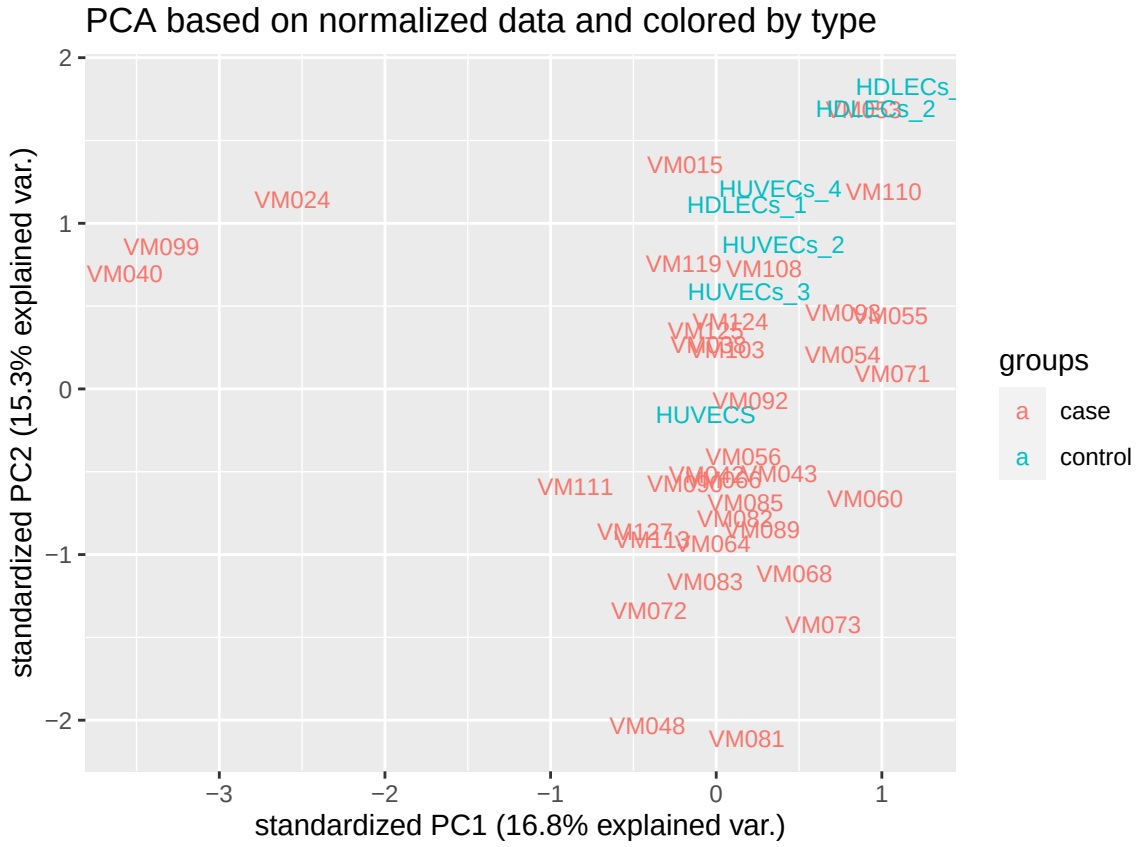
DE report

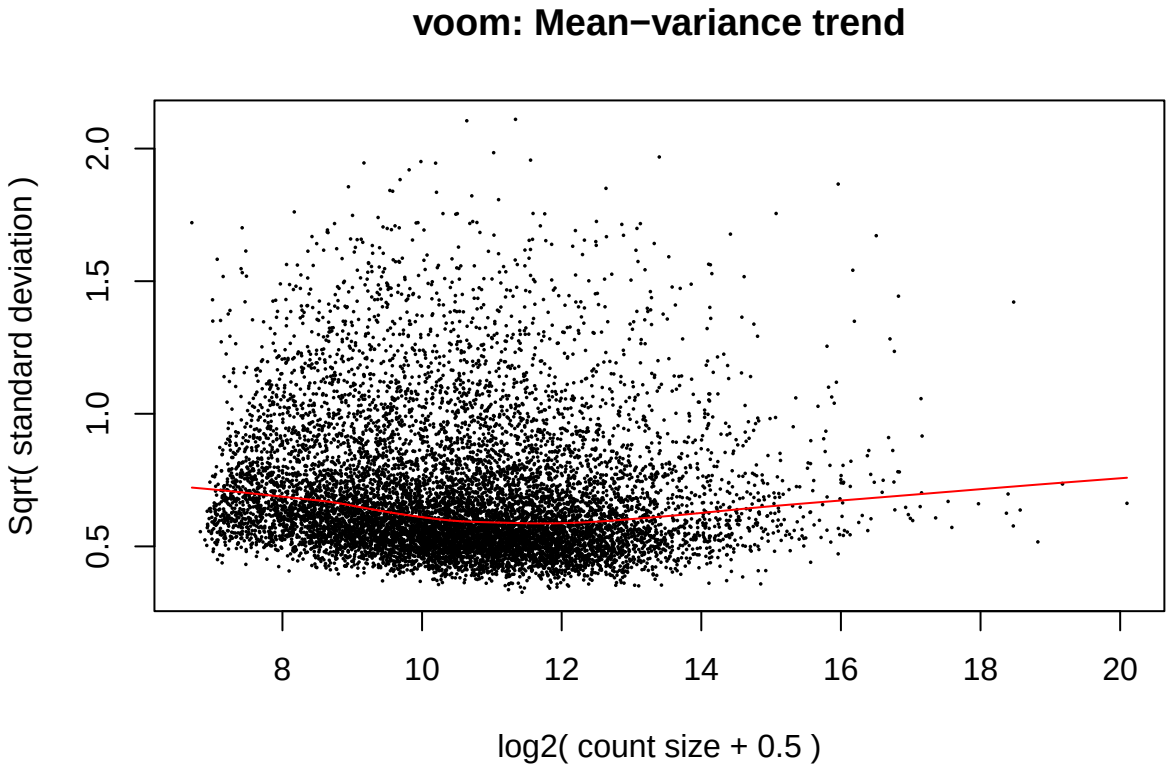
Sofia Illescas

2022-11-04

```
## [1] 43809    43
## [1] 10986    43
## [1] 10986    43
```




```
## [1] 1811
```




```
##        (Intercept) se.filt$Case.Controlcase
## Down             0                     1001
## NotSig          22                     9051
## Up           10964                      934
```

```
## NULL
```

```
##                     symbol      logFC  AveExpr         t      P.Value
## LOC105374836 LOC105374836  2.3394926 5.724802  9.039808 1.606310e-11
## LOC105375683 LOC105375683  1.6095971 1.869564  8.318650 1.618410e-10
## SCAI                 SCAI -0.7659173 3.549599 -8.065791 3.684782e-10
## SCARNA2           SCARNA2  1.8270865 6.196742  7.792646 9.021646e-10
## SNORA48           SNORA48  2.3630555 3.697018  7.677666 1.317678e-09
## SCARNA28         SCARNA28  2.5187662 1.630722  7.614637 1.622522e-09
##                  adj.P.Val        B
## LOC105374836 1.764692e-07 15.97411
## LOC105375683 8.889926e-07 13.38516
## SCAI         1.349367e-06 13.03014
## SCARNA2      2.477795e-06 12.21857
## SNORA48      2.895203e-06 11.63123
## SCARNA28     2.970838e-06 11.31671
```

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## [1] 1935
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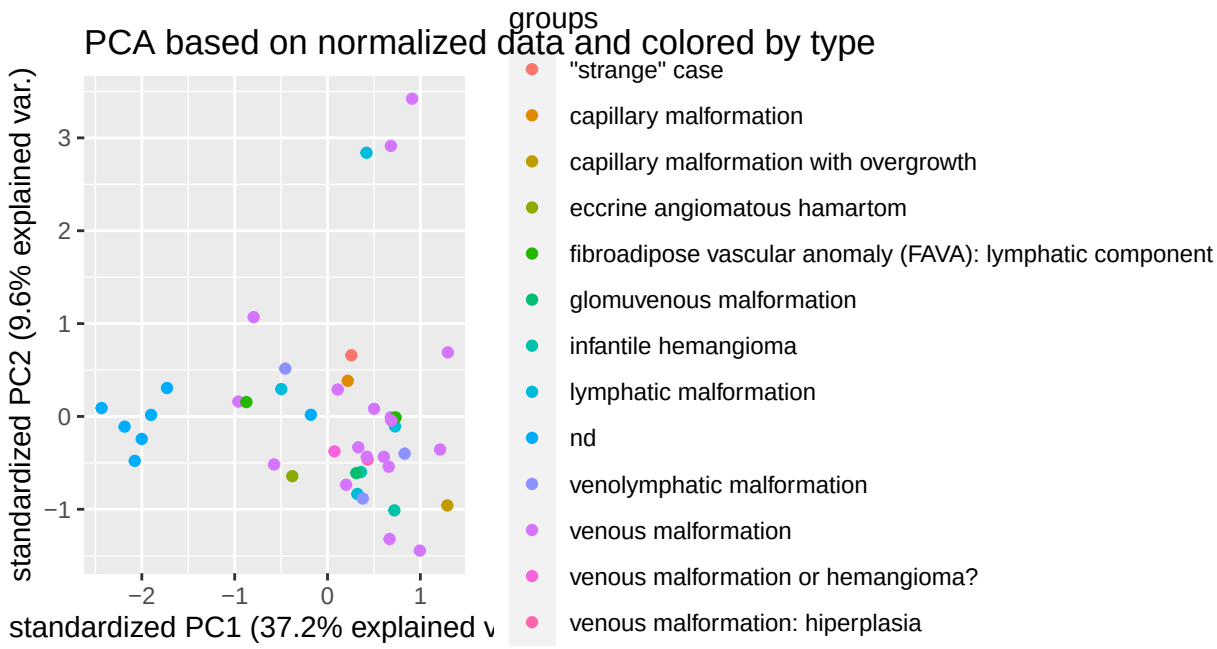
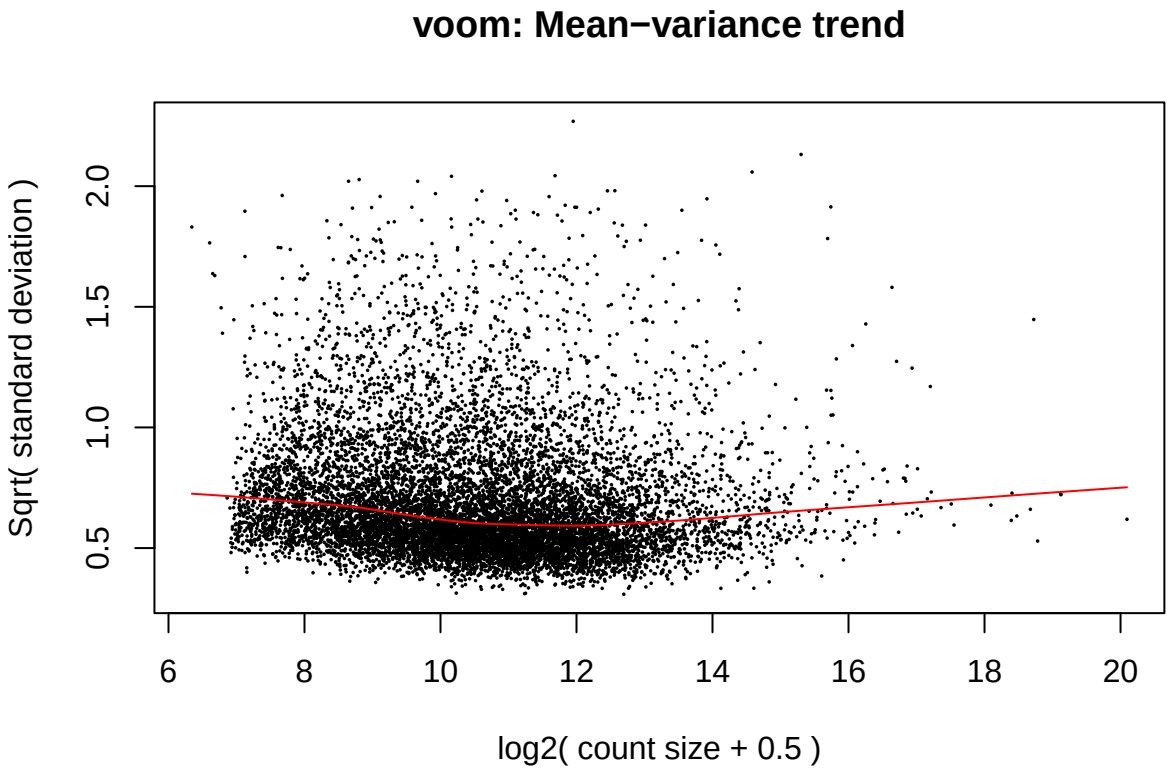
