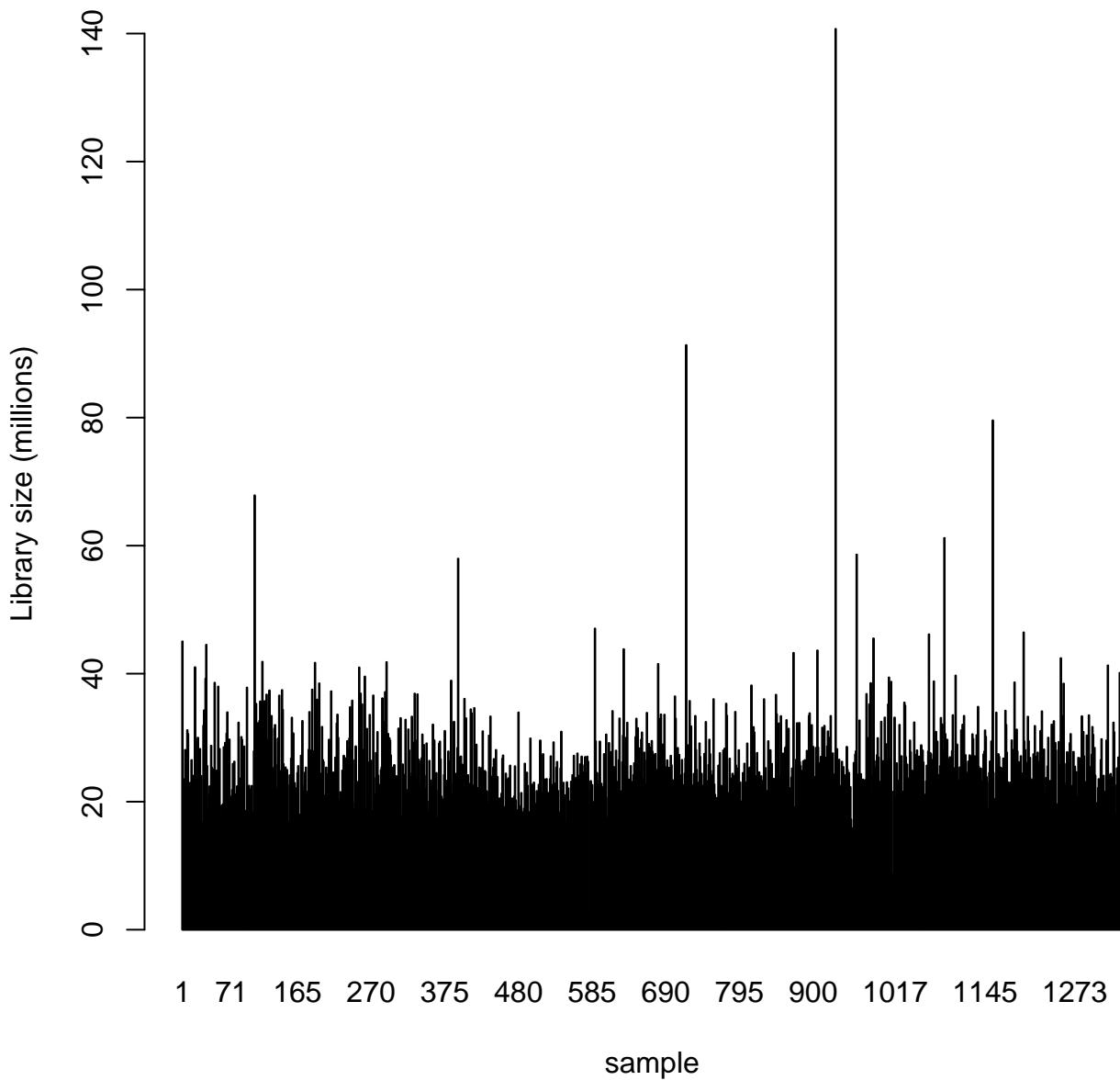
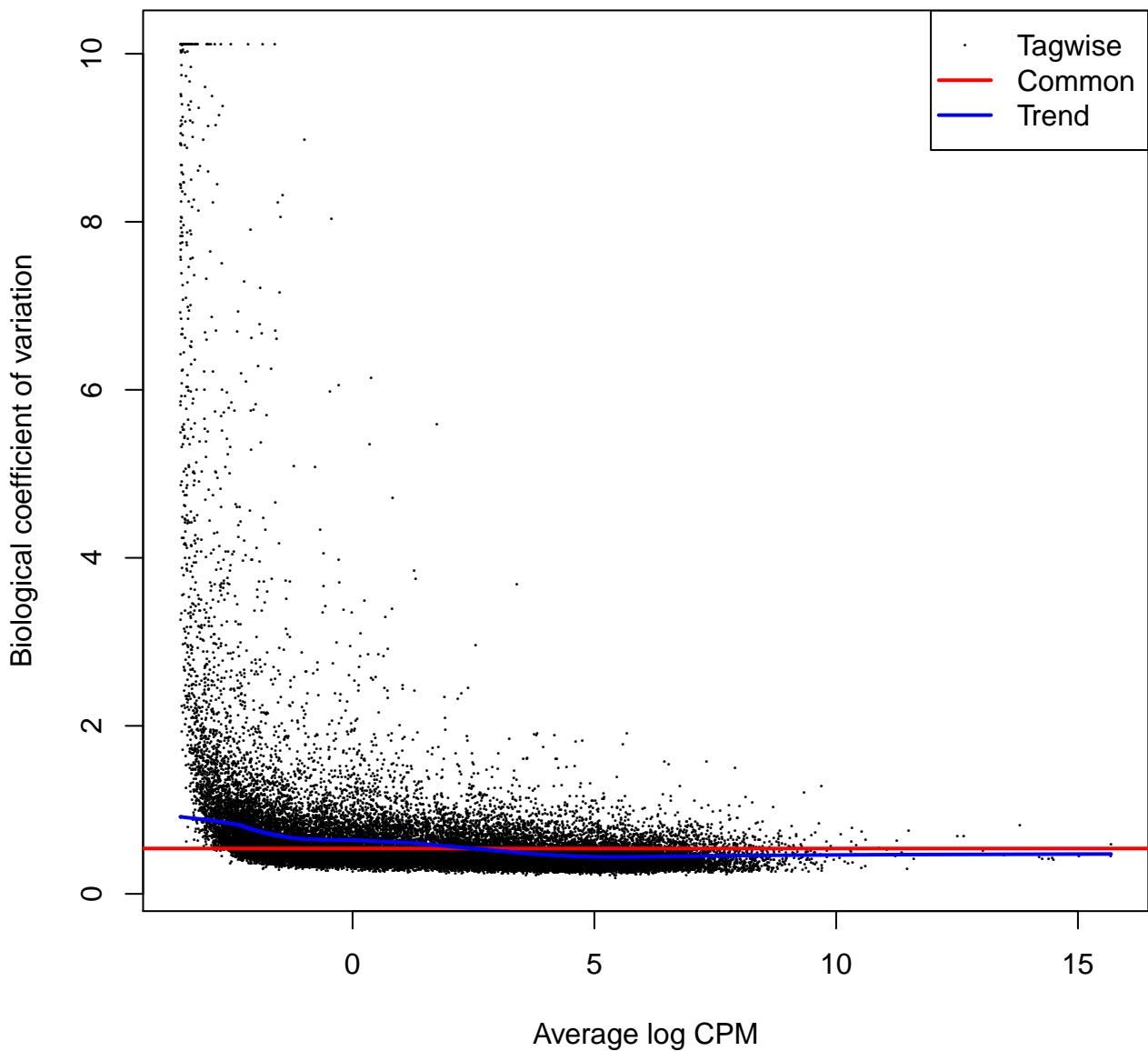


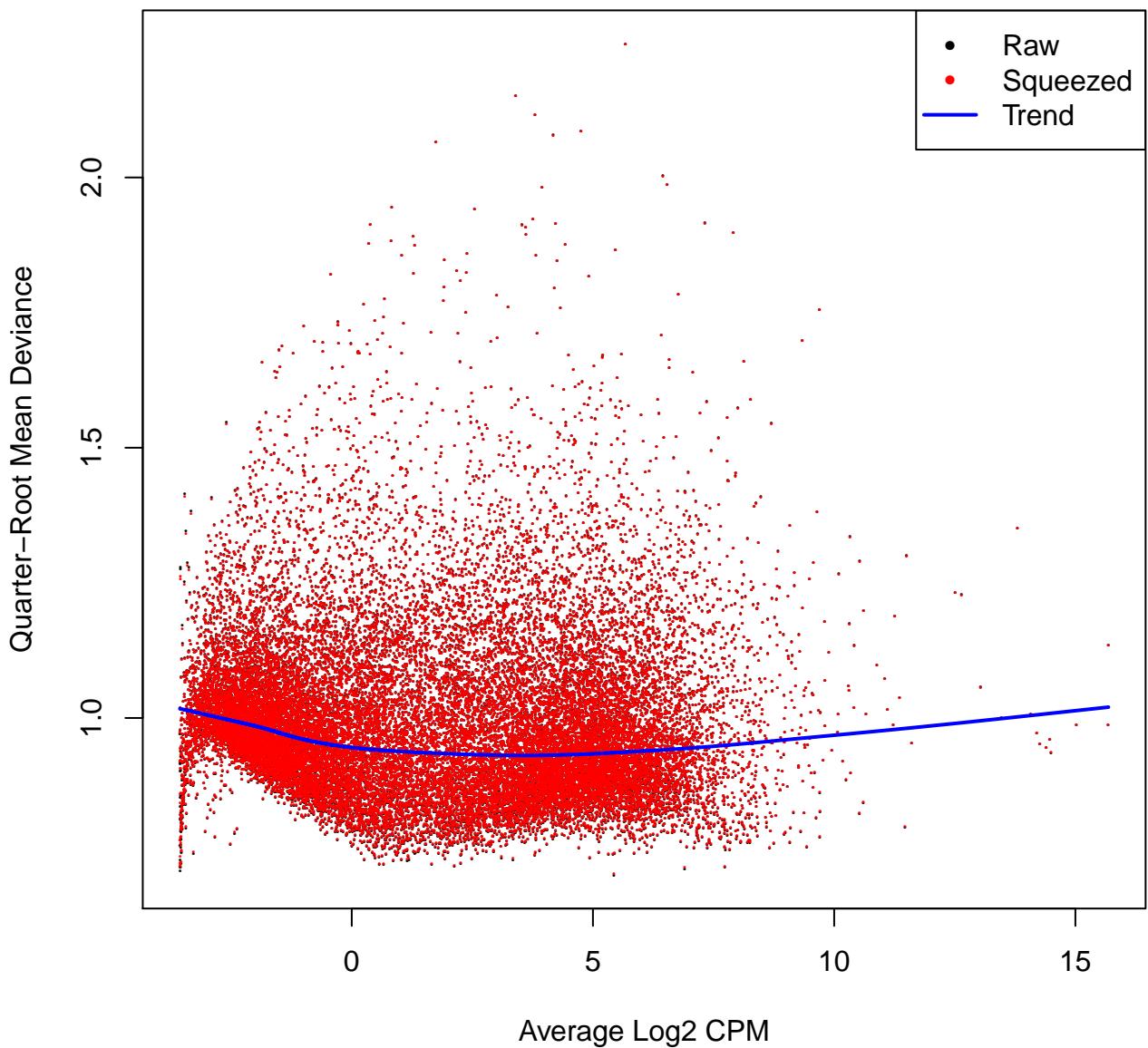
## Barplot of sample library sizes



## Biological Coefficient of Variation Plot

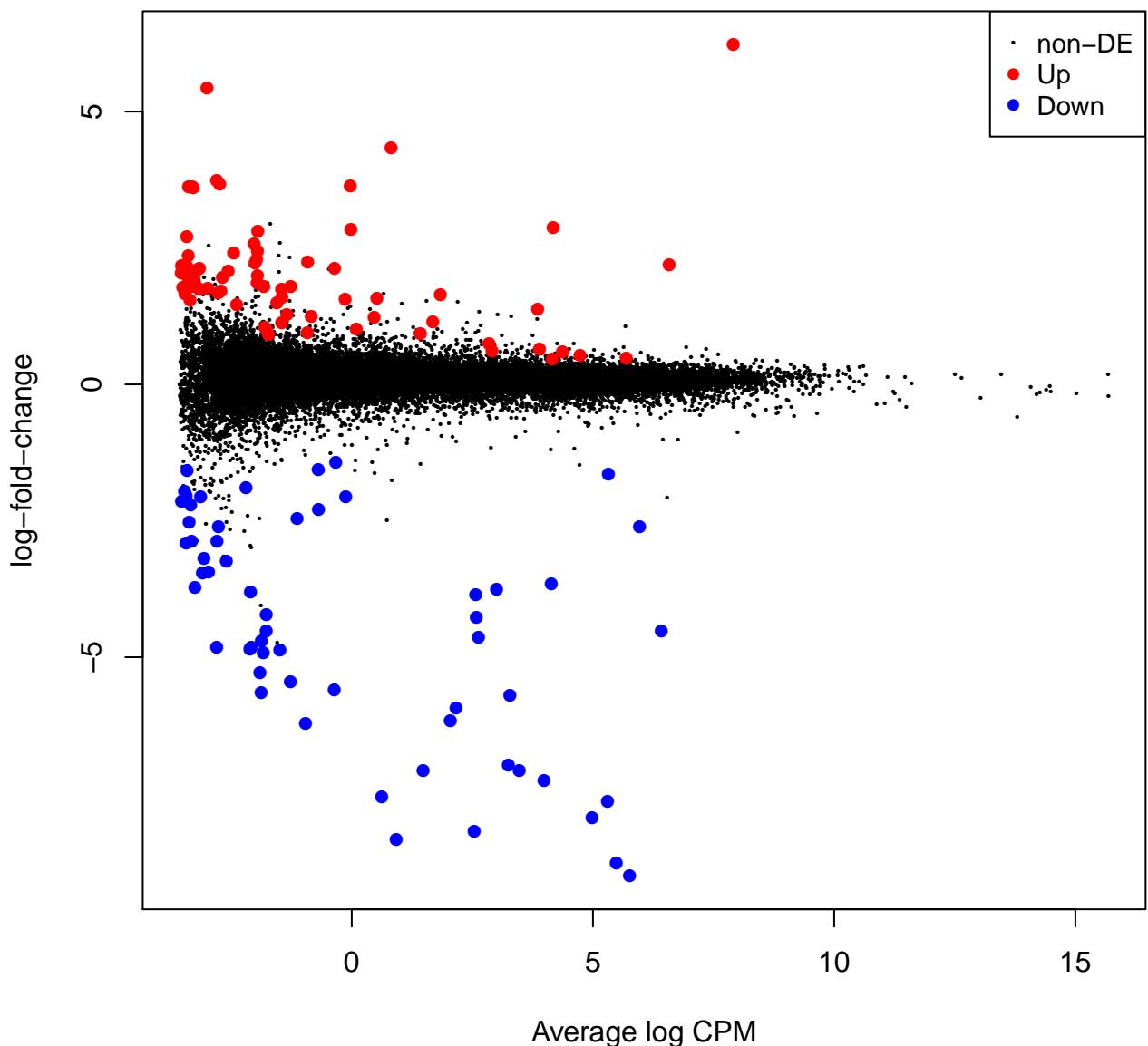


## Quasi-Likelihood Dispersion

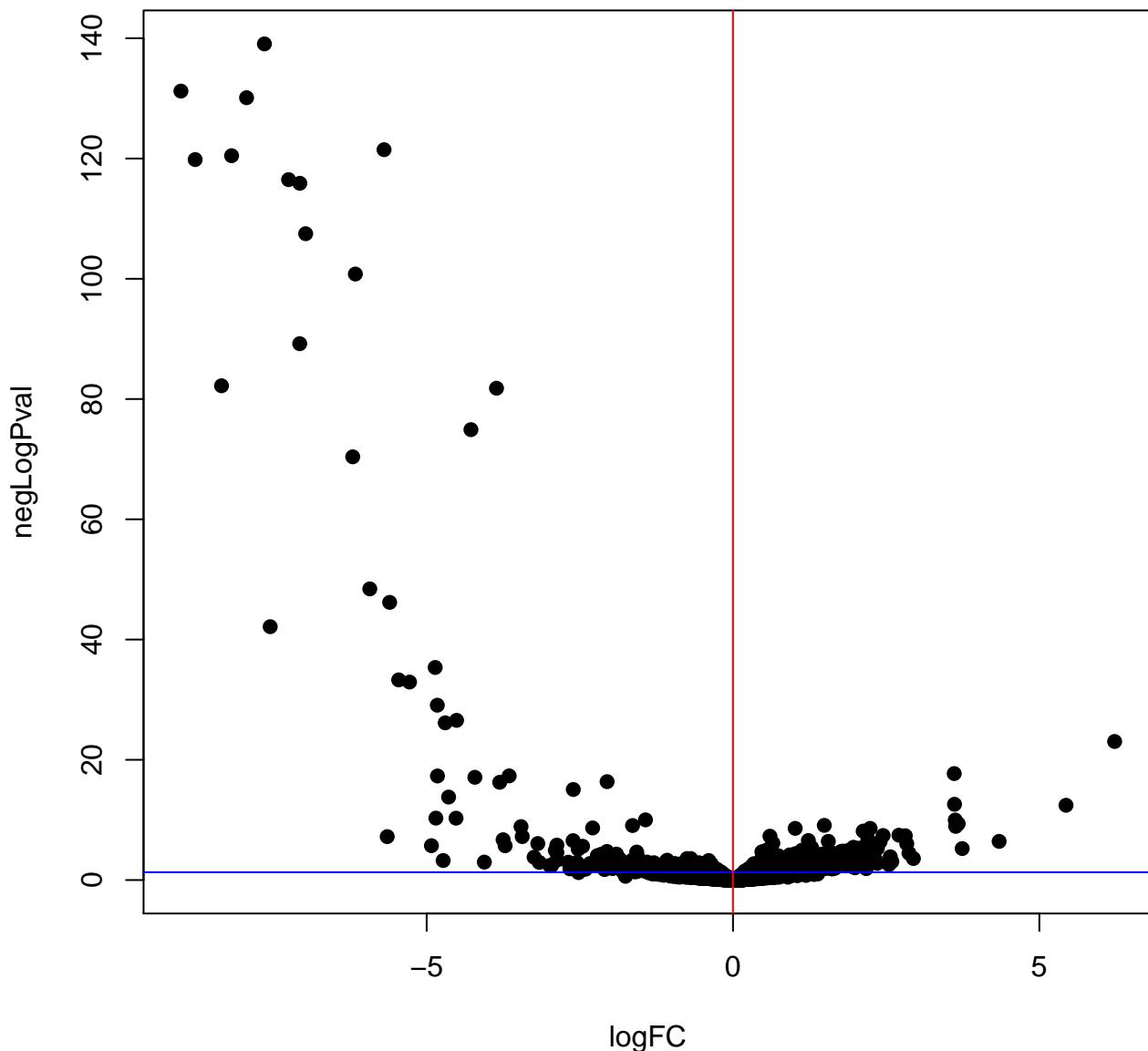


<b>1*Amygdala.Female –1*Amygdala.Male</b>	
<i>Down</i>	58
<i>NotSig</i>	29031
<i>Up</i>	72

