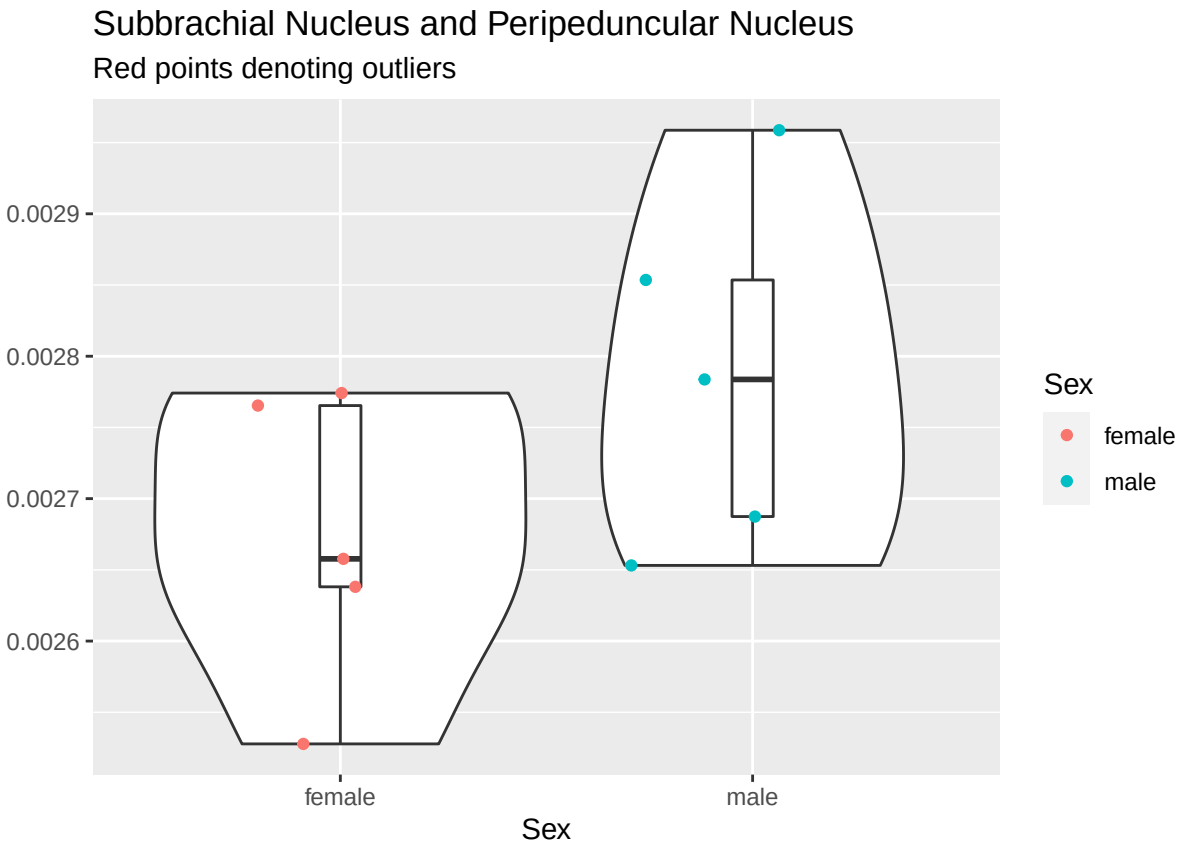

```
##             Df   Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.58e-09 1.584e-09   0.189  0.675
## Residuals    8 6.71e-08 8.388e-09
```



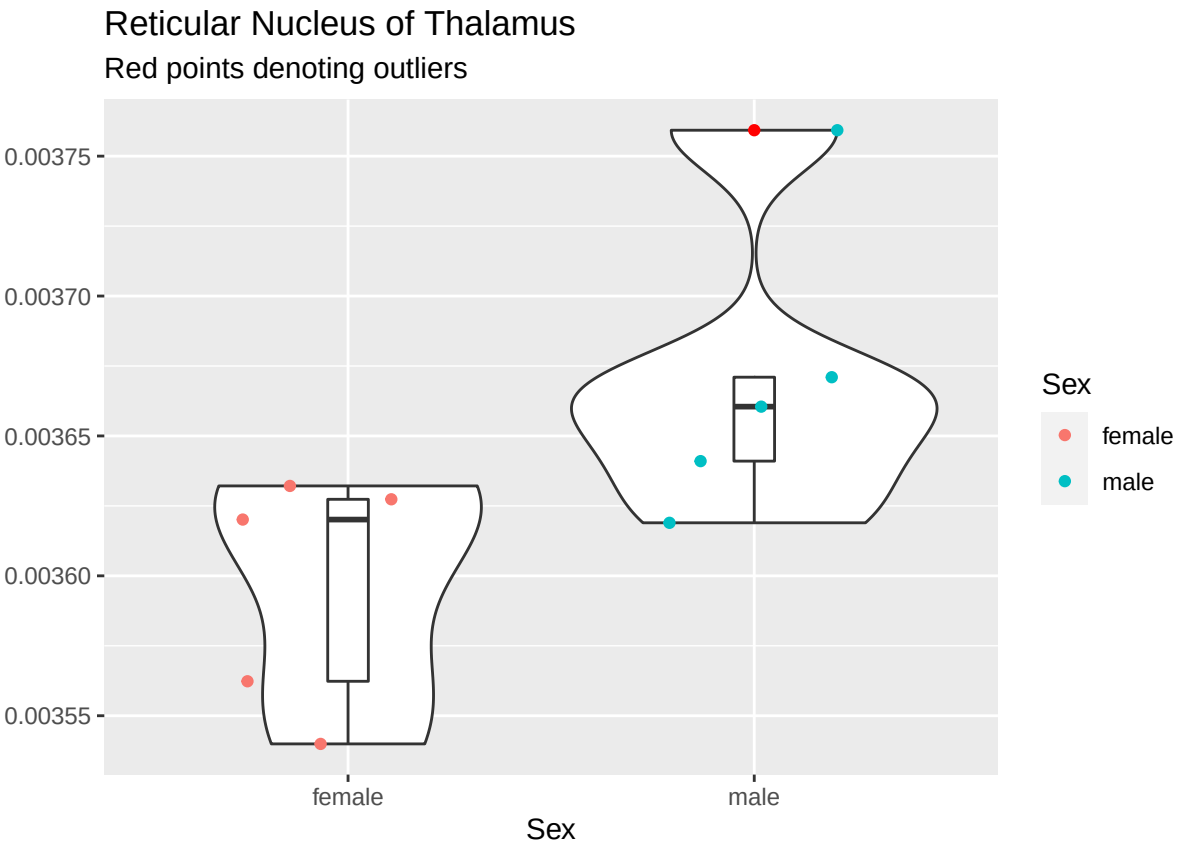

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.780e-09 3.777e-09   0.762  0.408
## Residuals    8 3.966e-08 4.958e-09
```



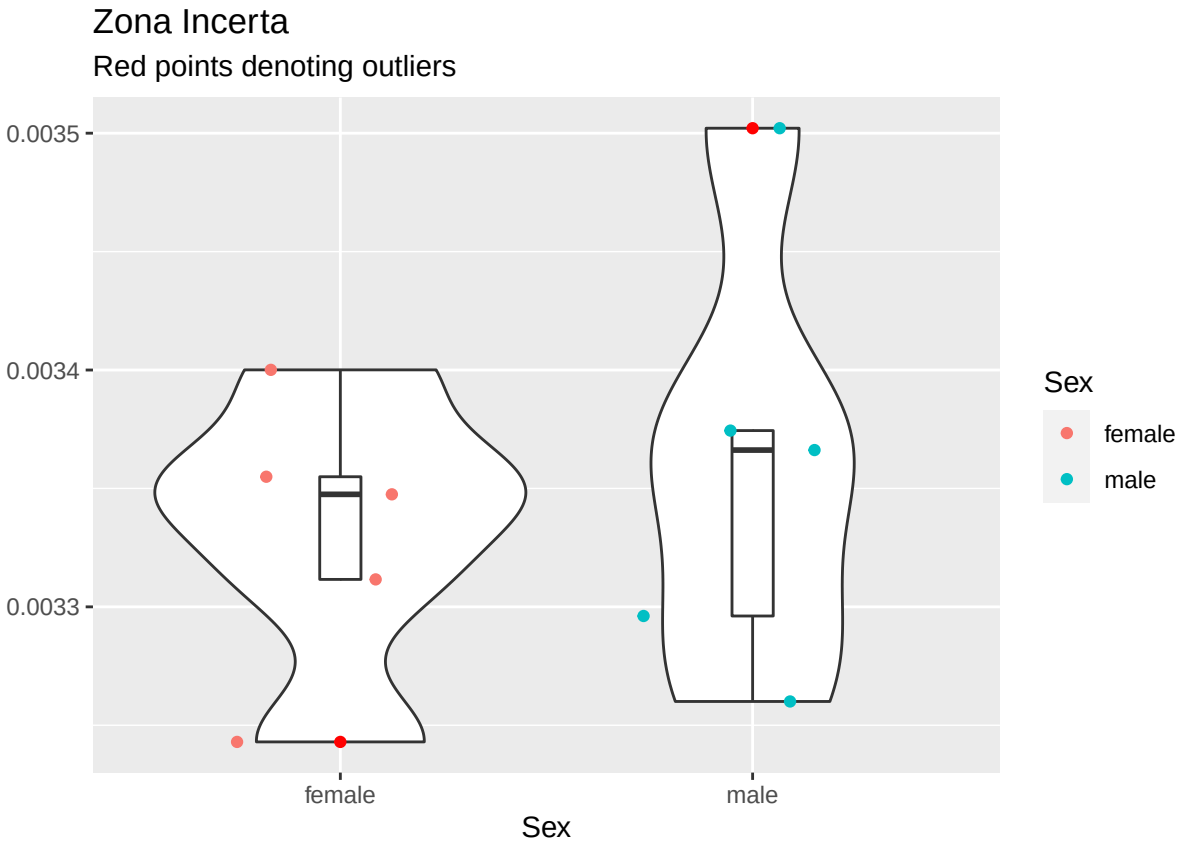

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.400e-11 1.420e-11   0.014  0.908
## Residuals    8 7.938e-09 9.922e-10
```



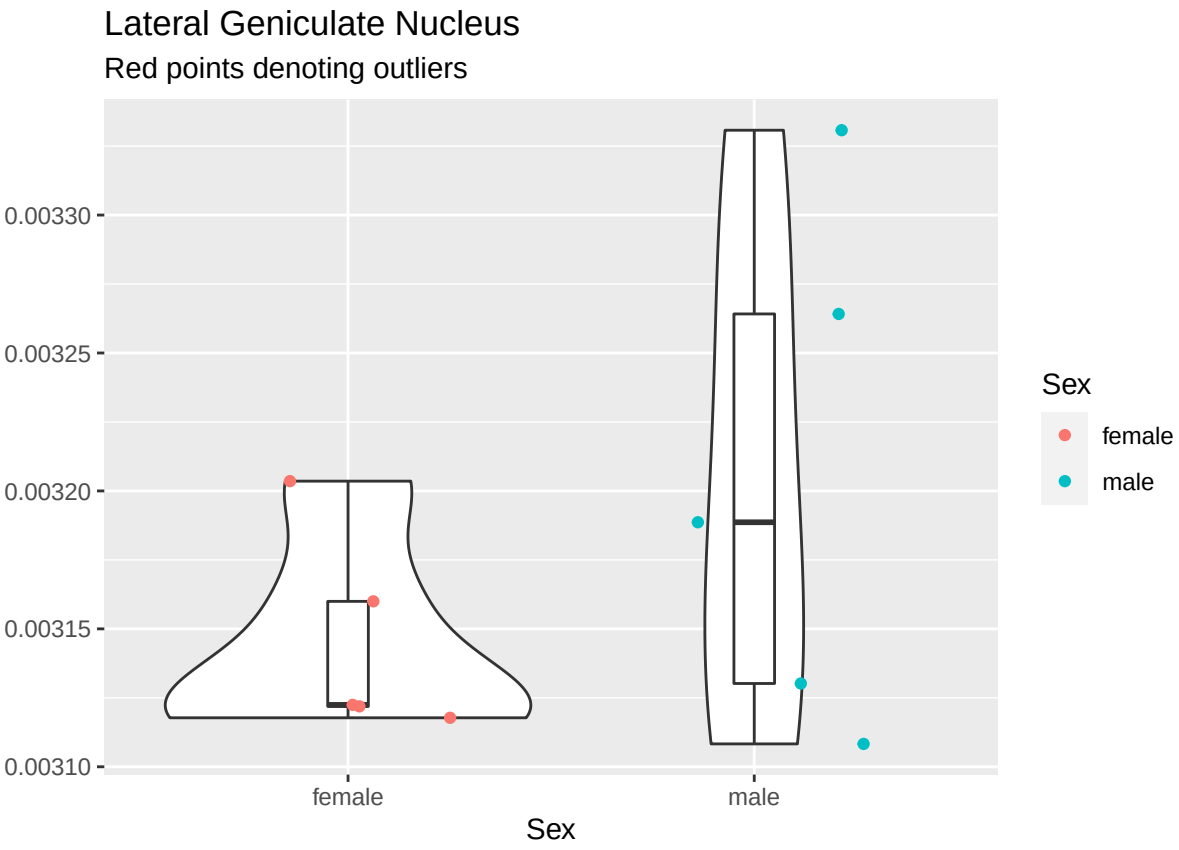

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.287e-08 3.287e-08   2.552  0.149
## Residuals    8 1.030e-07 1.288e-08
```



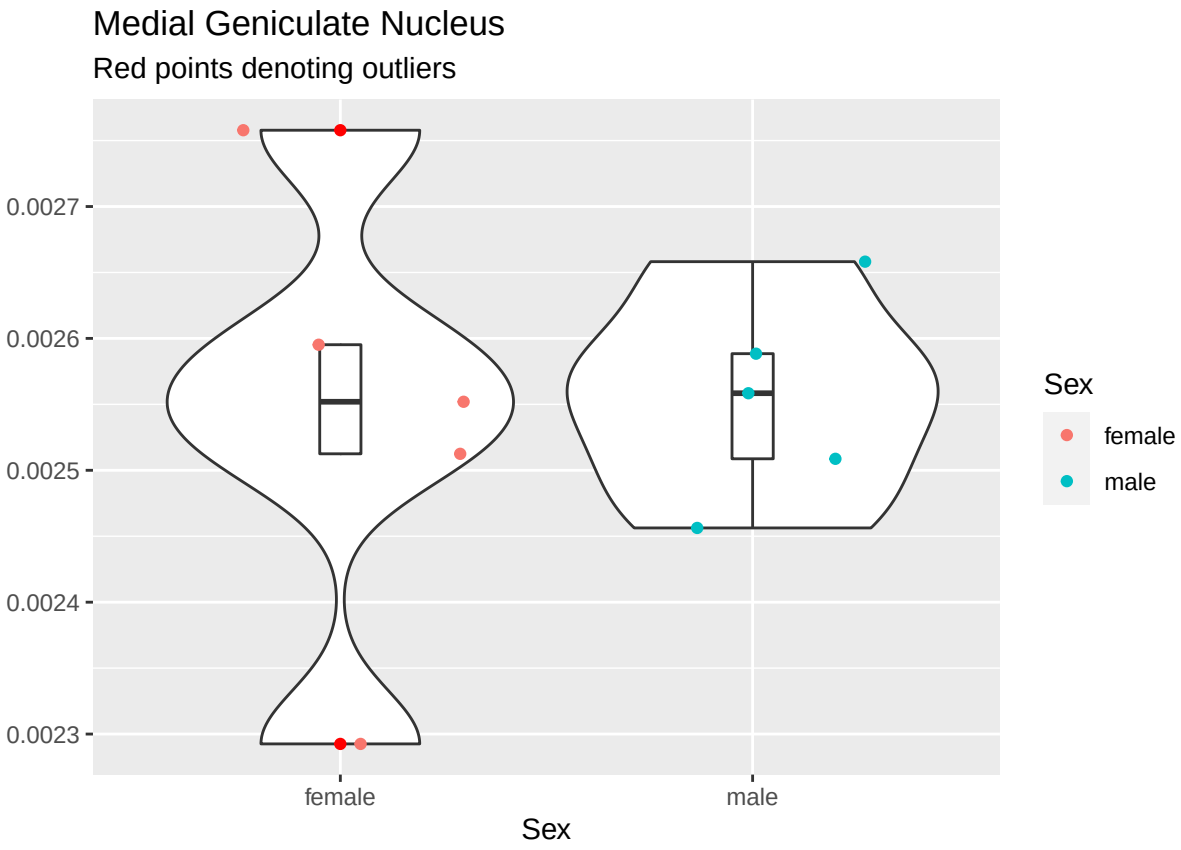

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.360e-08 1.360e-08   5.834 0.0422 *
## Residuals    8 1.865e-08 2.332e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



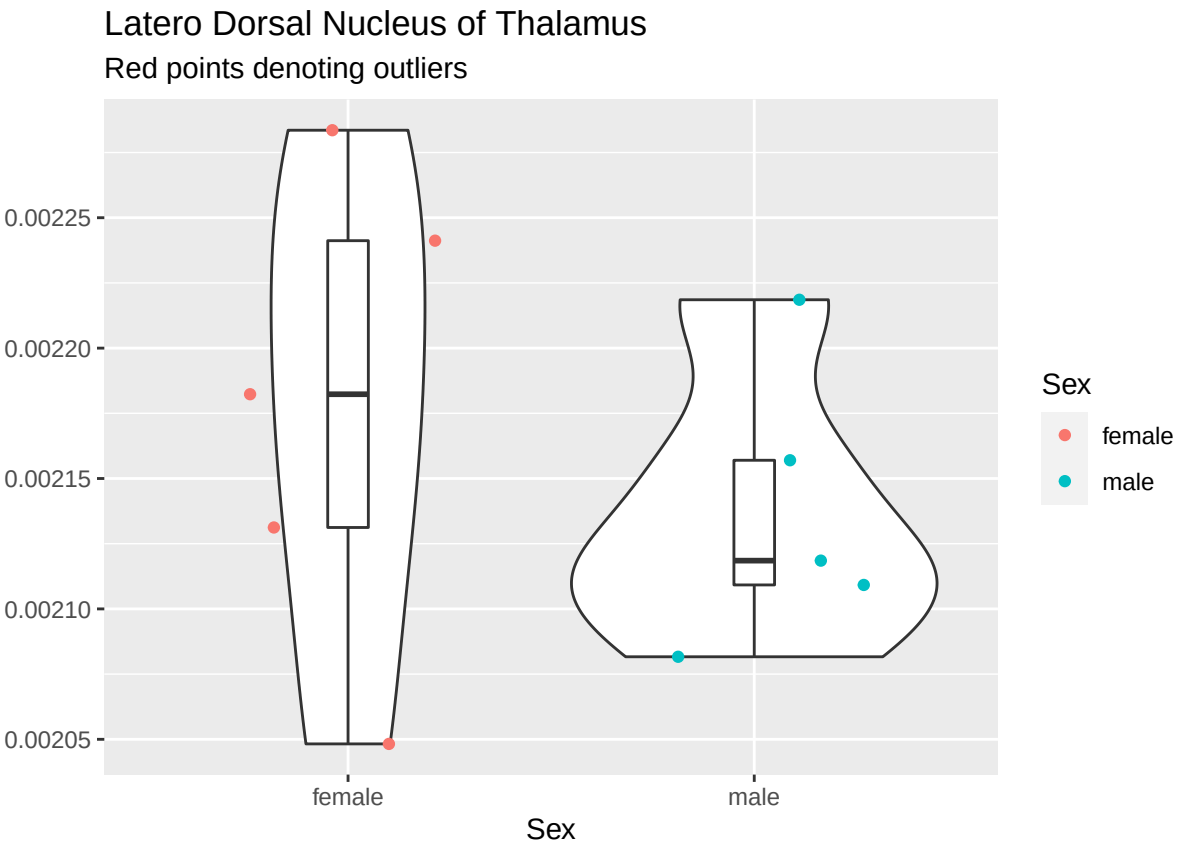

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.010e-09 2.012e-09   0.334  0.579
## Residuals    8 4.825e-08 6.031e-09
```



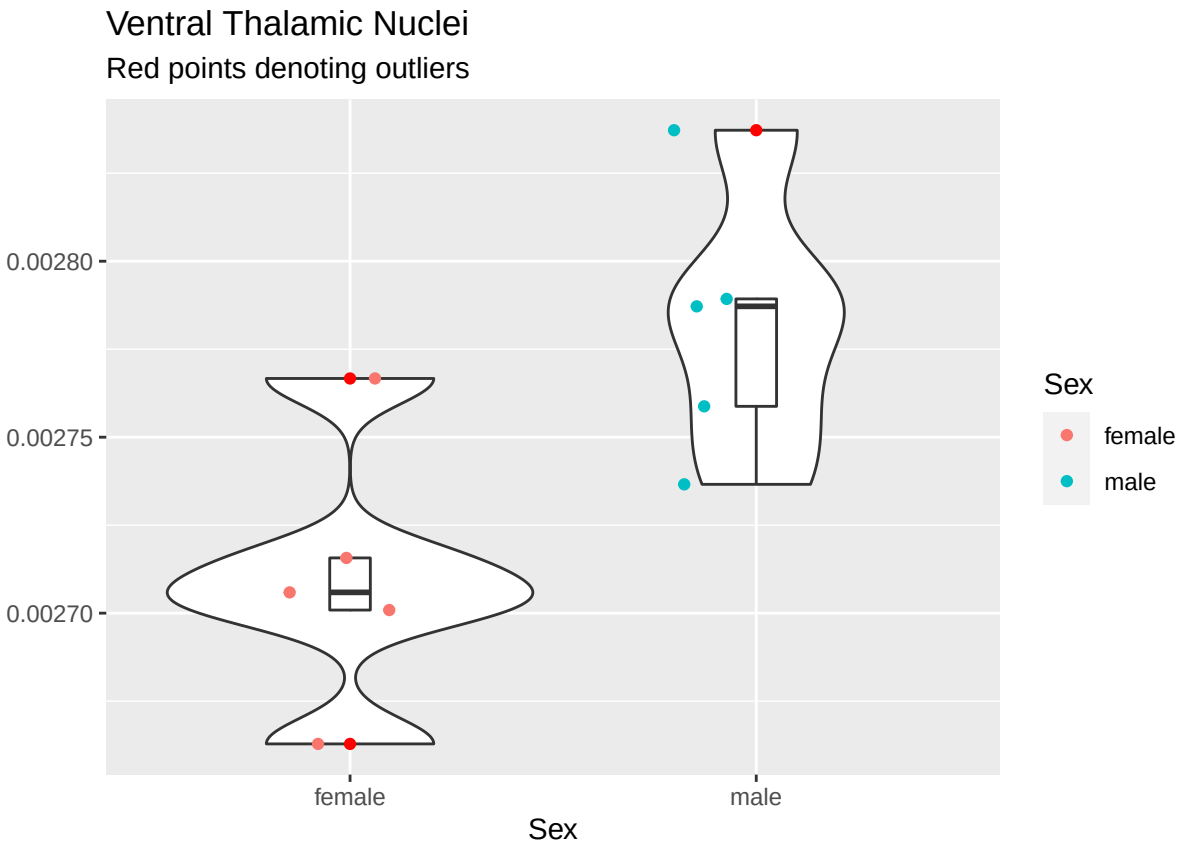

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 8.790e-09 8.786e-09   1.759  0.221
## Residuals    8 3.996e-08 4.996e-09
```



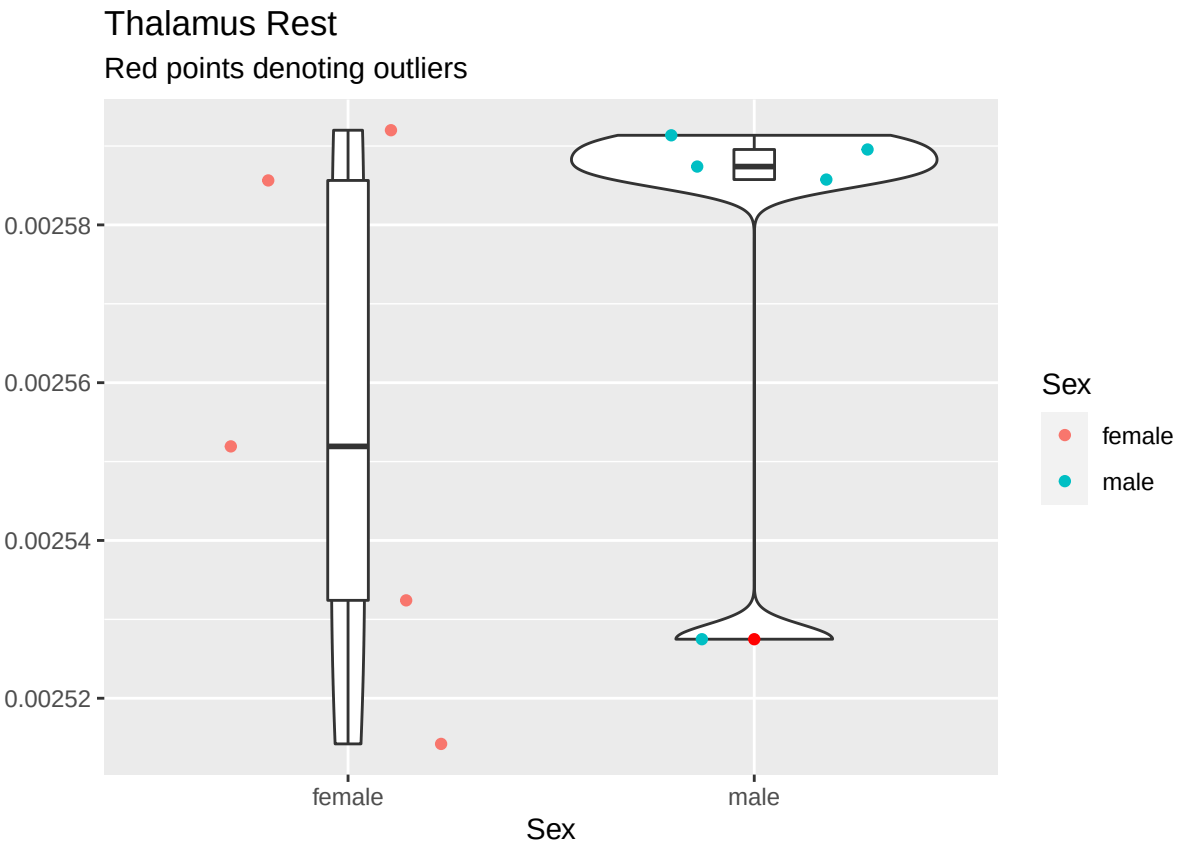

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 3.600e-10 3.600e-10   0.021  0.888
## Residuals     8 1.363e-07 1.704e-08
```



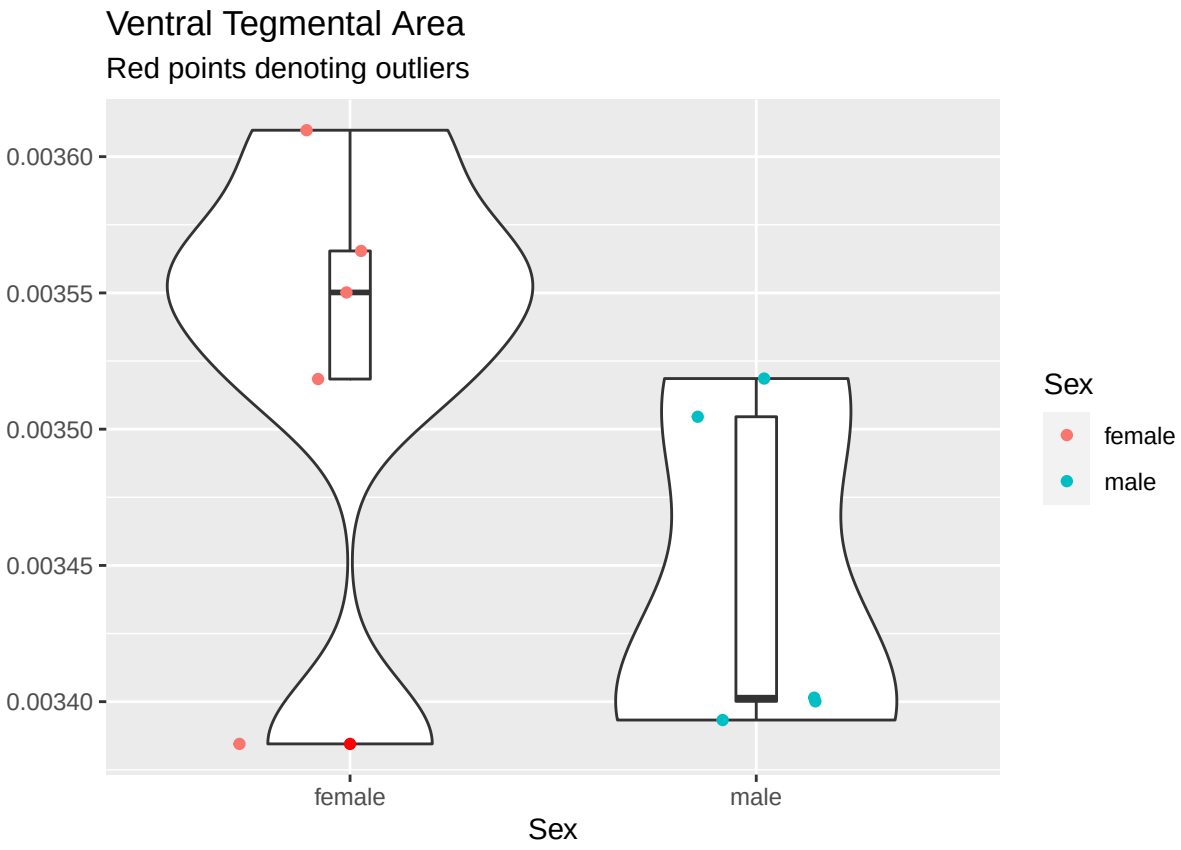

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.070e-09 4.066e-09   0.716  0.422
## Residuals    8 4.541e-08 5.676e-09
```



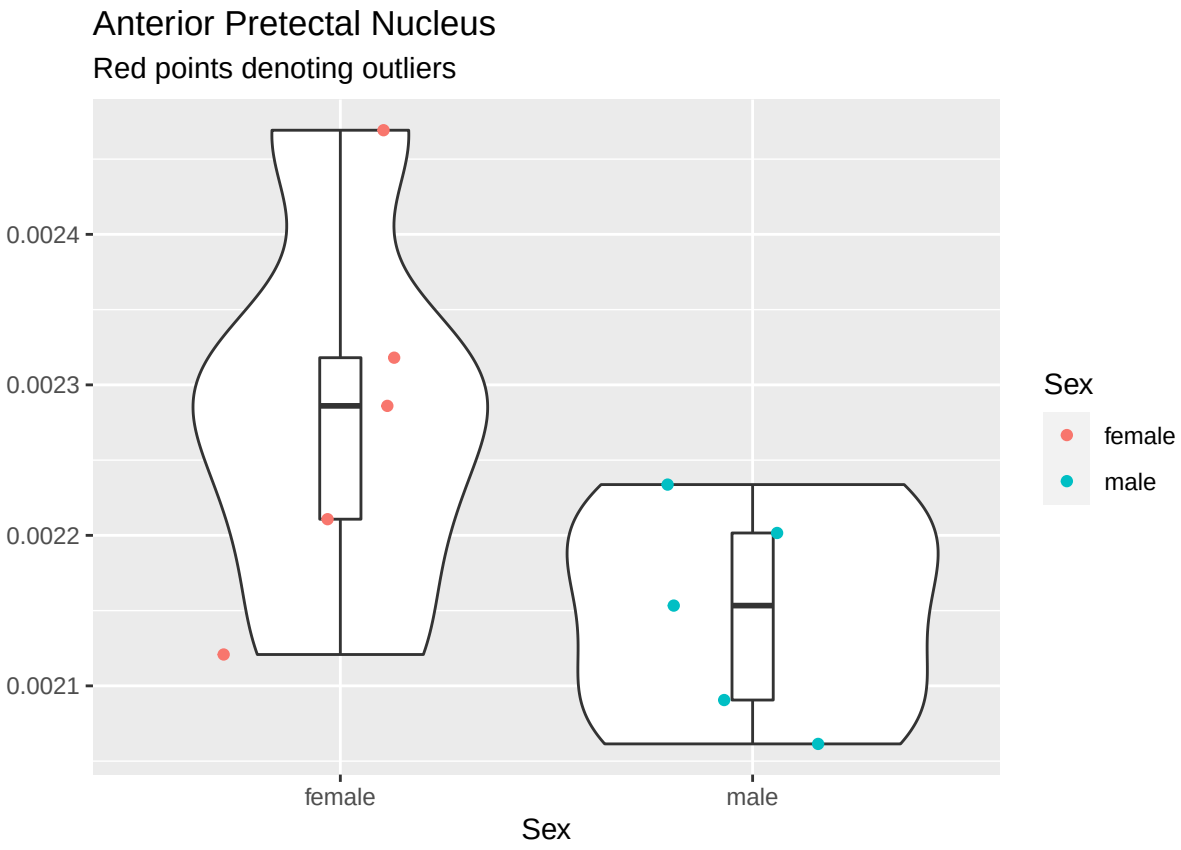

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.275e-08 1.275e-08   9.027  0.017 *
## Residuals    8 1.130e-08 1.412e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



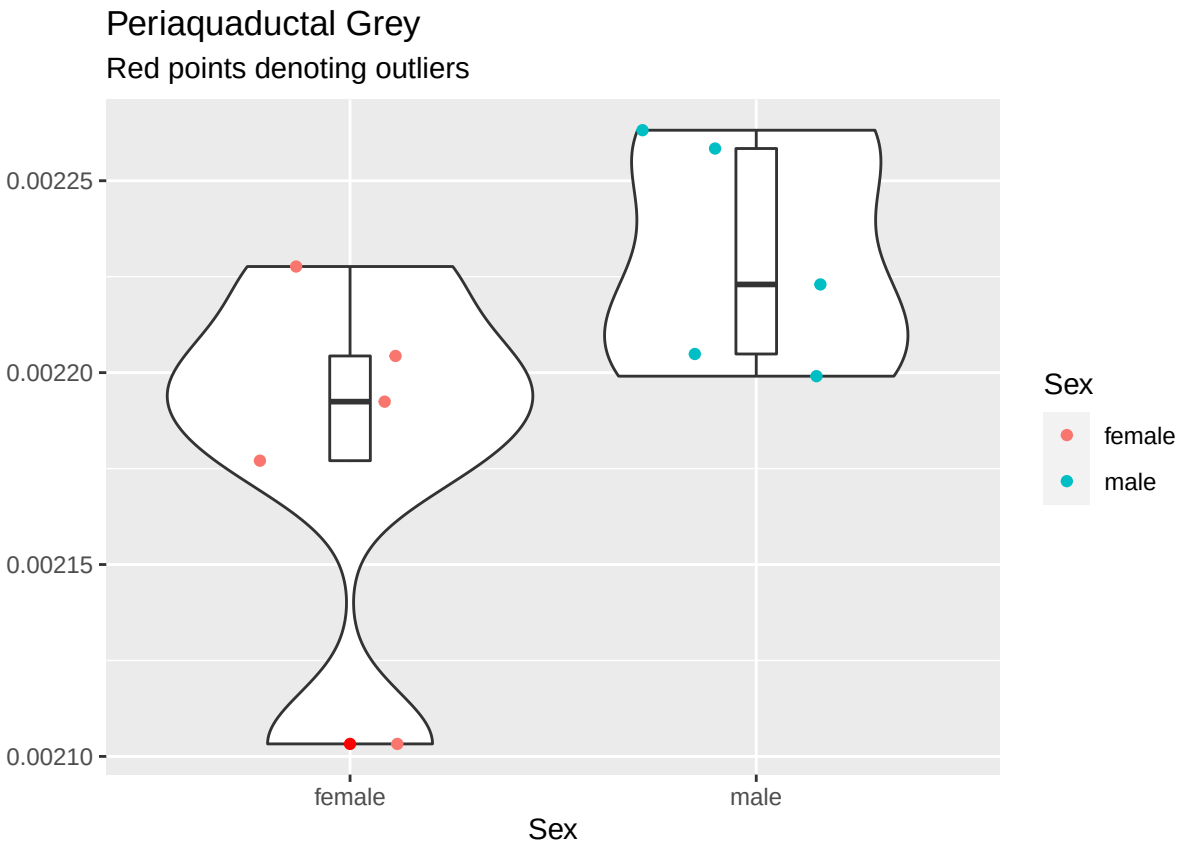

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 1.110e-09 1.110e-09   1.186  0.308
## Residuals     8 7.489e-09 9.361e-10
```