## [1] 1935
```




```
## [1] 516
```




```
##        (Intercept) se.v$Case.Controlcase
## Down             0                   286
## NotSig          94                 10370
## Up           10892                   330
```

```
##          symbol     logFC  AveExpr         t      P.Value    adj.P.Val
## OPTN       OPTN  1.449672 6.911360 10.853461 2.425113e-10 2.664229e-06
## PUS7       PUS7 -1.590528 4.536192 -8.176858 3.854749e-08 1.241798e-04
```

```
## BMS1P23 BMS1P23  1.524901 2.191032  8.378891 2.547135e-08 1.241798e-04
## TYMP       TYMP  2.965724 2.933494  8.099777 4.521385e-08 1.241798e-04
## NAXE       NAXE -1.028552 5.958453 -7.644443 1.179046e-07 2.590600e-04
## FAM78A   FAM78A -4.358258 3.557586 -7.334596 2.299713e-07 3.242761e-04
##                  B
## OPTN    13.361890
## PUS7     8.774572
## BMS1P23  8.620534
## TYMP     8.132164
## NAXE     7.740234
## FAM78A   7.074960
```

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## [1] 616
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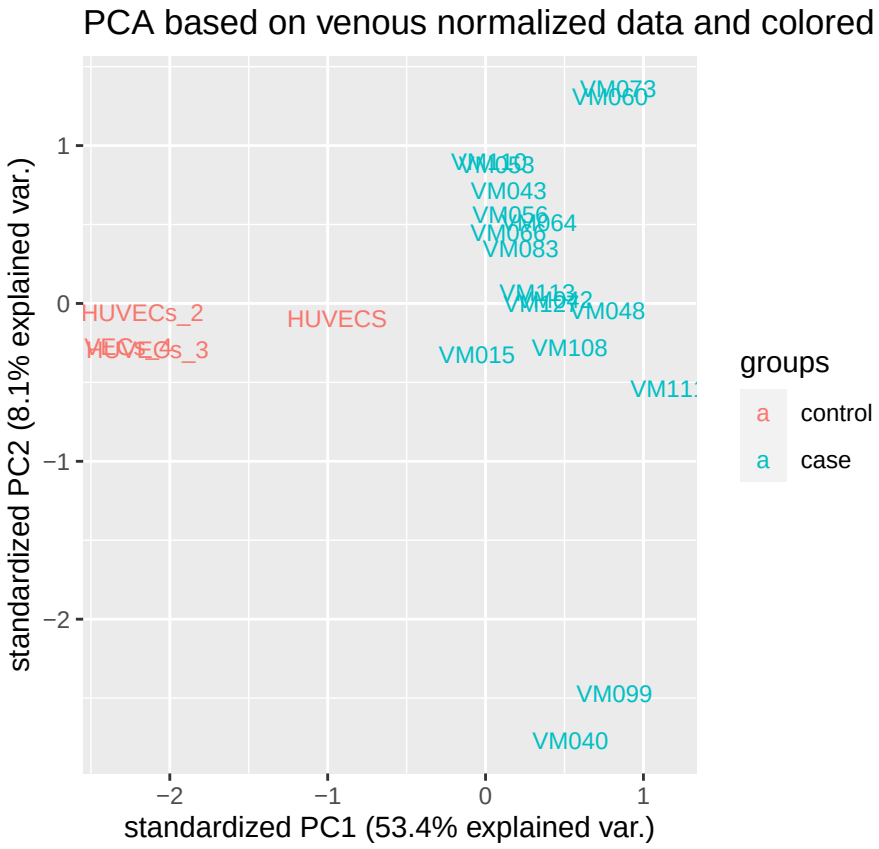
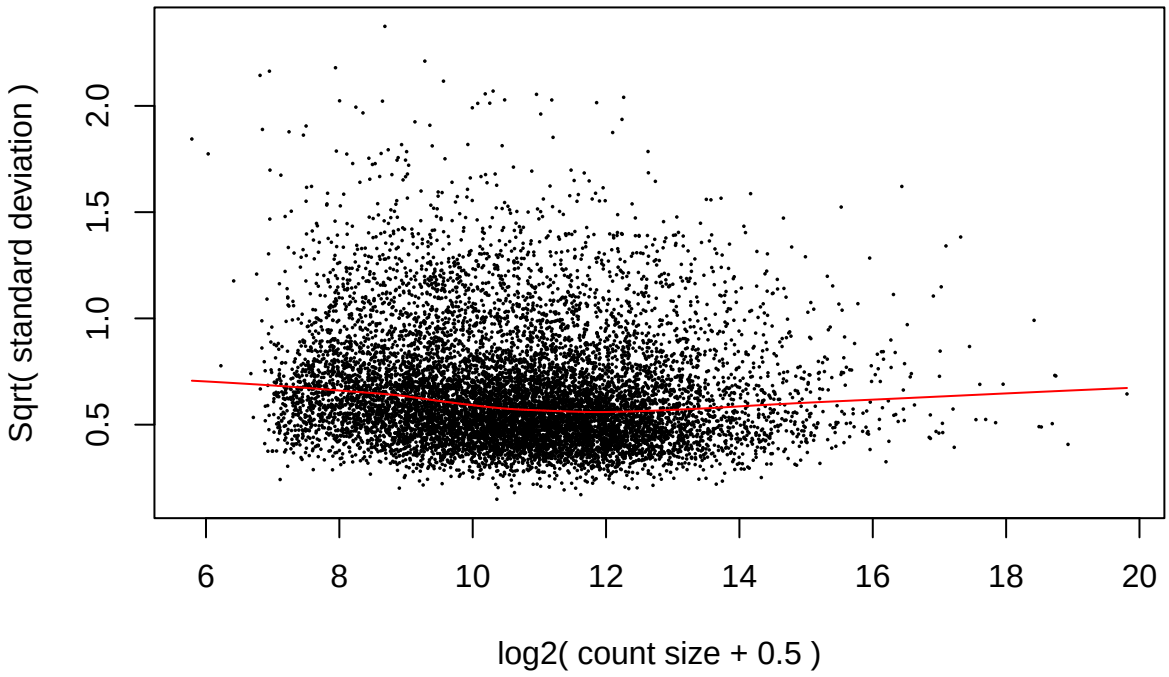
## [1] 616
```




```
## [1] 3
```




```
##                    symbol     logFC  AveExpr         t      P.Value adj.P.Val
## LOC105374836 LOC105374836  2.126922 5.115864  11.28716 8.951972e-06 0.0366018
## ALDH1A1           ALDH1A1 -7.190954 6.571429 -11.20286 9.415297e-06 0.0366018
## VEGFC               VEGFC  4.505255 3.446348  11.10377 9.995029e-06 0.0366018
##                        B
## LOC105374836 3.581247
## ALDH1A1      3.210552
## VEGFC        3.025642
```

```
## [1] 3
```

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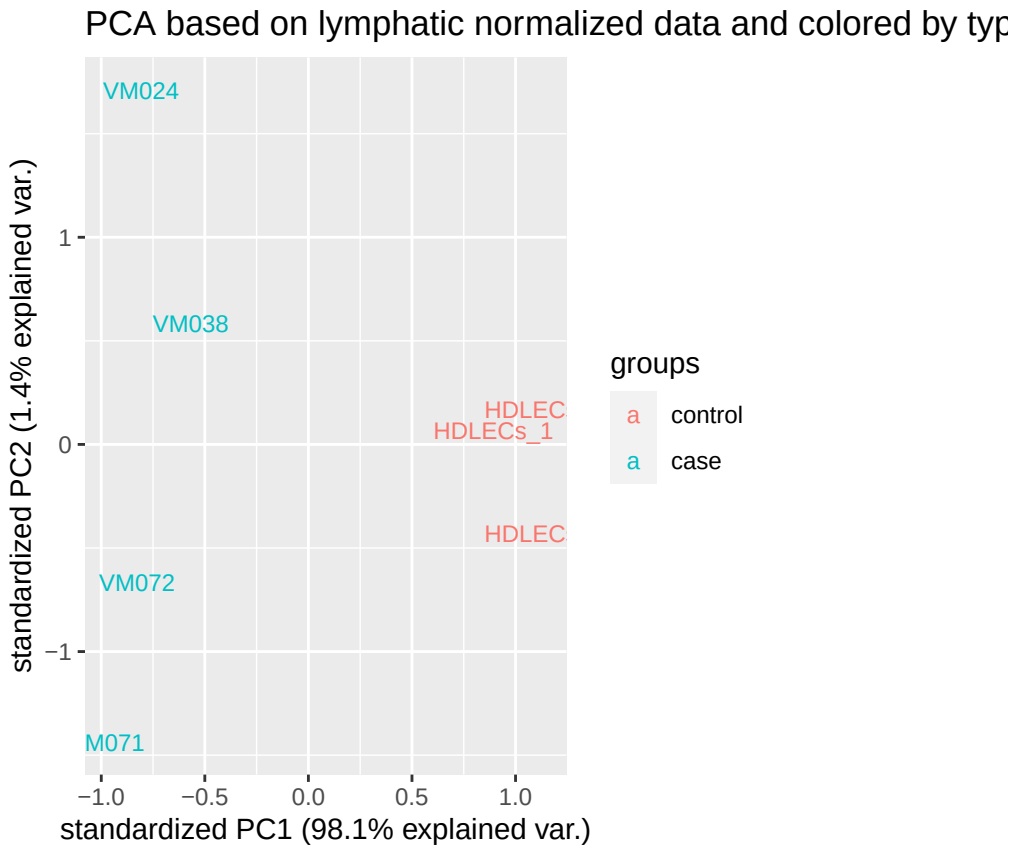
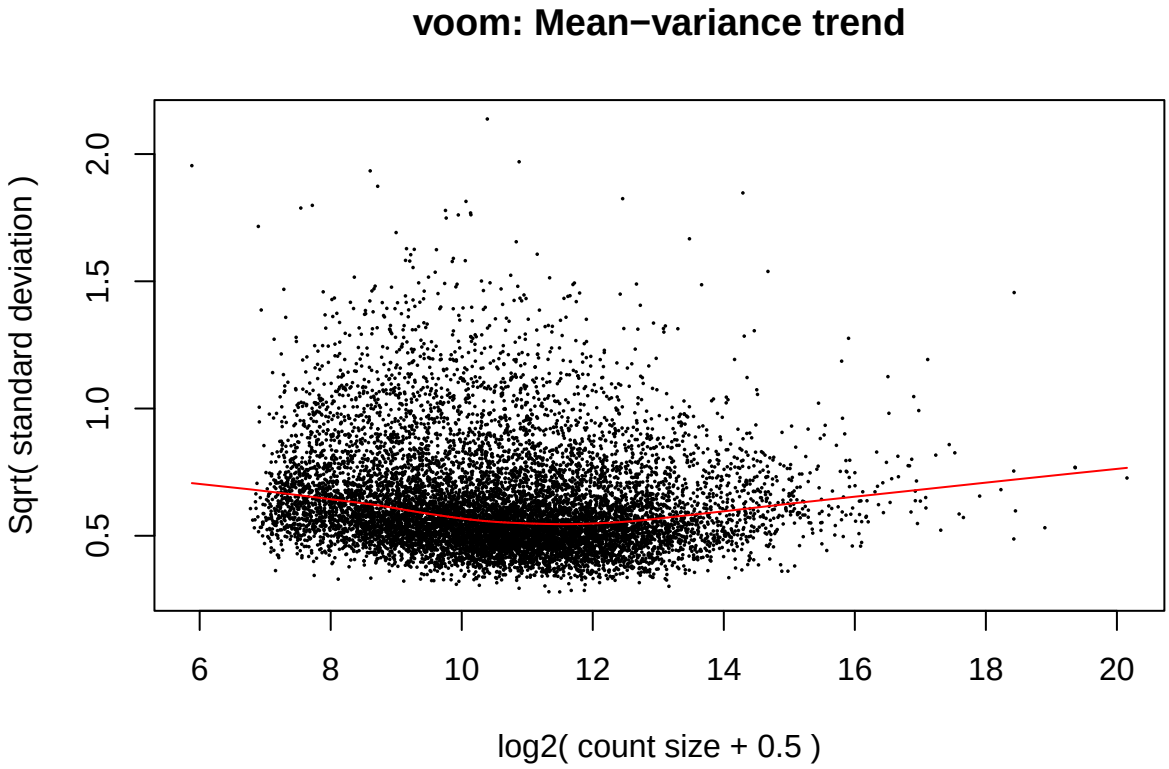
## [1] 3
```




```
## [1] 473
```




```
##         symbol     logFC  AveExpr         t      P.Value    adj.P.Val        B
```

```
## RASAL3 RASAL3  3.810605 4.379628 13.255328 6.047572e-11 6.643862e-07 13.147350
## GYPC     GYPC  4.176837 6.510530  9.279255 2.020730e-08 1.109987e-04  9.190937
## OPTN     OPTN  1.278029 