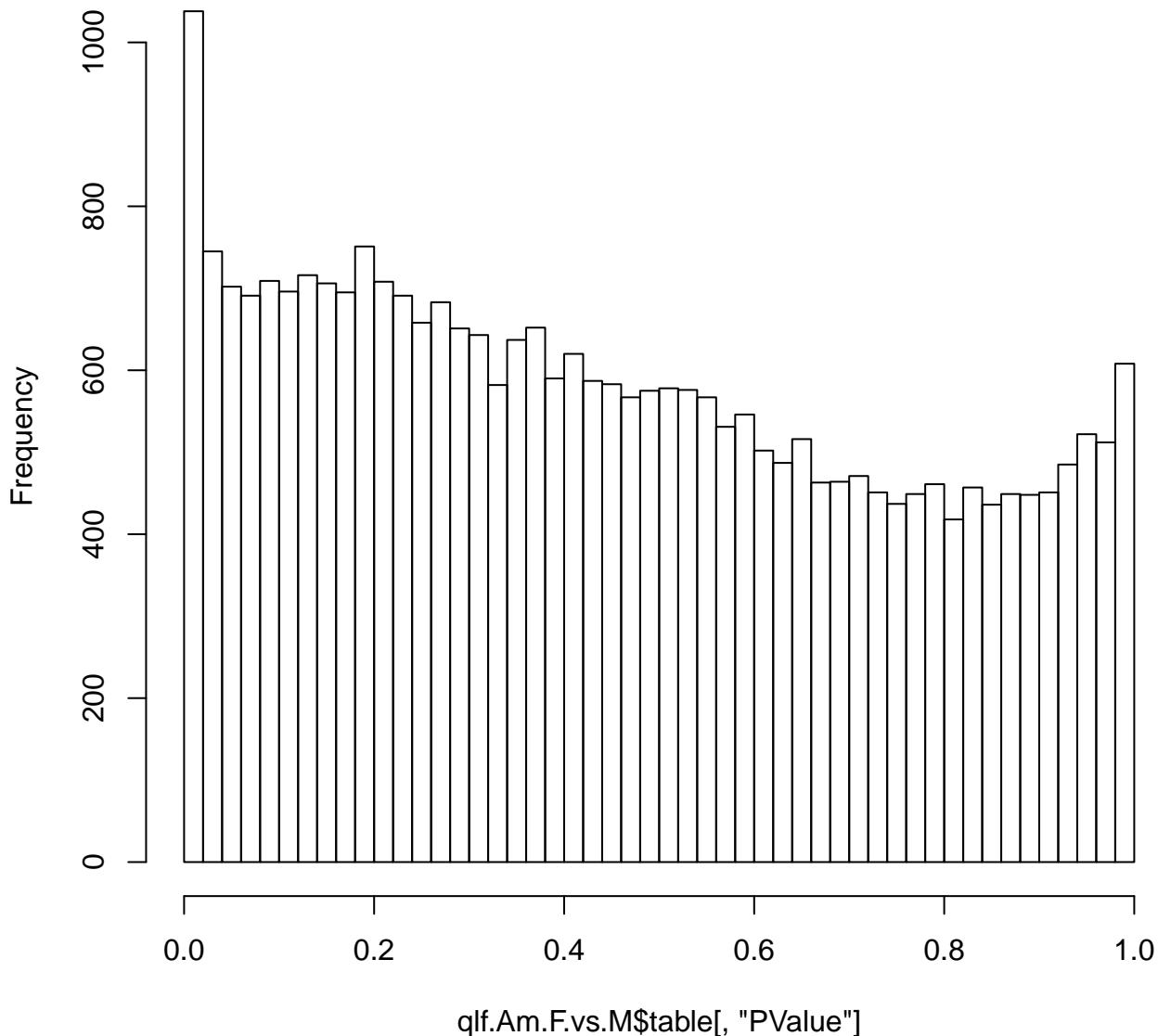
$1^*\text{Amygdala.Female} - 1^*\text{Amygdala.Male}$



Volcano plot: 1\*Amygdala.Female–1\*Amygdala.Male

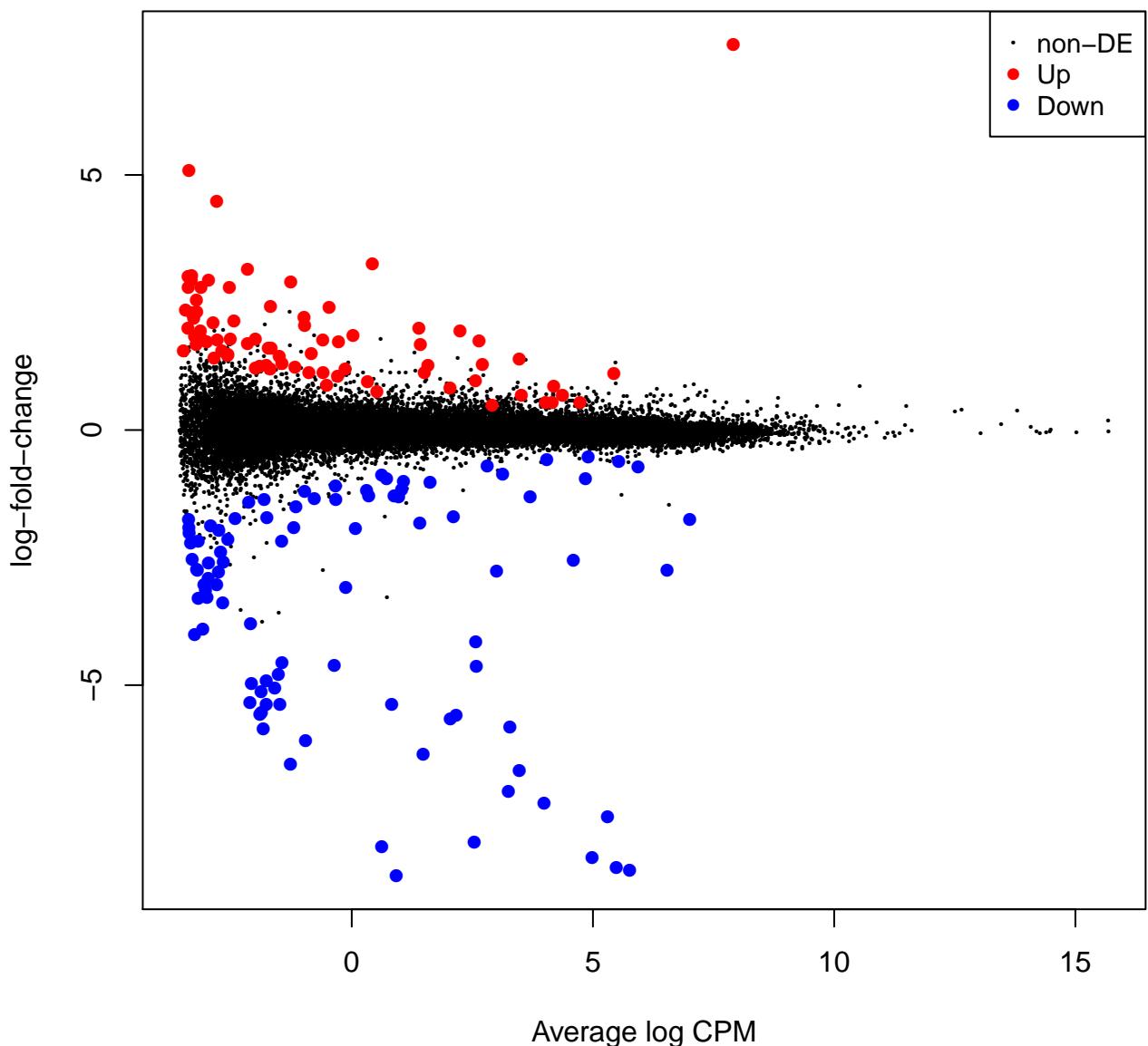


## Amygdala p-value frequency histogram

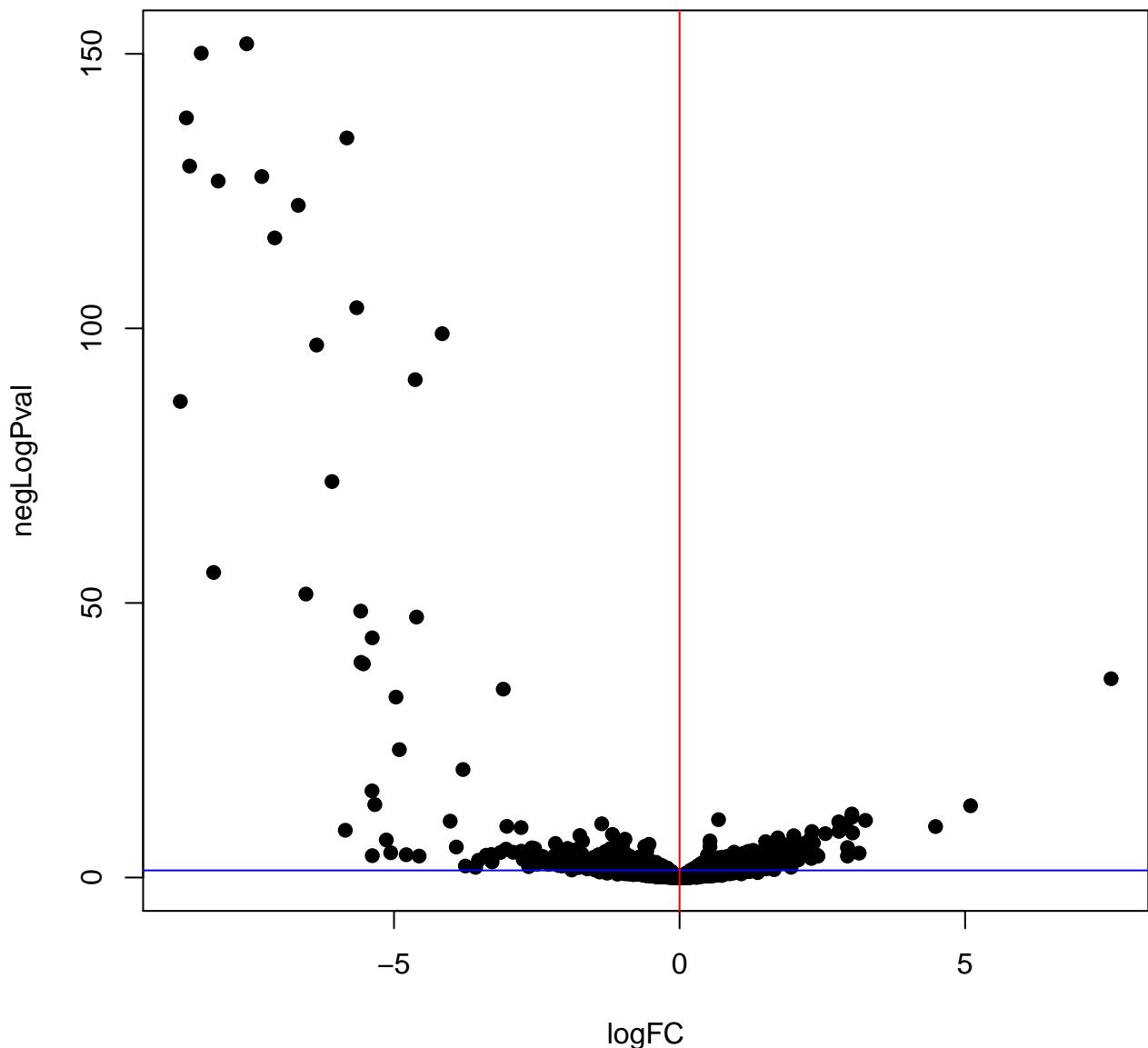


<b>1*Anterior.Female –1*Anterior.Male</b>	
<i>Down</i>	93
<i>NotSig</i>	28989
<i>Up</i>	79

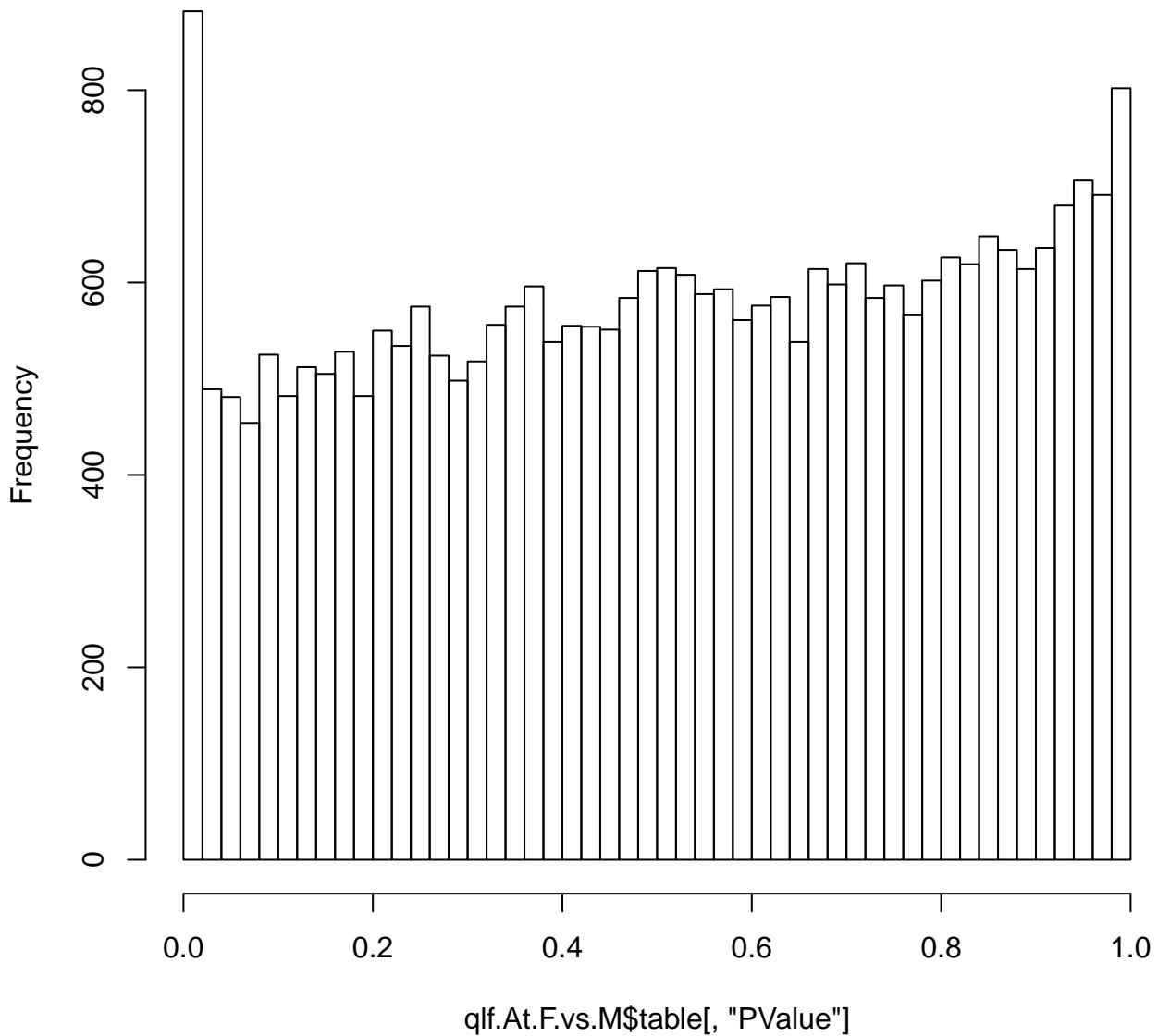
# $1^*\text{Anterior.Female} - 1^*\text{Anterior.Male}$