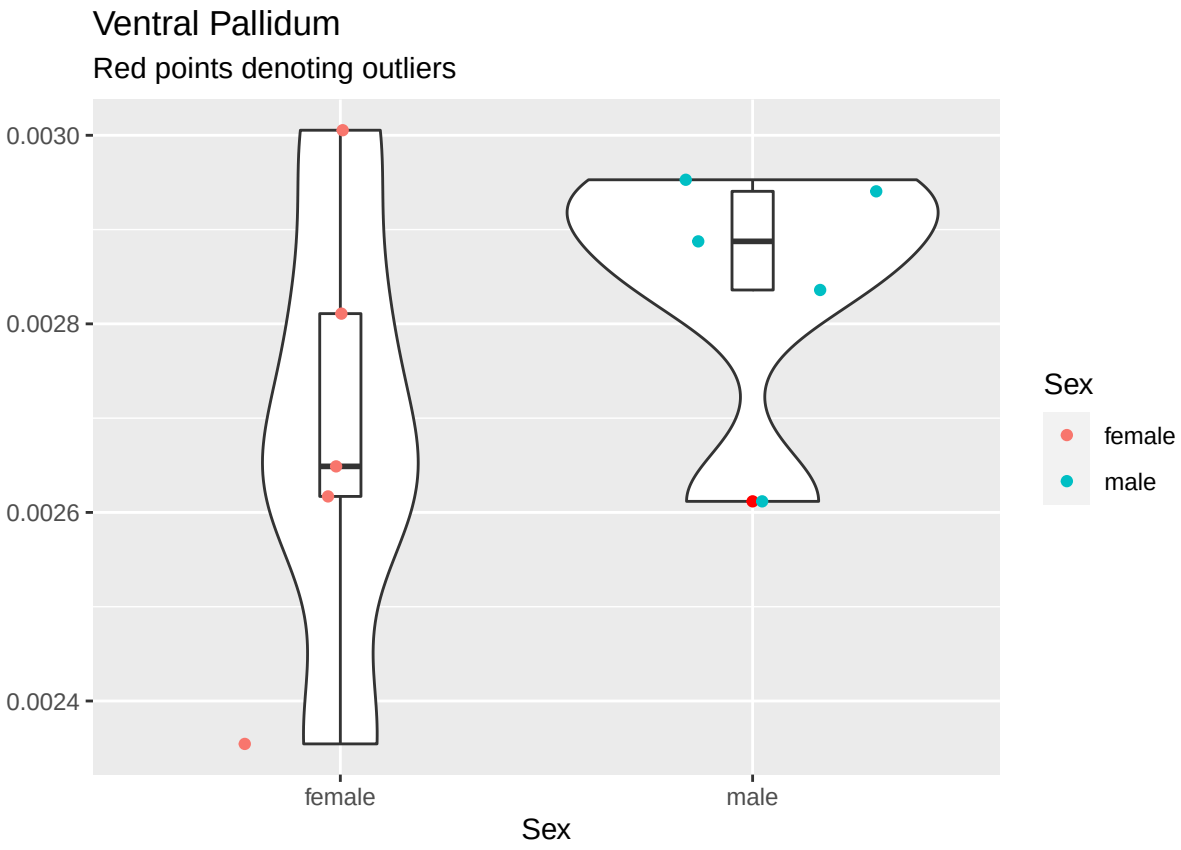

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.682e-08 1.683e-08   3.007  0.121
## Residuals    8 4.476e-08 5.594e-09
```



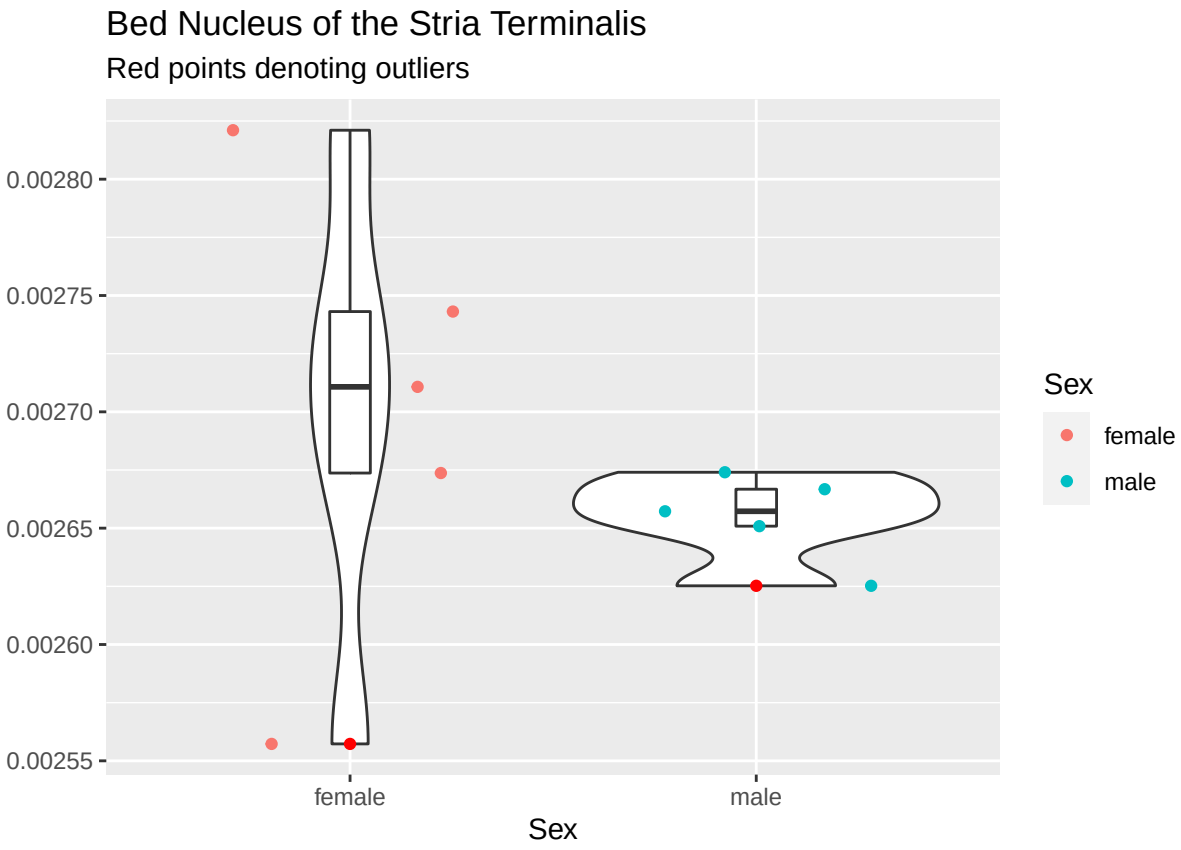

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.412e-08 4.412e-08   3.991 0.0808 .
## Residuals    8 8.845e-08 1.106e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



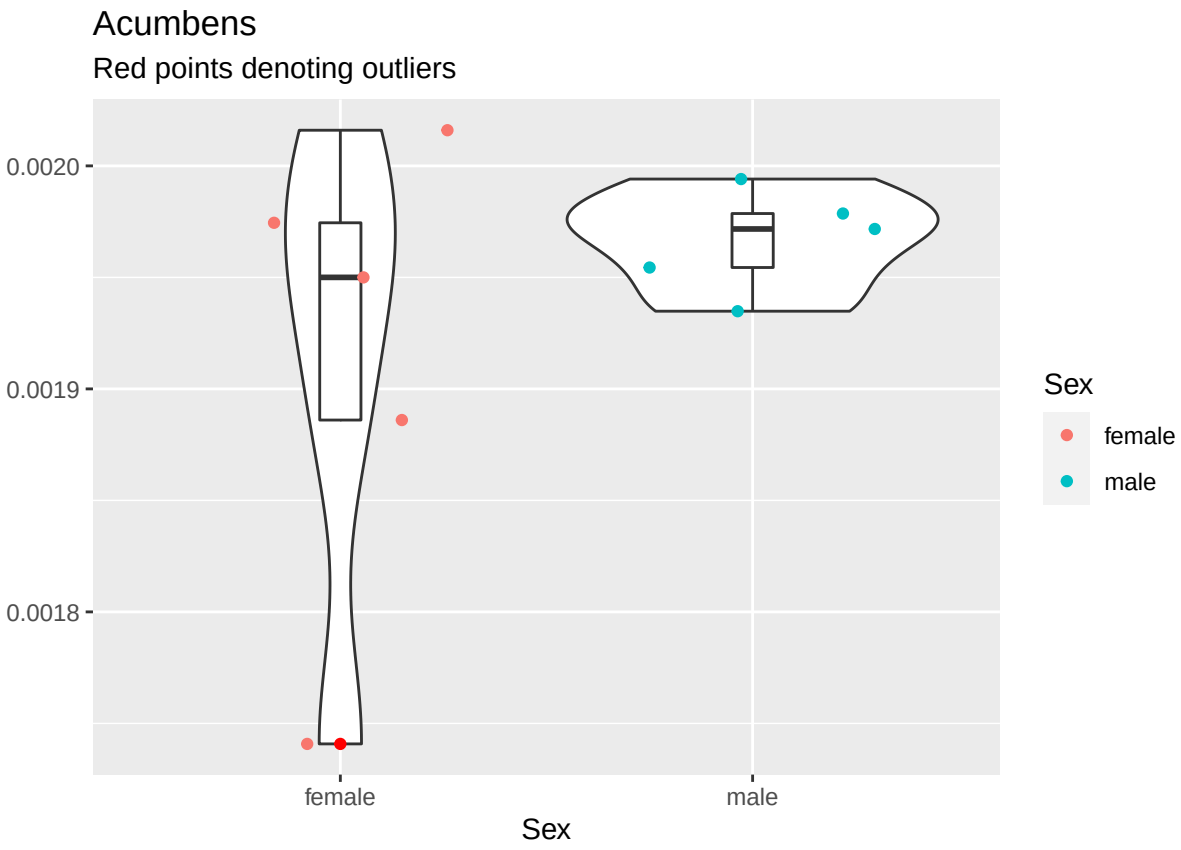

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.940e-09 5.940e-09   3.816 0.0865 .
## Residuals    8 1.245e-08 1.557e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



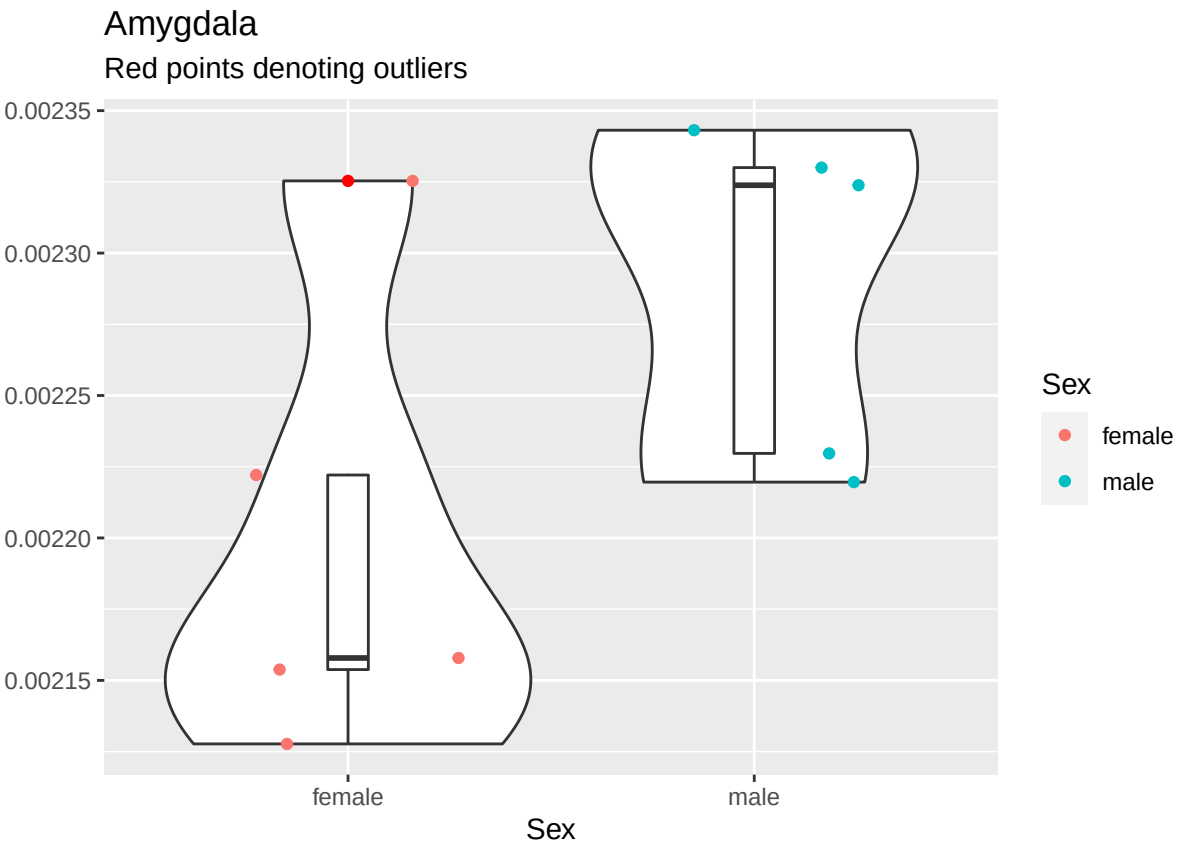

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 6.274e-08 6.274e-08   1.615  0.239
## Residuals    8 3.107e-07 3.884e-08
```



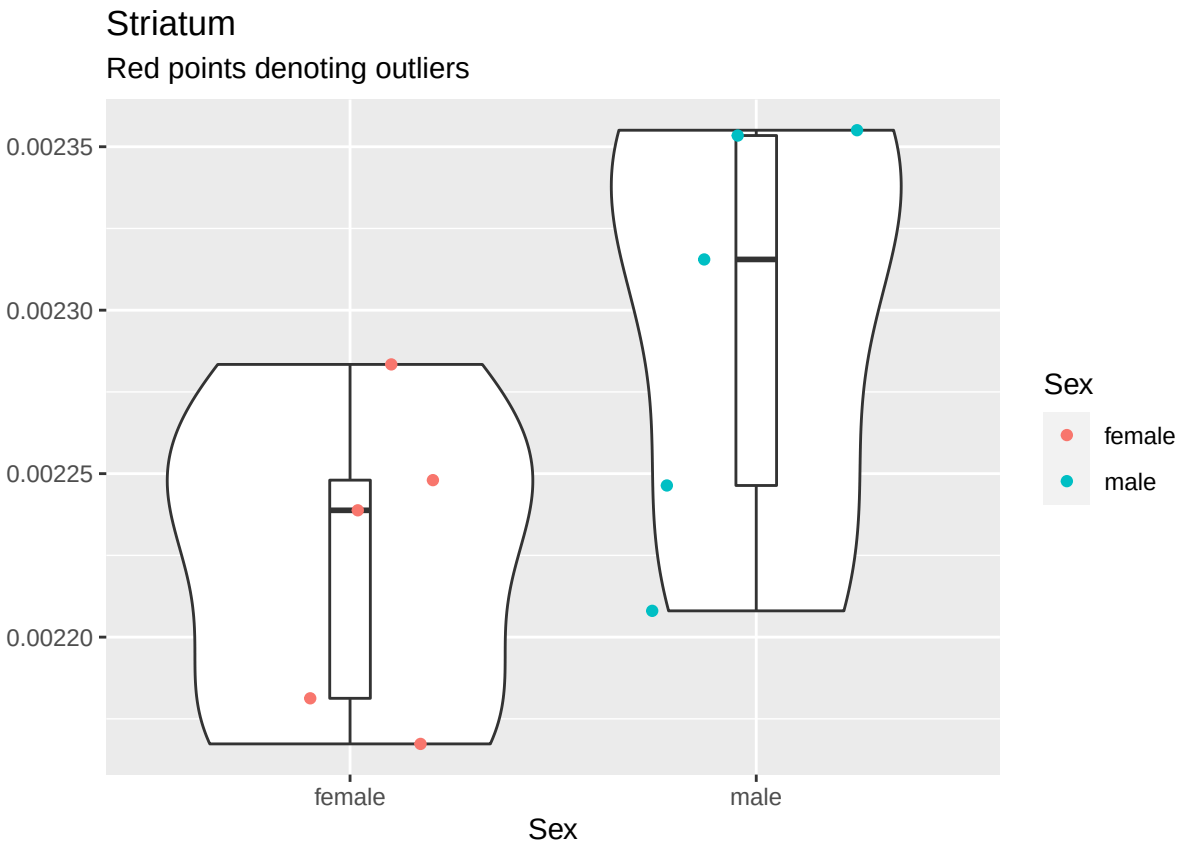

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.370e-09 5.370e-09   1.099  0.325
## Residuals    8 3.909e-08 4.886e-09
```



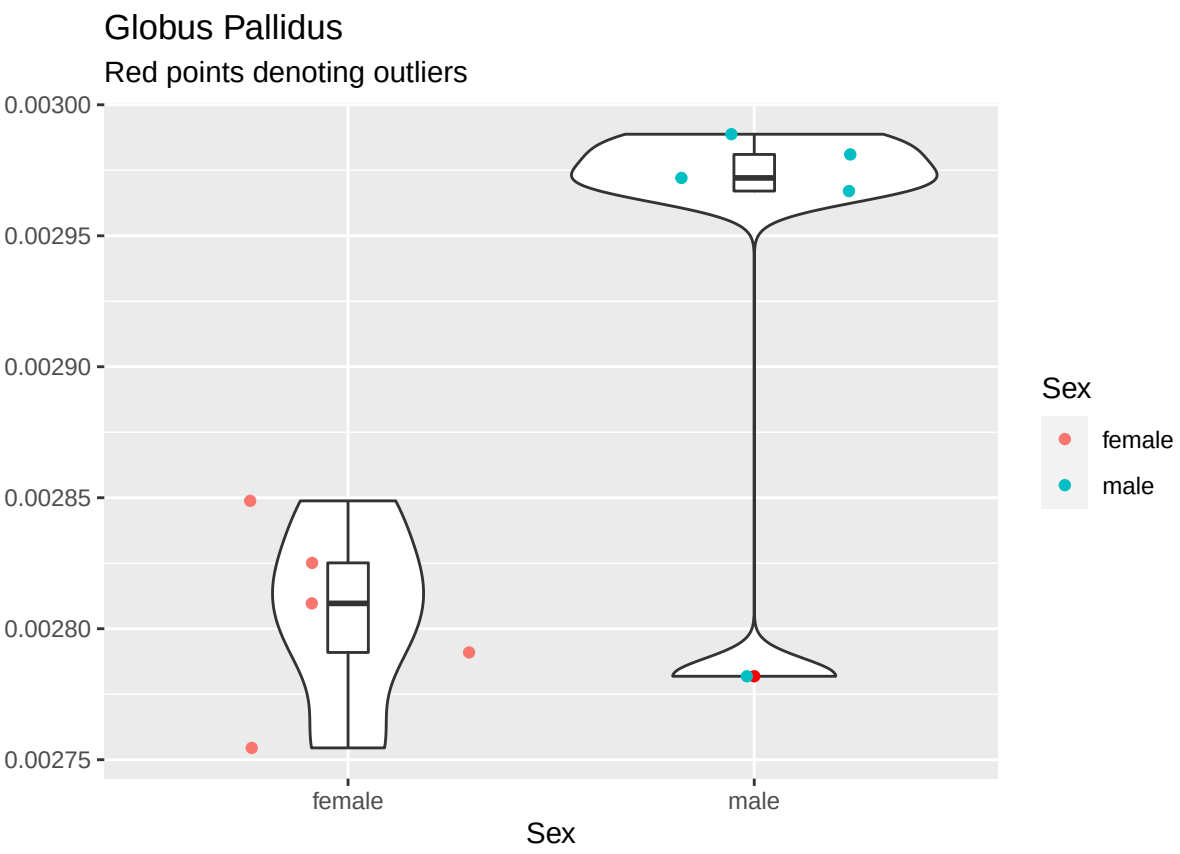

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 7.100e-09 7.096e-09   1.177   0.31
## Residuals    8 4.822e-08 6.027e-09
```



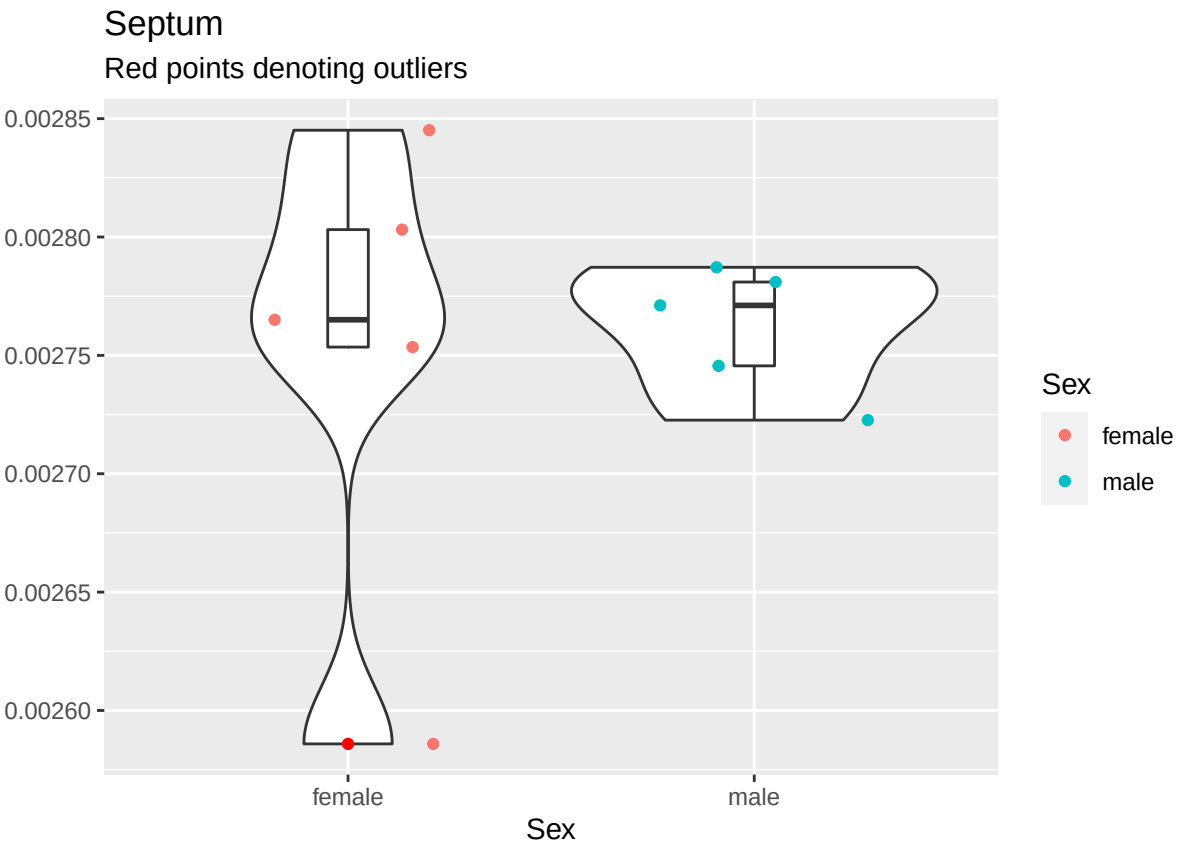

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.111e-08 2.111e-08    4.28 0.0724 .
## Residuals    8 3.946e-08 4.932e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



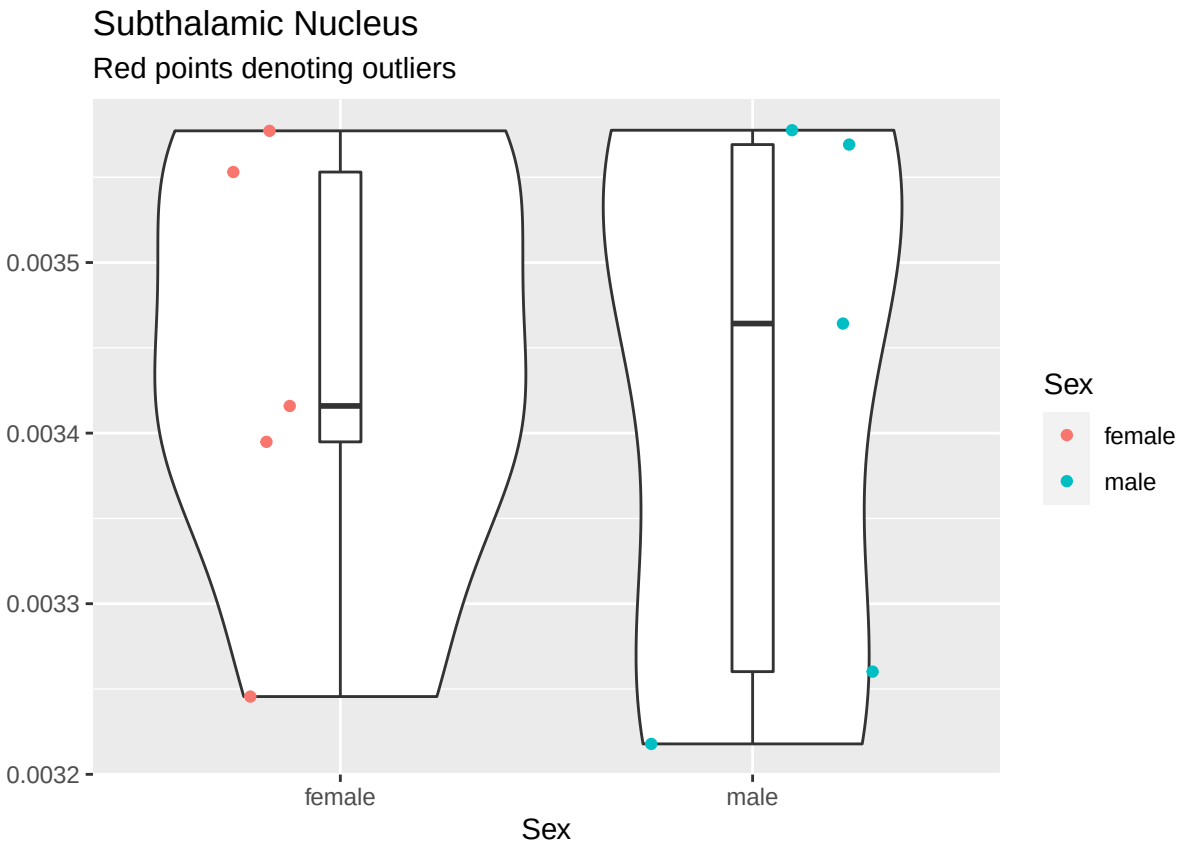

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.293e-08 1.293e-08    3.87 0.0847 .
## Residuals    8 2.673e-08 3.341e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



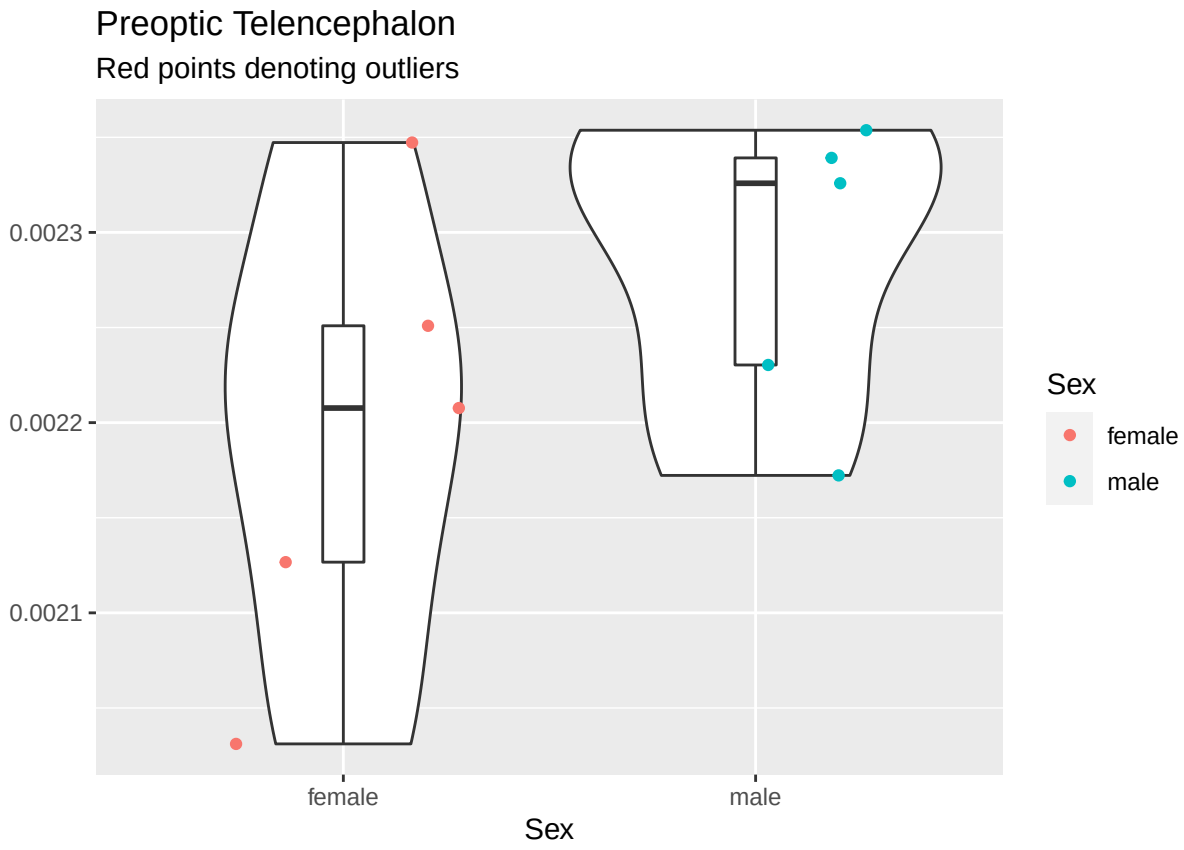

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.379e-08 4.379e-08   9.756 0.0142 *
## Residuals    8 3.591e-08 4.490e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