6.719626  7.726916 3.140949e-07 1.150215e-03  6.893987
## FUT8     FUT8 -1.686969 4.773228 -7.261546 7.601312e-07 2.069360e-03  6.062193
## ACSL5   ACSL5  3.473502 4.921777  7.150957 9.418167e-07 2.069360e-03  5.696006
## SREBF1 SREBF1  1.165336 5.945596  6.860905 1.665358e-06 2.243394e-03  5.331981
```

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## [1] 681
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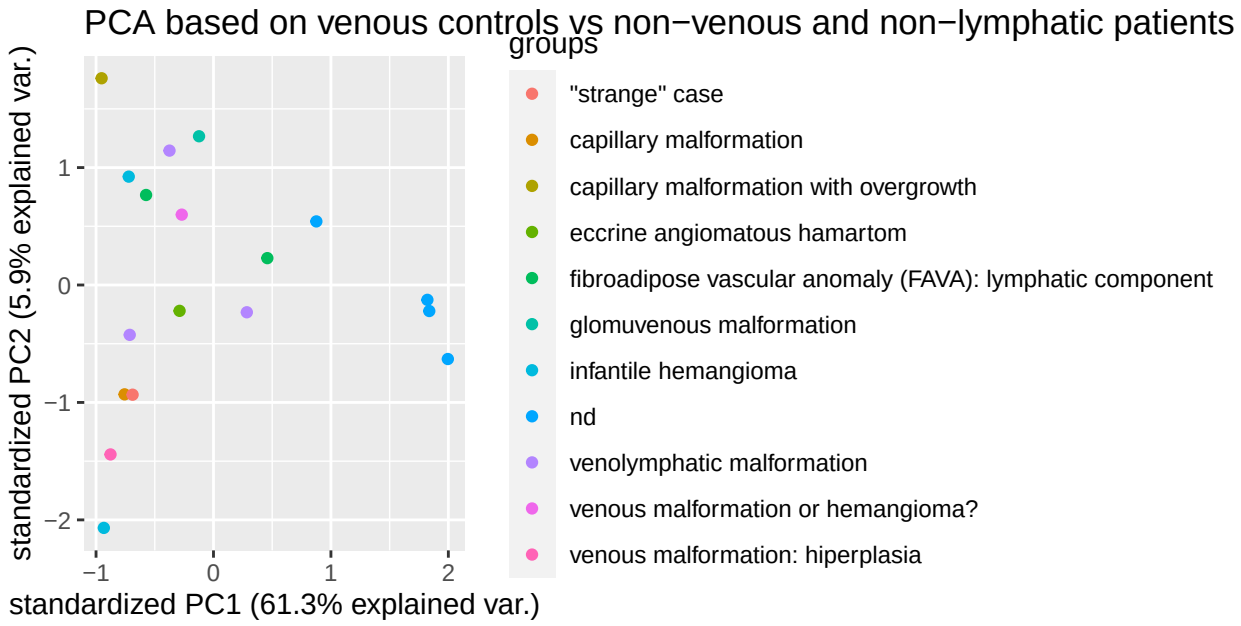
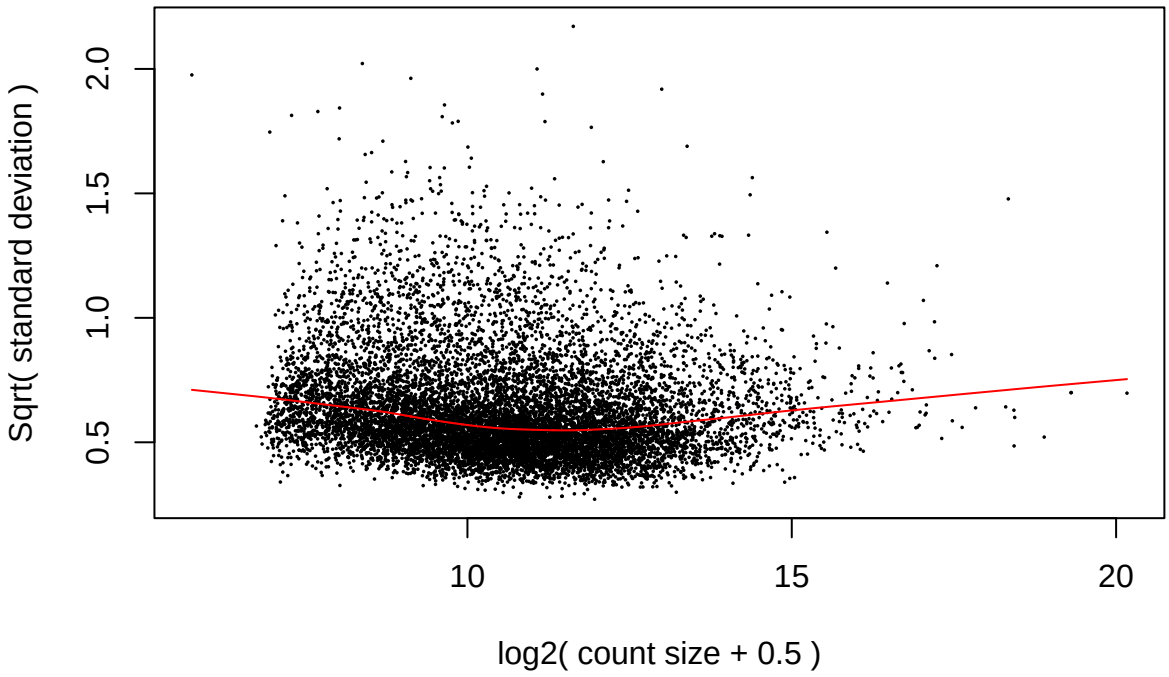
## [1] 681
```




```
## [1] 1249
```




```
##              symbol     logFC  AveExpr          t      P.Value    adj.P.Val
## OLFML3       OLFML3 -3.418381 1.875348 -11.035563 2.539274e-09 