Volcano plot: 1\*Anterior.Female–1\*Anterior.Male



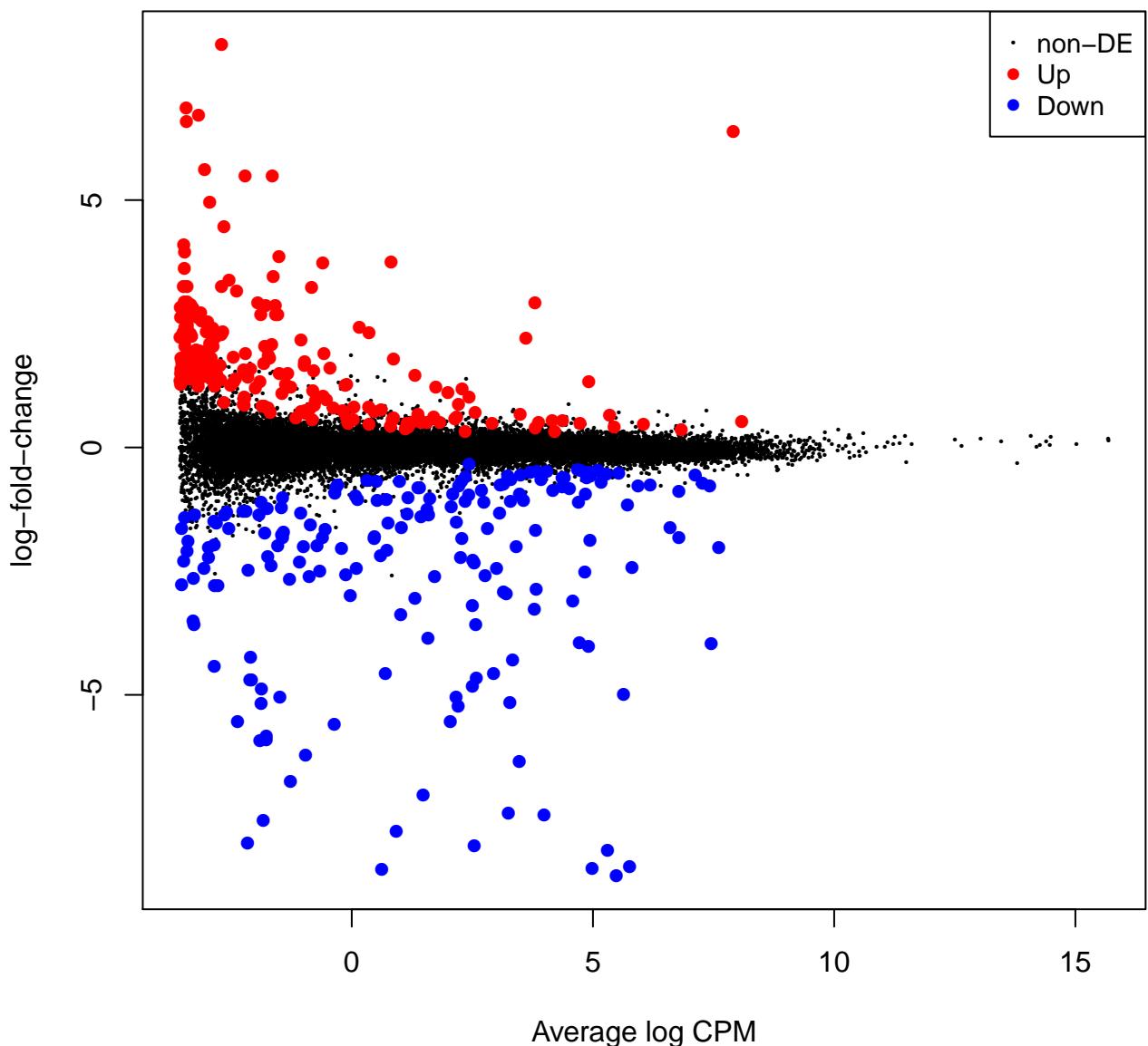
## Anterior p-value frequency histogram



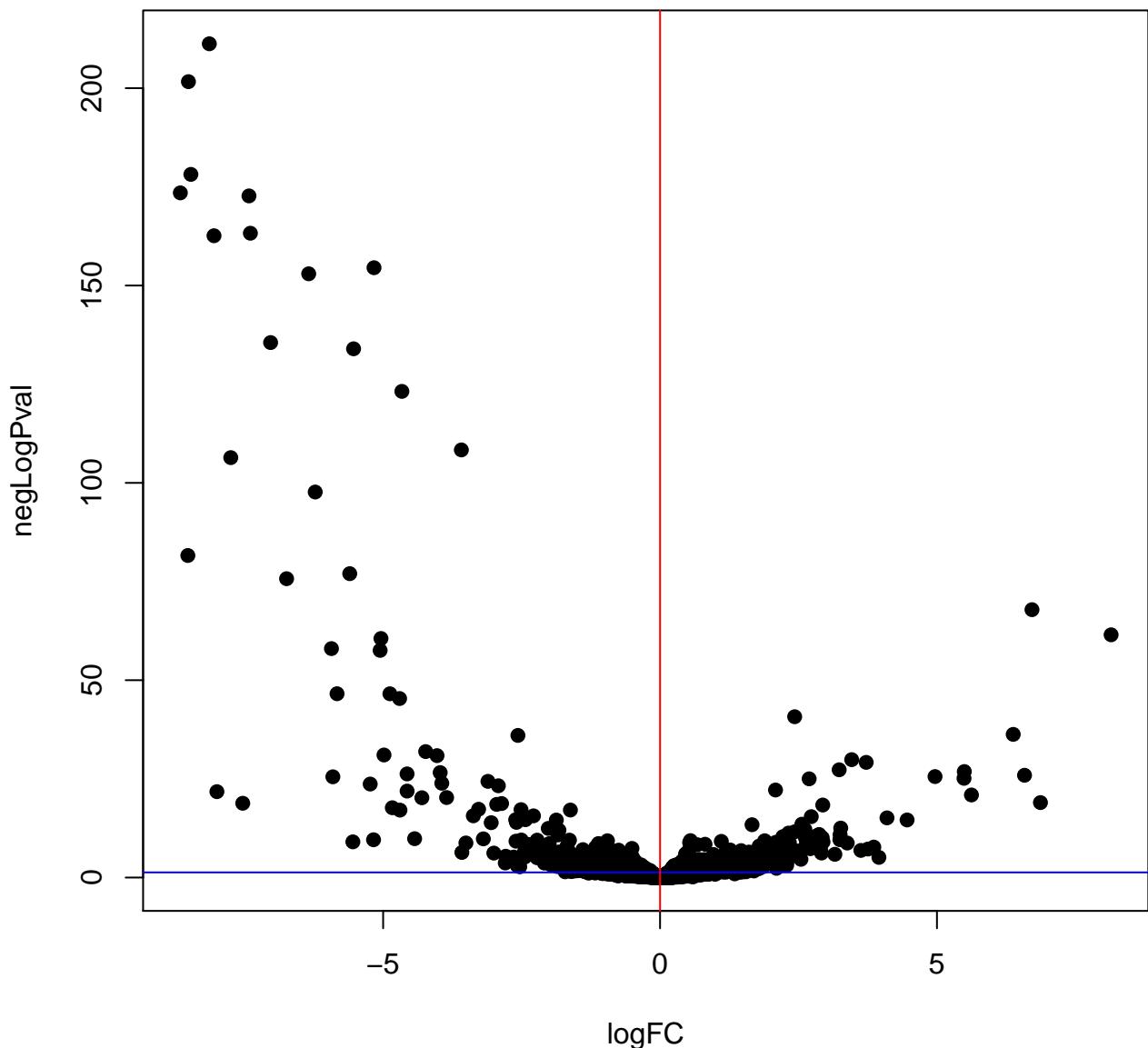
**1\*Cortex.Female -1\*Cortex.Male**

<i>Down</i>	189
<i>NotSig</i>	28774
<i>Up</i>	198

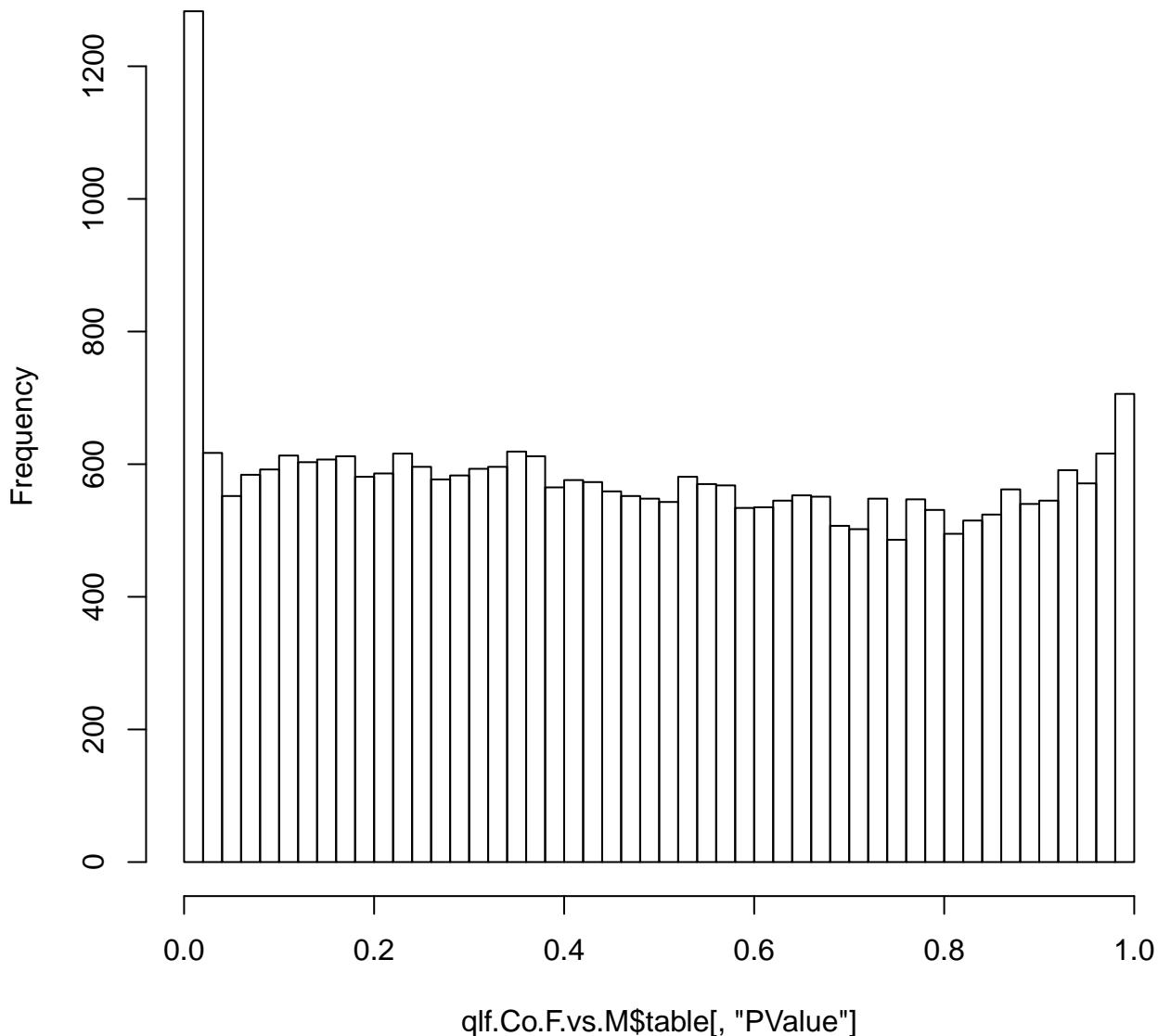
# $1^*\text{Cortex.Female} - 1^*\text{Cortex.Male}$