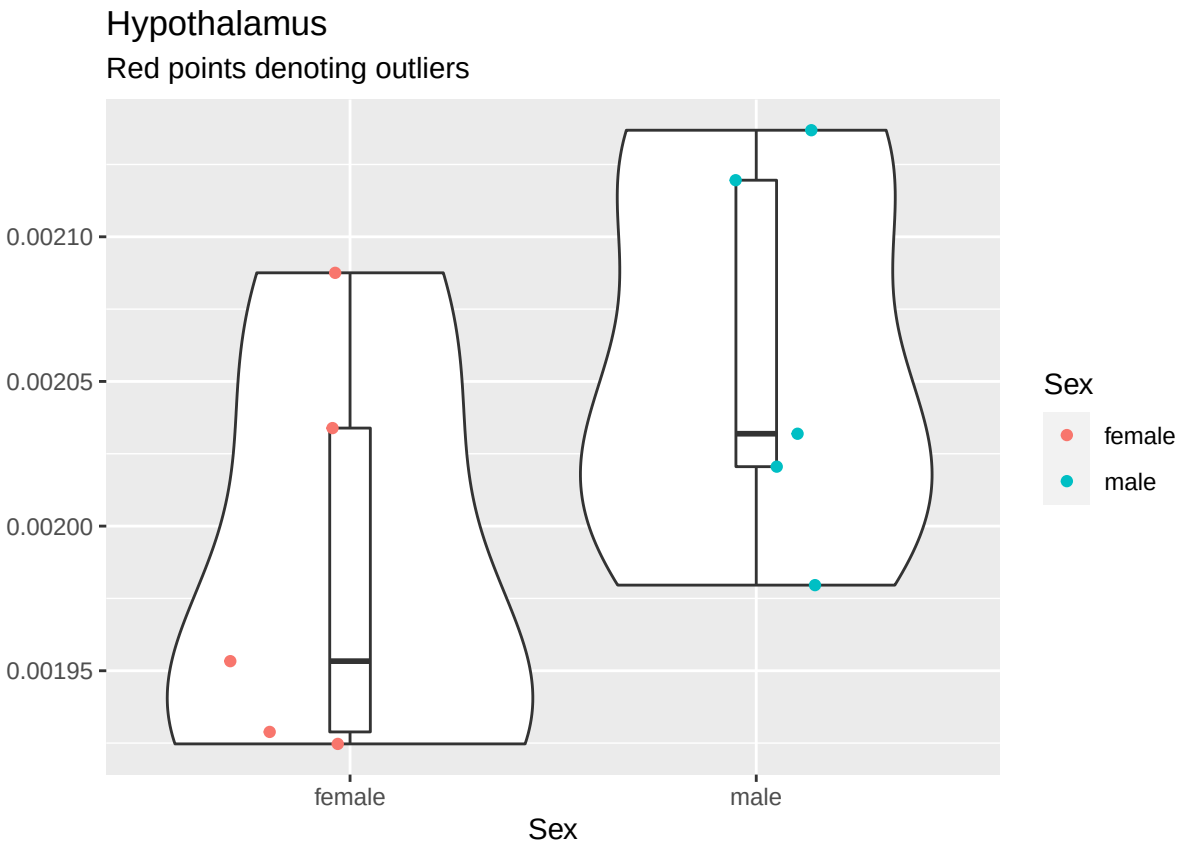

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.000e-10 3.010e-10   0.057  0.817
## Residuals    8 4.194e-08 5.242e-09
```



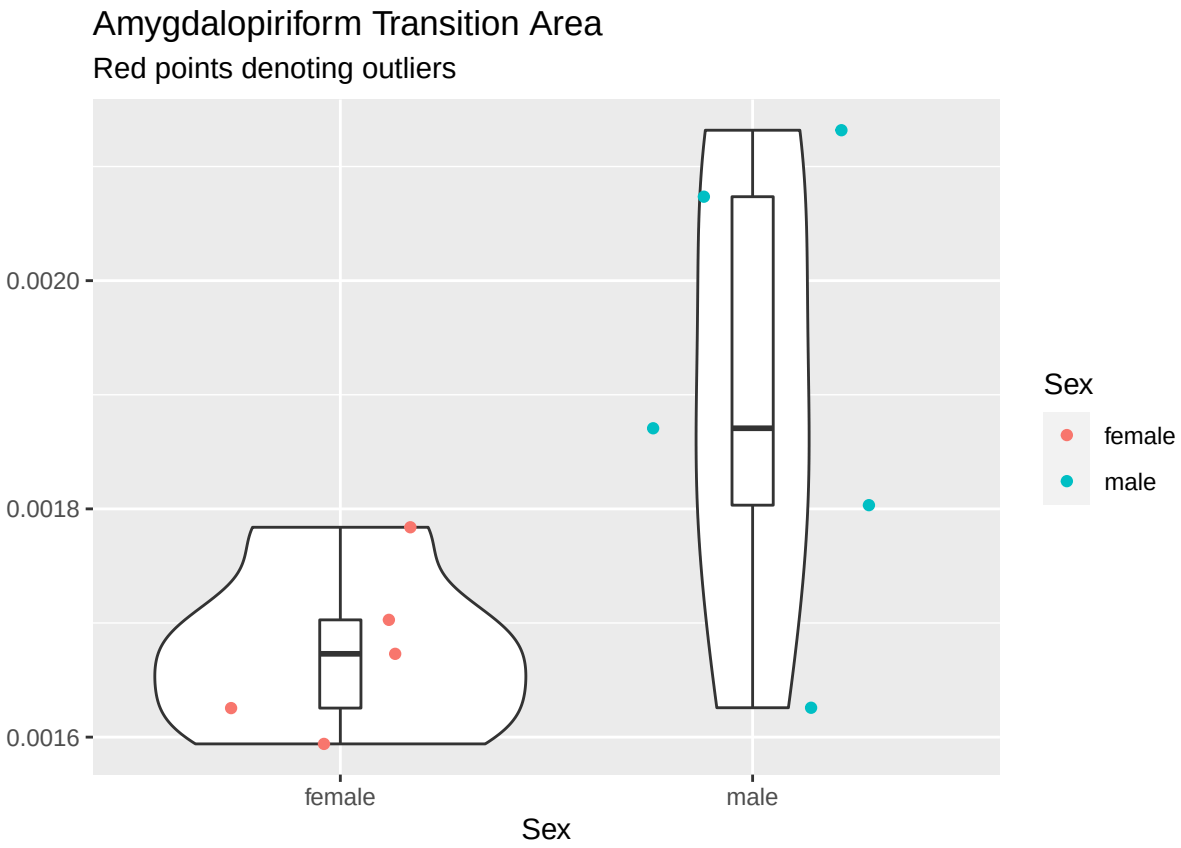

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 9.500e-10 9.540e-10   0.041  0.845
## Residuals     8 1.874e-07 2.342e-08
```



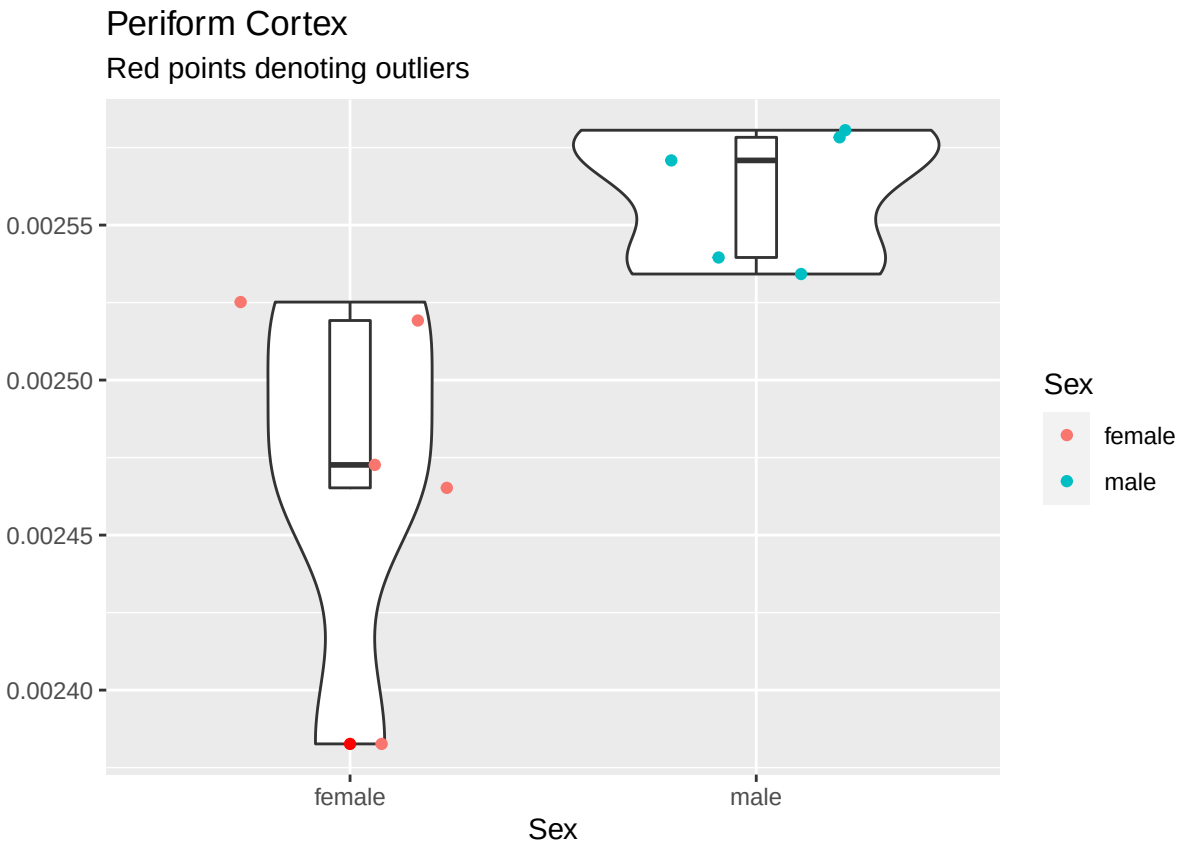

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.095e-08 2.095e-08    2.02  0.193
## Residuals    8 8.300e-08 1.038e-08
```



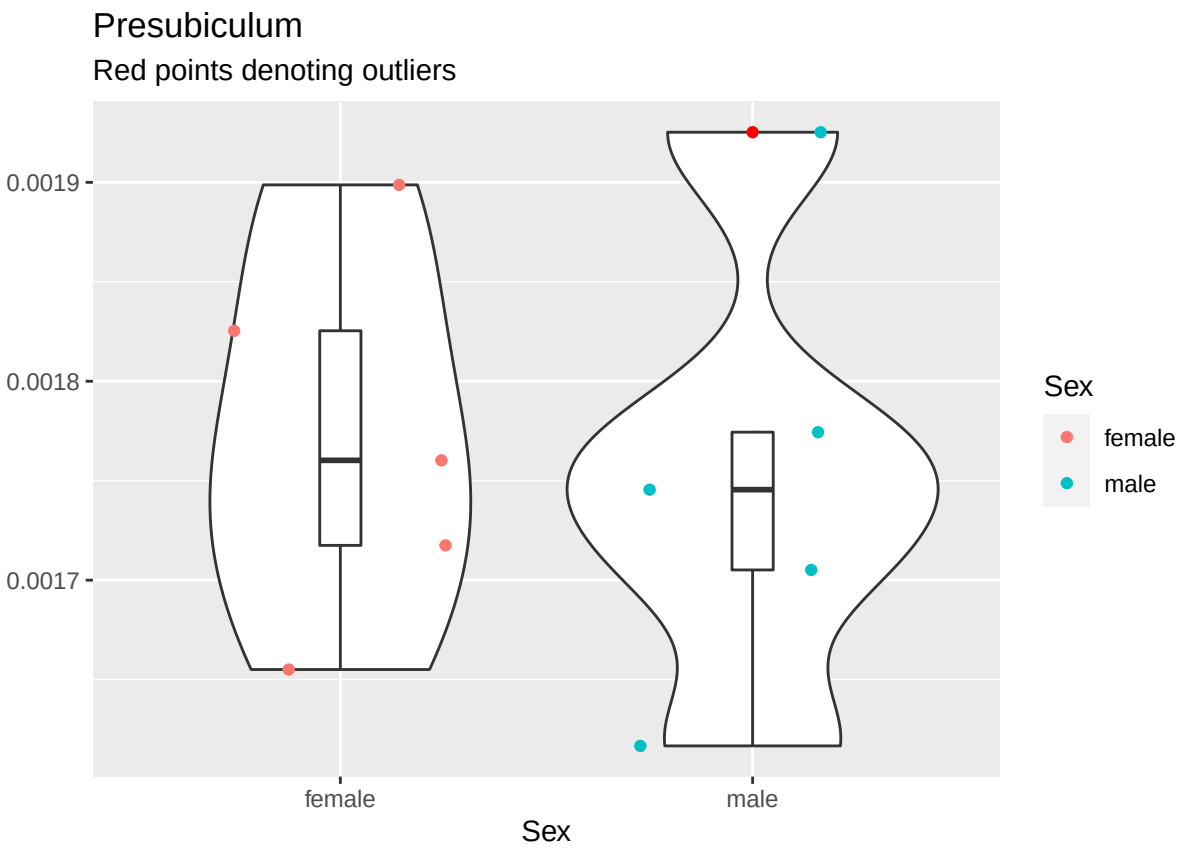

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.297e-08 1.297e-08   2.666  0.141
## Residuals    8 3.893e-08 4.866e-09
```



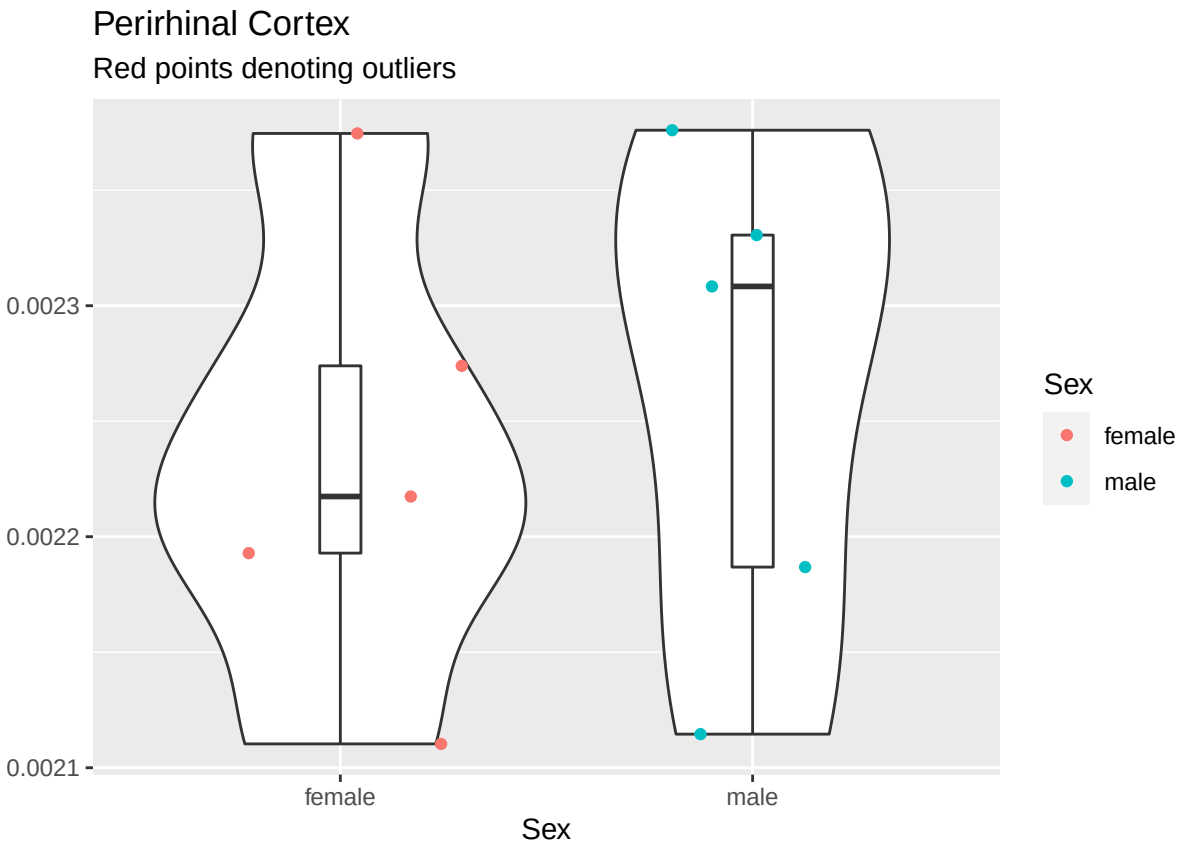

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.268e-07 1.268e-07   5.311 0.0501 .
## Residuals    8 1.909e-07 2.387e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



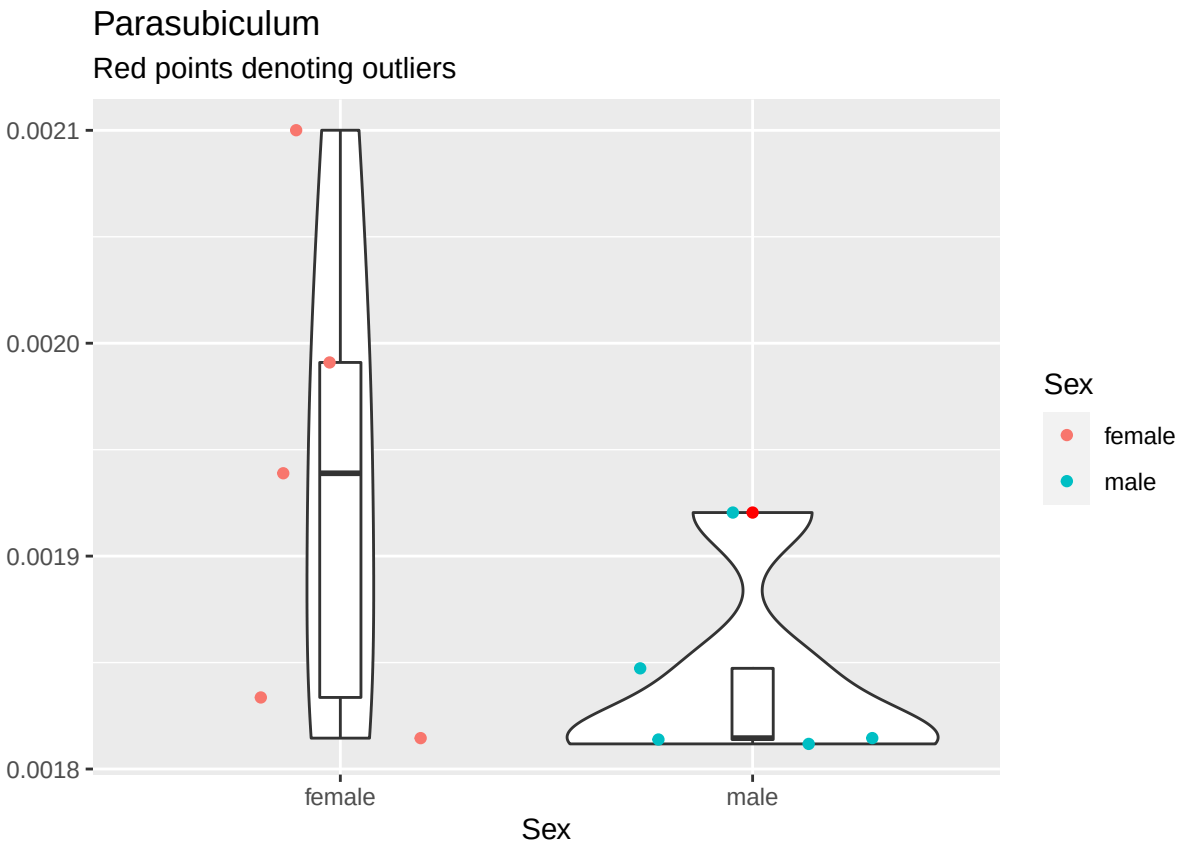

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.924e-08 1.924e-08   10.23 0.0126 *
## Residuals    8 1.504e-08 1.880e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



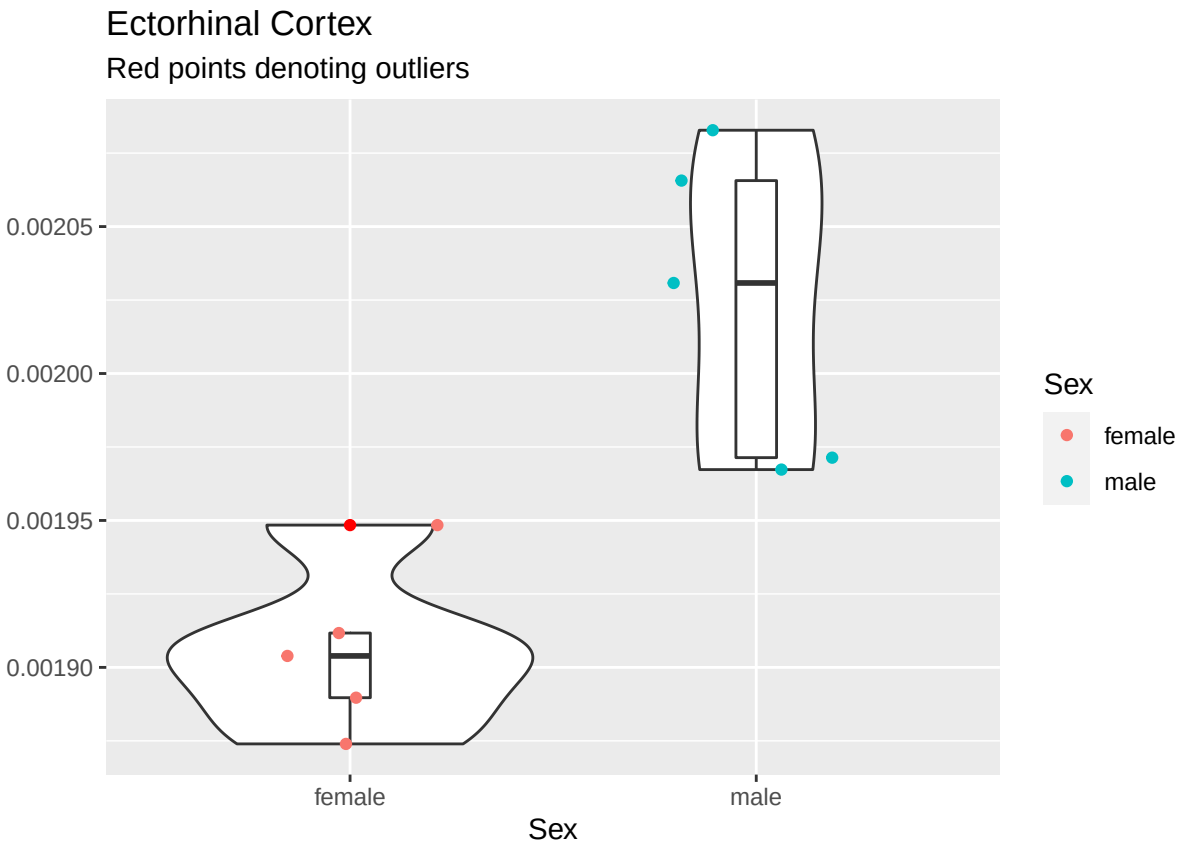

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 8.100e-10 8.100e-10   0.075  0.792
## Residuals    8 8.674e-08 1.084e-08
```



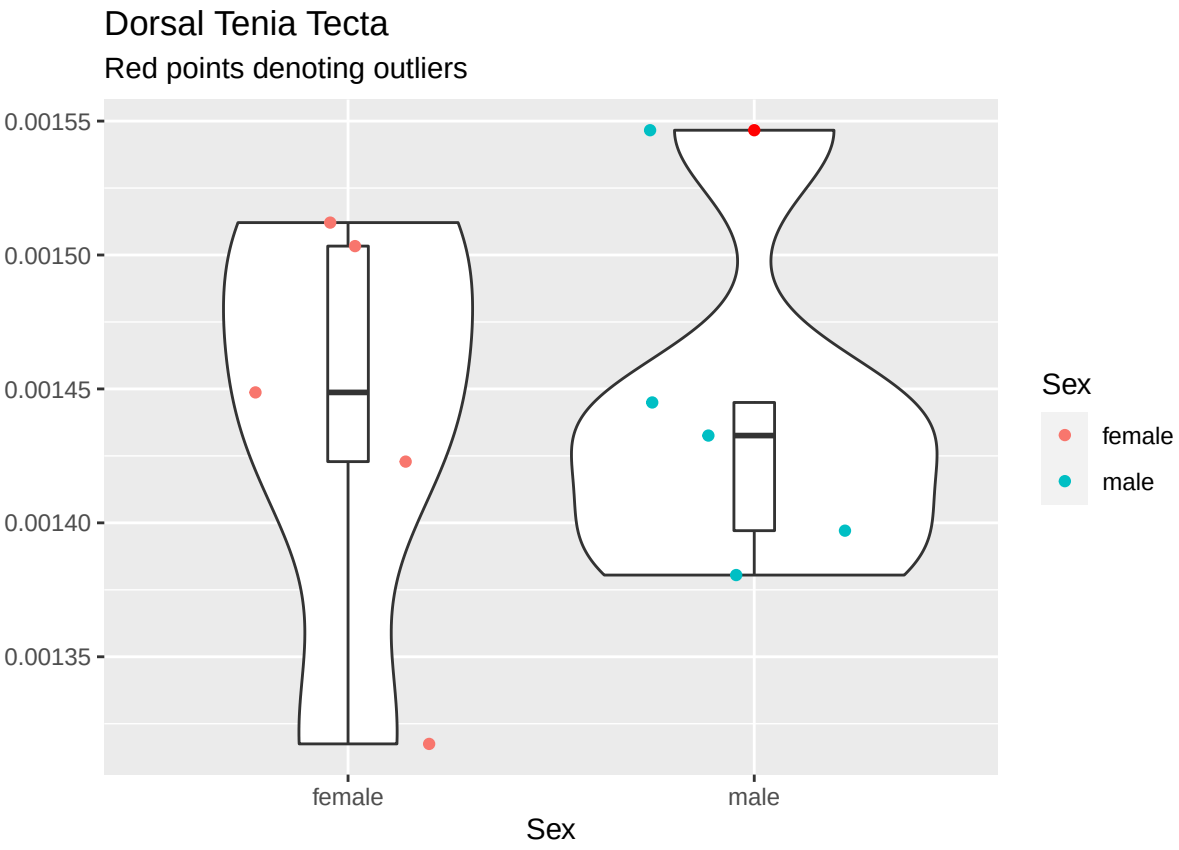

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.160e-09 2.165e-09   0.202  0.665
## Residuals    8 8.584e-08 1.073e-08
```



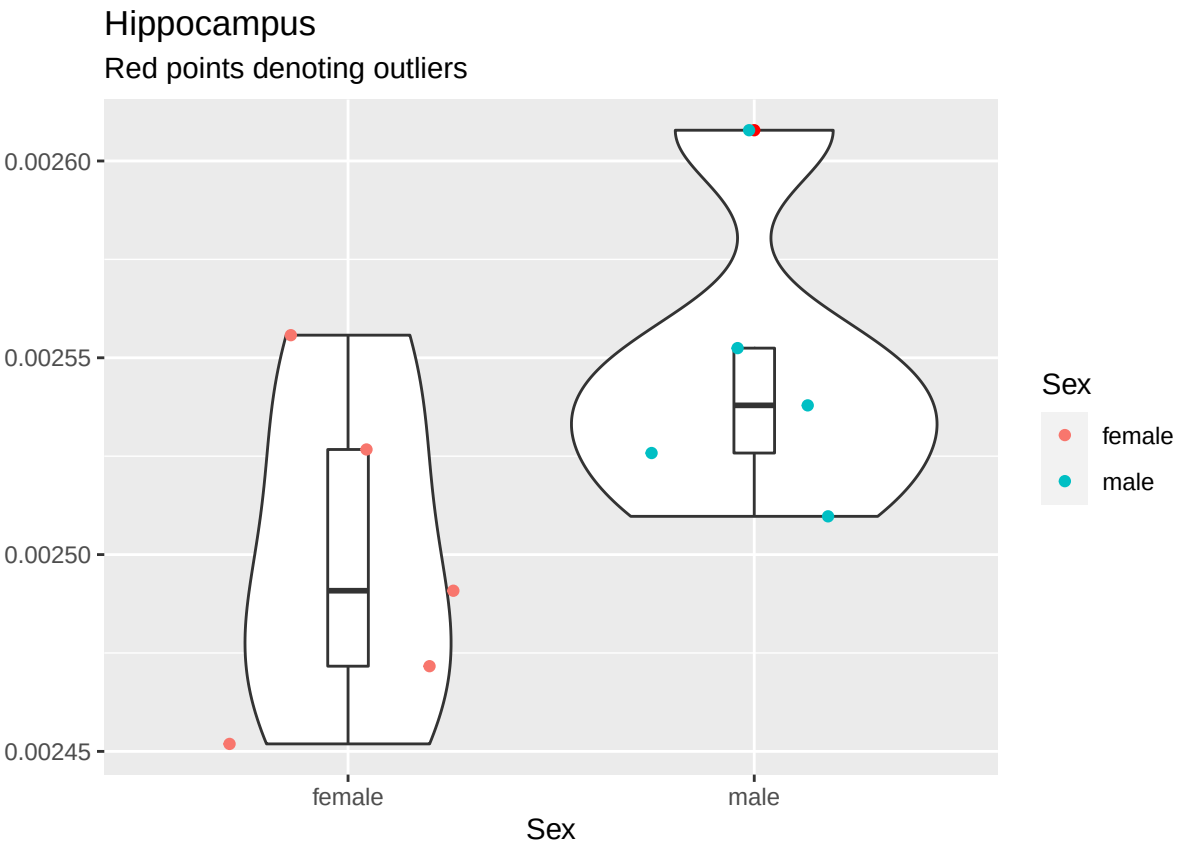

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.210e-08 2.210e-08    2.77  0.135
## Residuals    8 6.383e-08 7.979e-09
```



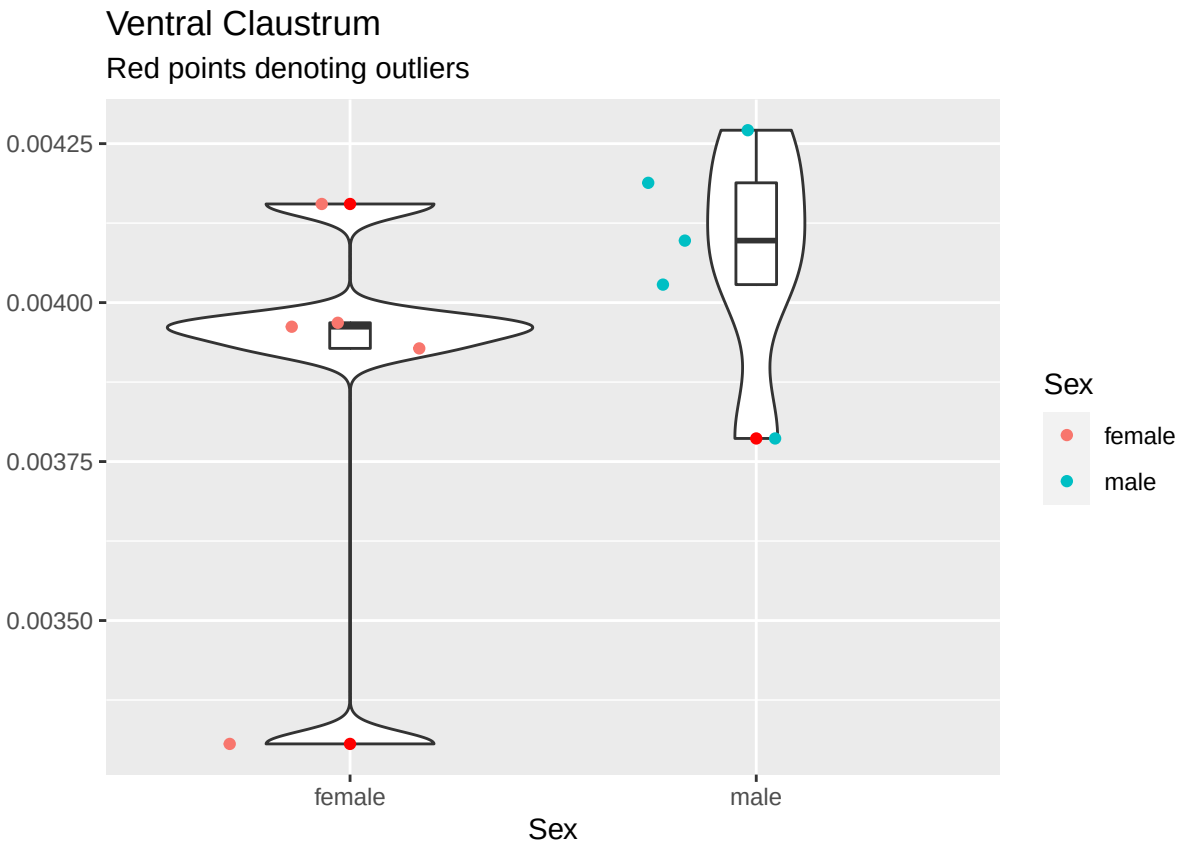

```
##             Df    Sum Sq   Mean Sq F value  Pr(>F)
## Sex          1 3.484e-08 3.484e-08   19.43 0.00226 **
## Residuals    8 1.435e-08 1.790e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