2.789647e-05
## EVA1B         EVA1B  1.347267 5.574731   9.928212 1.272946e-08 6.992294e-05
## TUT7           TUT7 -1.023261 5.141309  -9.375319 2.990122e-08 8.005664e-05
## SRGAP3       SRGAP3 -2.500728 2.163224  -9.275086 3.503816e-08 8.005664e-05
## ADGRL2       ADGRL2  4.225769 6.695049   9.250470 3.643575e-08 8.005664e-05
## LINC01128 LINC01128 -2.365037 3.241381  -8.785691 7.728836e-08 1.415150e-04
##                   B
## OLFML3    11.266087
## EVA1B      9.952169
## TUT7       9.184660
## SRGAP3     8.921005
## ADGRL2     8.841104
## LINC01128  8.262082
```

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## [1] 1324
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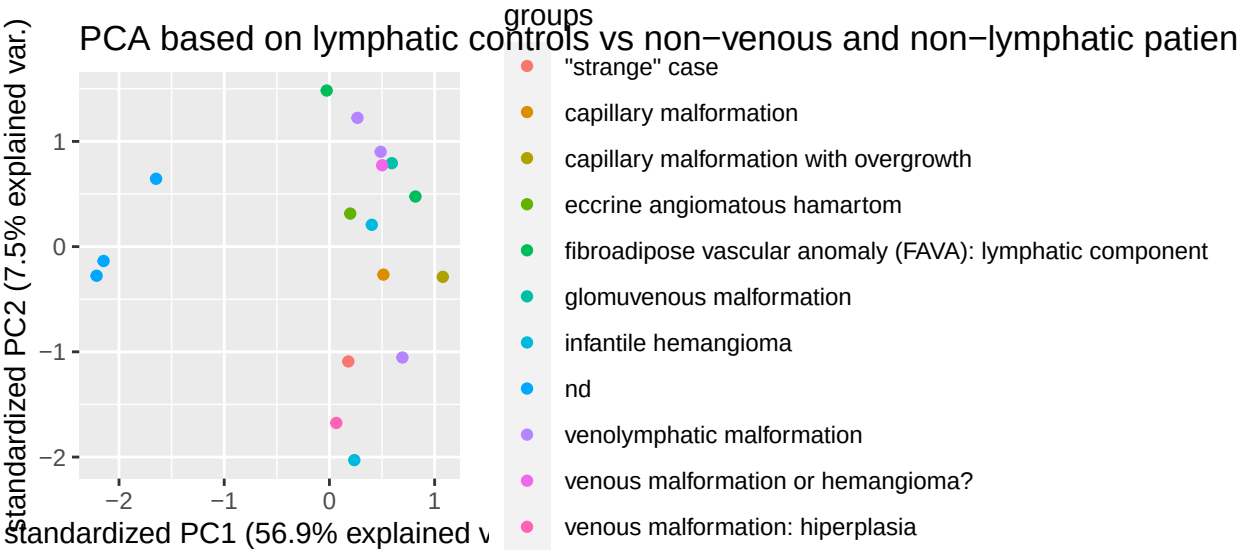