Volcano plot: 1\*Cortex.Female–1\*Cortex.Male

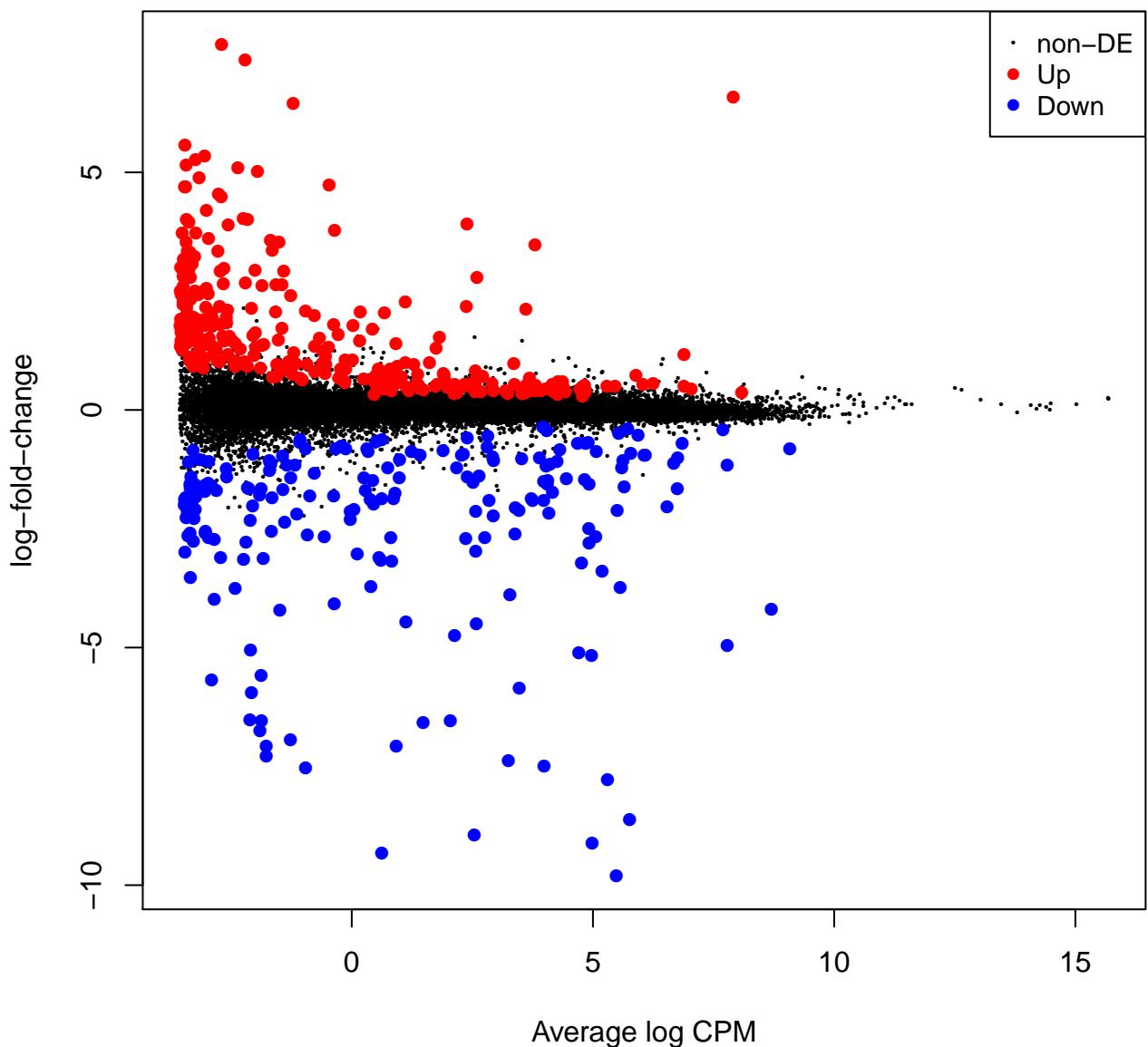


## Cortex p-value frequency histogram

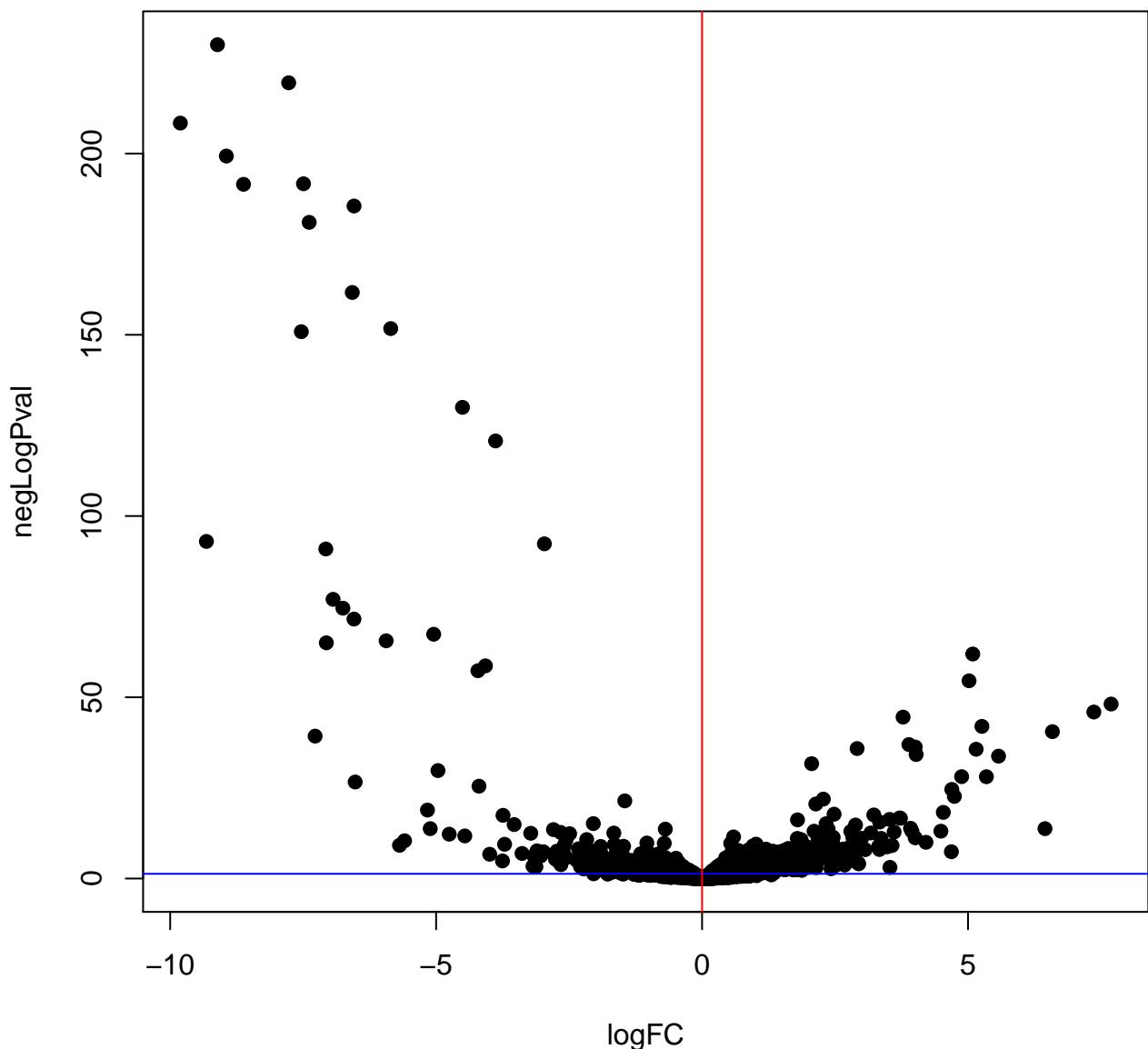


<b>1*Cerebellum.Female –1*Cerebellum.Male</b>	
<i>Down</i>	203
<i>NotSig</i>	28658
<i>Up</i>	300

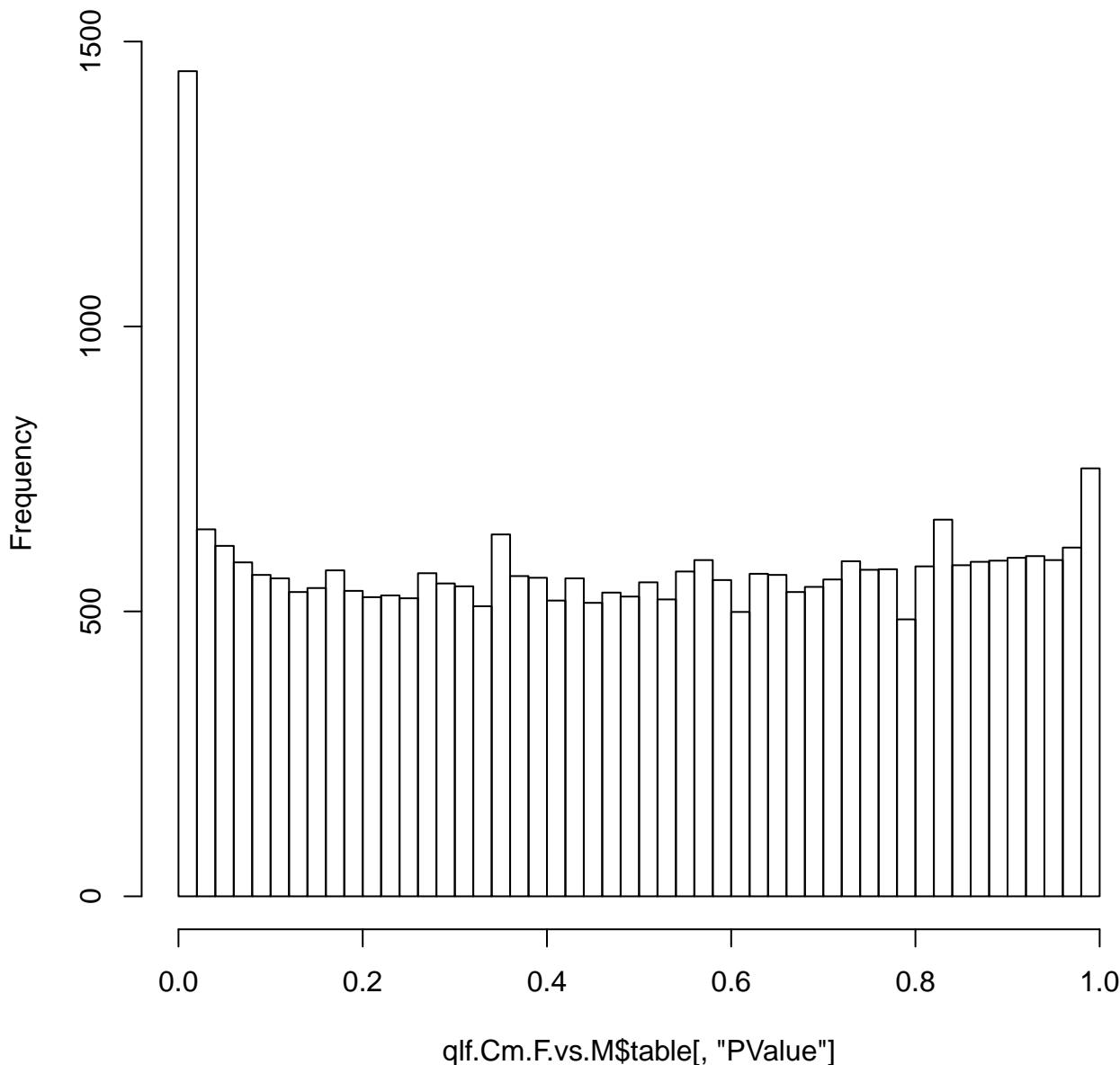
$1^*\text{Cerebellum.Female} - 1^*\text{Cerebellum.Male}$



Volcano plot: 1\*Cerebellum.Female–1\*Cerebellum.Male

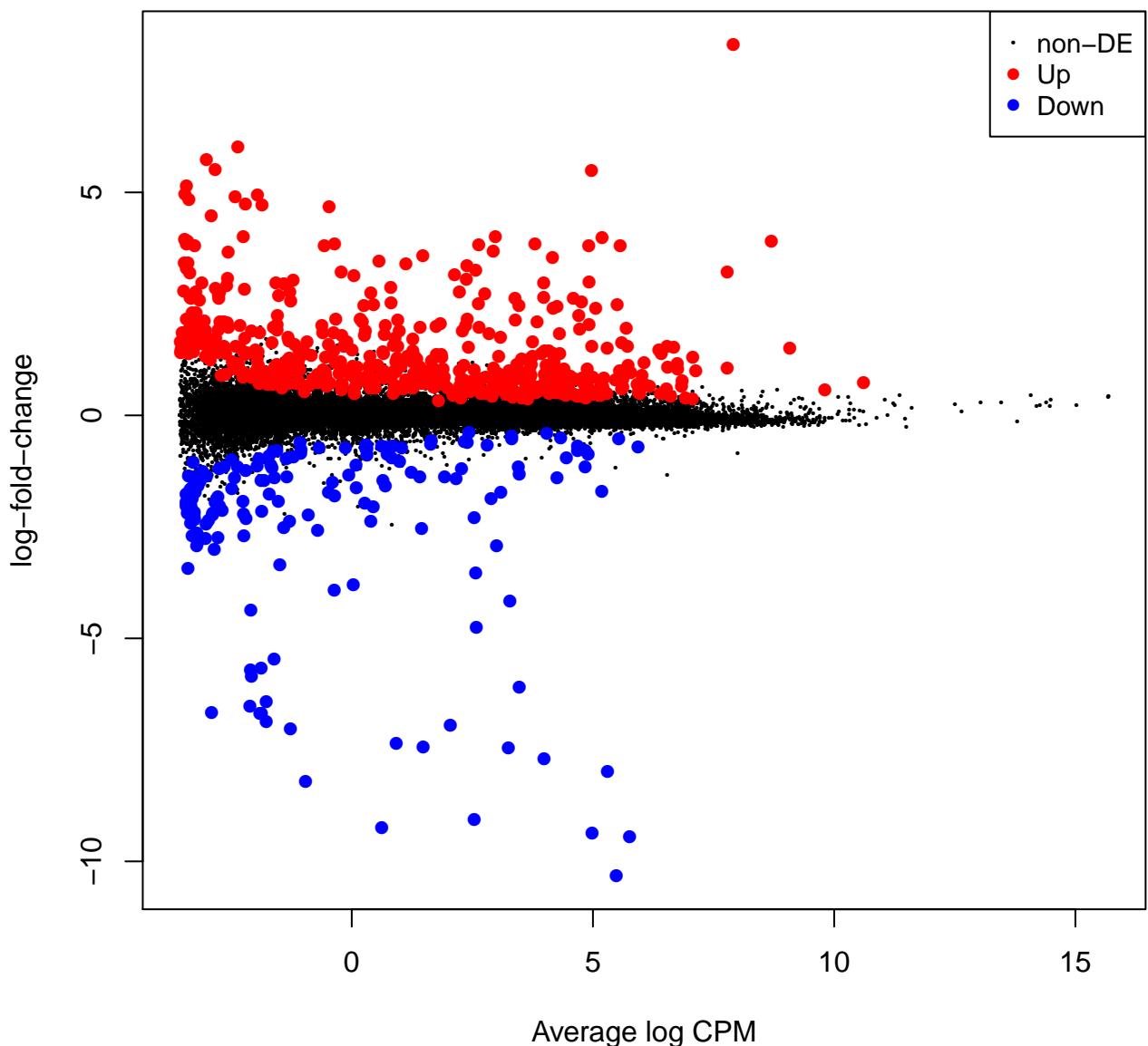


## Cerebellum p-value frequency histogram

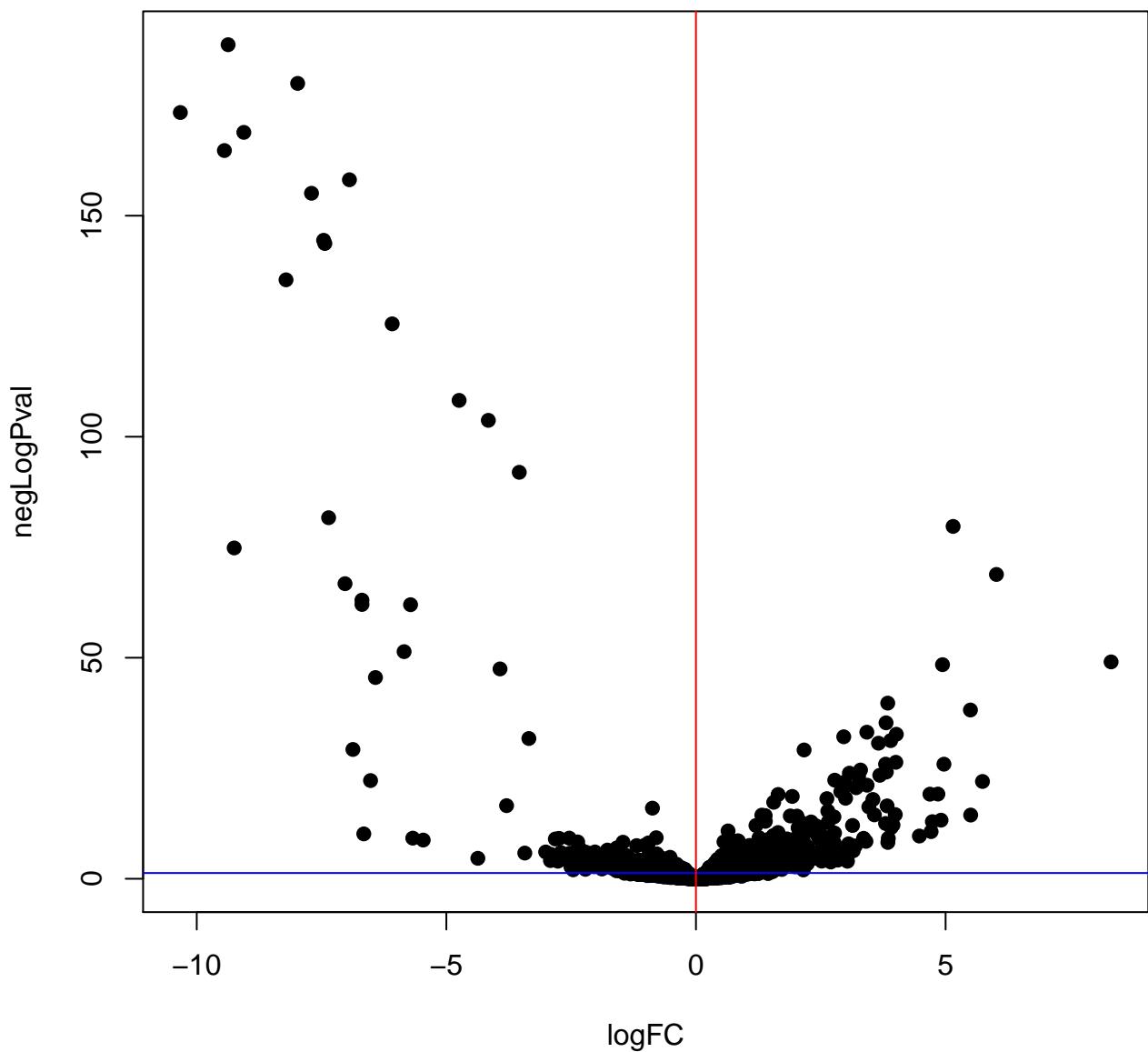


<b>1*Cerebellar.Female –1*Cerebellar.Male</b>	
<i>Down</i>	164
<i>NotSig</i>	28481
<i>Up</i>	516

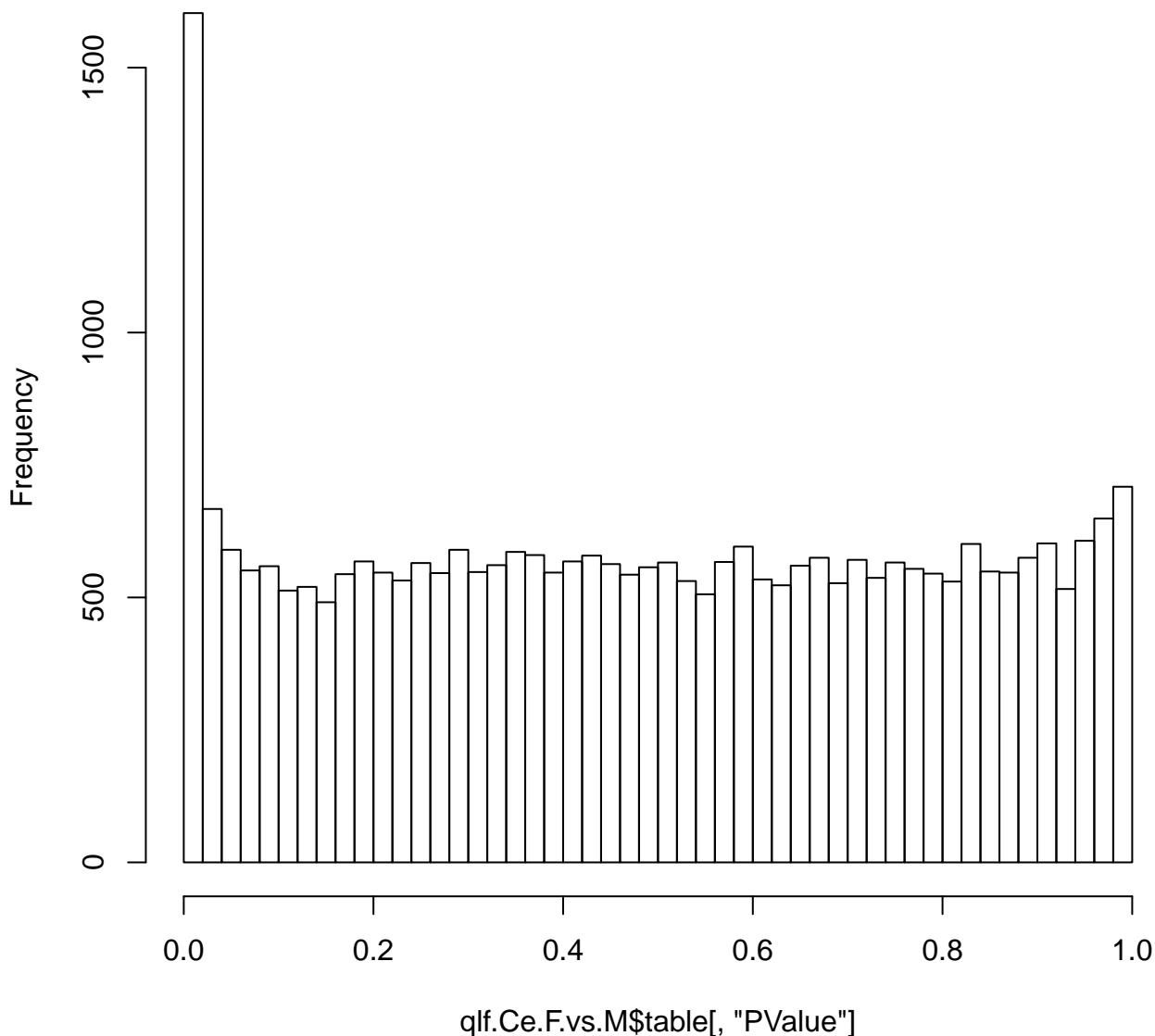
$1^*\text{Cerebellar.Female} - 1^*\text{Cerebellar.Male}$