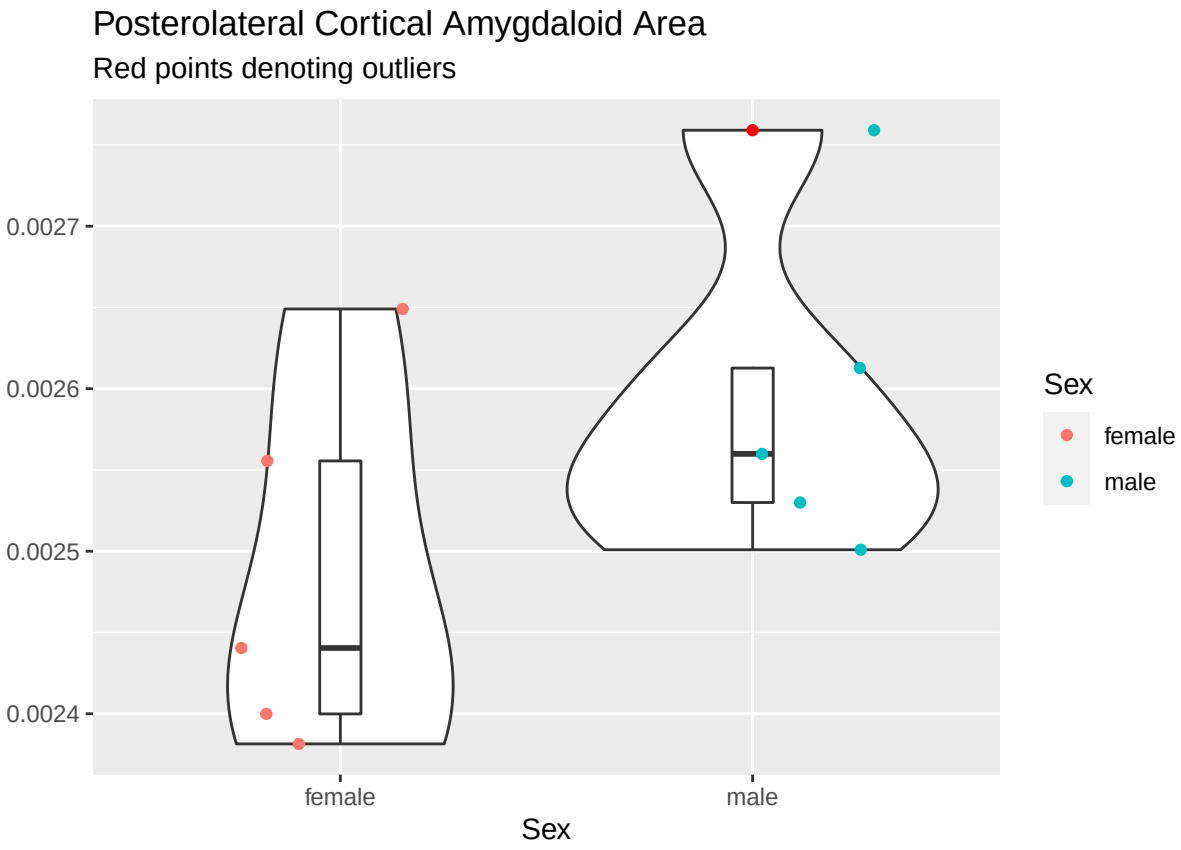

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 0.000e+00 1.000e-12       0  0.991
## Residuals    8 4.141e-08 5.176e-09
```



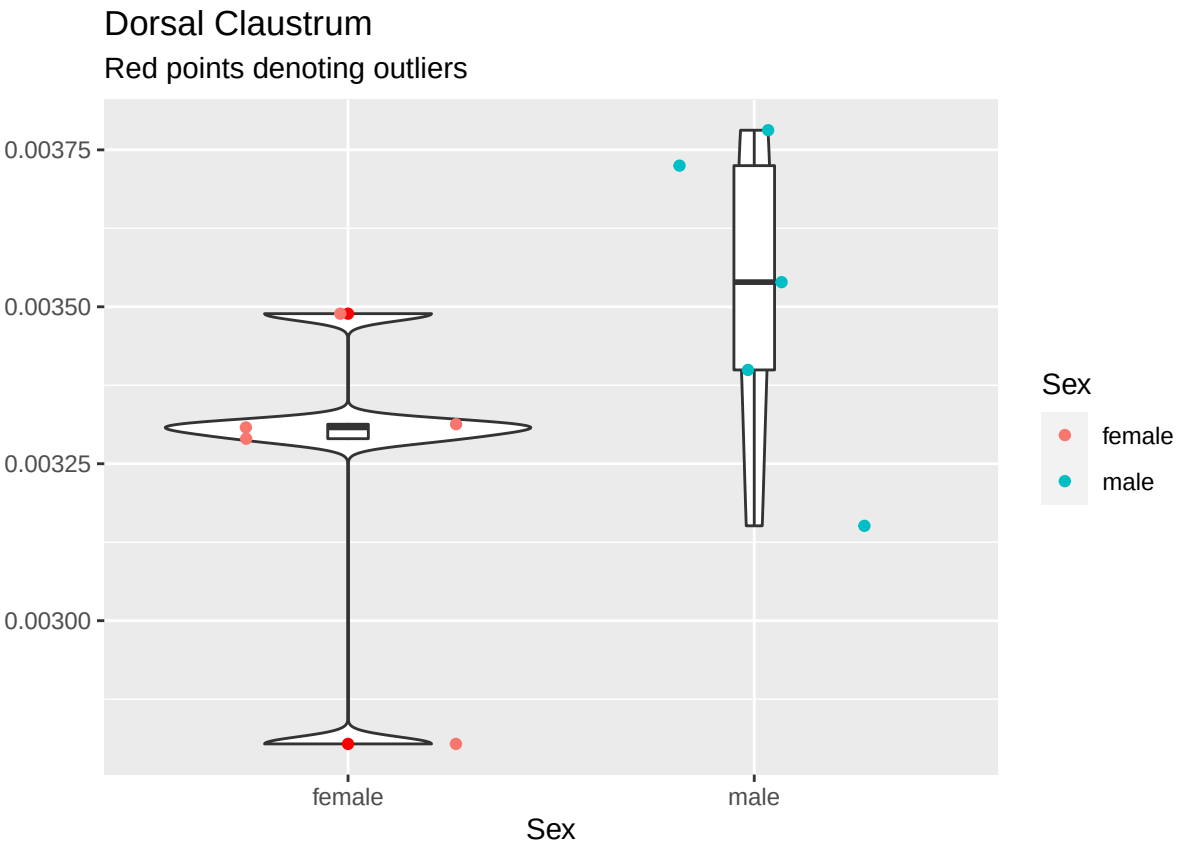

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.612e-09 5.612e-09   3.543 0.0966 .
## Residuals    8 1.267e-08 1.584e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



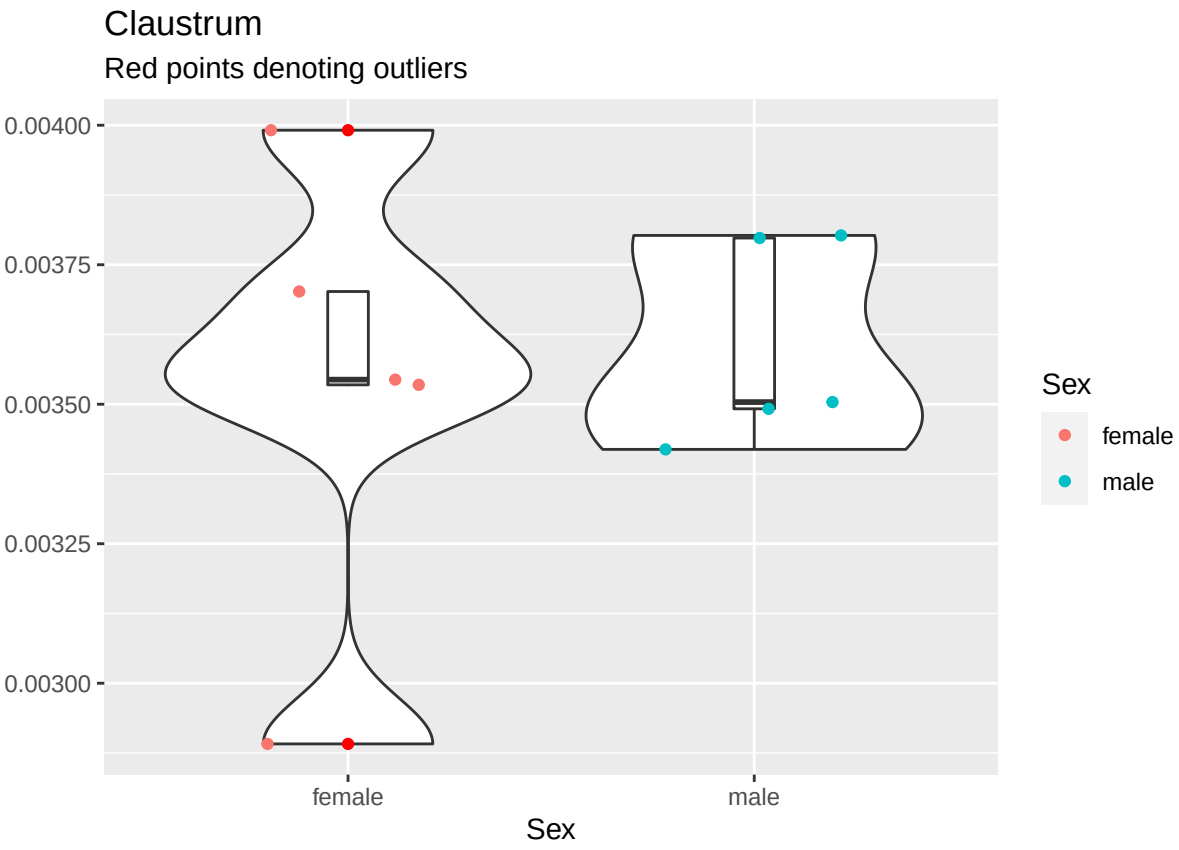

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 1.107e-07 1.107e-07   1.587  0.243
## Residuals     8 5.580e-07 6.975e-08
```



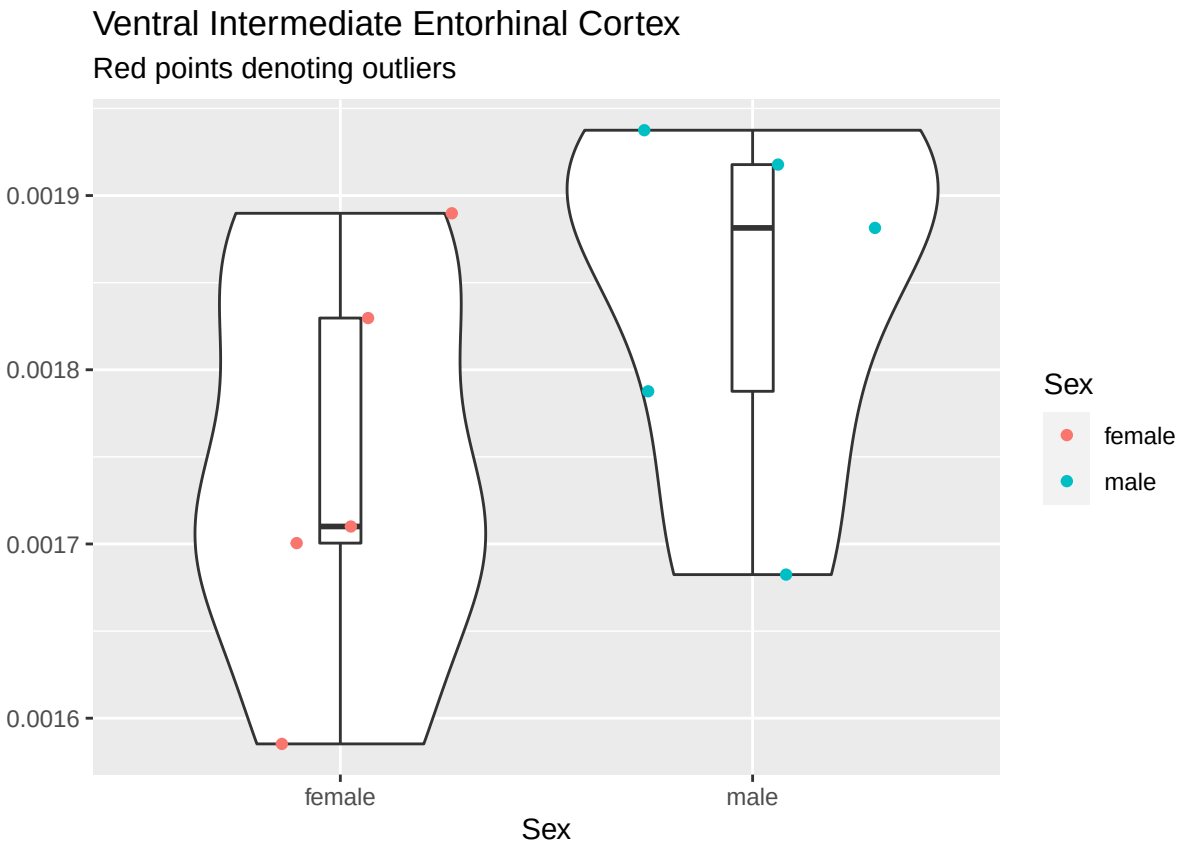

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.874e-08 2.874e-08   2.463  0.155
## Residuals    8 9.336e-08 1.167e-08
```



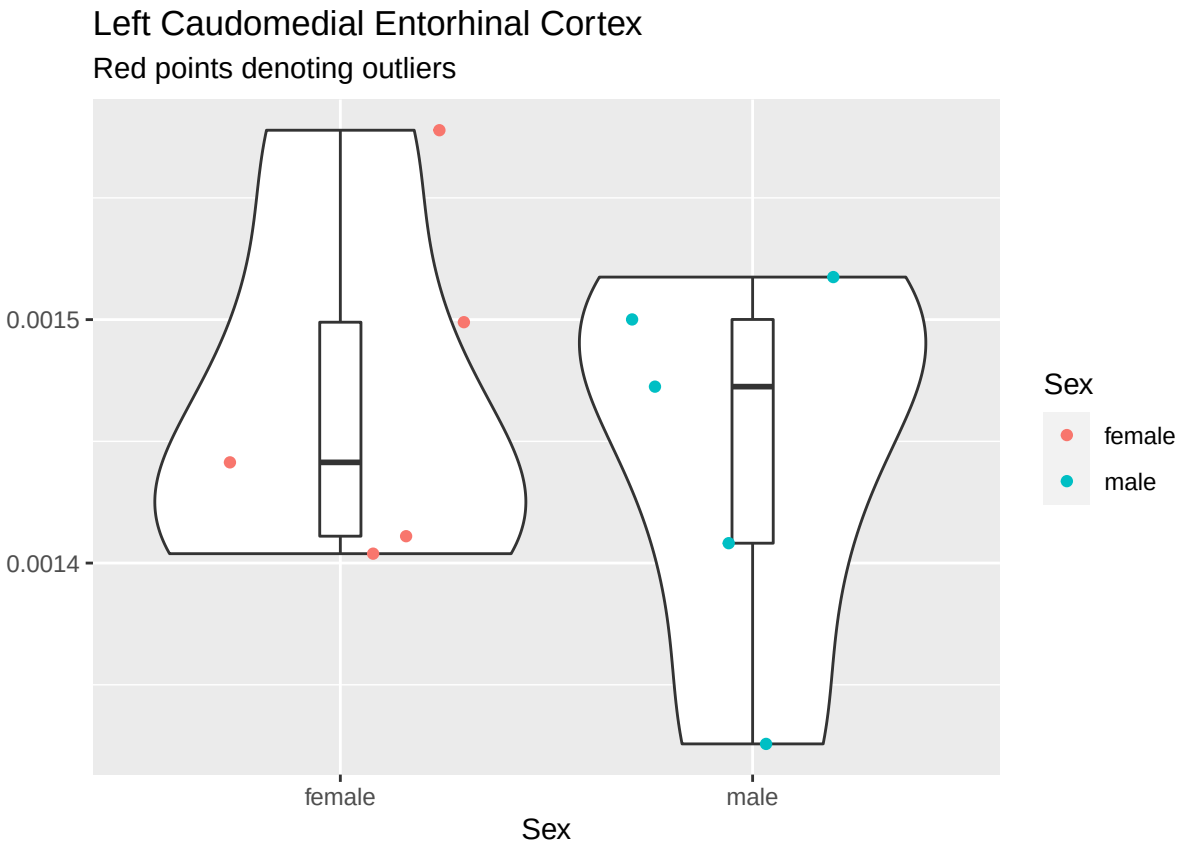

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.939e-07 1.939e-07   2.949  0.124
## Residuals    8 5.260e-07 6.575e-08
```



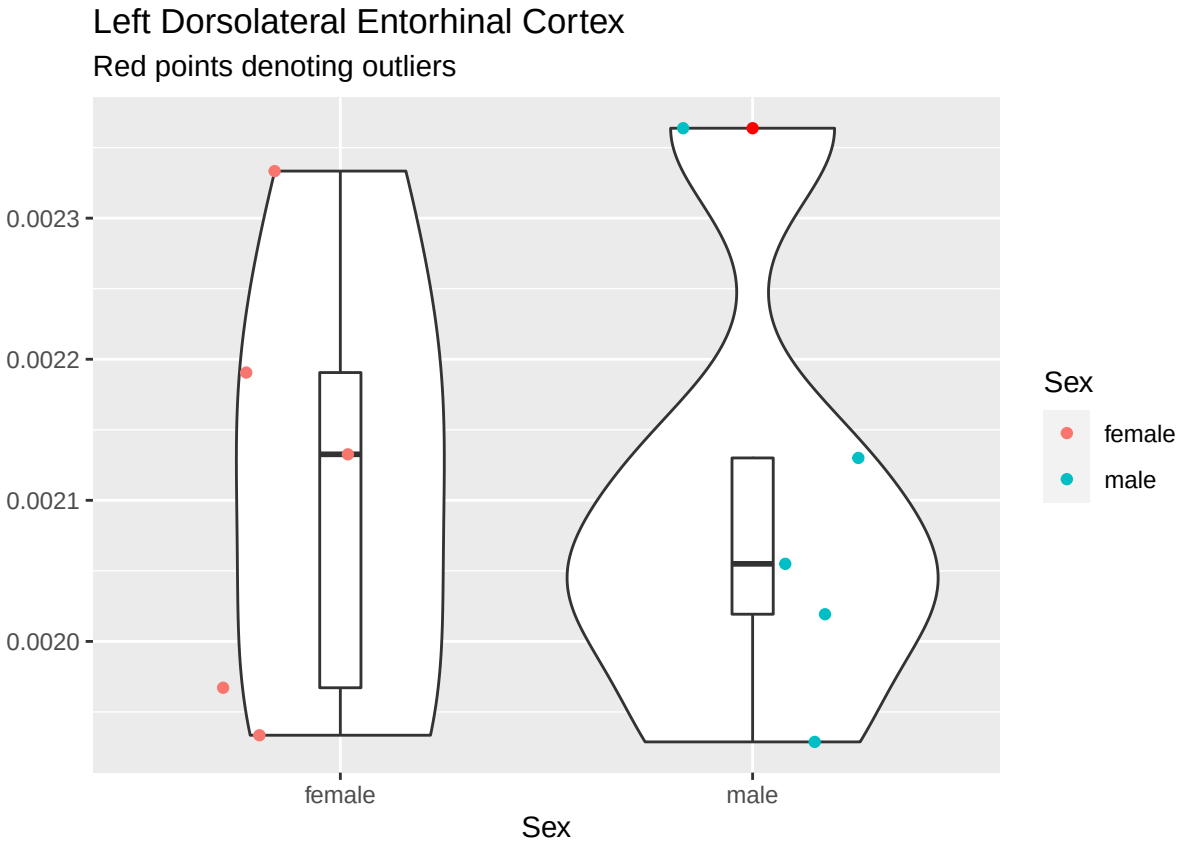

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.240e-08 1.238e-08   0.126  0.731
## Residuals    8 7.841e-07 9.801e-08
```



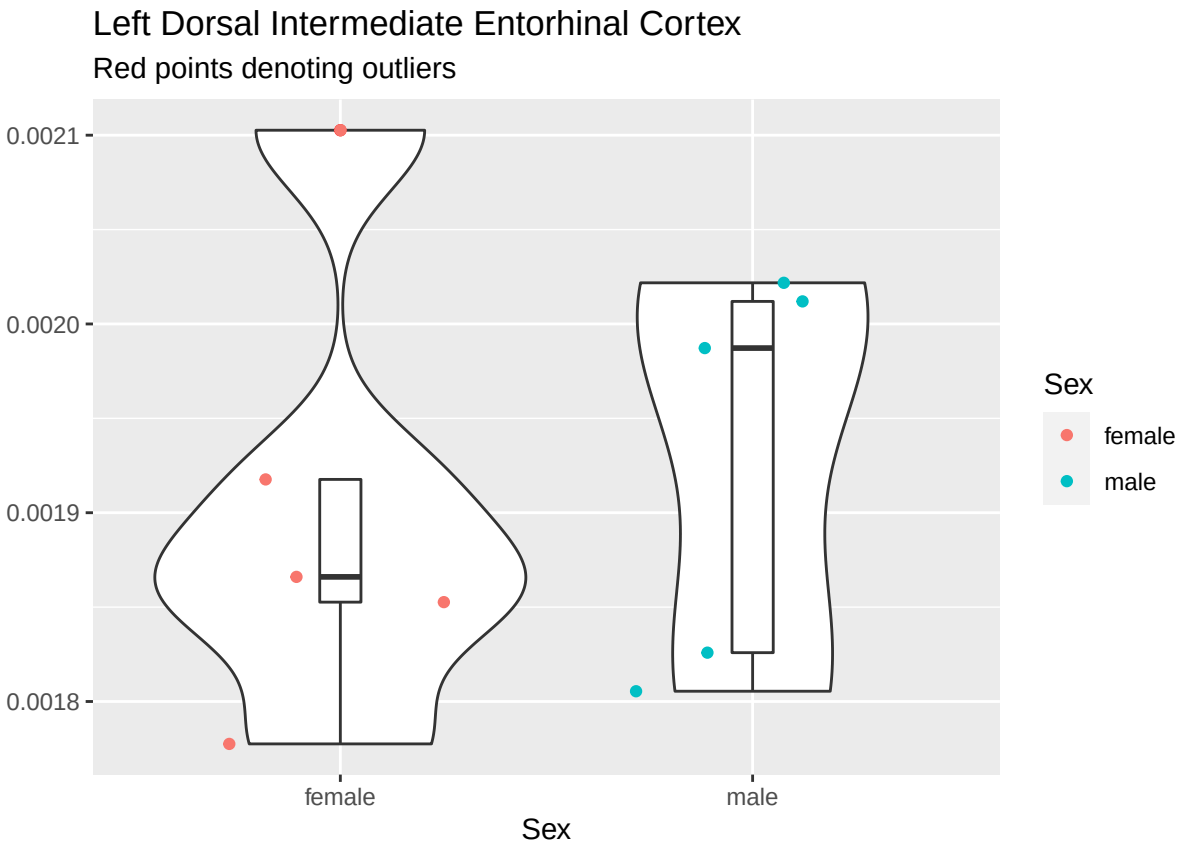

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.415e-08 2.415e-08     1.9  0.205
## Residuals    8 1.017e-07 1.271e-08
```



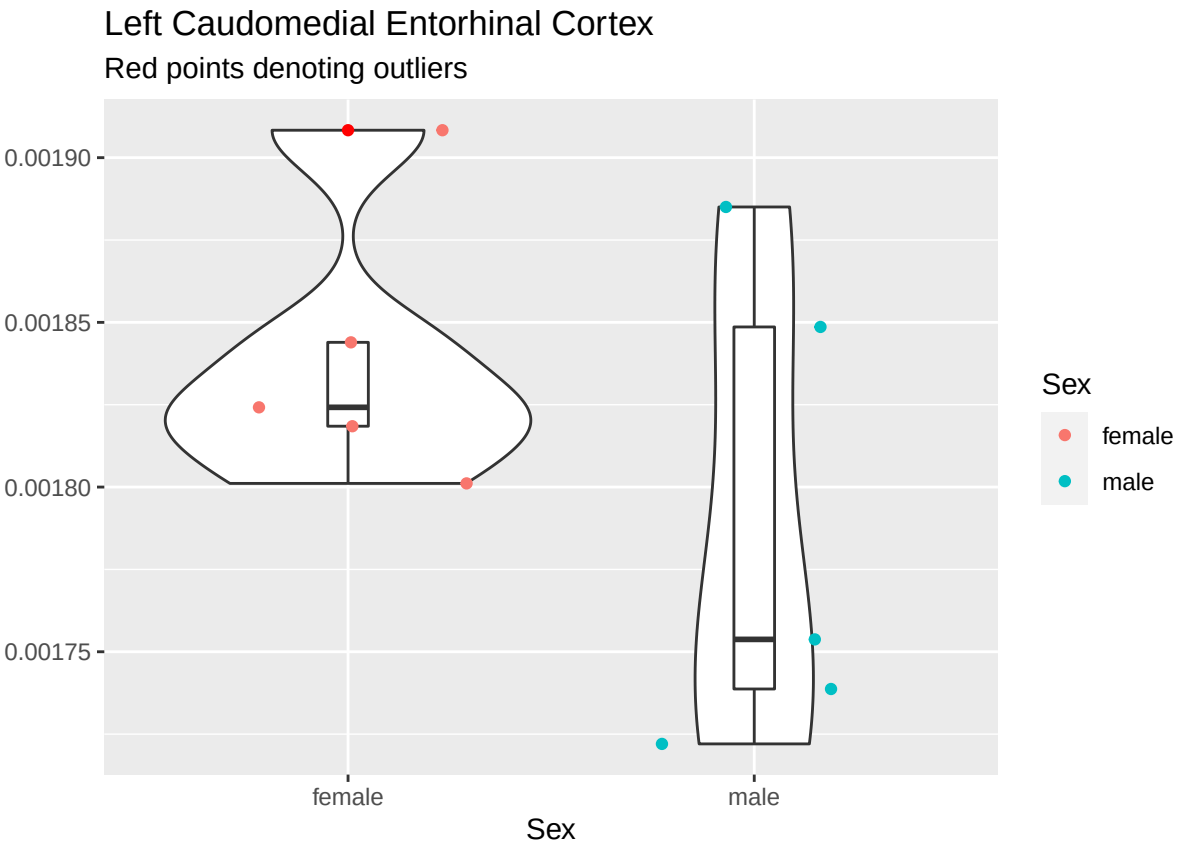

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.190e-09 1.190e-09   0.208   0.66
## Residuals    8 4.569e-08 5.711e-09
```



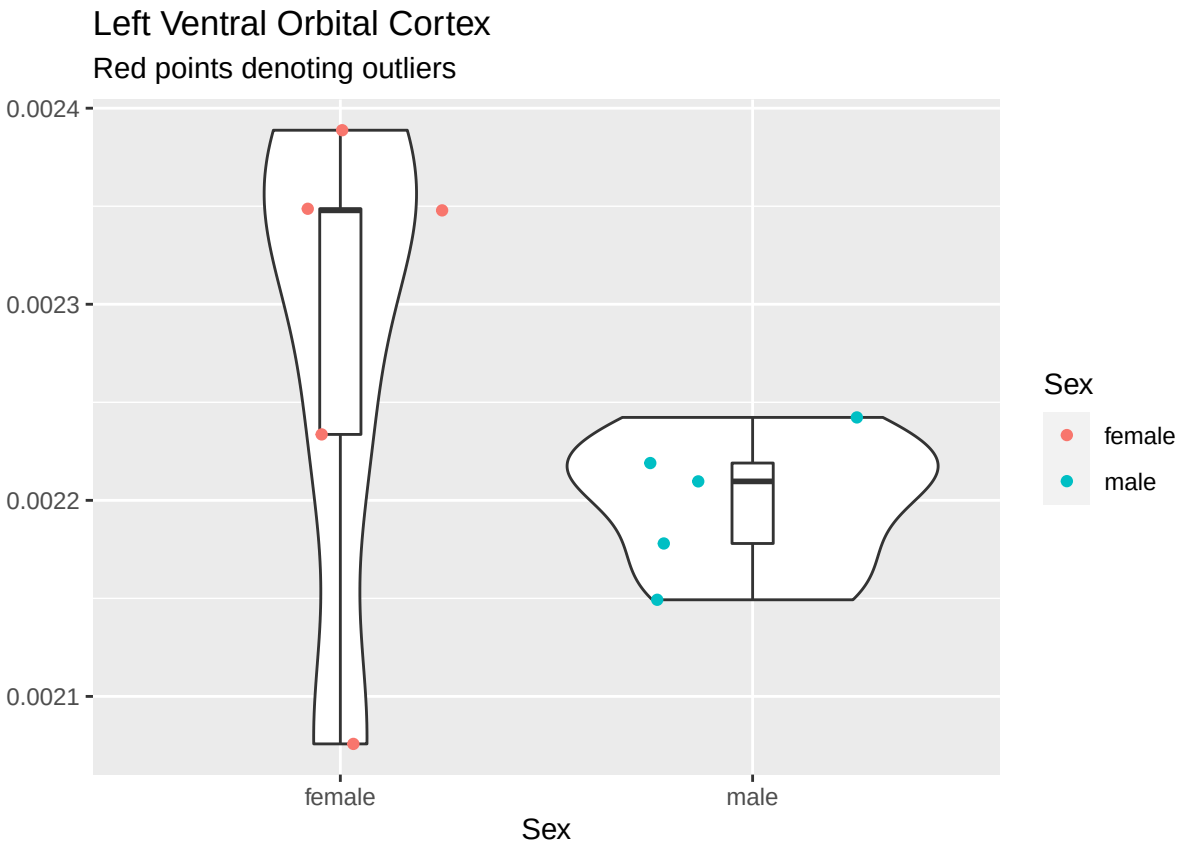

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.600e-10 3.640e-10   0.013  0.911
## Residuals    8 2.168e-07 2.709e-08
```



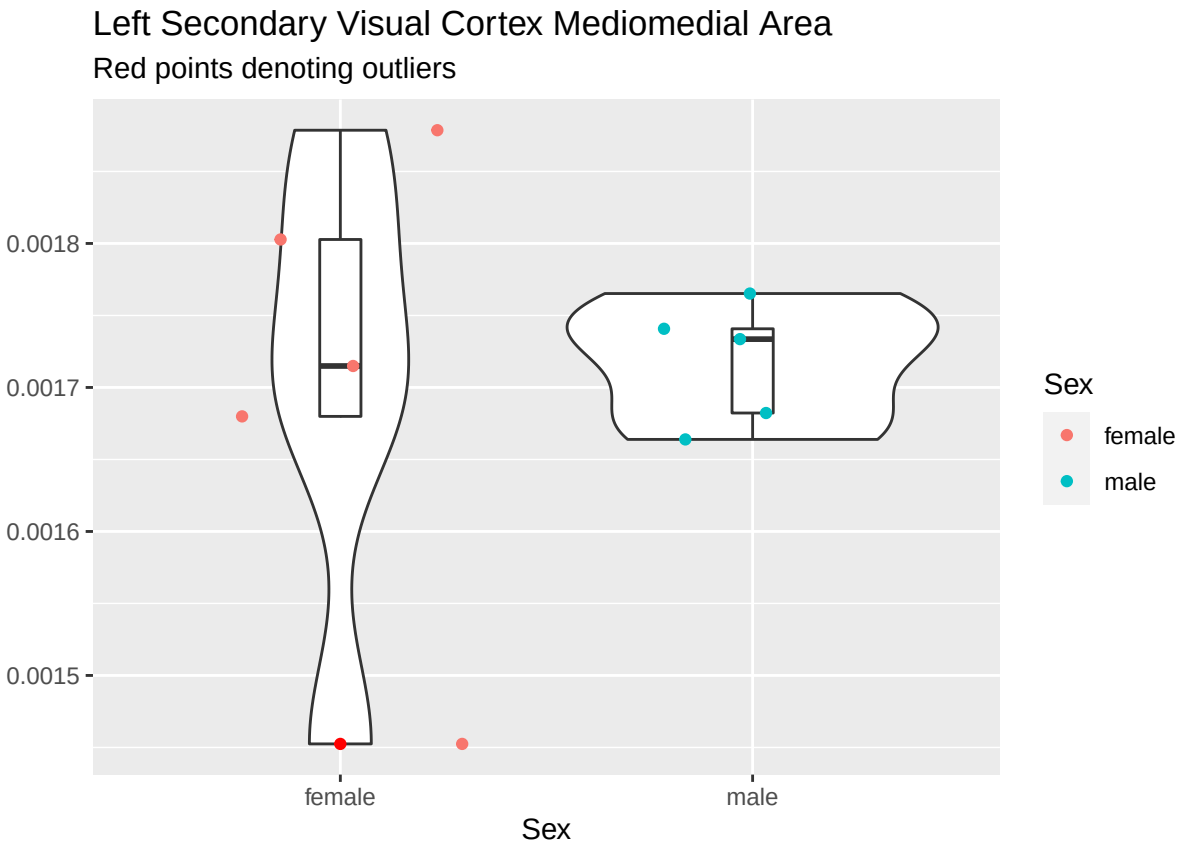

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 1.840e-09 1.844e-09   0.141  0.717
## Residuals     8 1.045e-07 1.306e-08
```



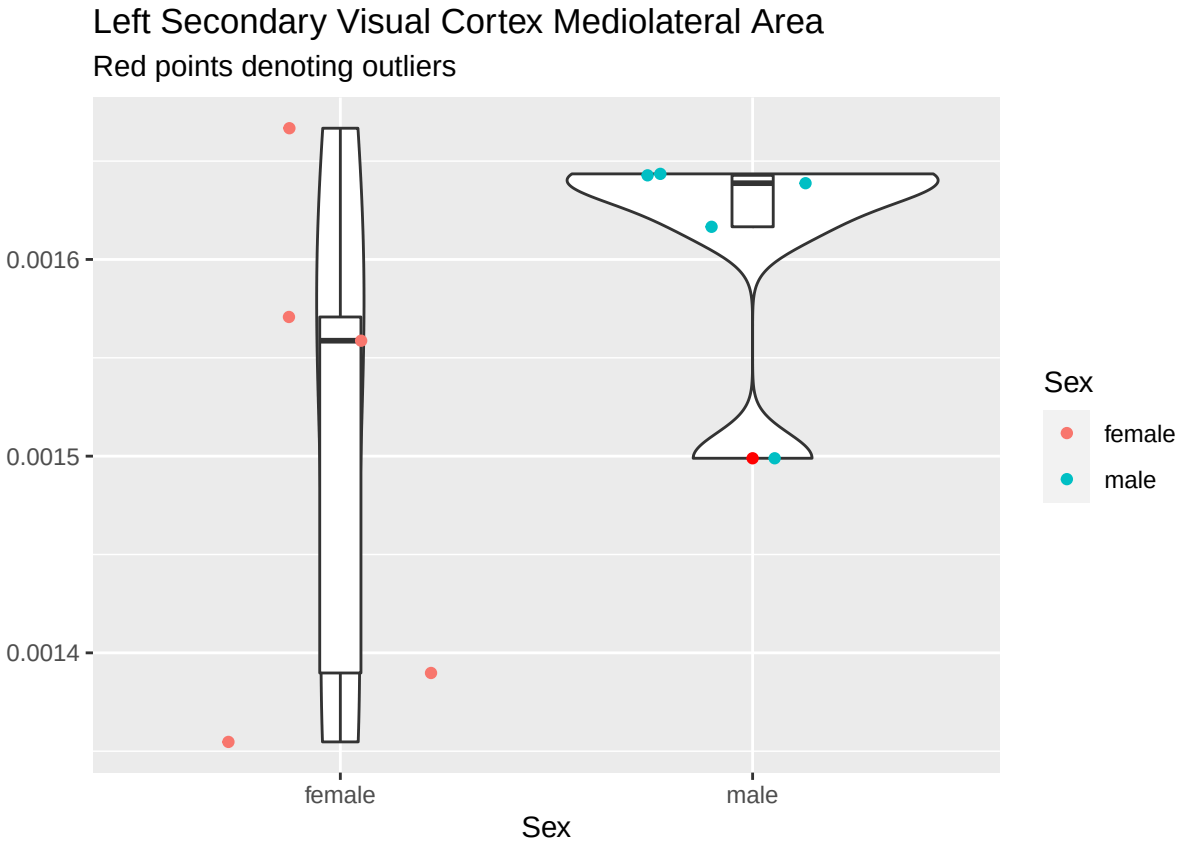

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 6.148e-09 6.148e-09    1.76  0.221
## Residuals    8 2.794e-08 3.492e-09
```