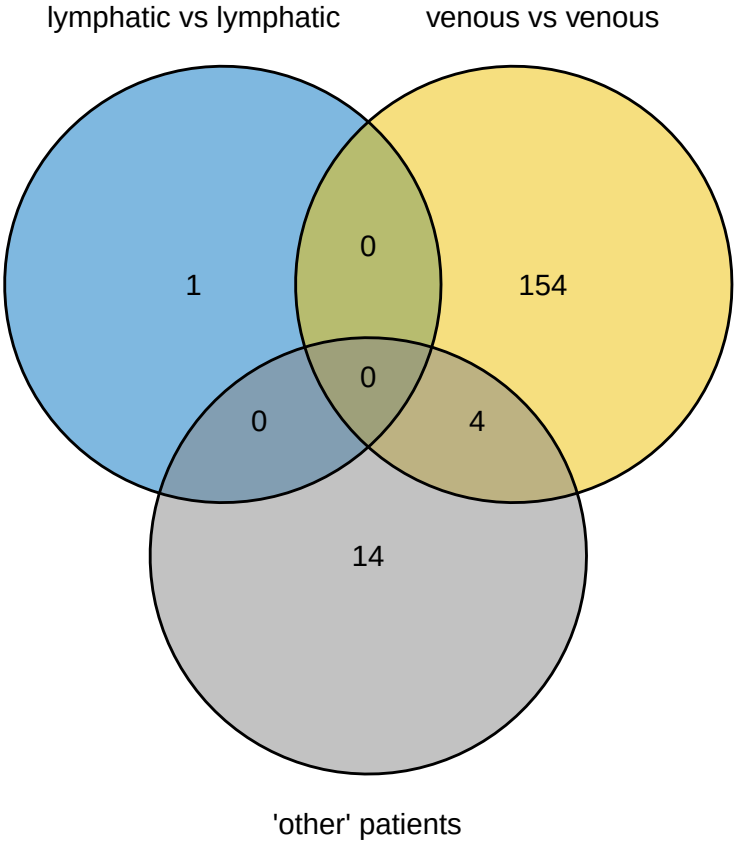
## [1] 1324
```


PCA based on lymphatic controls vs non−venous and non−lymphatic patien
standardized PC2 (7.5% explained var.)
standardized PC1 (56.9% explained v
1
0
−1
−2
−2
−1
0
1
groups
"strange" case
capillary malformation
capillary malformation with overgrowth
eccrine angiomatous hamartom
fibroadipose vascular anomaly (FAVA): lymphatic component
glomuvenous malformation
infantile hemangioma
nd
venolymphatic malformation
venous malformation or hemangioma?
venous malformation: hiperplasia

```
## [1] 295
```

```
## [1] 2
```


lymphatic vs lymphatic
venous vs venous
1
0
154
0
0
4
14
'other' patients