### Volcano plot: 1\*Cerebellar.Female–1\*Cerebellar.Male



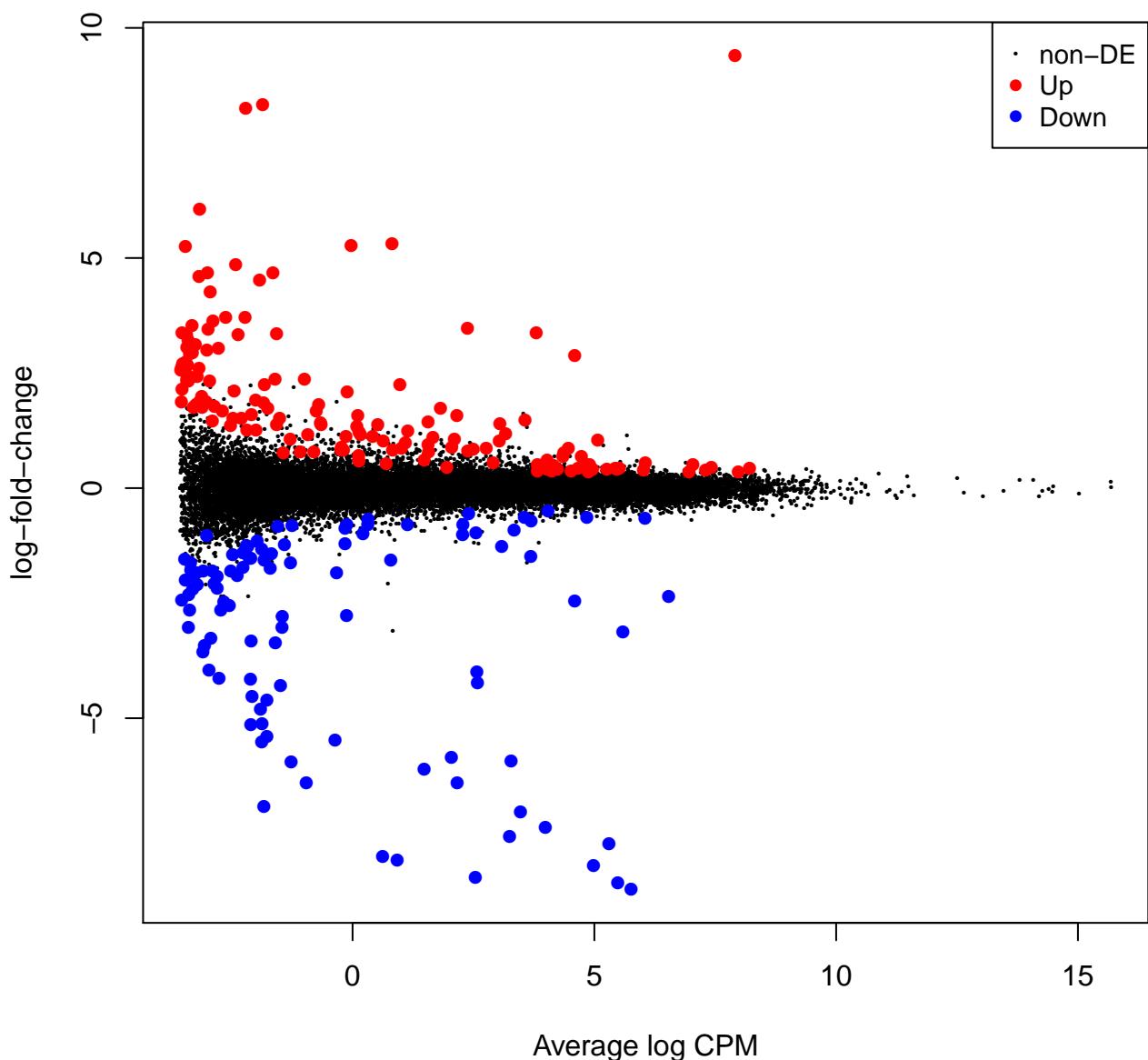
## Cerebellar p-value frequency histogram



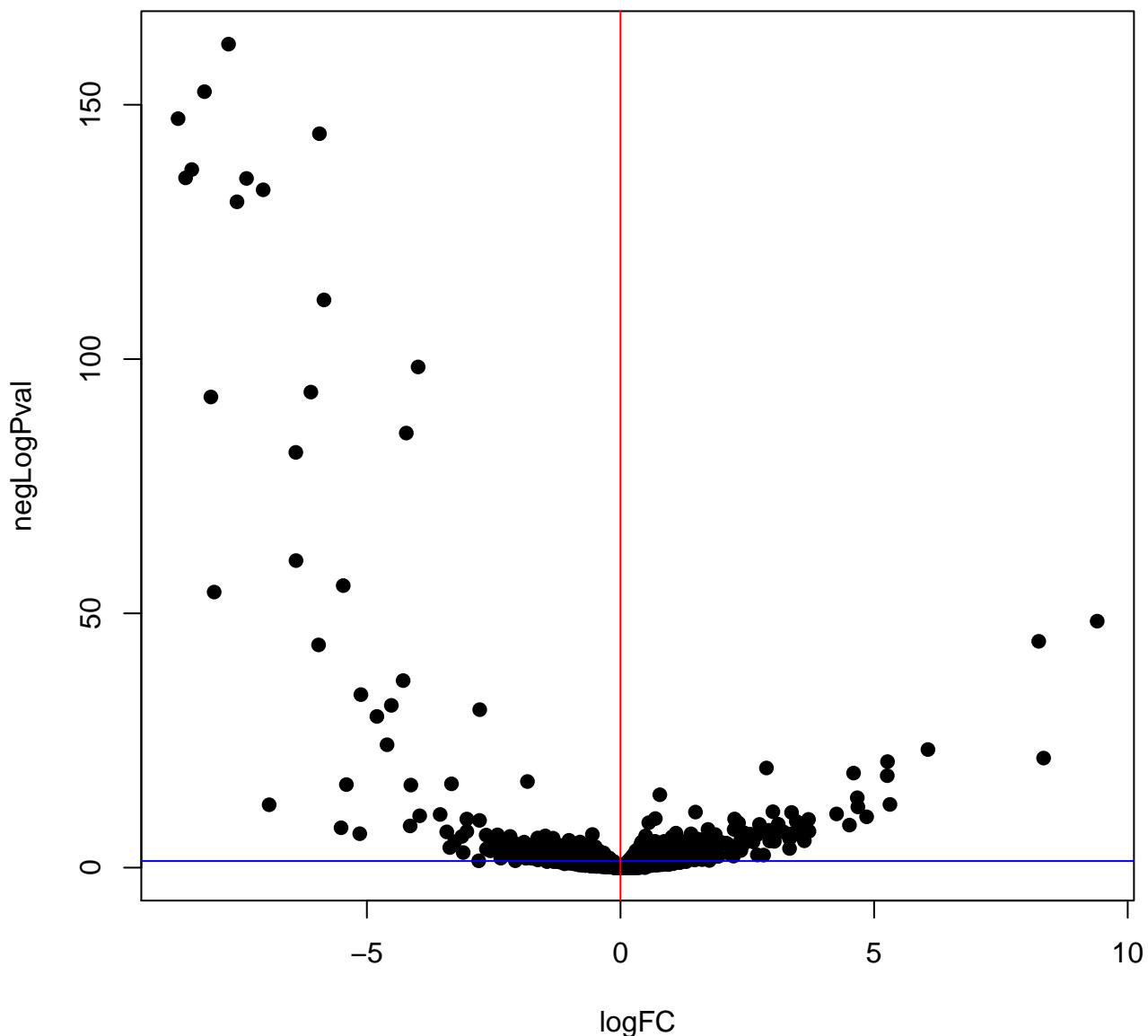
**1\*Hippocampus.Female –1\*Hippocampus.Male**

<i>Down</i>	103
<i>NotSig</i>	28907
<i>Up</i>	151

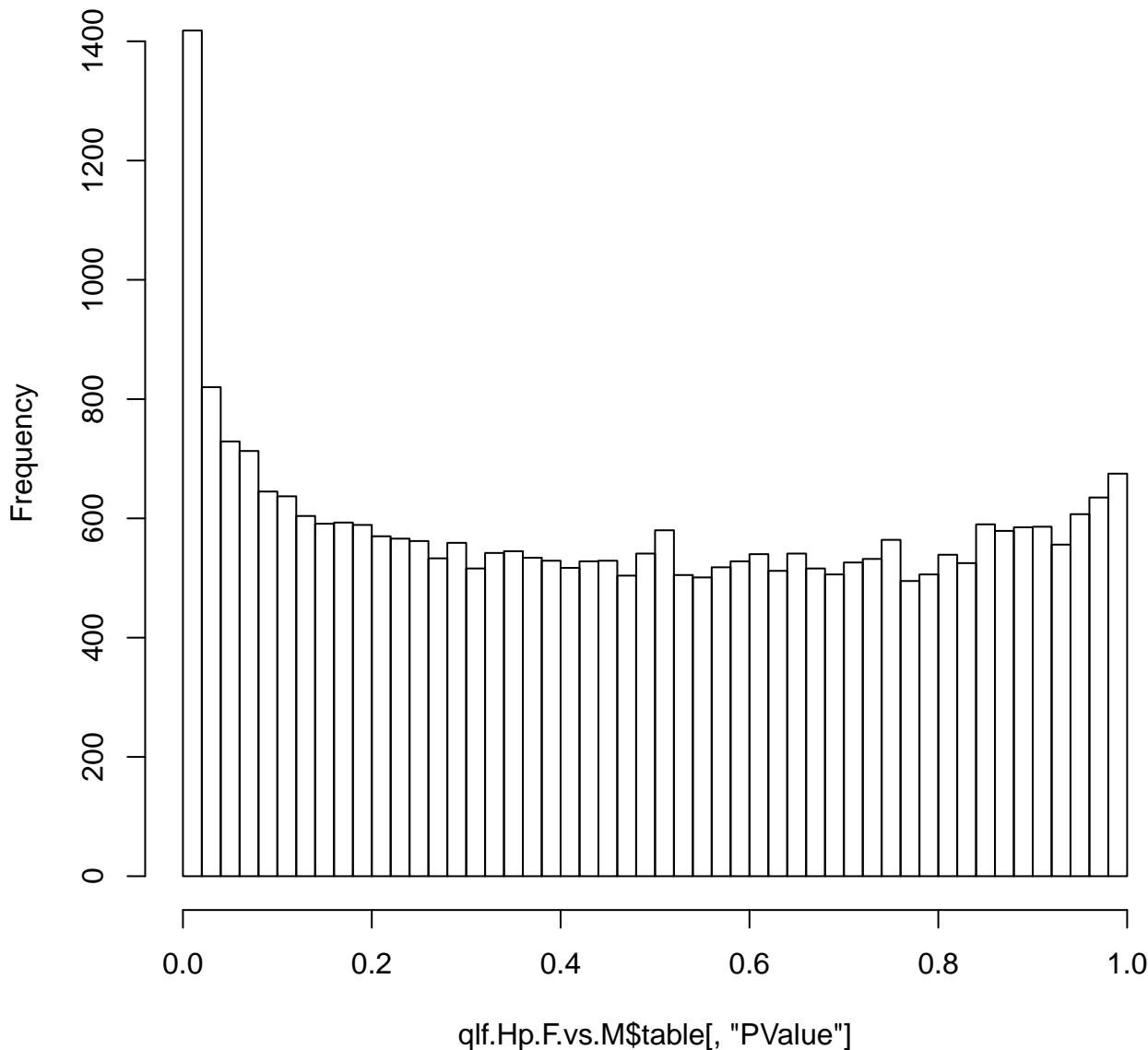
# $1^*\text{Hippocampus.Female} - 1^*\text{Hippocampus.Male}$