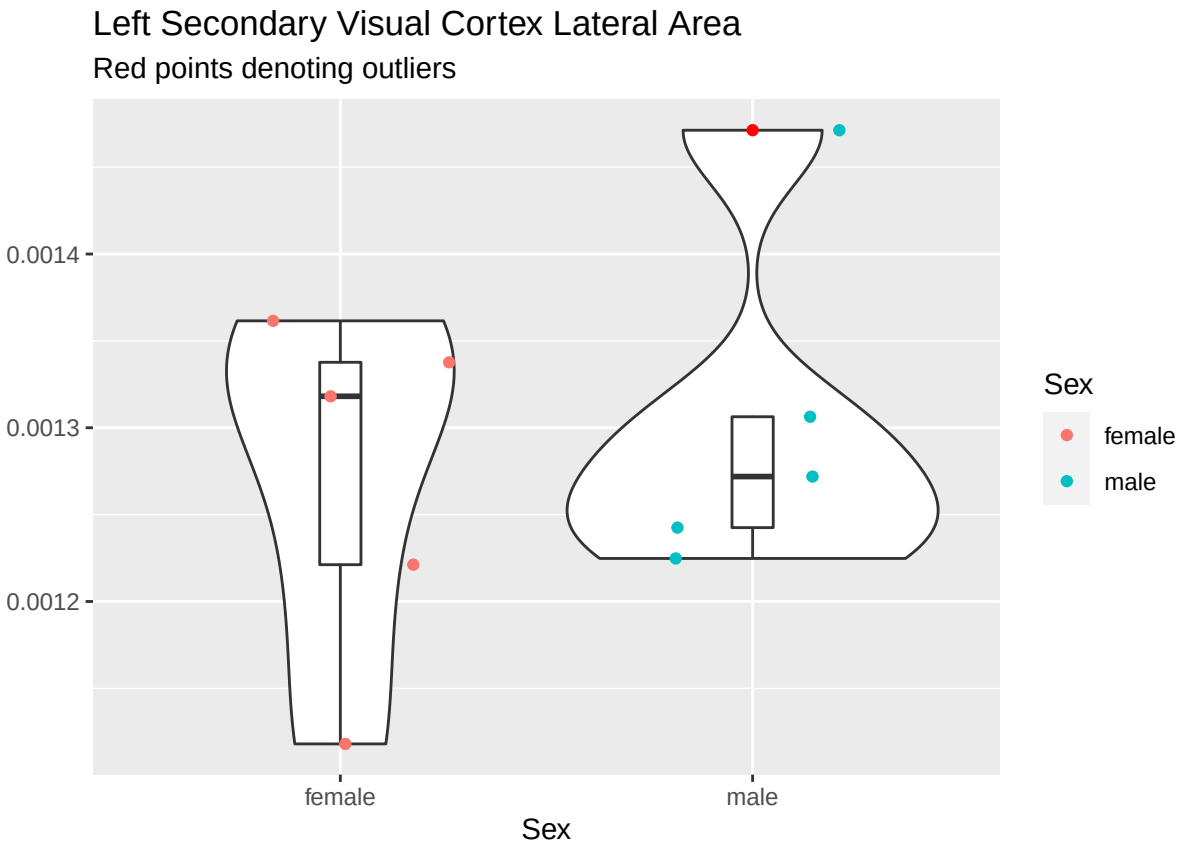

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.572e-08 1.572e-08   1.789  0.218
## Residuals    8 7.031e-08 8.789e-09
```



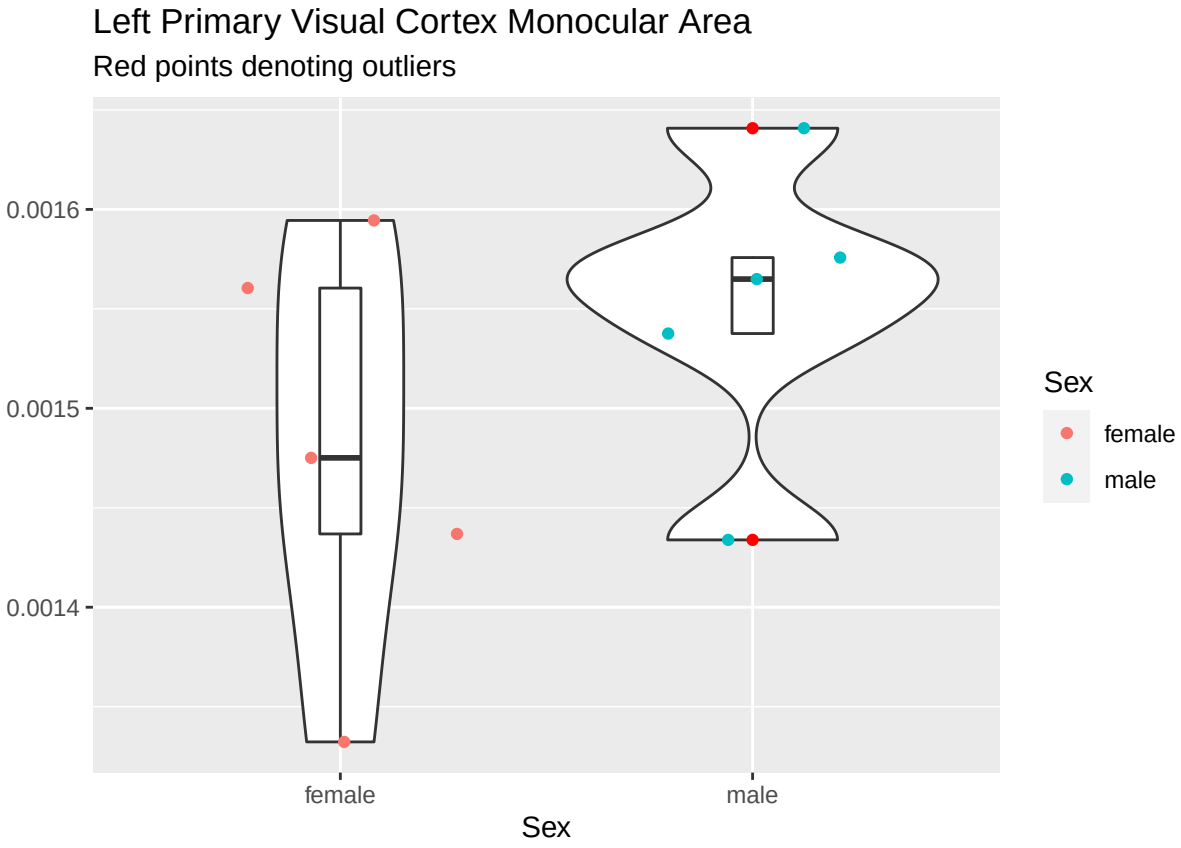

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.200e-10 3.250e-10   0.023  0.882
## Residuals    8 1.114e-07 1.393e-08
```



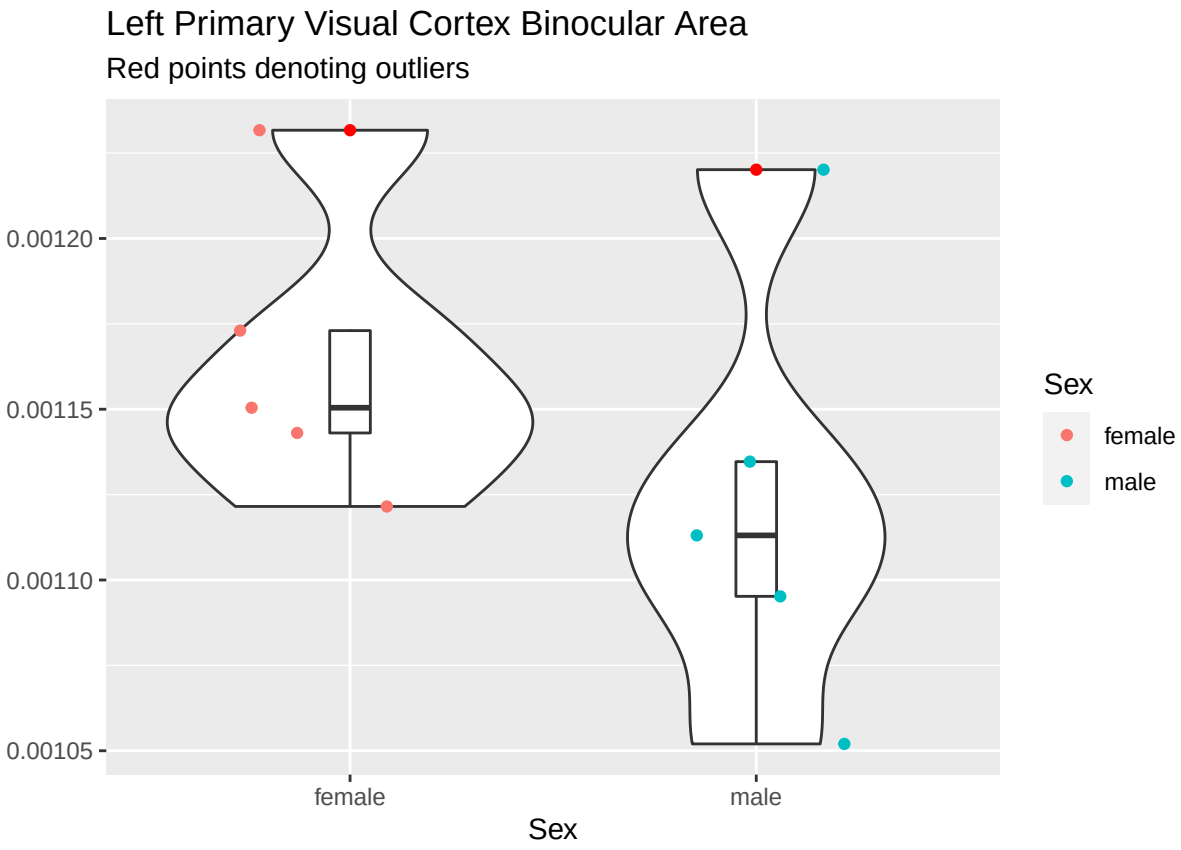

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.499e-08 2.499e-08   2.364  0.163
## Residuals    8 8.456e-08 1.057e-08
```



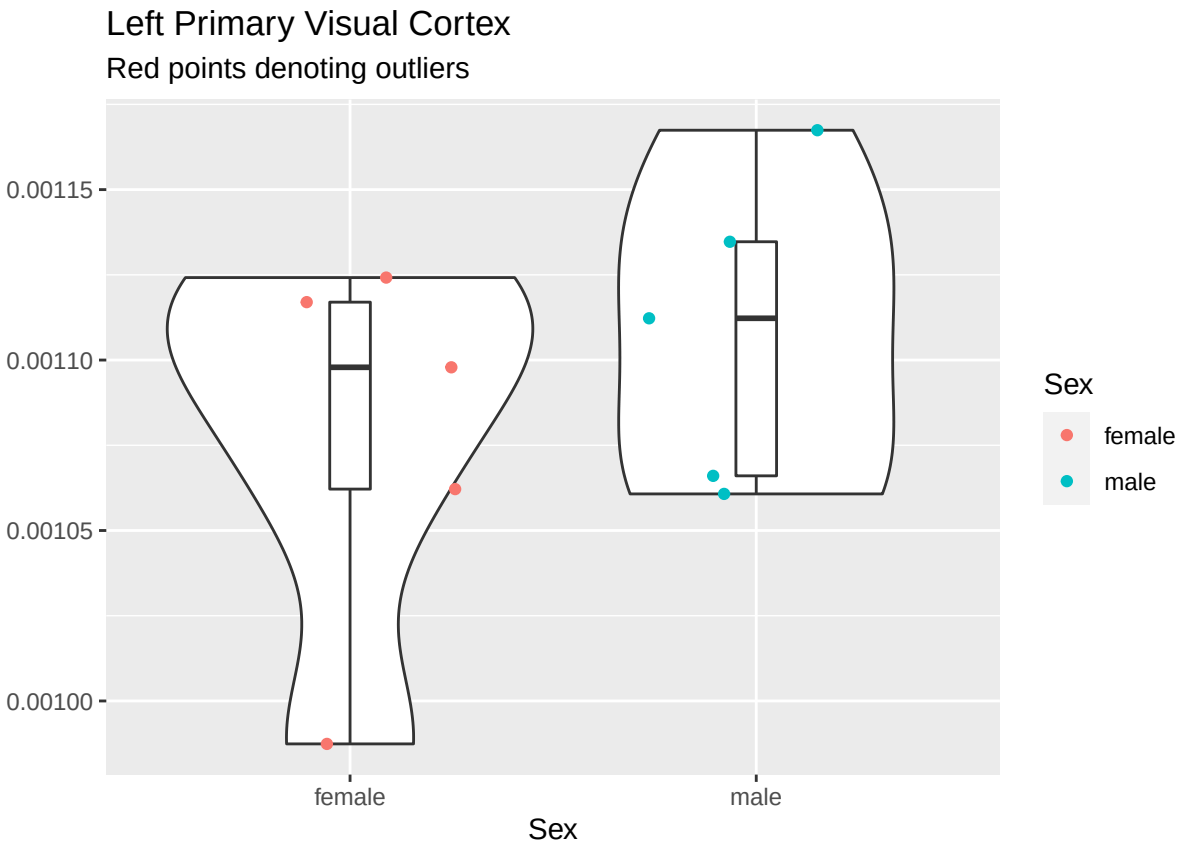

```
##             Df   Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.57e-09 2.567e-09   0.257  0.626
## Residuals    8 7.98e-08 9.975e-09
```



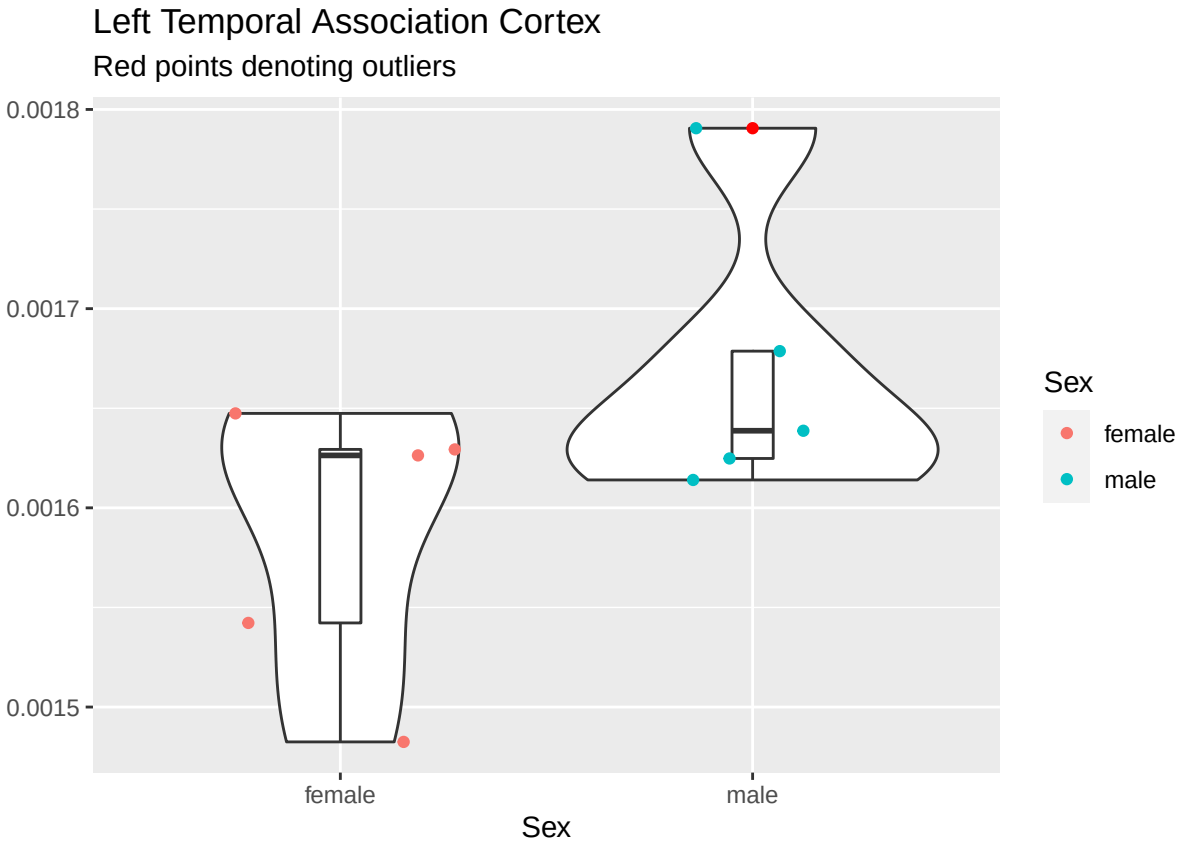

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.252e-08 1.252e-08   1.517  0.253
## Residuals    8 6.605e-08 8.256e-09
```



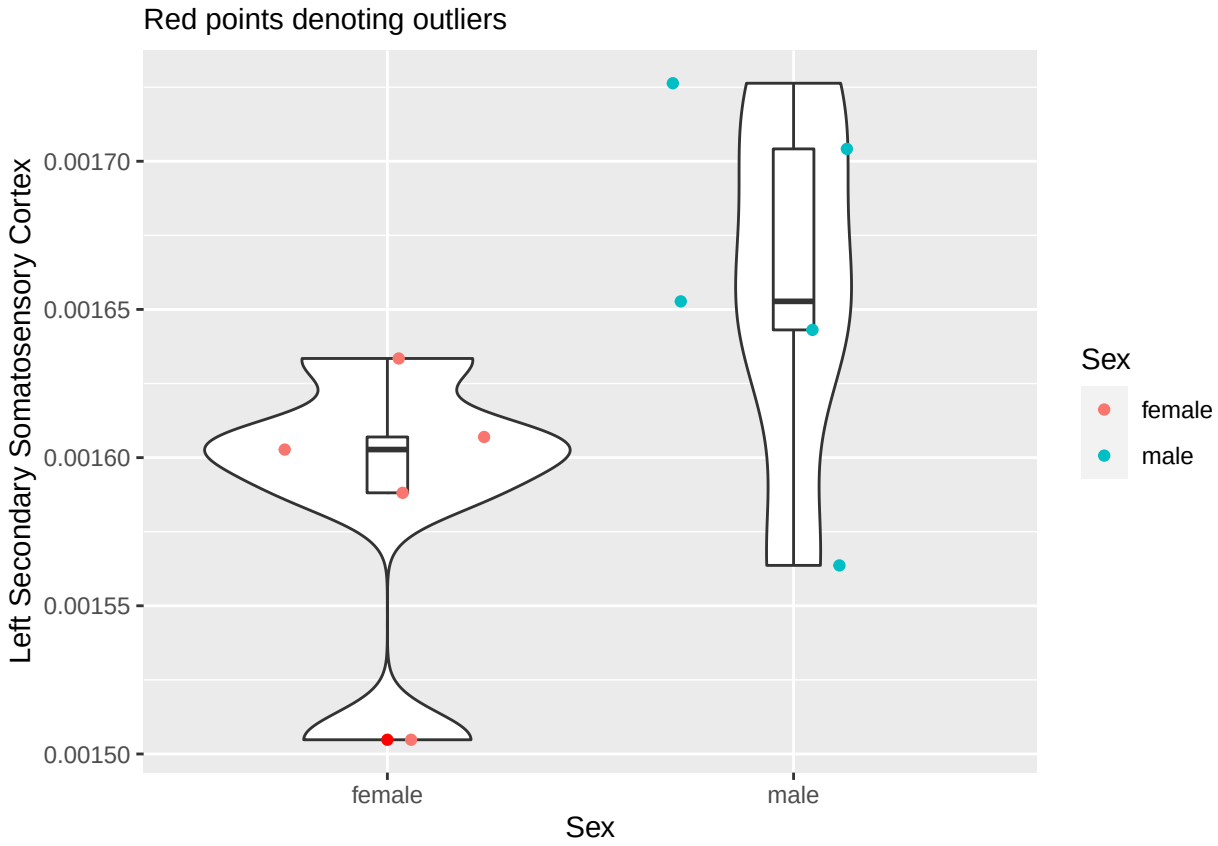

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.189e-09 4.189e-09   1.485  0.258
## Residuals    8 2.257e-08 2.822e-09
```



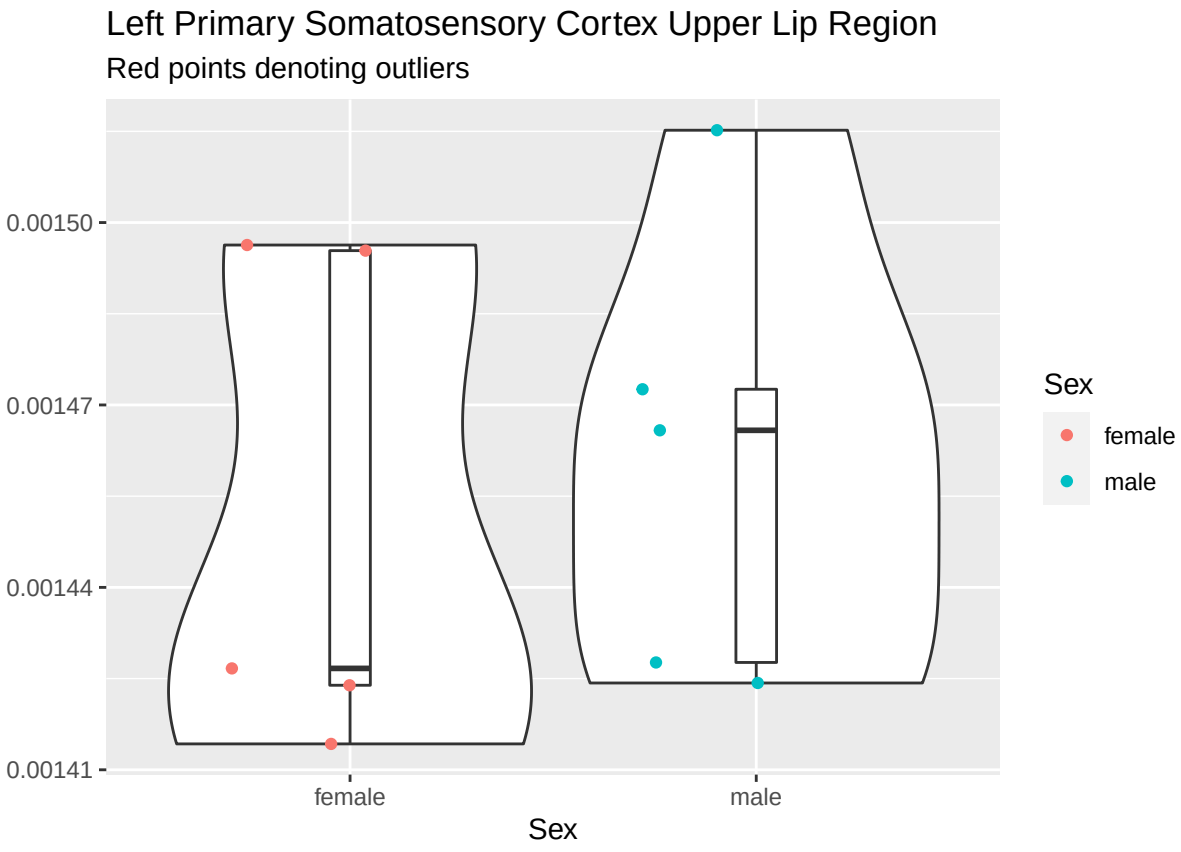

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.327e-09 2.327e-09   0.897  0.371
## Residuals    8 2.076e-08 2.595e-09
```



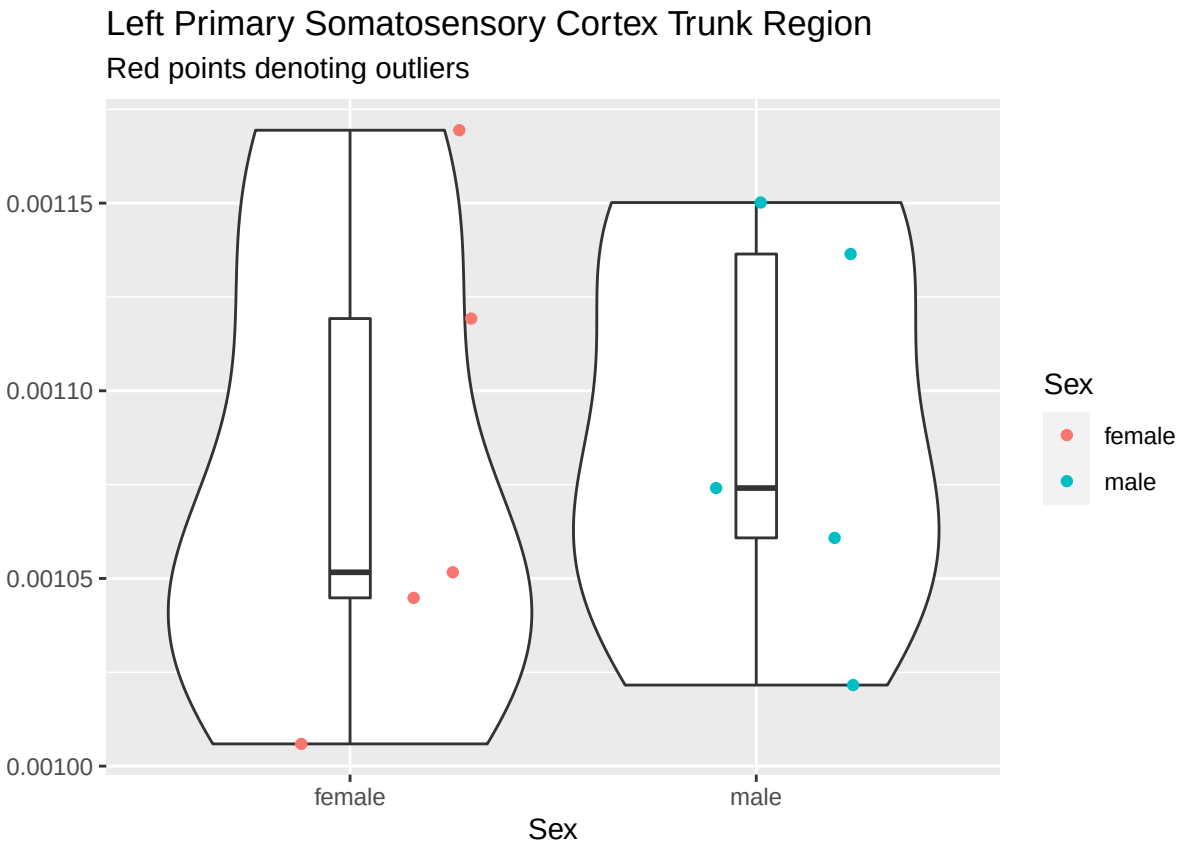

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.755e-08 1.755e-08   3.452    0.1
## Residuals    8 4.068e-08 5.085e-09
```



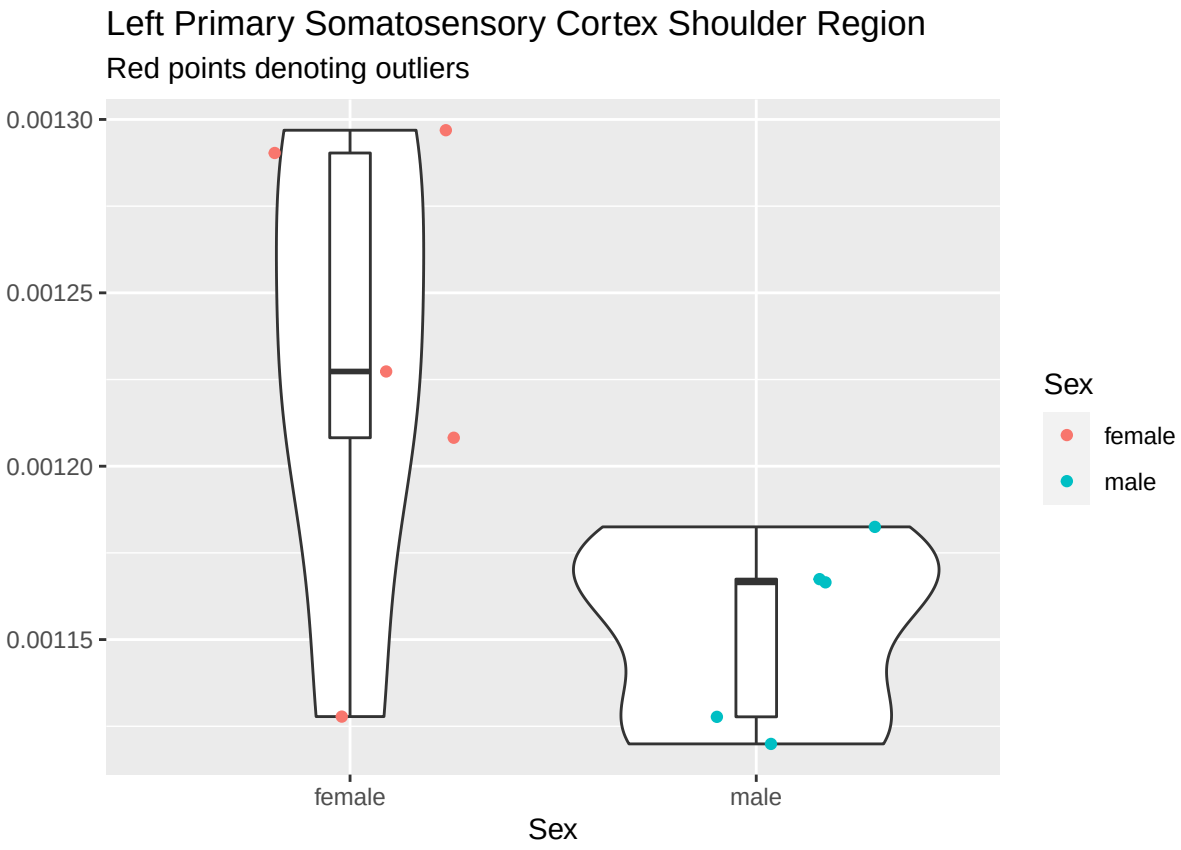

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.252e-08 1.252e-08   3.926 0.0829 .
## Residuals    8 2.552e-08 3.190e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



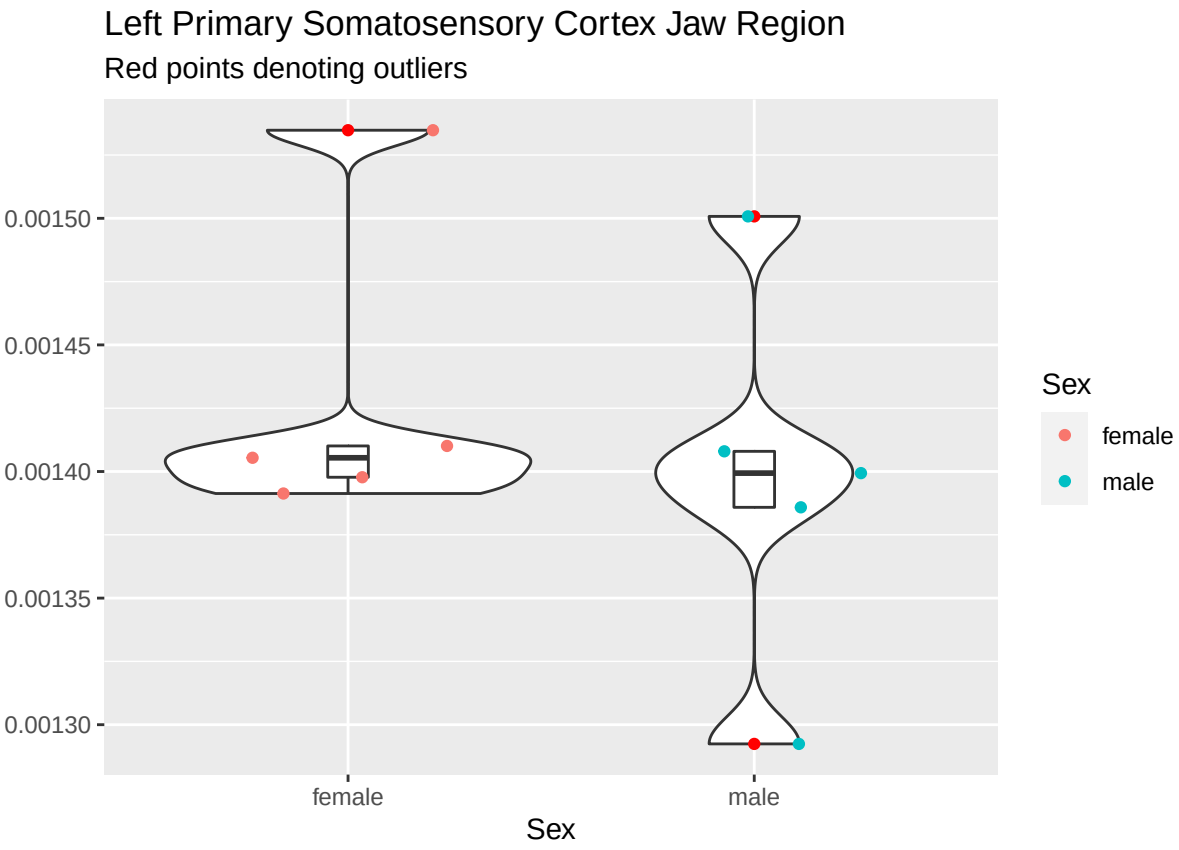

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 2.400e-10 2.402e-10   0.157  0.702
## Residuals     8 1.225e-08 1.531e-09
```