Volcano plot: 1\*Hippocampus.Female–1\*Hippocampus.Male

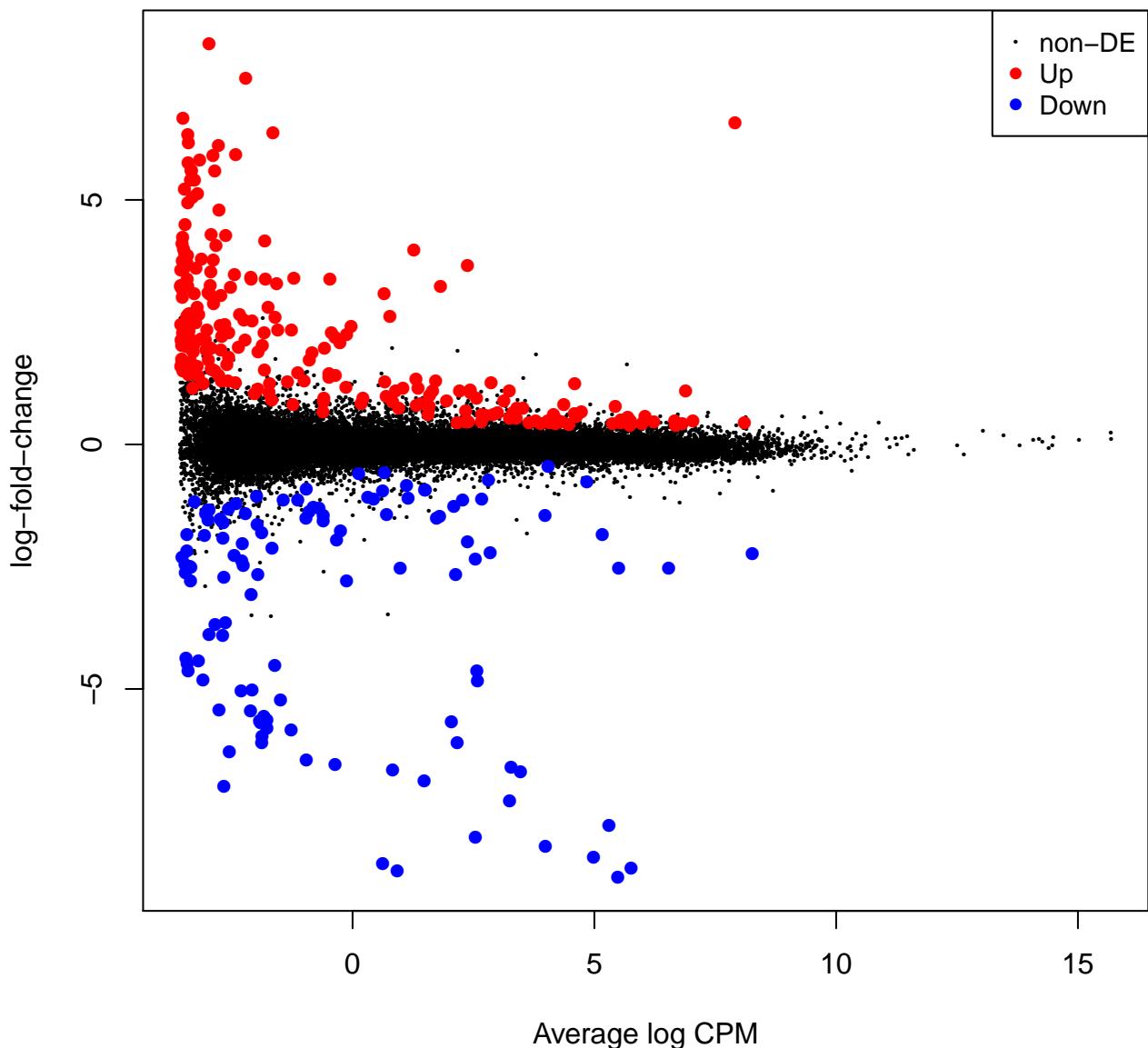


## Hippocampus p-value frequency histogram

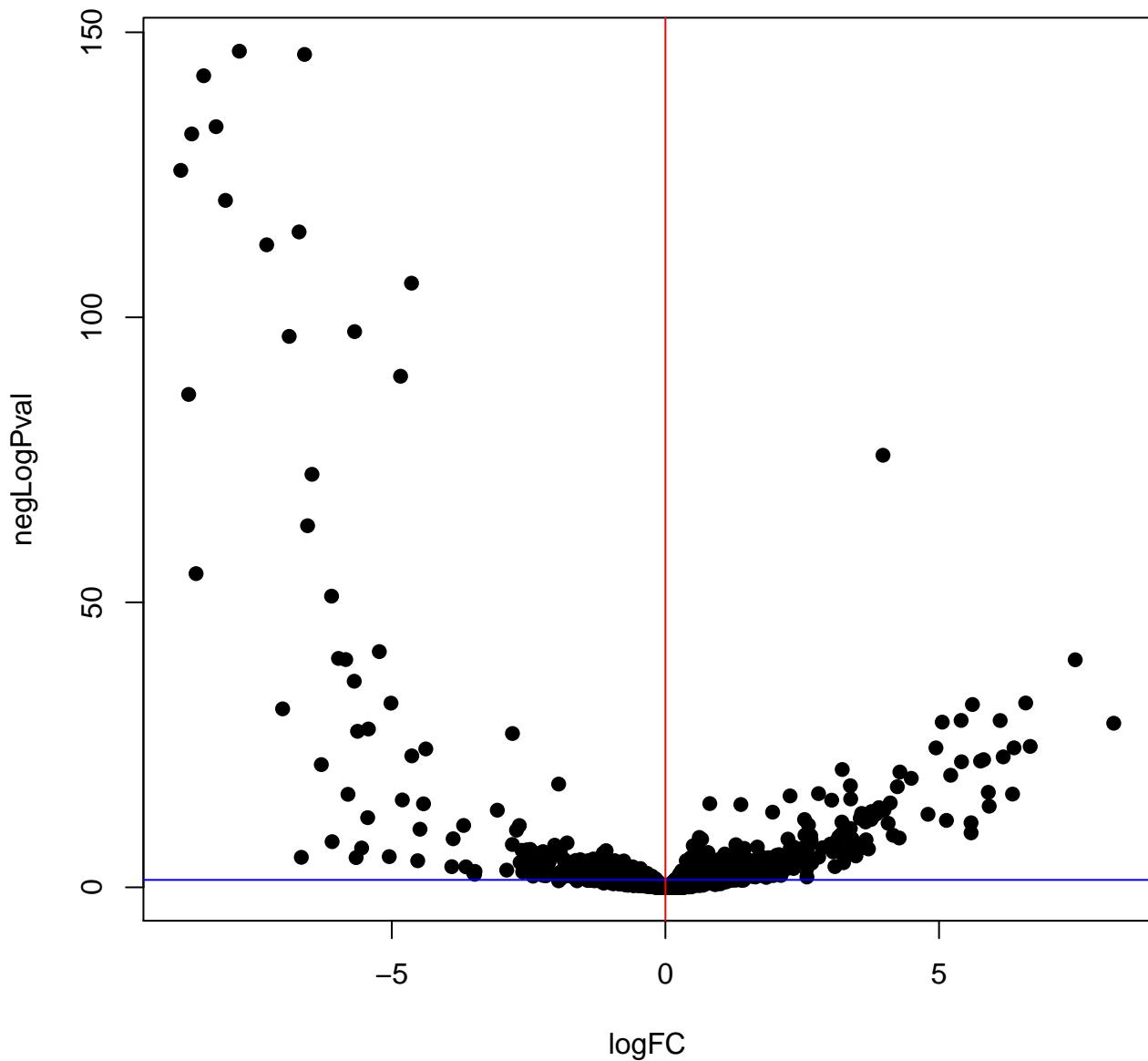


<b>1*Hypothalamus.Female –1*Hypothalamus.Male</b>	
<i>Down</i>	115
<i>NotSig</i>	28809
<i>Up</i>	237

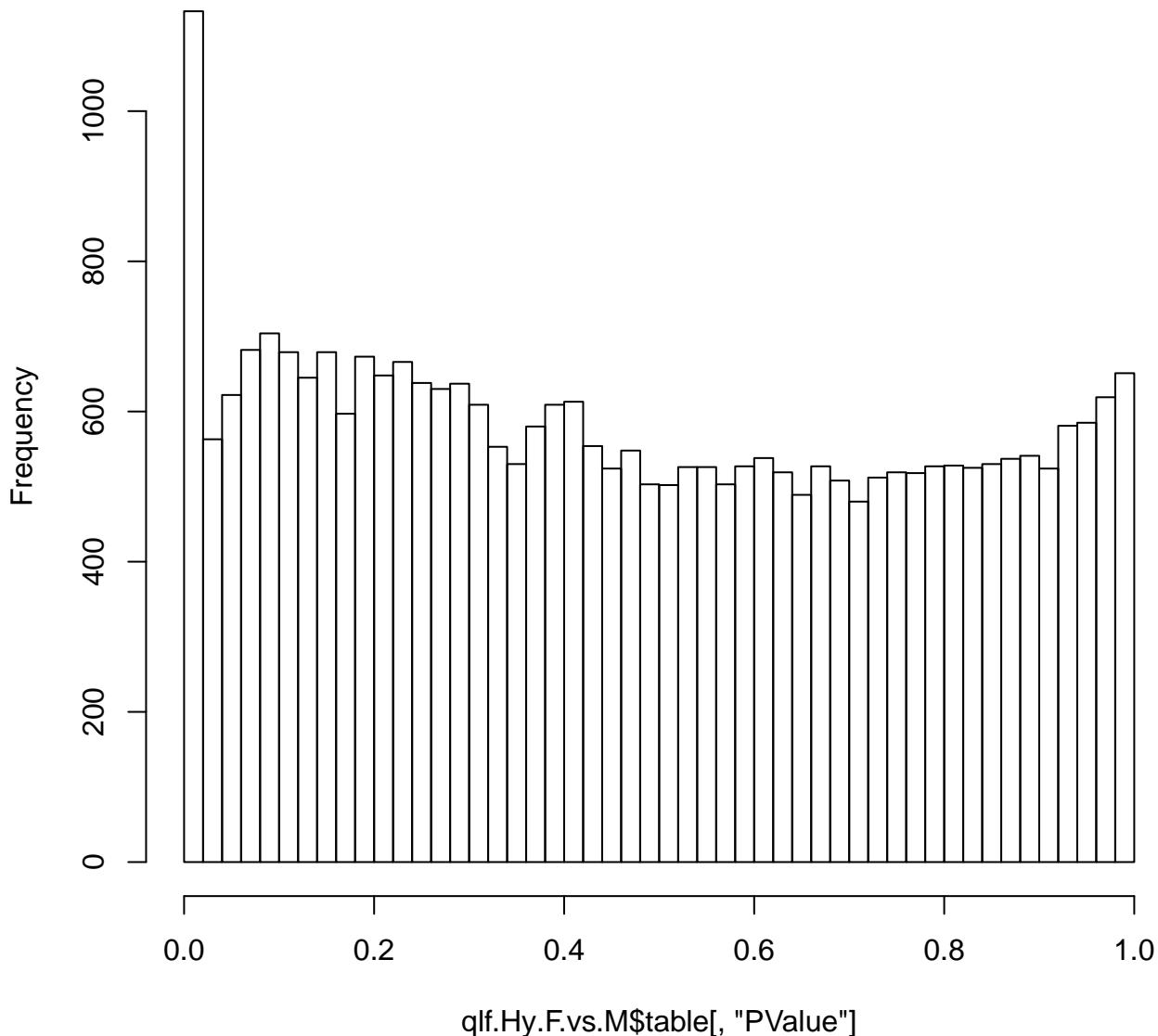
# $1^*\text{Hypothalamus.Female} - 1^*\text{Hypothalamus.Male}$



# Volcano plot: 1\*Hypothalamus.Female–1\*Hypothalamus.Male

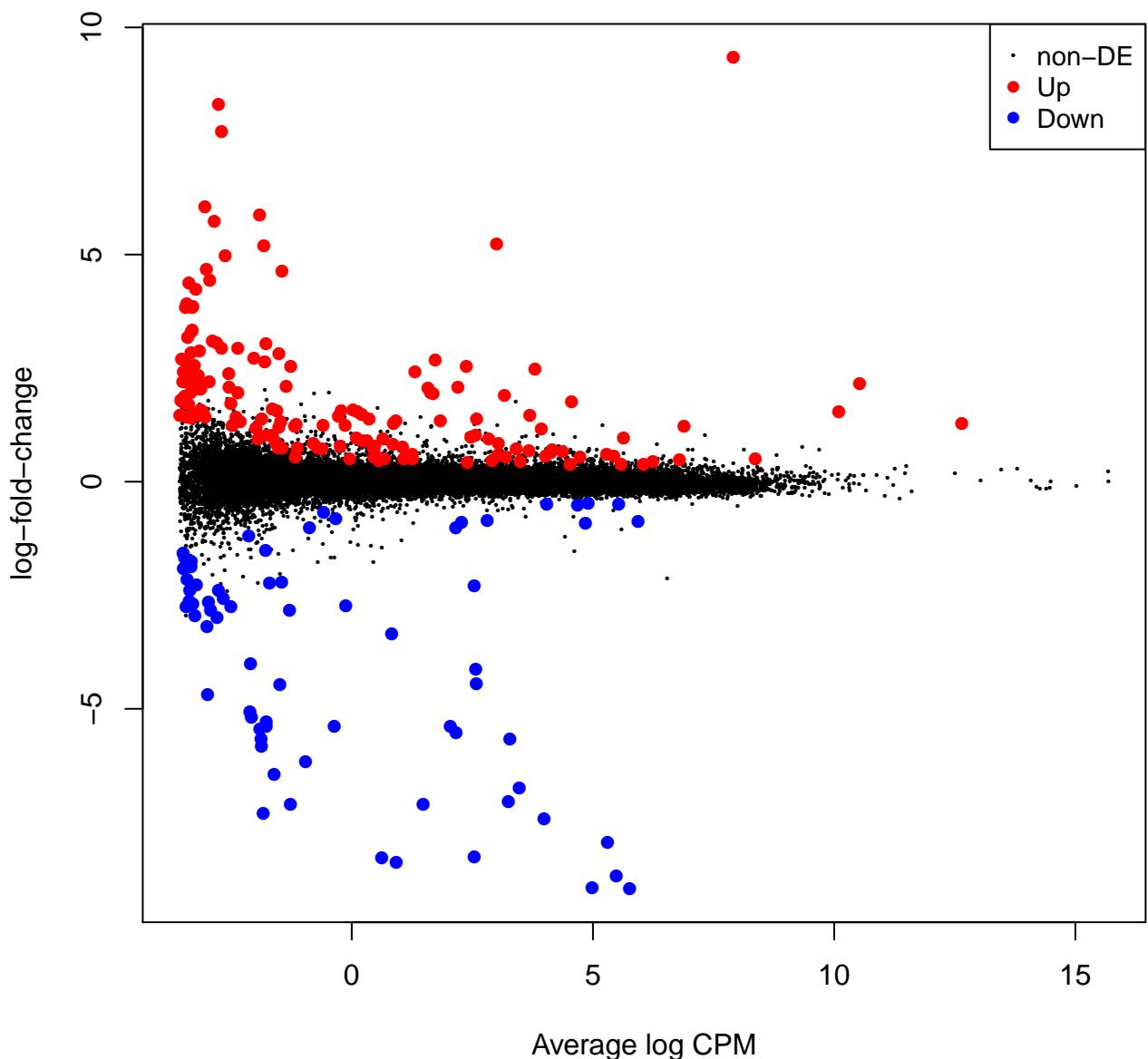


## Hypothalamus p-value frequency histogram

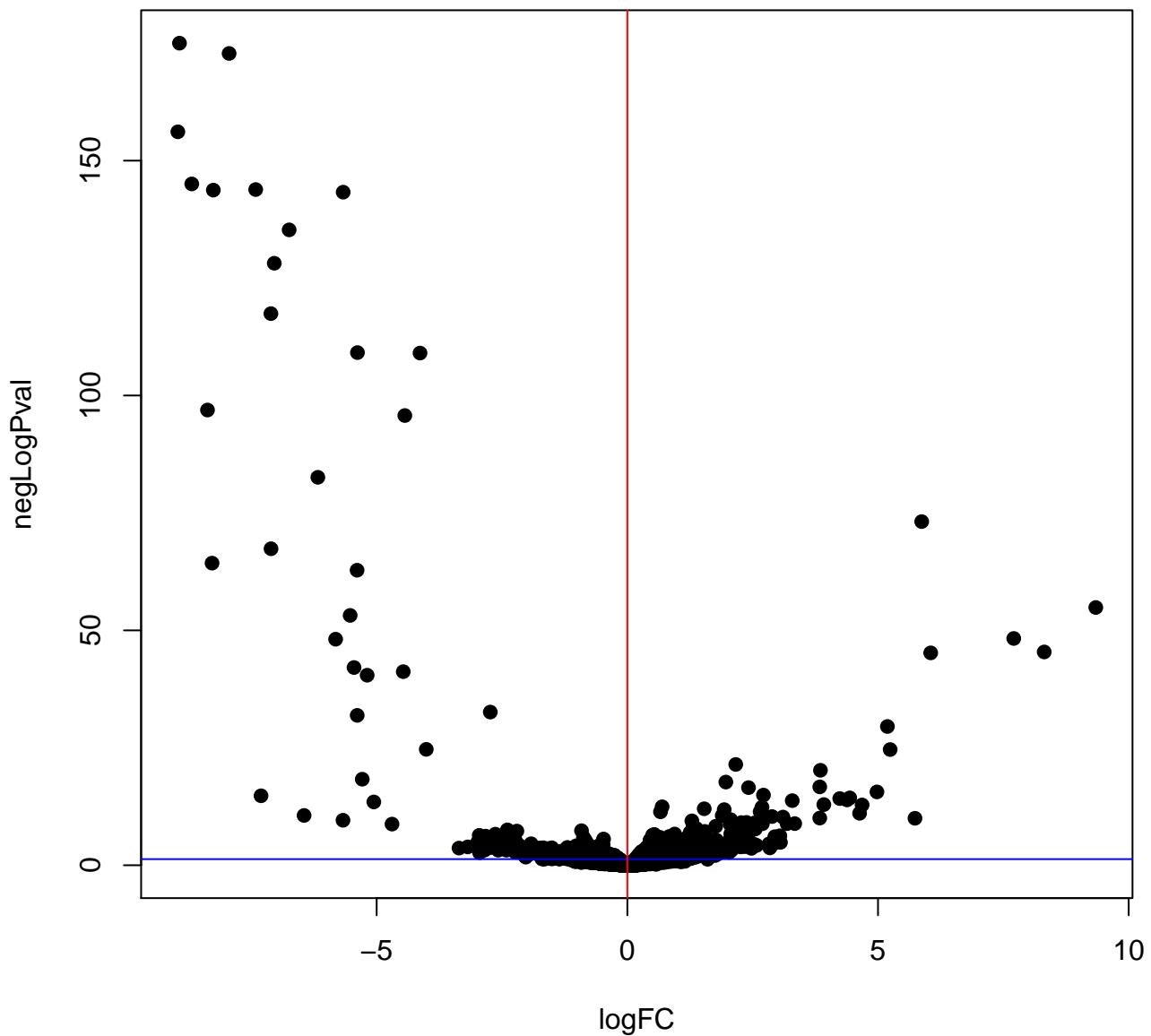


<b>1*Frontal_Cortex.Female –1*Frontal_Cortex.Male</b>	
<i>Down</i>	70
<i>NotSig</i>	28927
<i>Up</i>	164