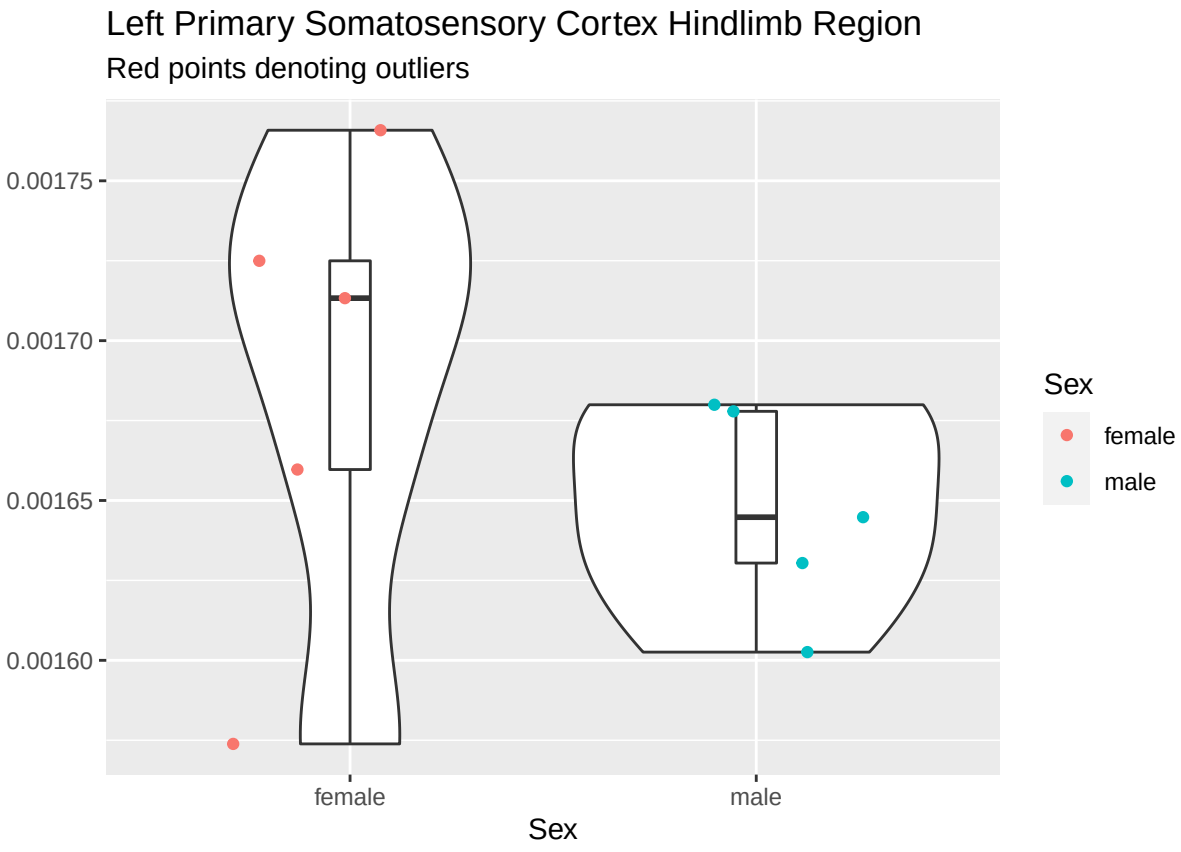

```
##             Df   Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.71e-10 2.710e-10   0.076   0.79
## Residuals    8 2.86e-08 3.575e-09
```



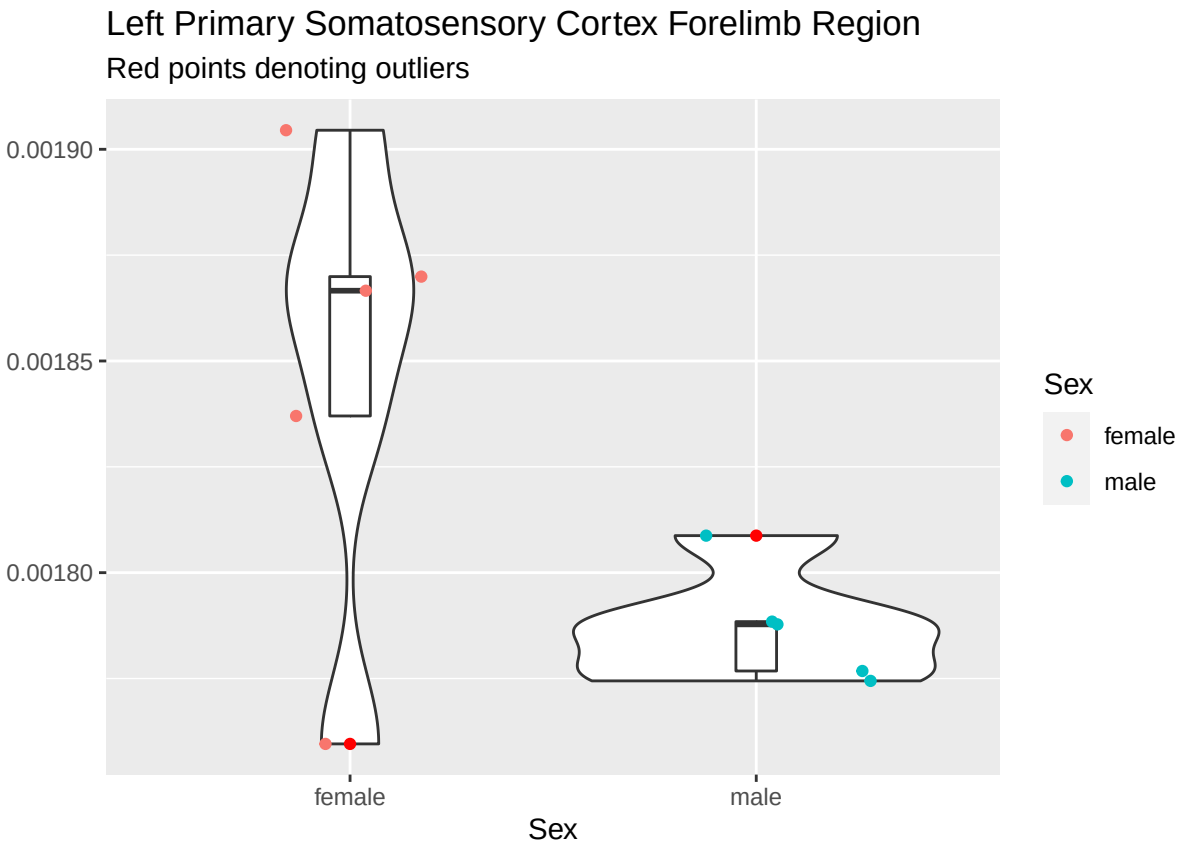

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.494e-08 1.494e-08   5.422 0.0483 *
## Residuals    8 2.204e-08 2.755e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



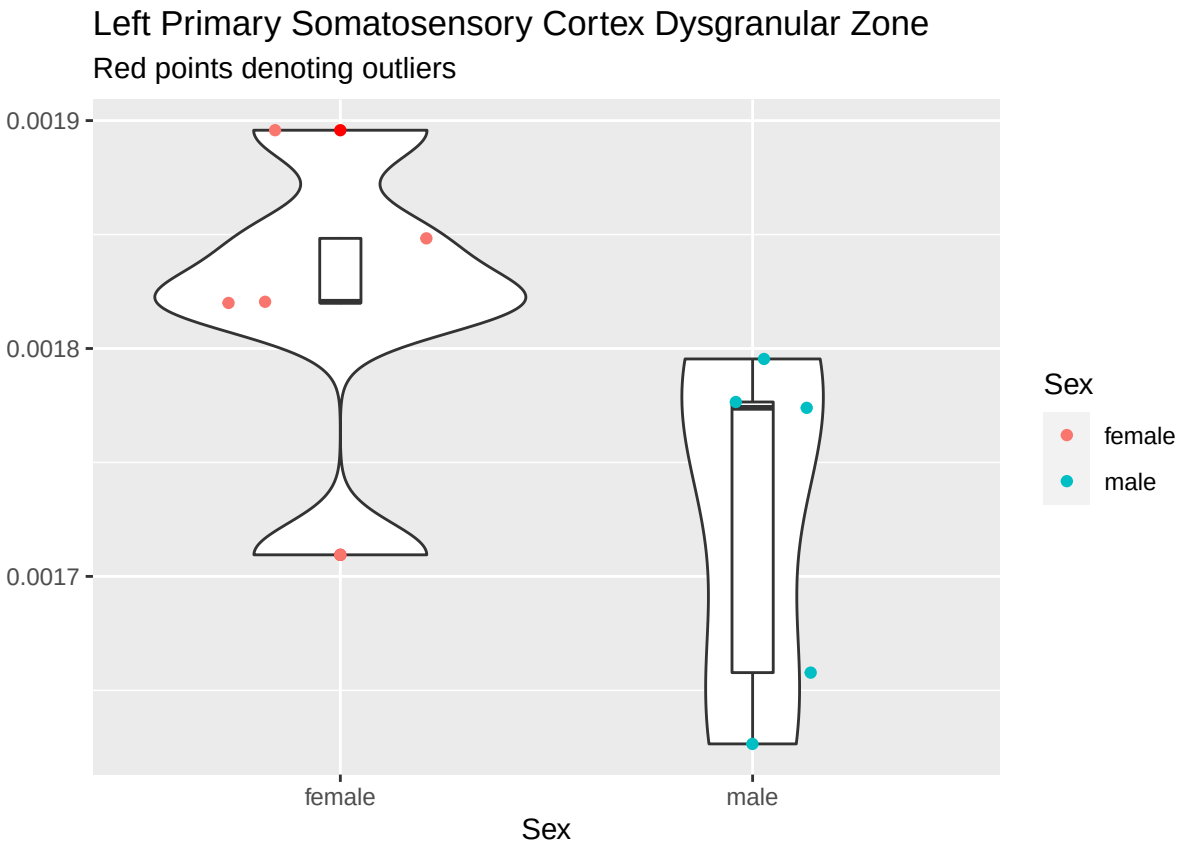

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.340e-09 2.341e-09   0.514  0.494
## Residuals    8 3.645e-08 4.557e-09
```



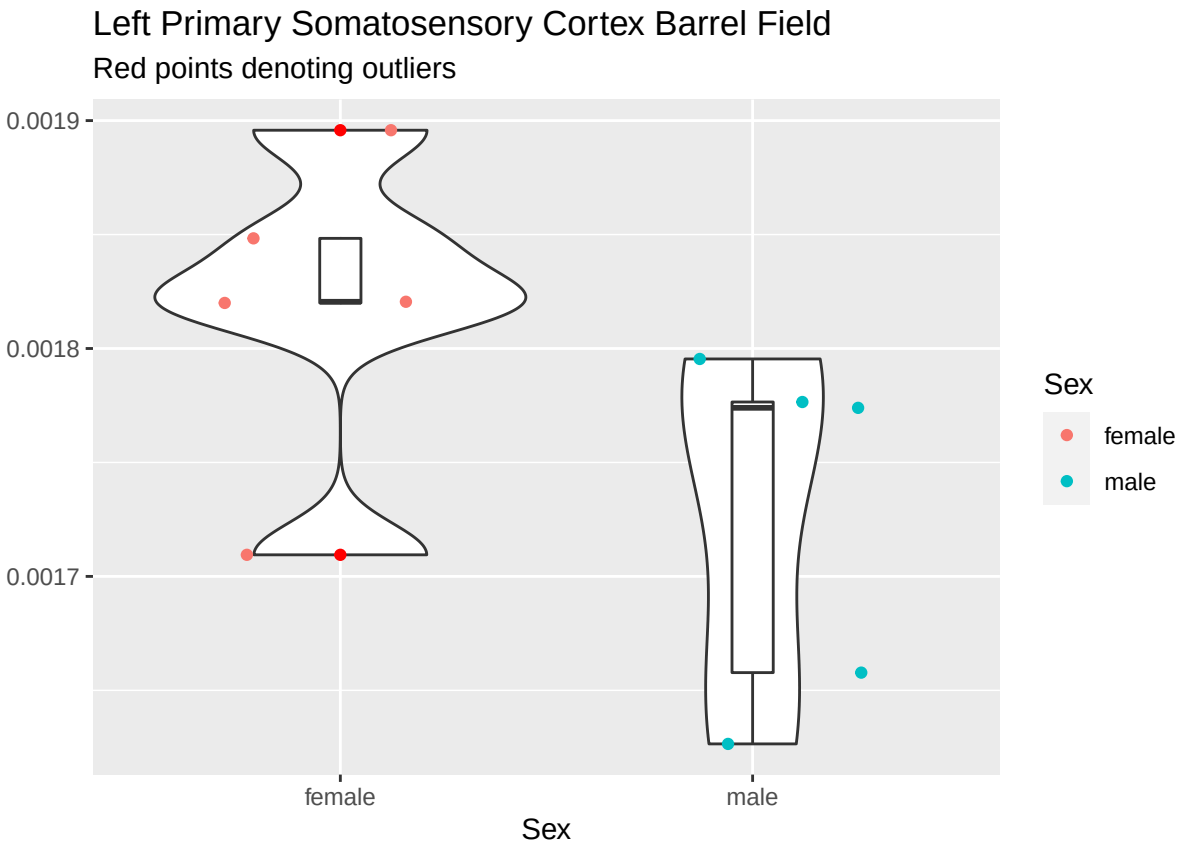

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 4.082e-09 4.082e-09   1.247  0.297
## Residuals     8 2.619e-08 3.274e-09
```



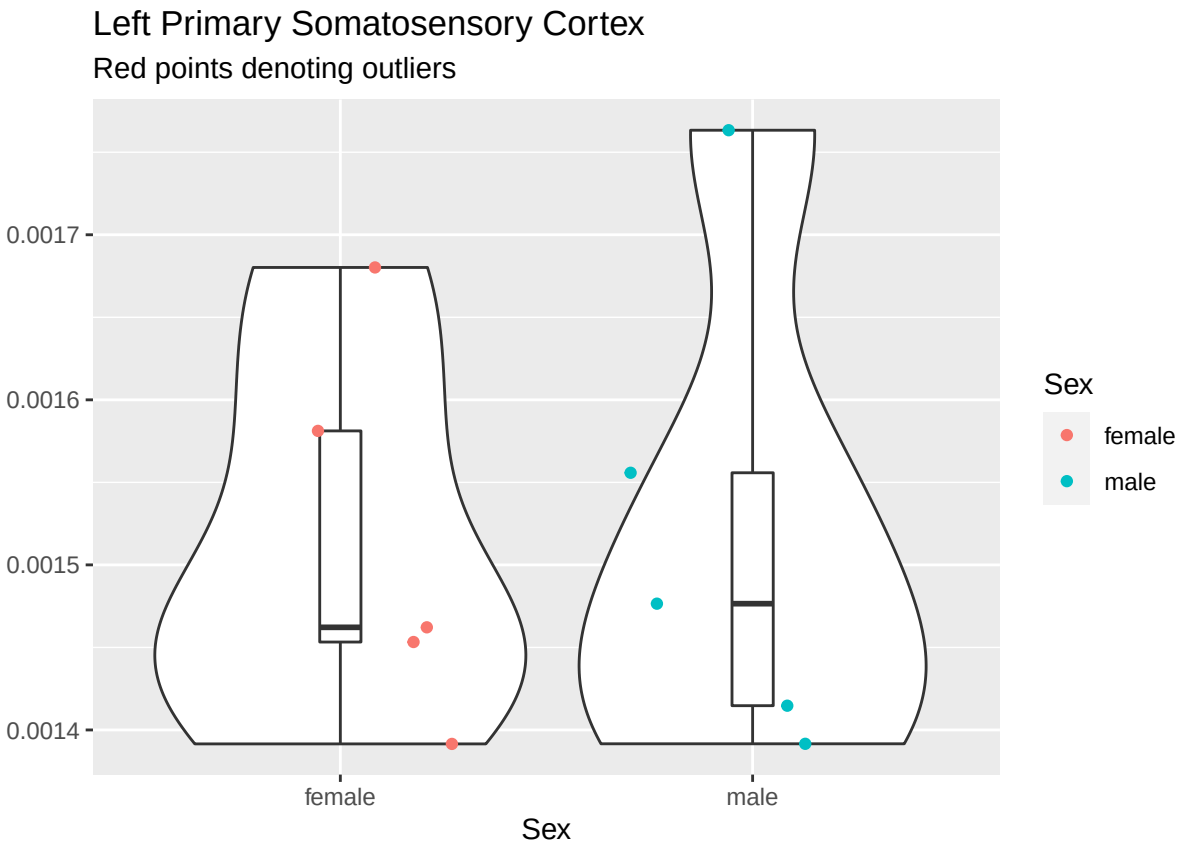

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 9.085e-09 9.085e-09   5.723 0.0437 *
## Residuals    8 1.270e-08 1.588e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



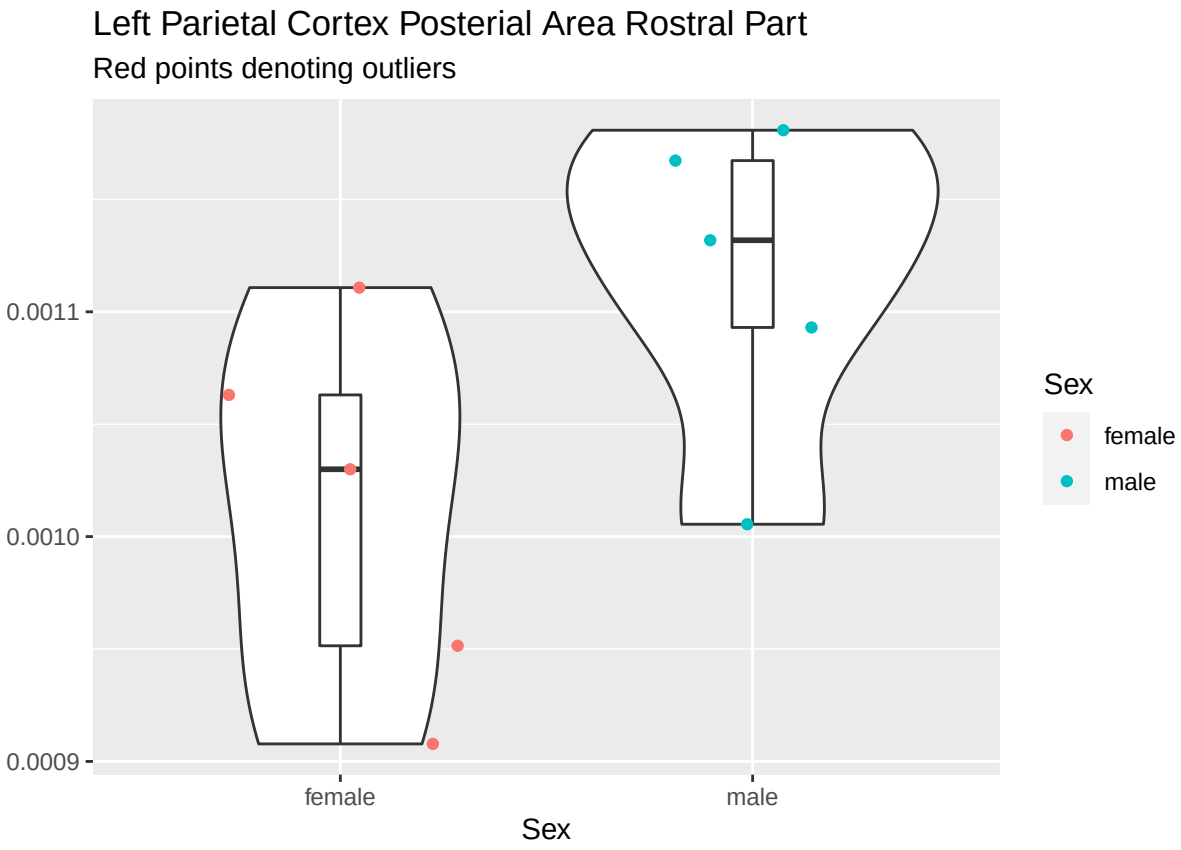

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.341e-08 1.341e-08   6.511 0.0341 *
## Residuals    8 1.648e-08 2.060e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



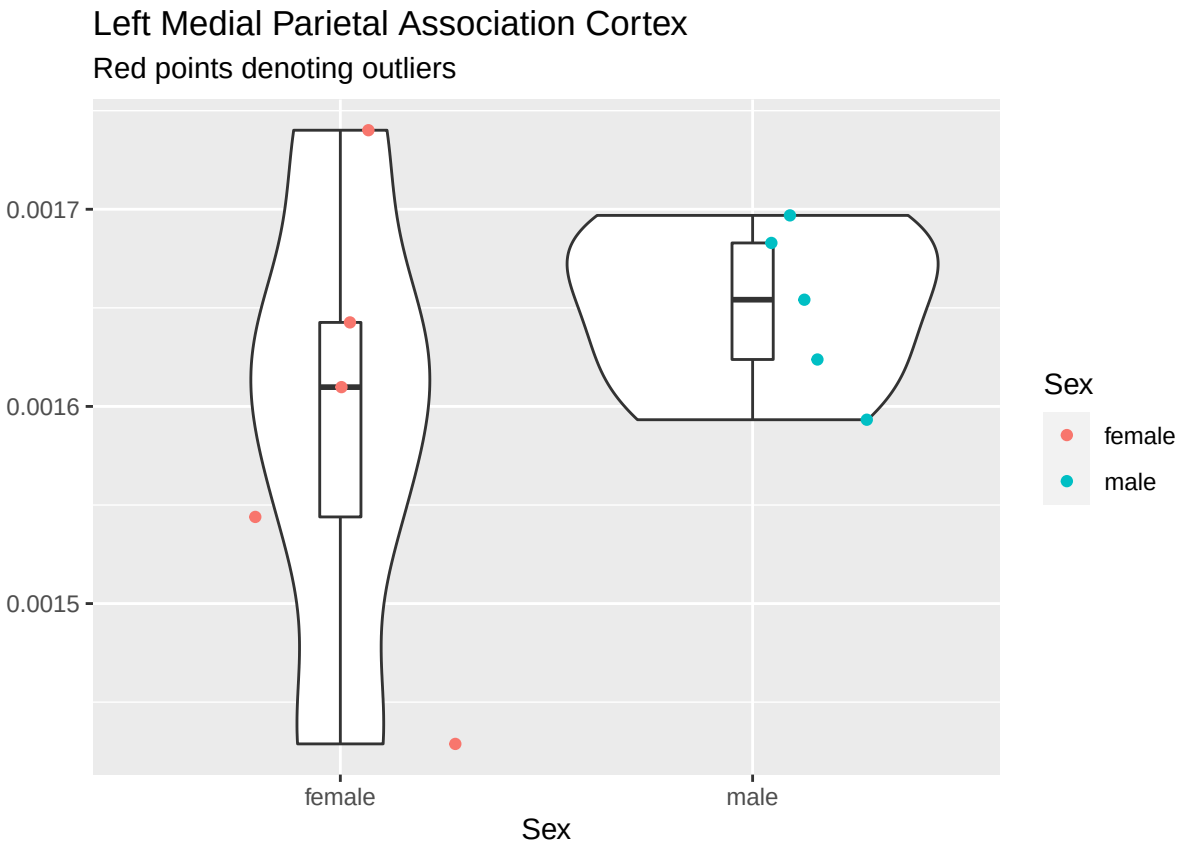

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.152e-08 2.152e-08   4.006 0.0803 .
## Residuals    8 4.298e-08 5.372e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



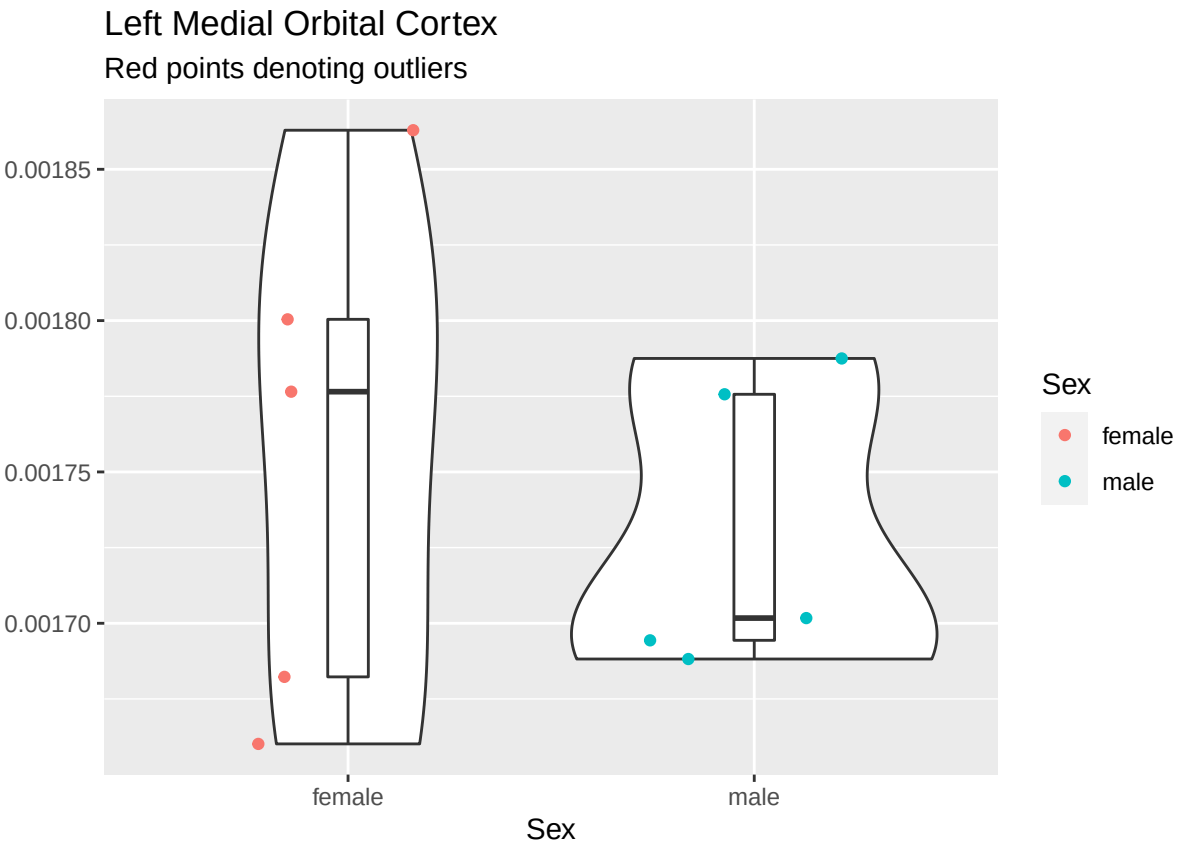

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.100e-10 1.130e-10   0.006  0.939
## Residuals    8 1.435e-07 1.793e-08
```



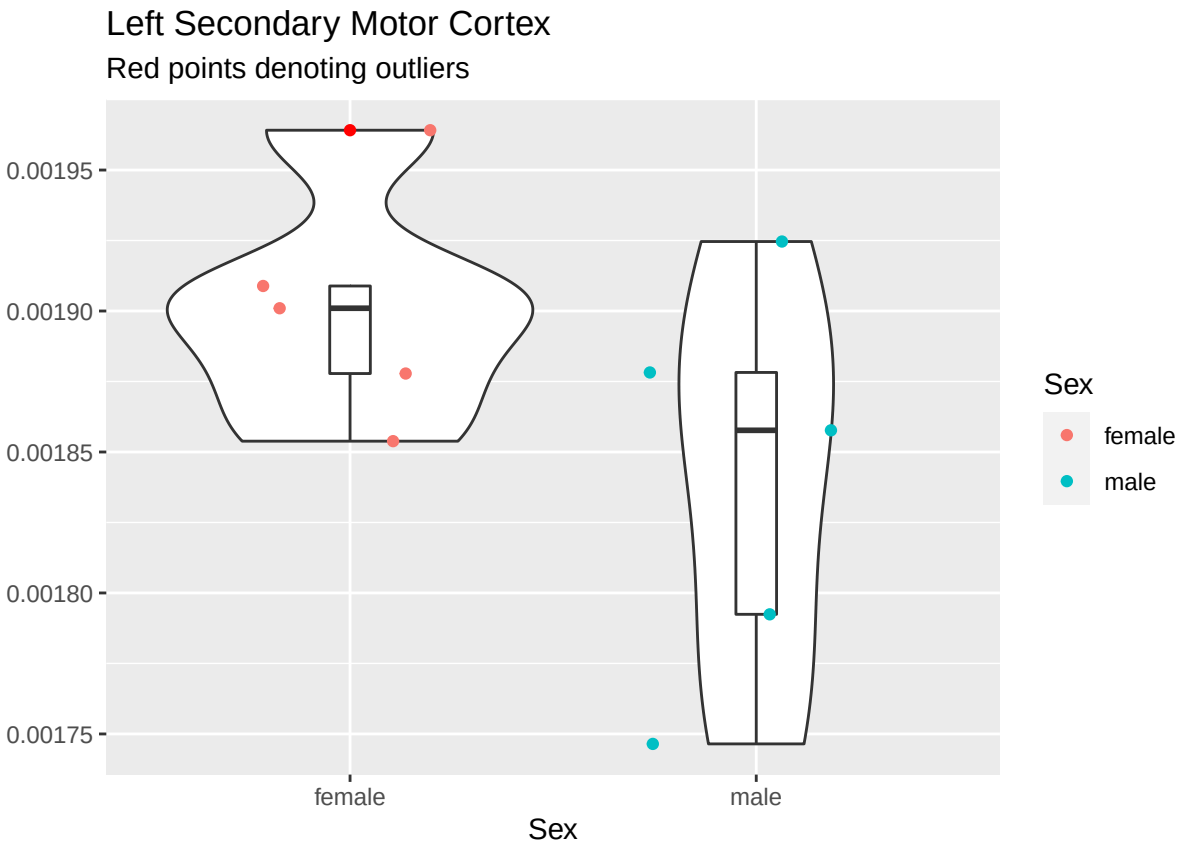

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.657e-08 2.656e-08    4.52 0.0662 .
## Residuals    8 4.701e-08 5.877e-09
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



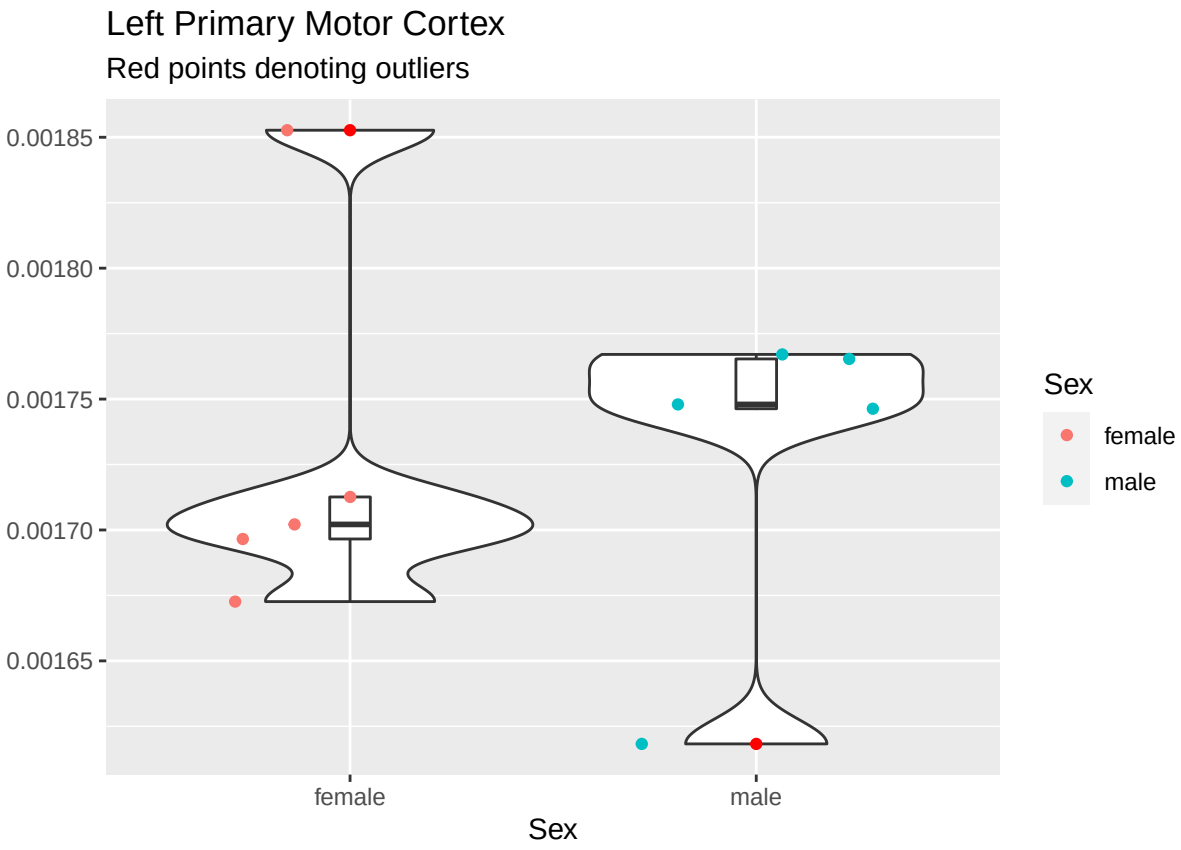

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 8.160e-09 8.165e-09   1.072  0.331
## Residuals    8 6.095e-08 7.619e-09
```



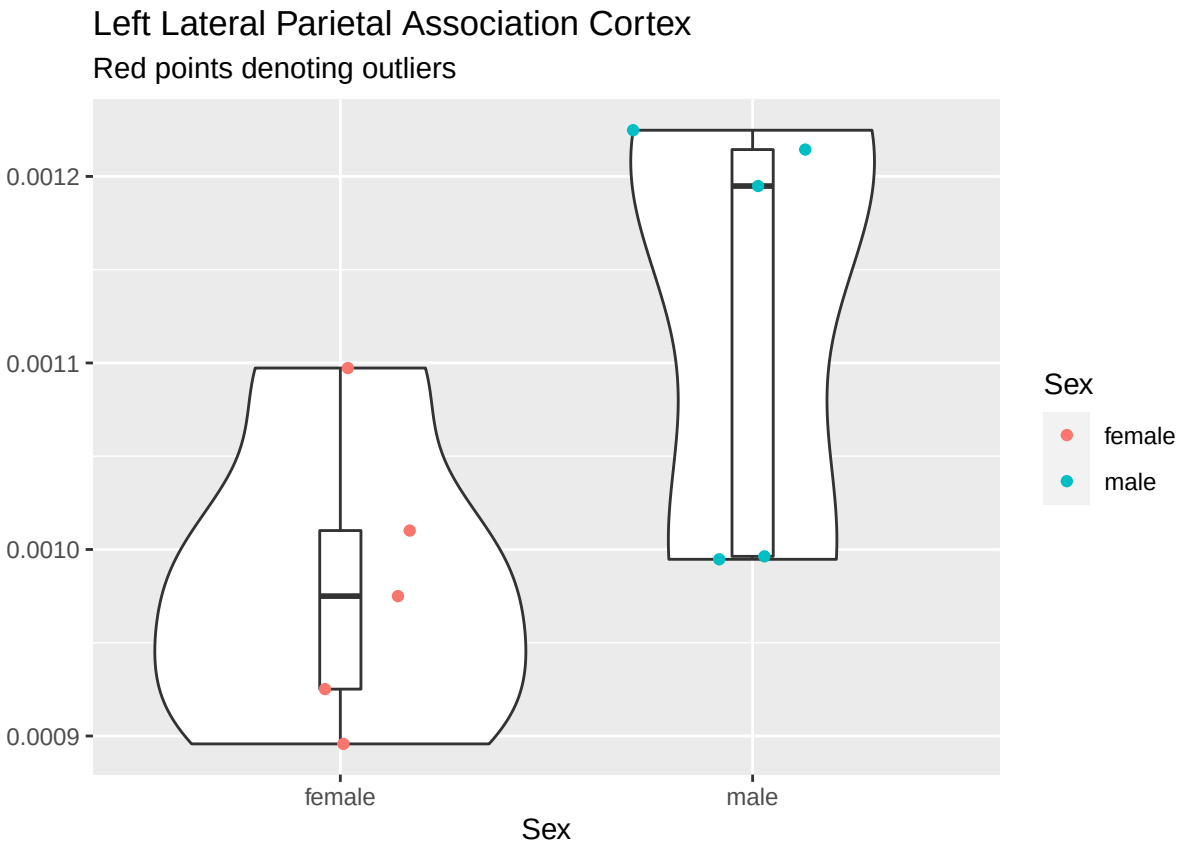

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.820e-09 1.819e-09   0.386  0.551
## Residuals    8 3.765e-08 4.707e-09
```



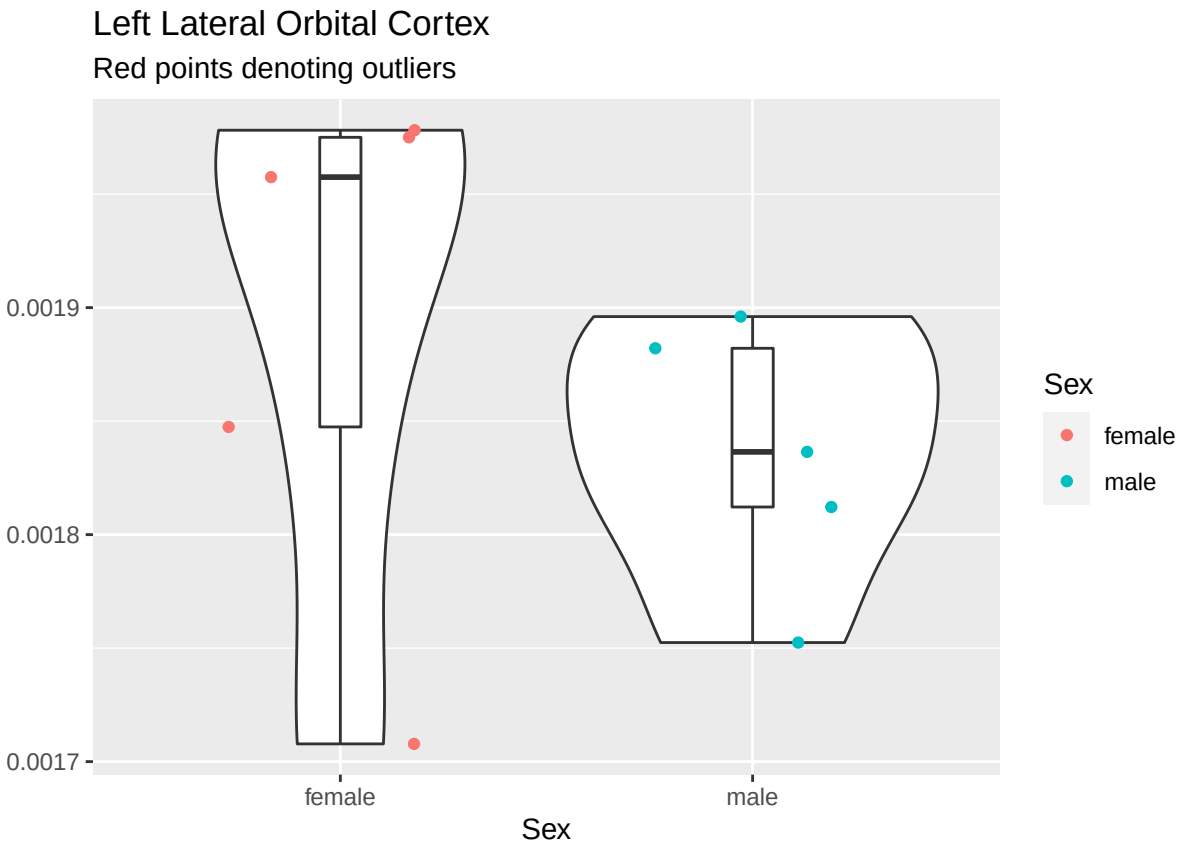

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 9.377e-09 9.377e-09   2.804  0.133
## Residuals     8 2.676e-08 3.345e-09
```



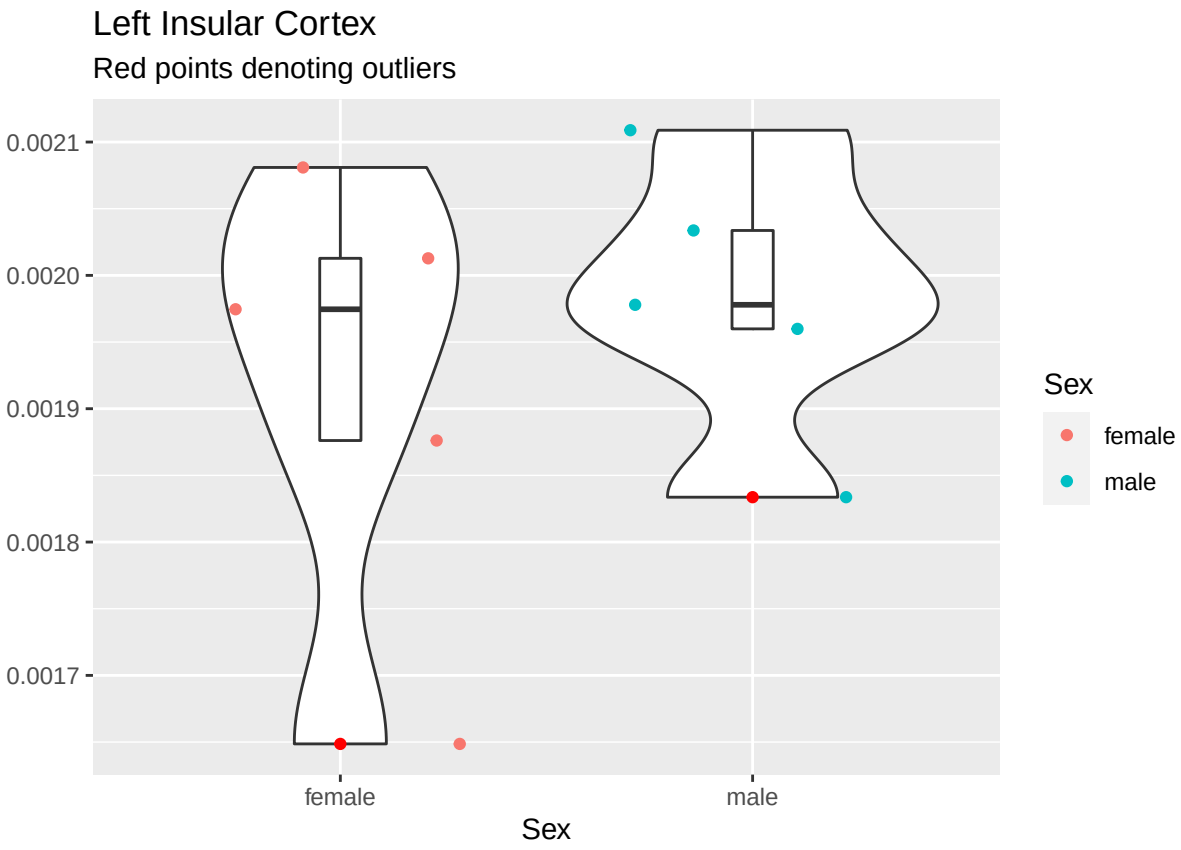

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.000e-11 7.000e-12   0.002   0.97
## Residuals    8 3.619e-08 4.524e-09
```



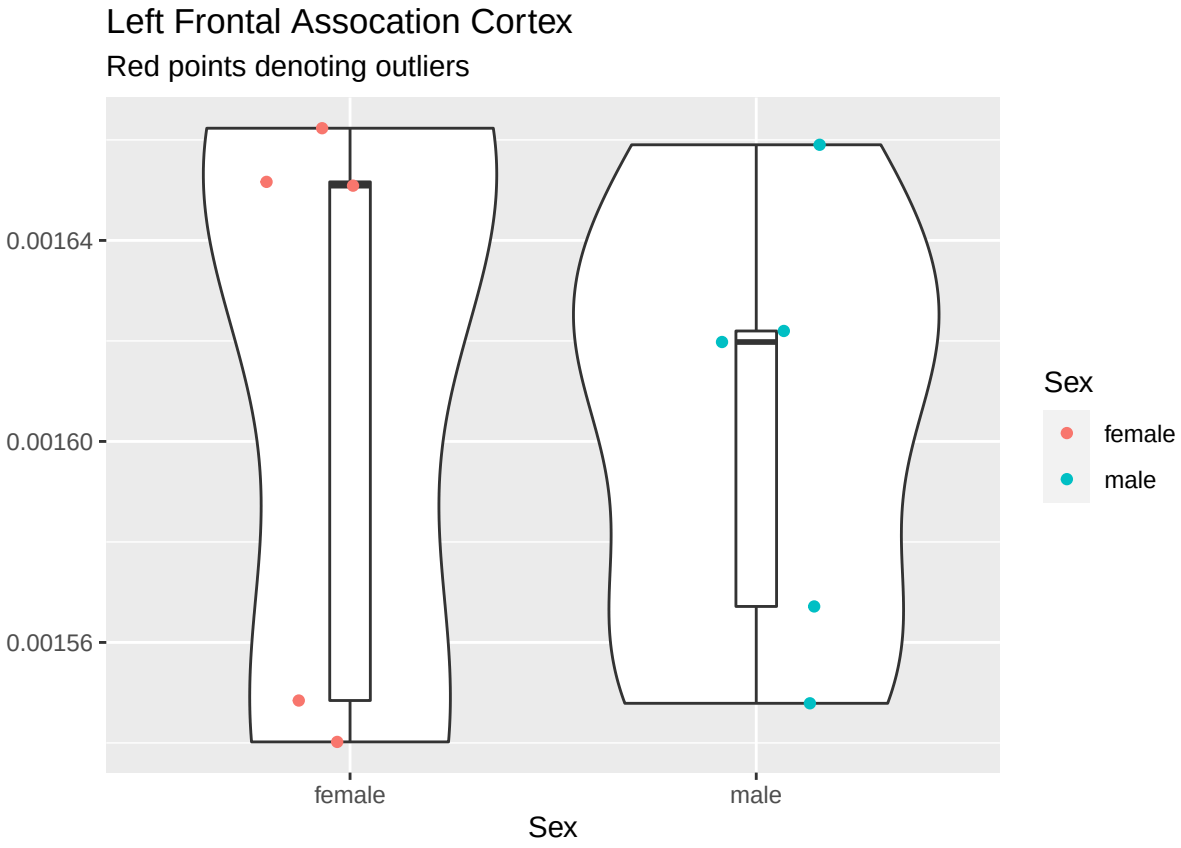

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 5.209e-08 5.209e-08   5.137 0.0532 .
## Residuals    8 8.113e-08 1.014e-08
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



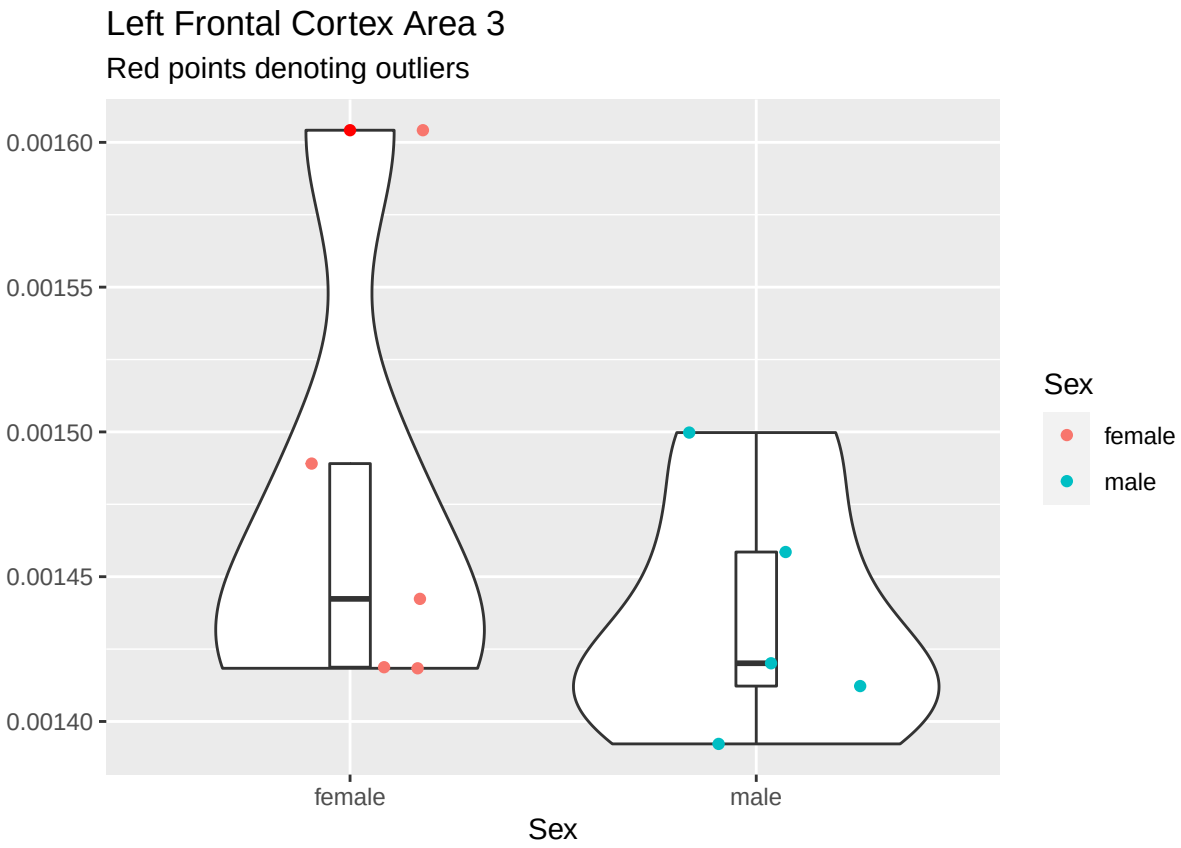

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 8.220e-09 8.220e-09    0.97  0.353
## Residuals    8 6.778e-08 8.473e-09
```



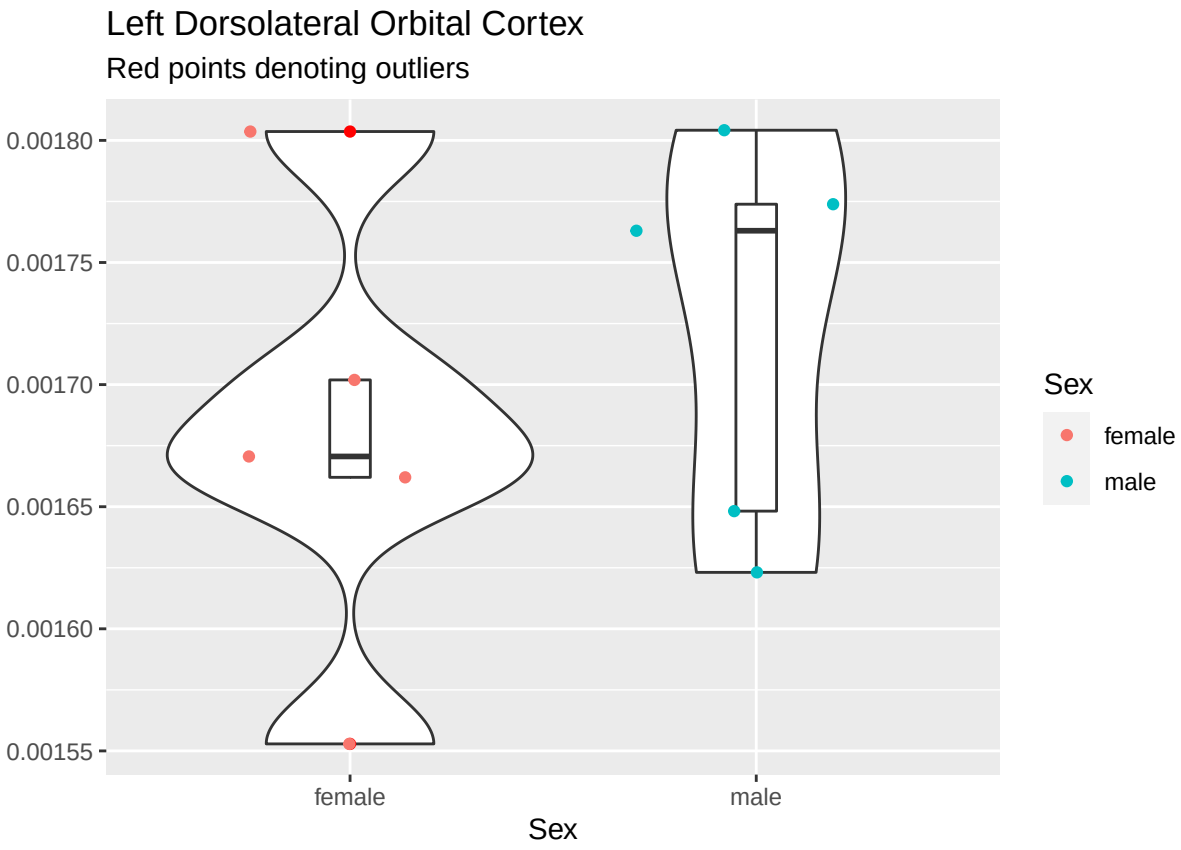

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.030e-08 1.030e-08   0.534  0.486
## Residuals    8 1.543e-07 1.929e-08
```



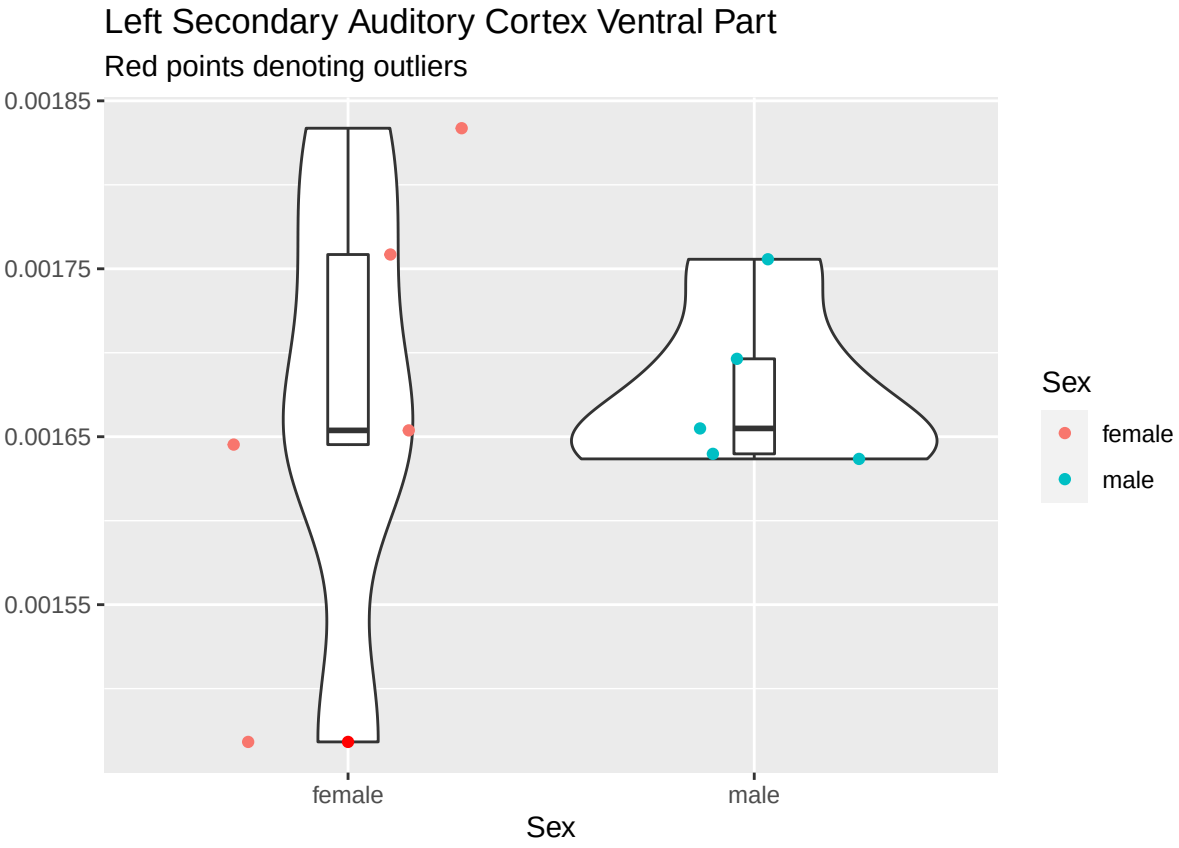

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.420e-10 1.420e-10    0.05  0.829
## Residuals    8 2.291e-08 2.863e-09
```



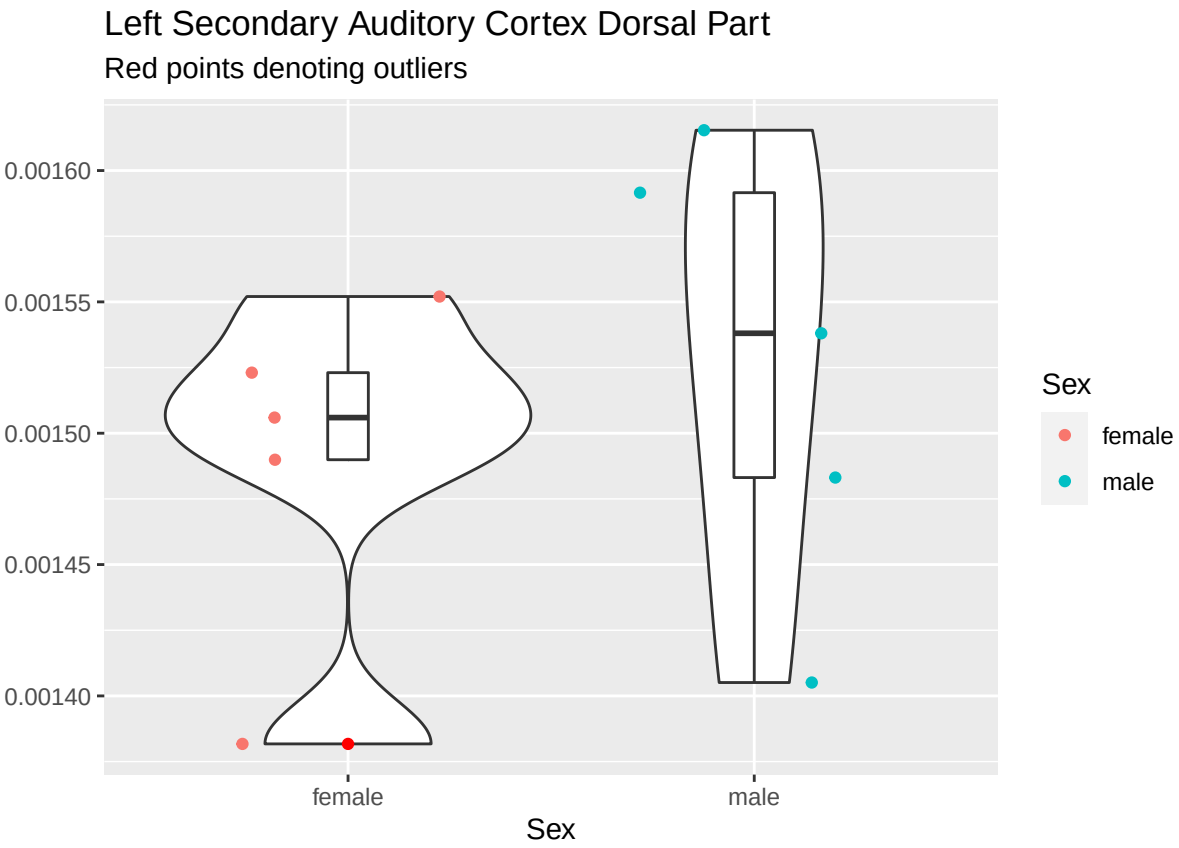

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 3.600e-09 3.603e-09   0.911  0.368
## Residuals     8 3.163e-08 3.954e-09
```



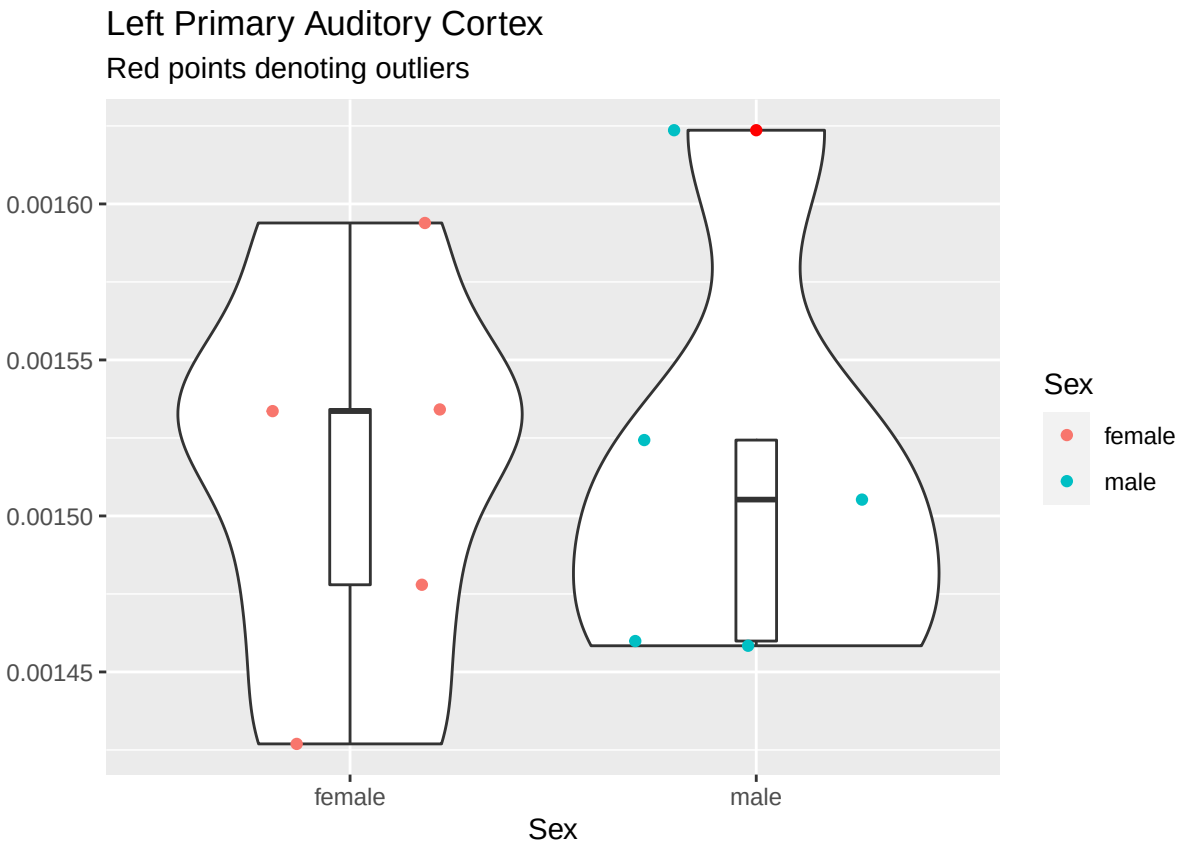

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.900e-09 4.899e-09   0.668  0.437
## Residuals    8 5.867e-08 7.334e-09
```