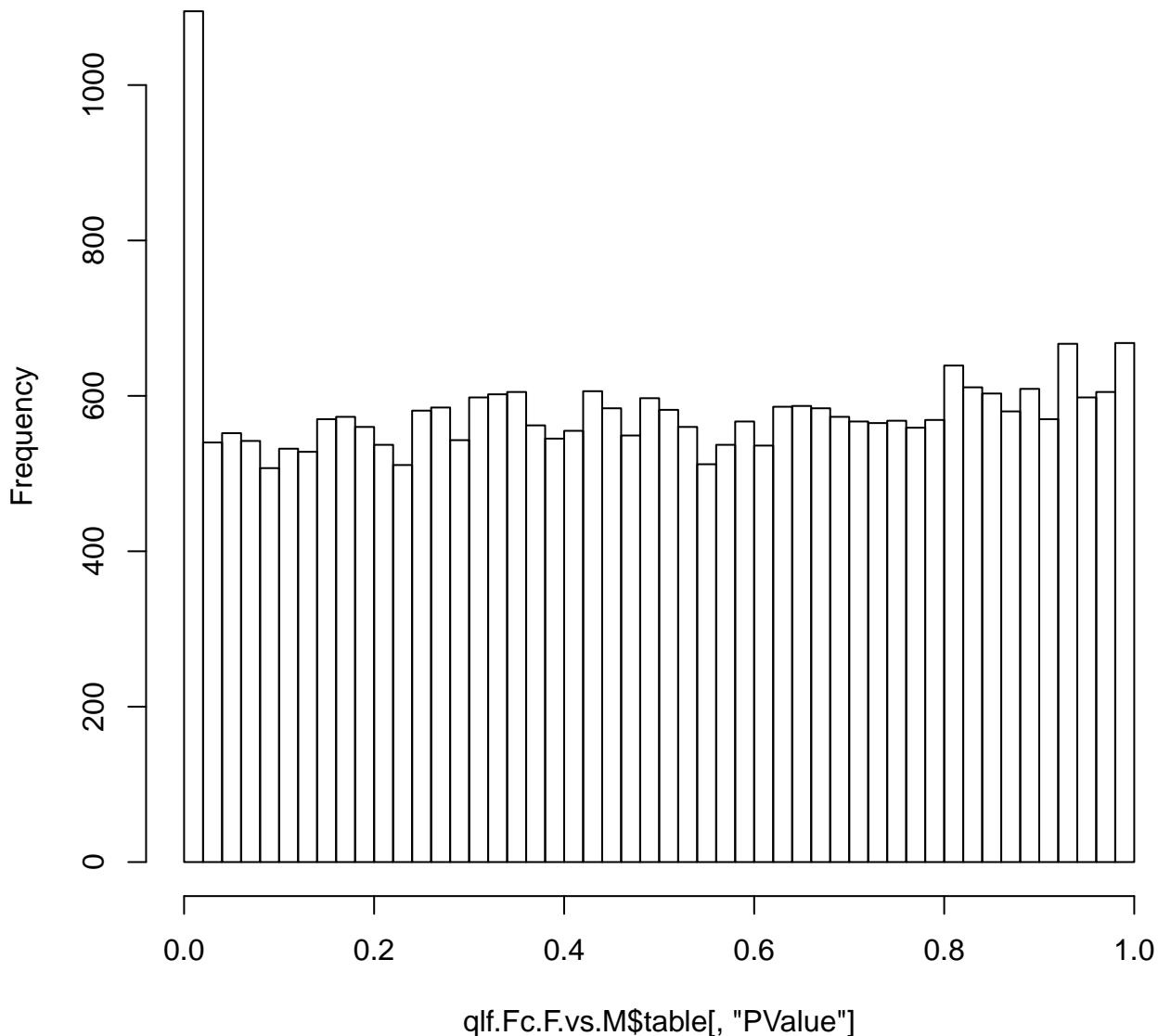
# $1^*\text{Frontal\_Cortex.Female} - 1^*\text{Frontal\_Cortex.Male}$



Volcano plot: 1\*Frontal\_Cortex.Female–1\*Frontal\_Cortex.Male



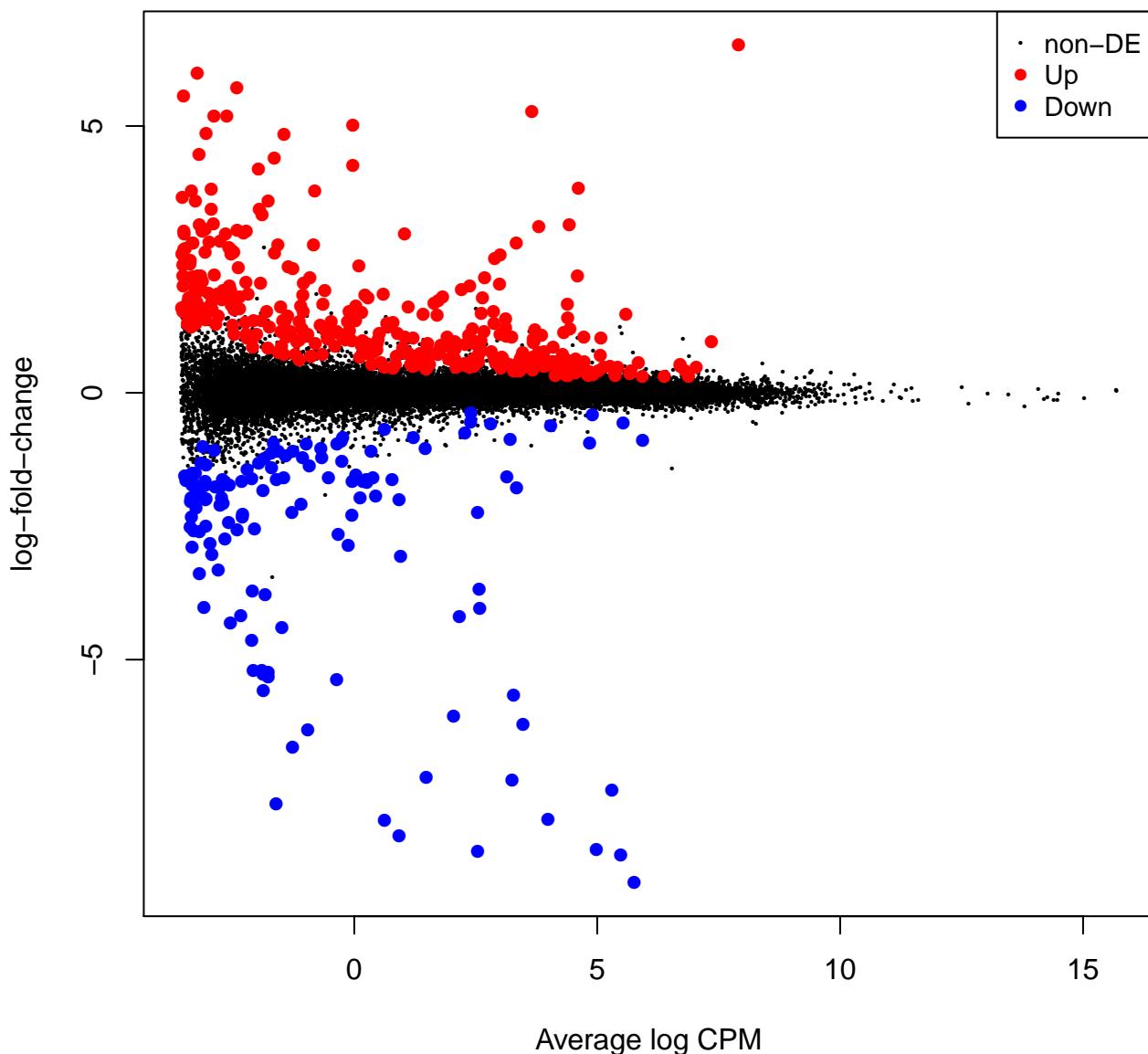
## Frontal cortex p-value frequency histogram



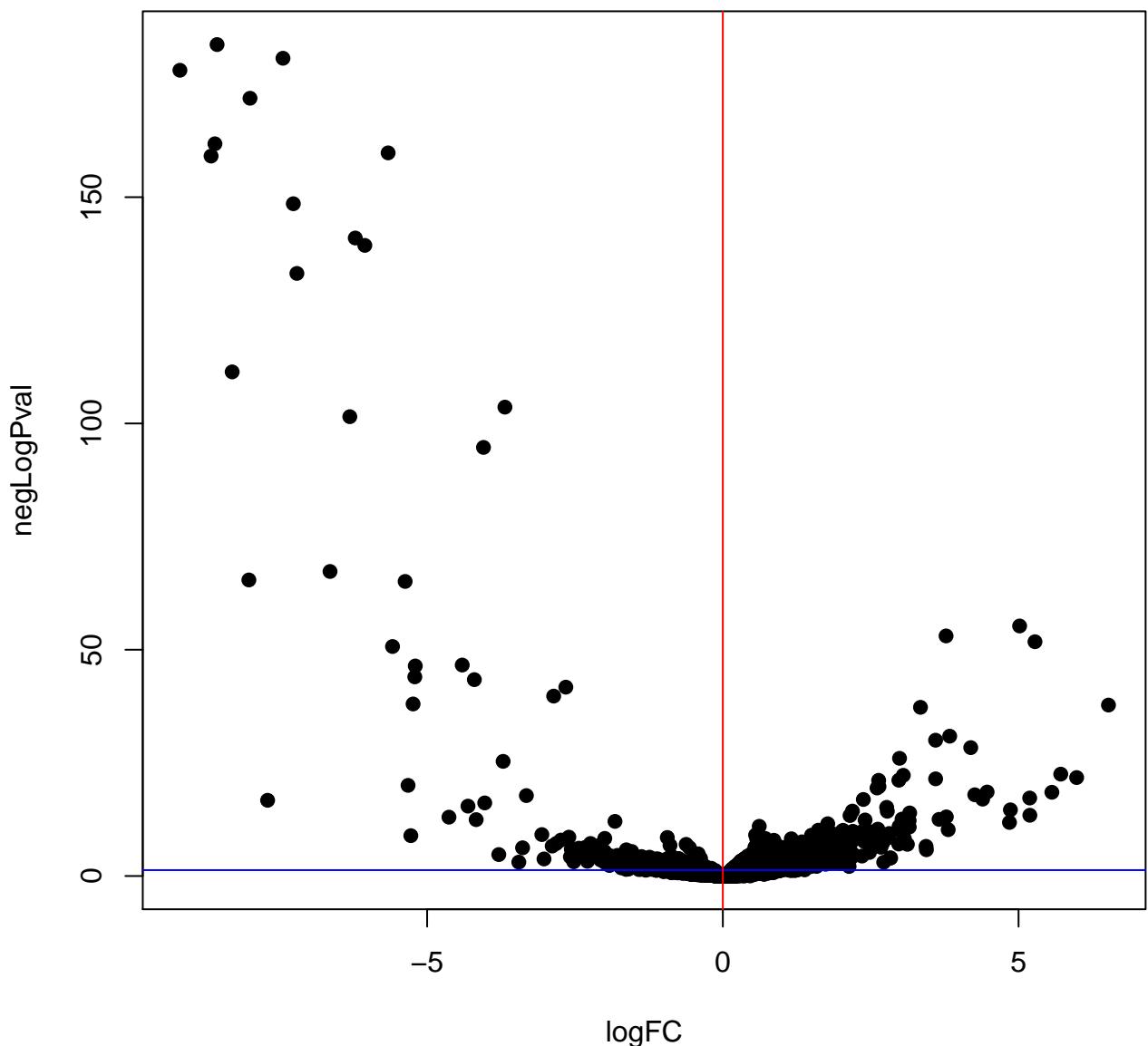
**1\*Nucleus\_Accumbens.Female –1\*Nucleus\_Accumbens.Male**

<i>Down</i>	134
<i>NotSig</i>	28682
<i>Up</i>	345

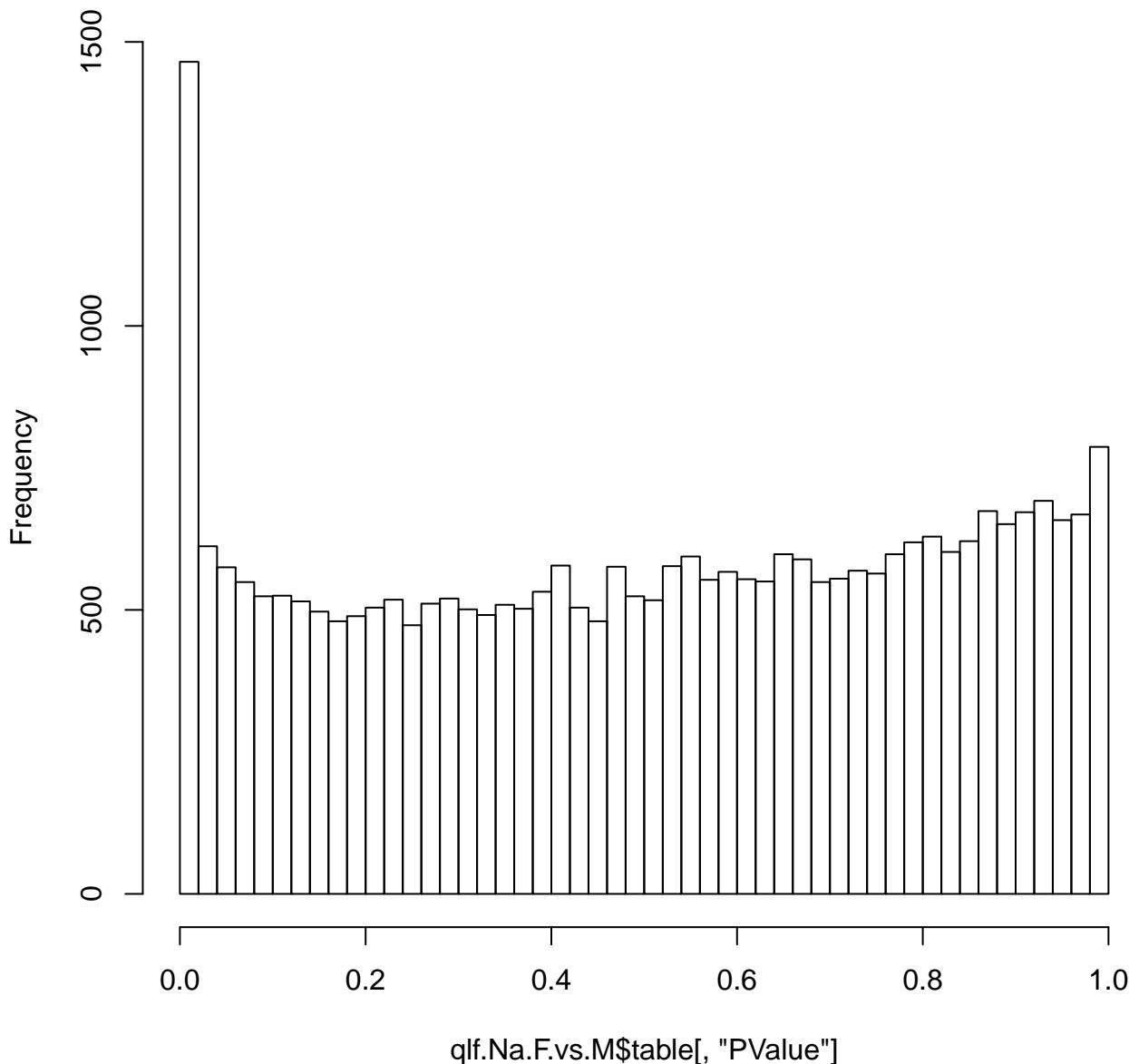
# $1^*\text{Nucleus\_Accumbens.Female} - 1^*\text{Nucleus\_Accumbens.Male}$