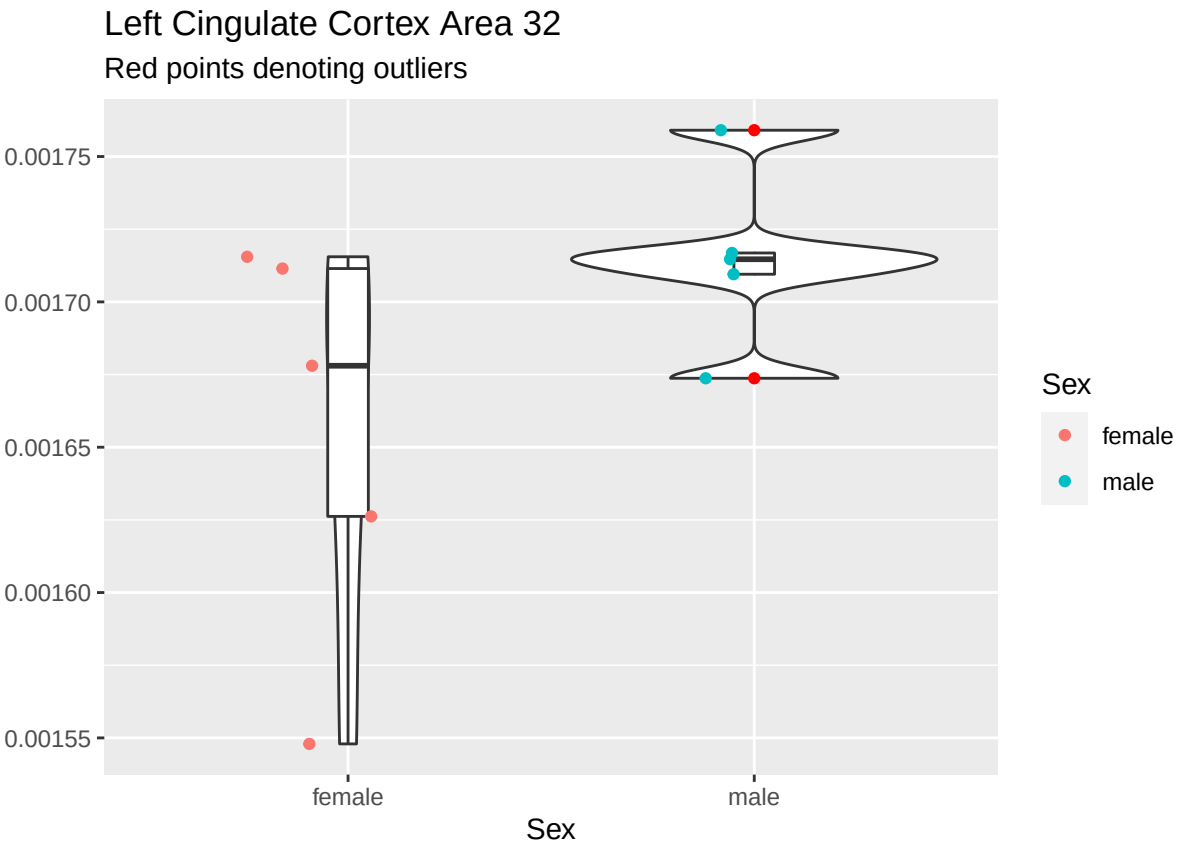

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 6.000e-11 5.800e-11   0.005  0.943
## Residuals    8 8.623e-08 1.078e-08
```



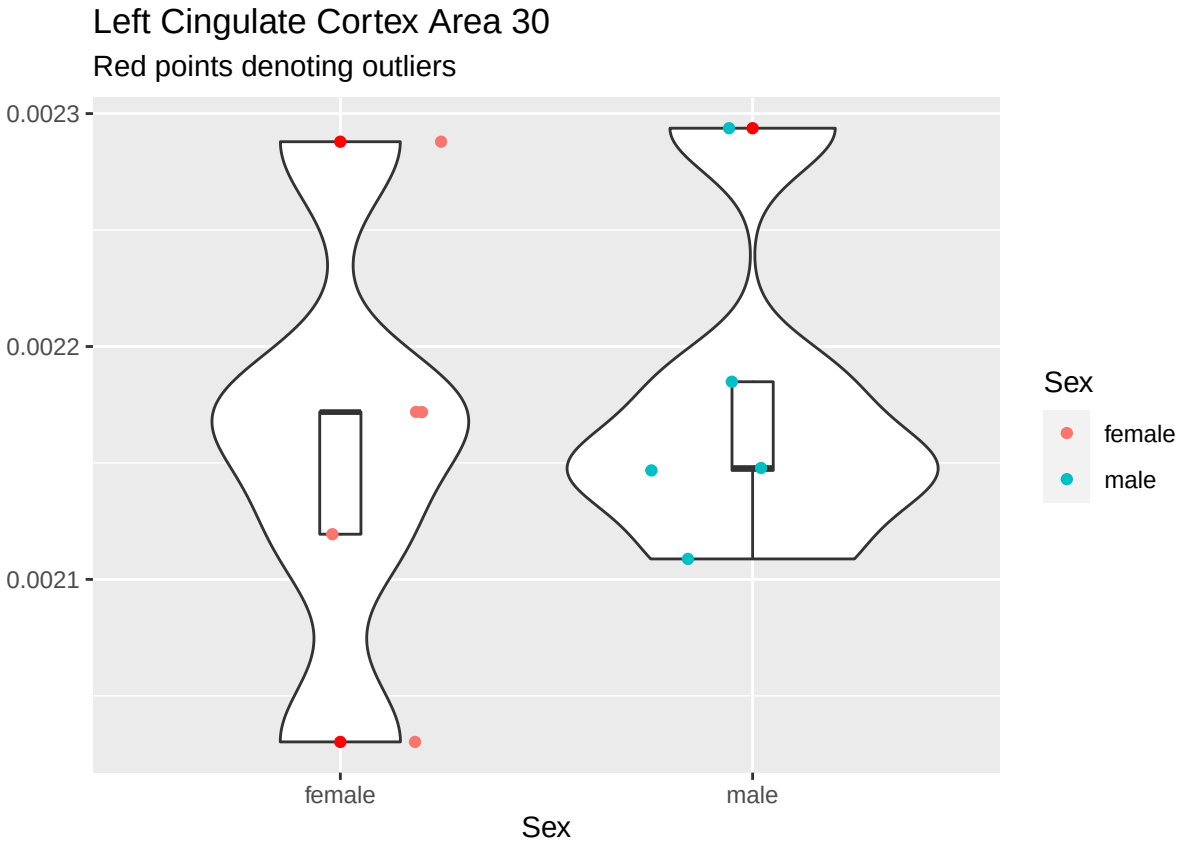

```
##             Df   Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.26e-09 3.258e-09   0.569  0.472
## Residuals    8 4.58e-08 5.725e-09
```



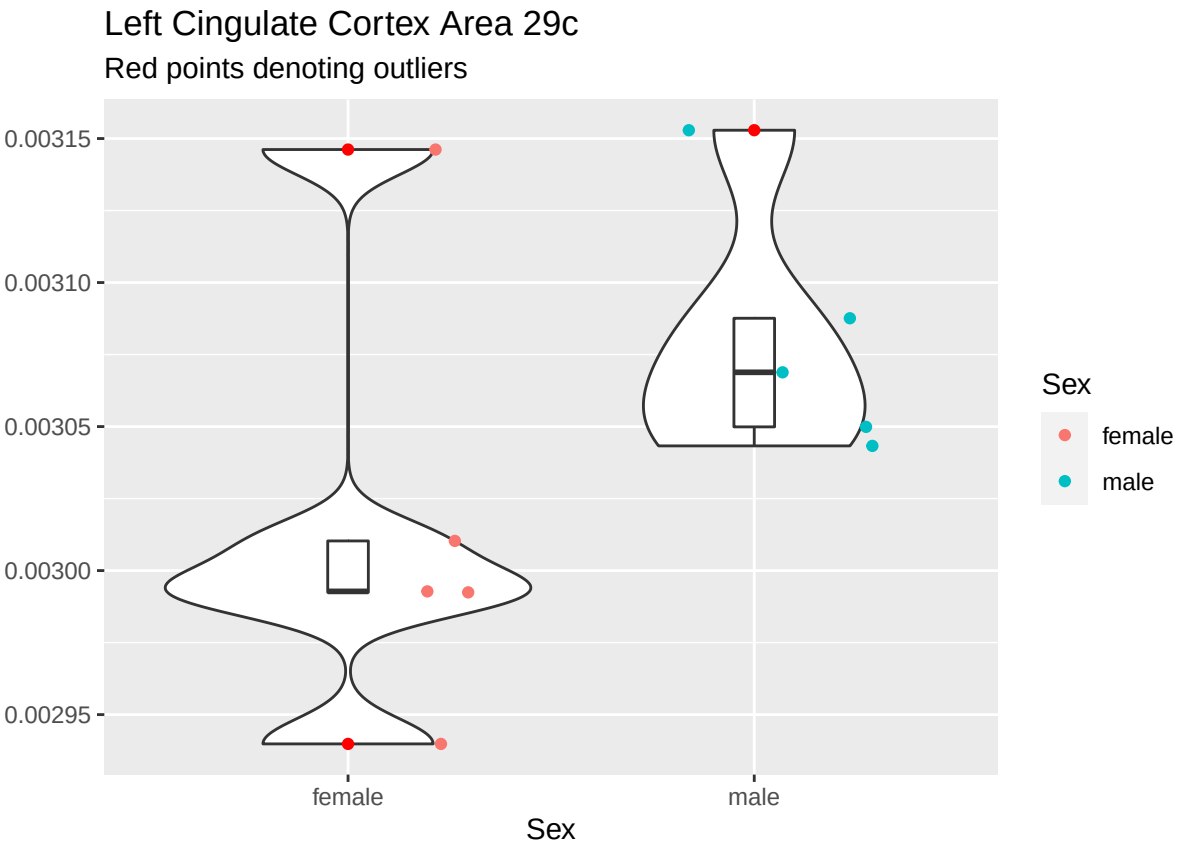

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 0.000e+00 2.000e-12   0.001  0.981
## Residuals    8 3.427e-08 4.284e-09
```



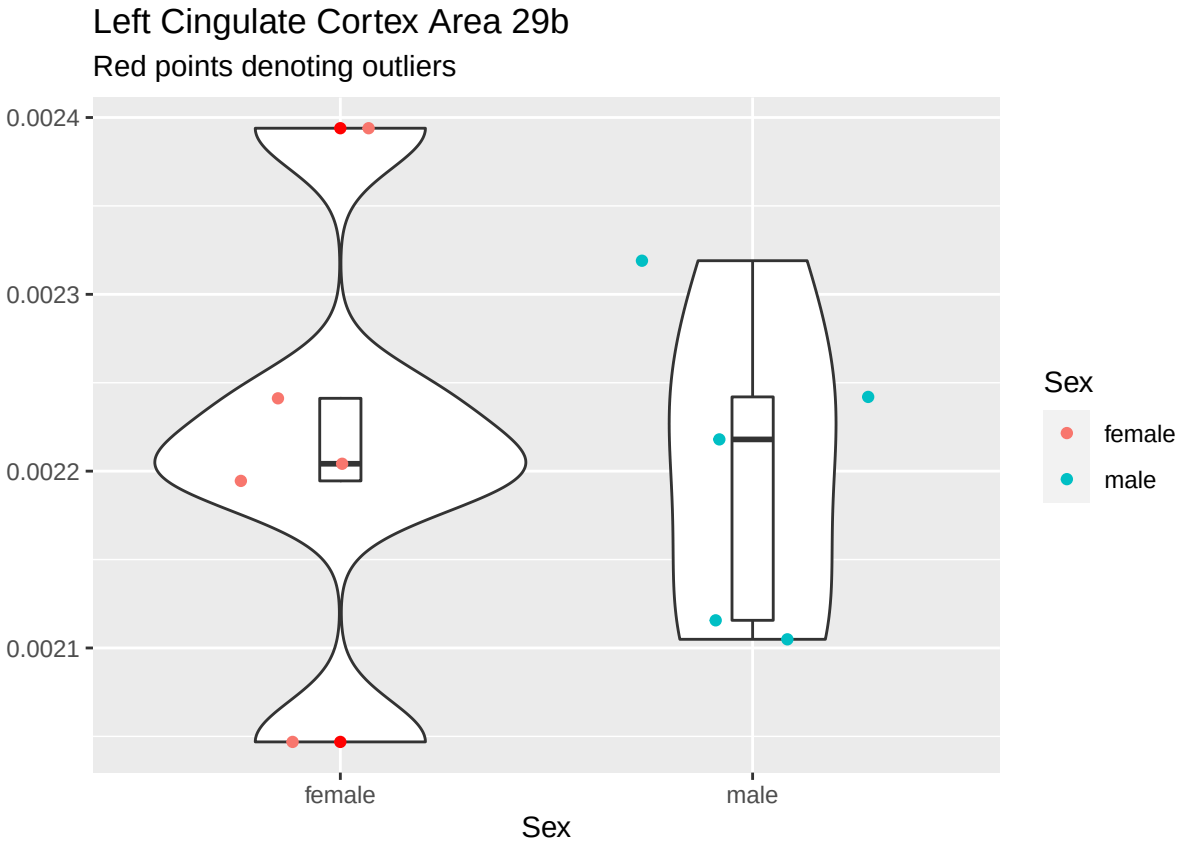

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 8.681e-09 8.681e-09   2.975  0.123
## Residuals    8 2.335e-08 2.918e-09
```



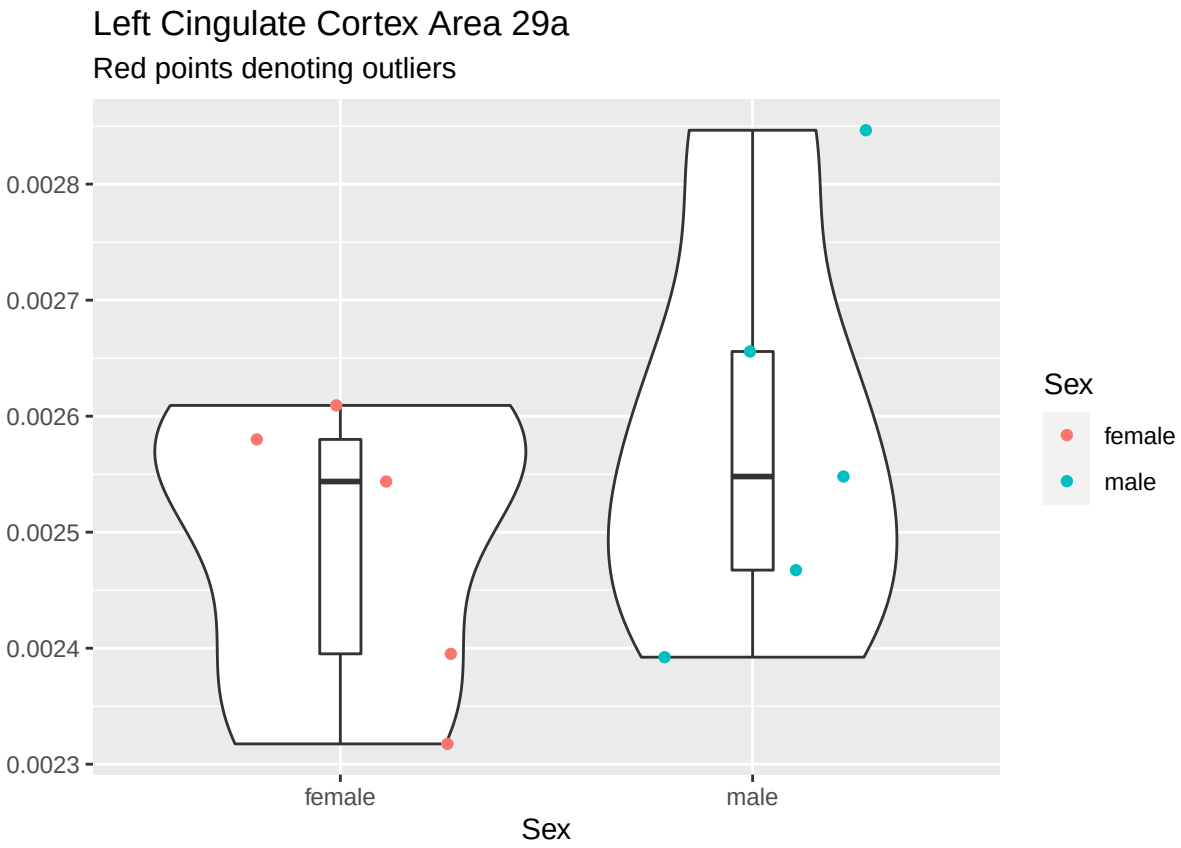

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.010e-09 1.014e-09   0.147  0.711
## Residuals    8 5.517e-08 6.896e-09
```



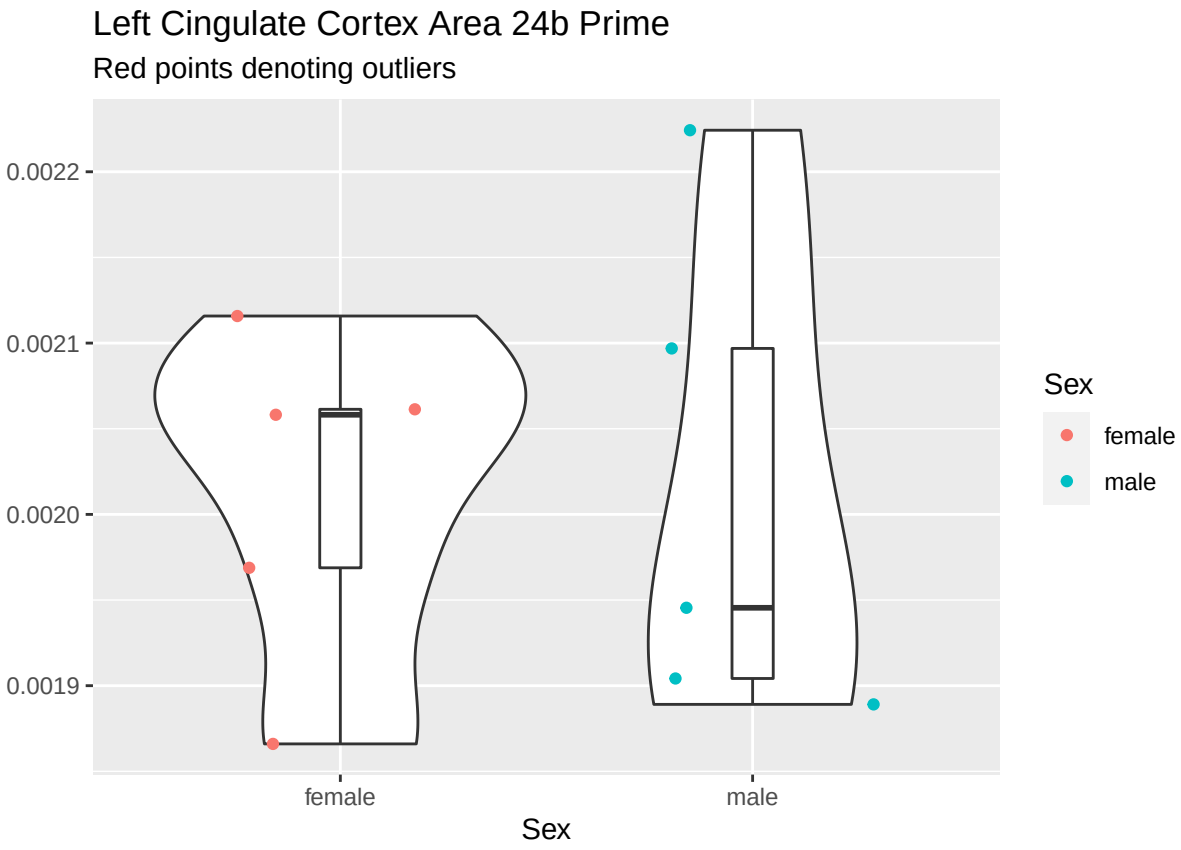

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.030e-08 1.030e-08   2.606  0.145
## Residuals    8 3.162e-08 3.953e-09
```



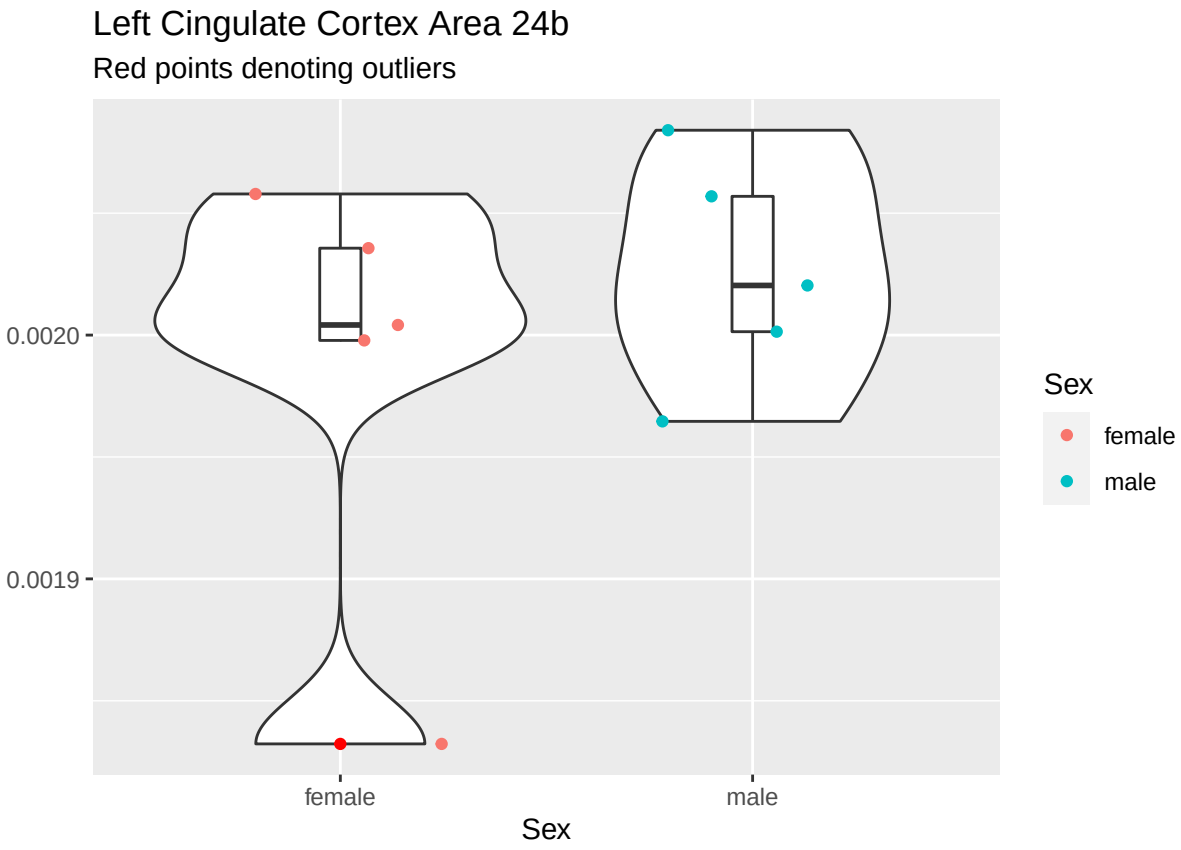

```
##              Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex           1 6.600e-10 6.590e-10   0.056  0.819
## Residuals     8 9.392e-08 1.174e-08
```



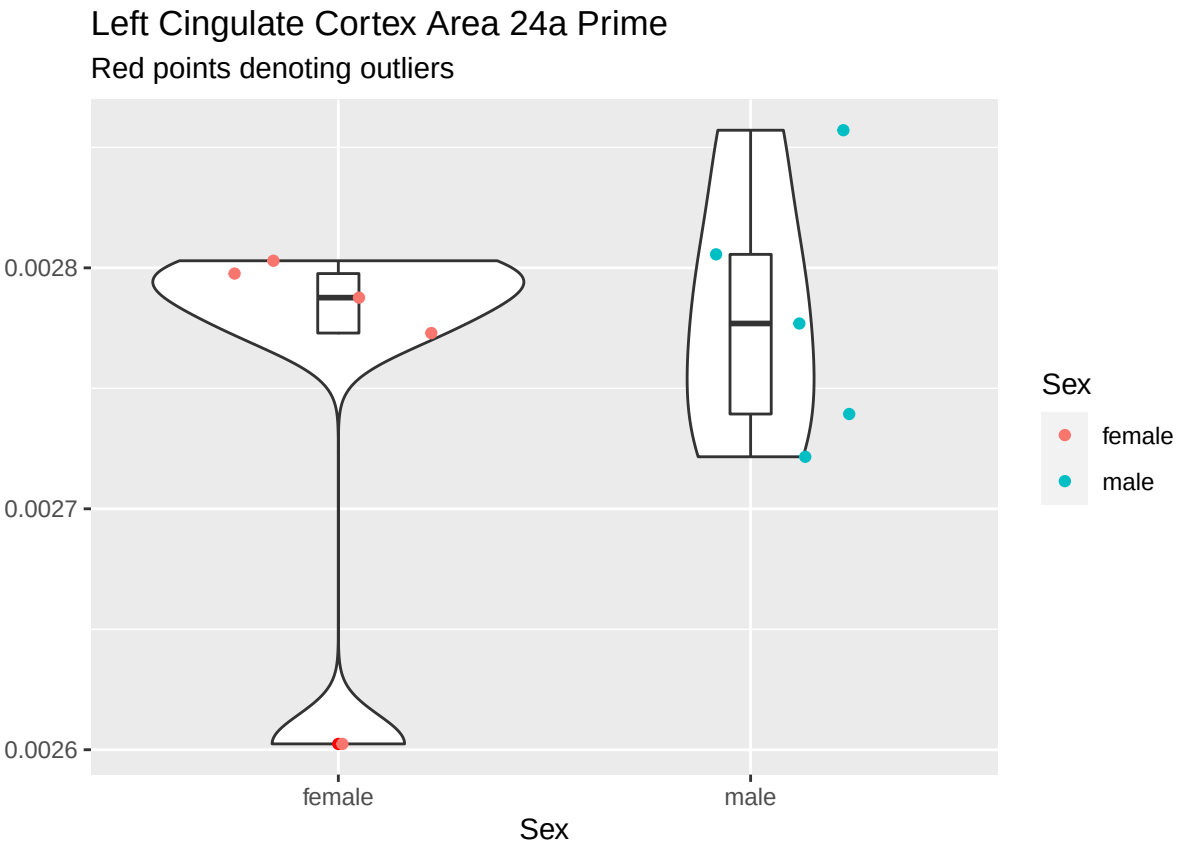

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 2.155e-08 2.155e-08   0.909  0.368
## Residuals    8 1.897e-07 2.371e-08
```



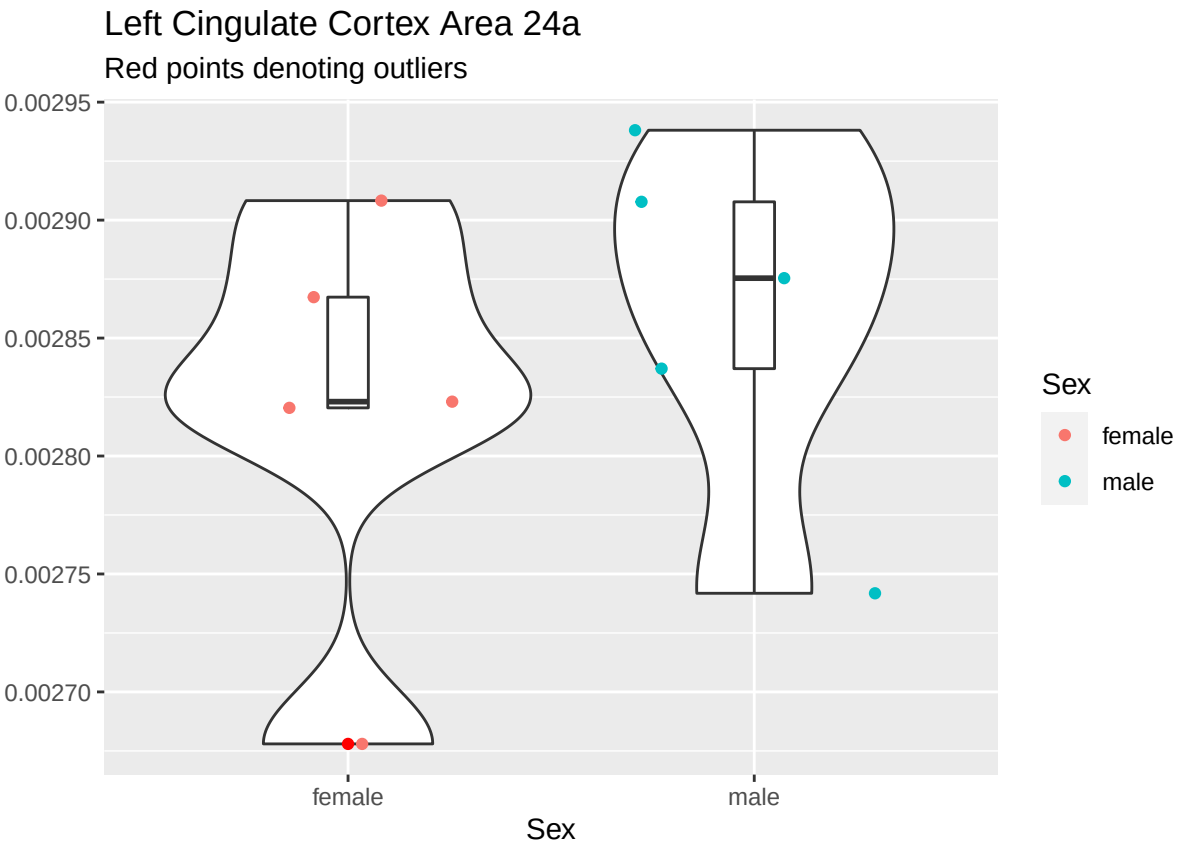

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.000e-11 1.000e-11   0.001   0.98
## Residuals    8 1.219e-07 1.524e-08
```



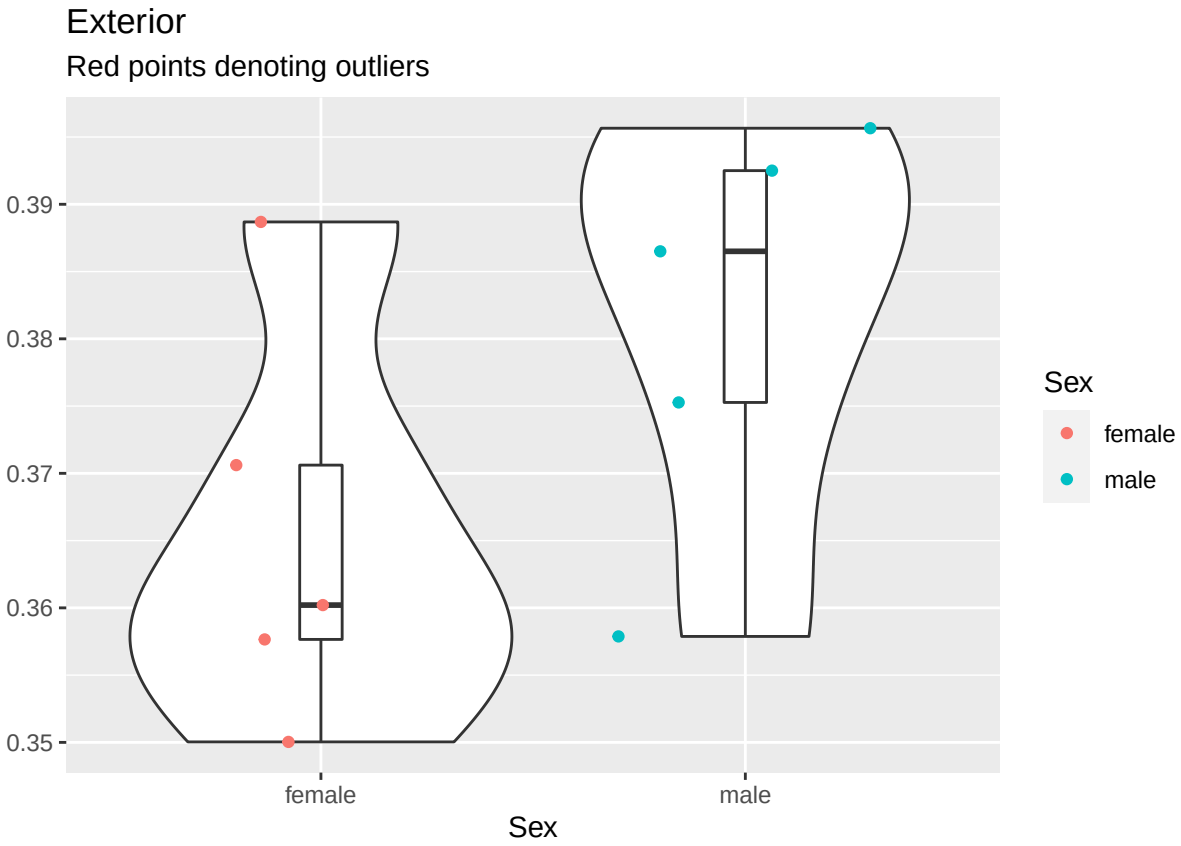

```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 3.980e-09 3.980e-09   0.787  0.401
## Residuals    8 4.045e-08 5.056e-09
```




```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 1.880e-09 1.877e-09   0.371  0.559
## Residuals    8 4.044e-08 5.054e-09
```




```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 4.120e-09 4.124e-09   0.619  0.454
## Residuals    8 5.333e-08 6.666e-09
```




```
##             Df    Sum Sq   Mean Sq F value Pr(>F)
## Sex          1 0.0006498 0.0006498   2.832  0.131
## Residuals    8 0.0018359 0.0002295
```