# Volcano plot: 1\*Nucleus\_Accumbens.Female–1\*Nucleus\_Accumbens.Male

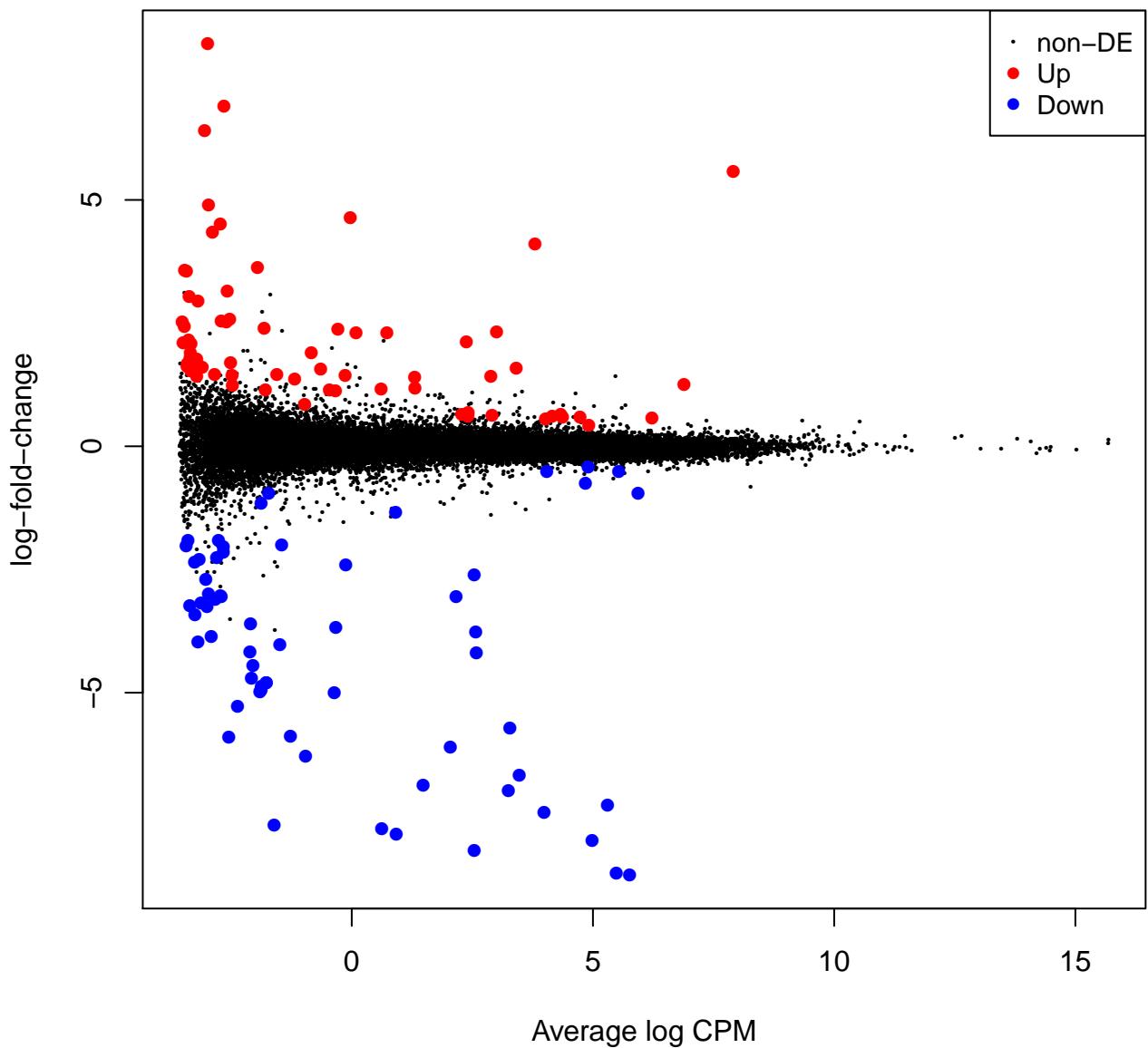


## Nucleus accumbens p-value frequency histogram

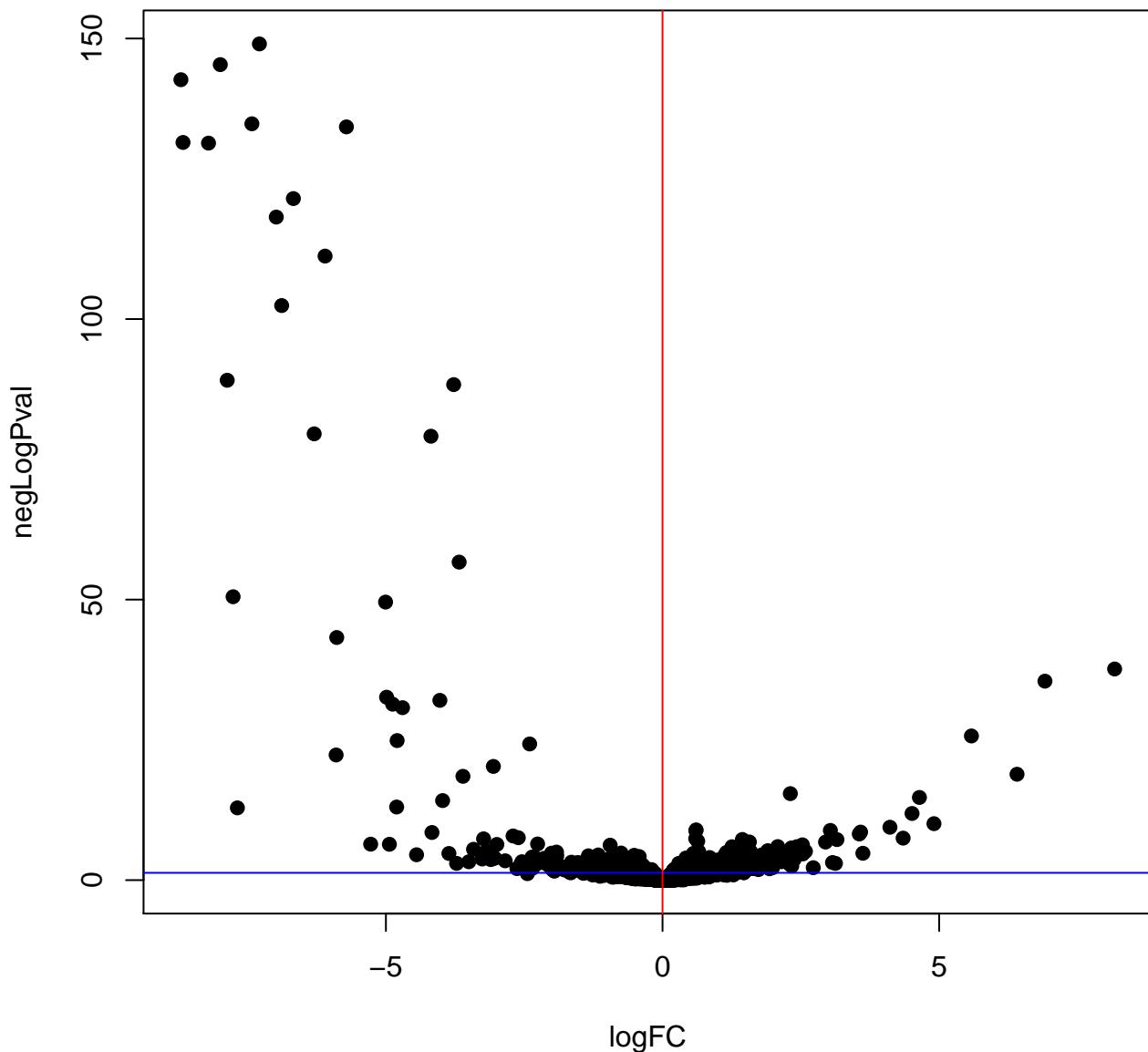


<b>1*Putamen.Female –1*Putamen.Male</b>	
<i>Down</i>	63
<i>NotSig</i>	29029
<i>Up</i>	69

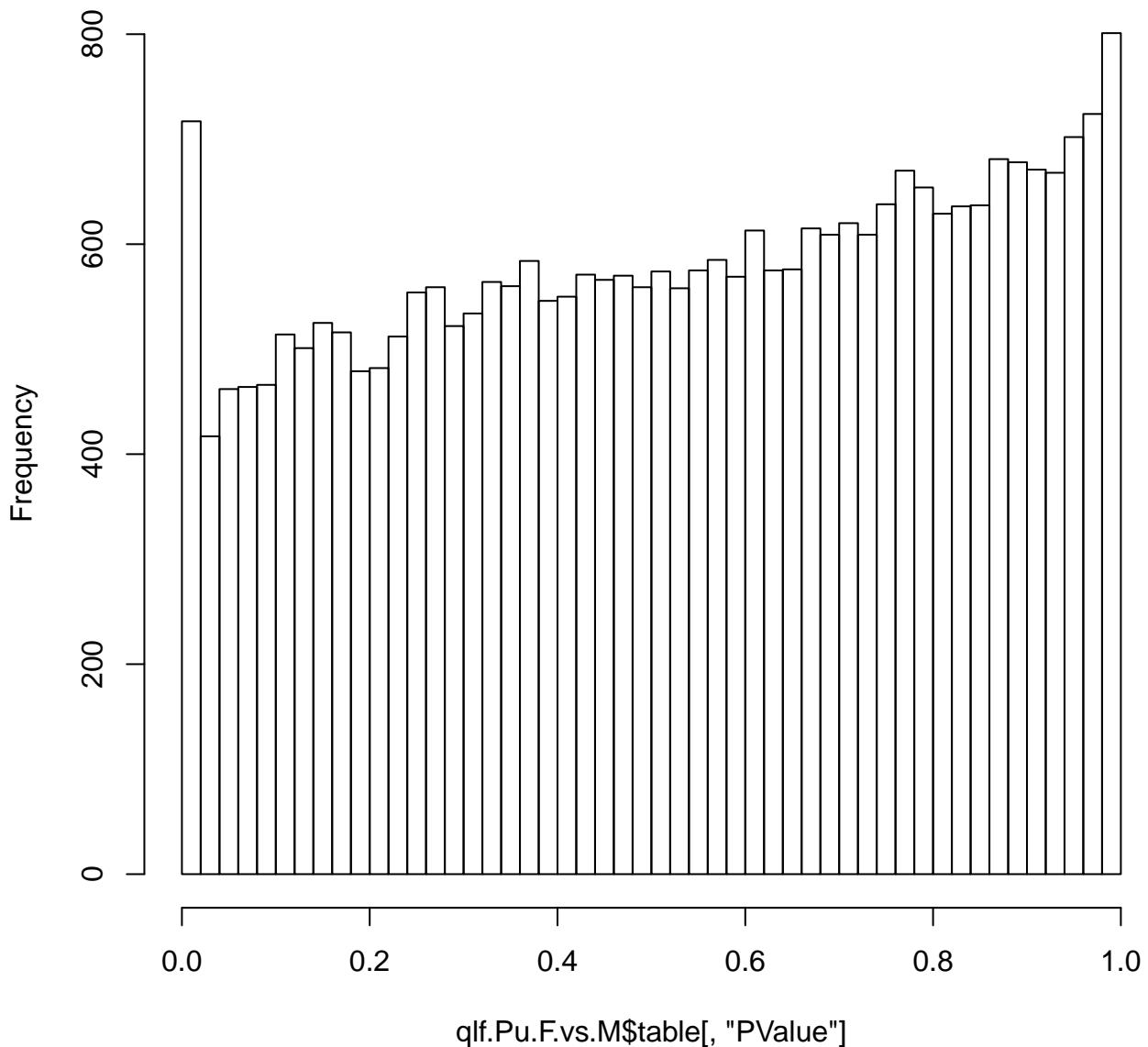
# $1^*\text{Putamen.Female} - 1^*\text{Putamen.Male}$



### Volcano plot: 1\*Putamen.Female–1\*Putamen.Male



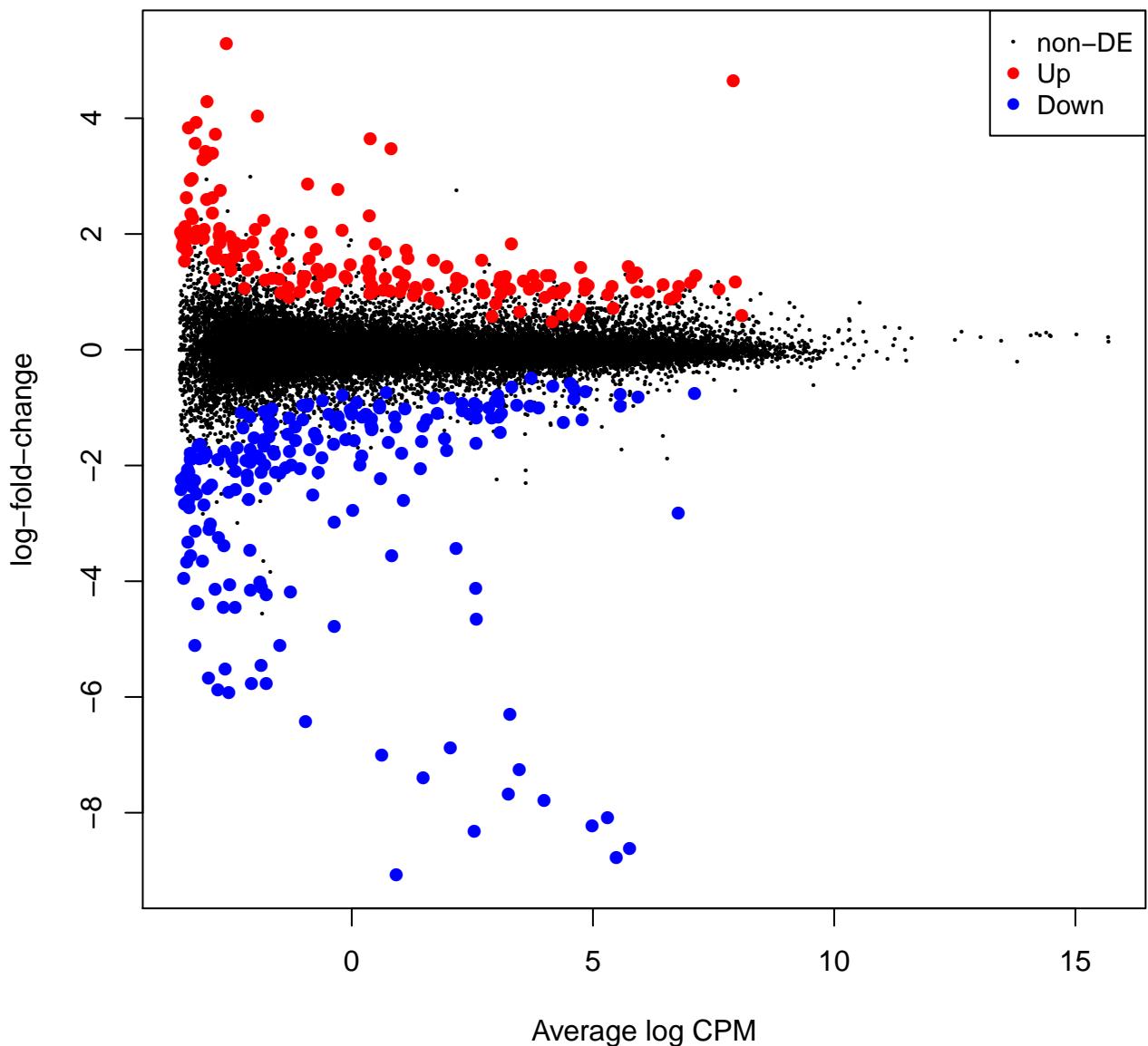
## Putamen p-value frequency histogram



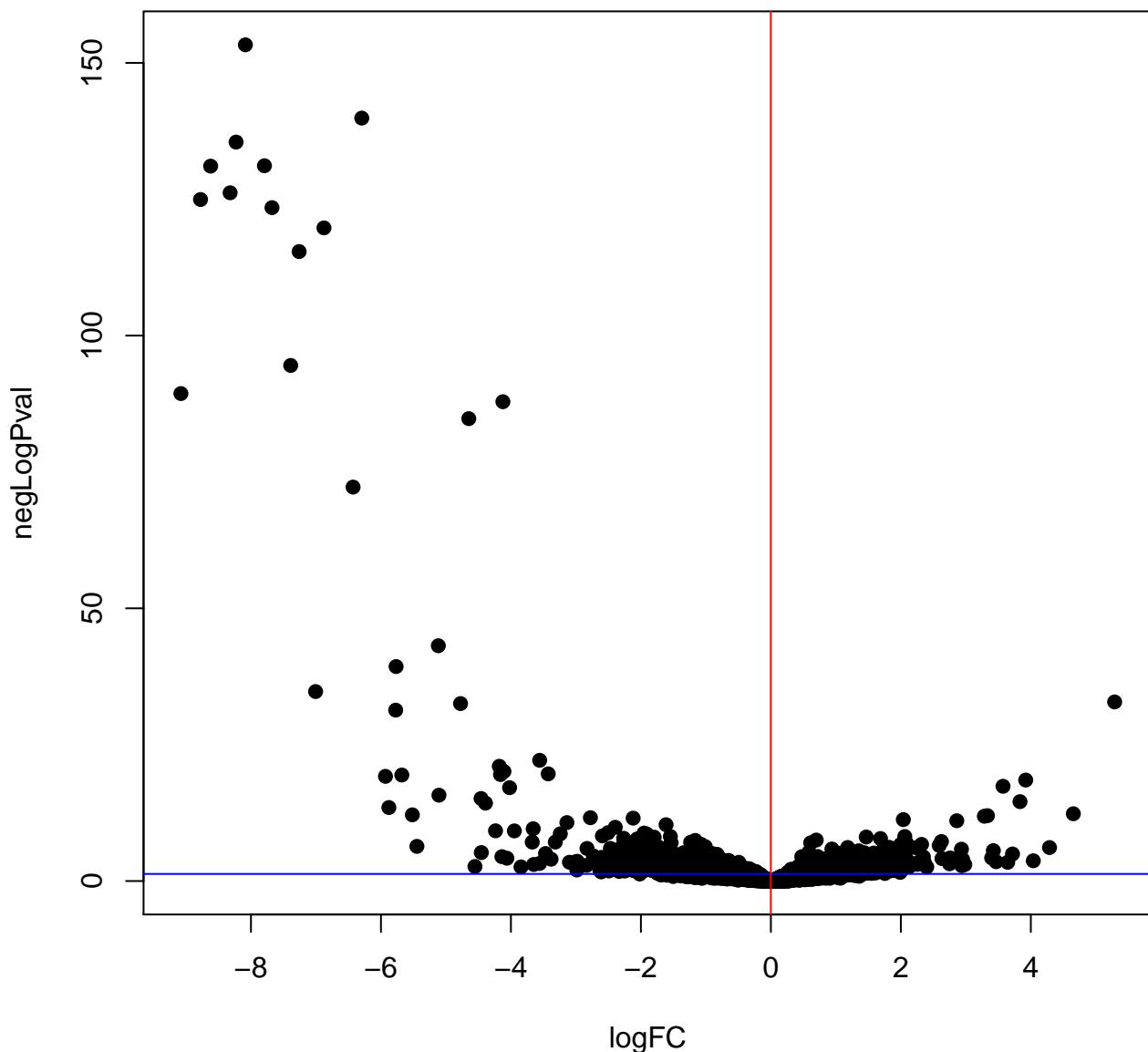
**1\*Spinal\_Cord.Female –1\*Spinal\_Cord.Male**

<i>Down</i>	200
<i>NotSig</i>	28785
<i>Up</i>	176

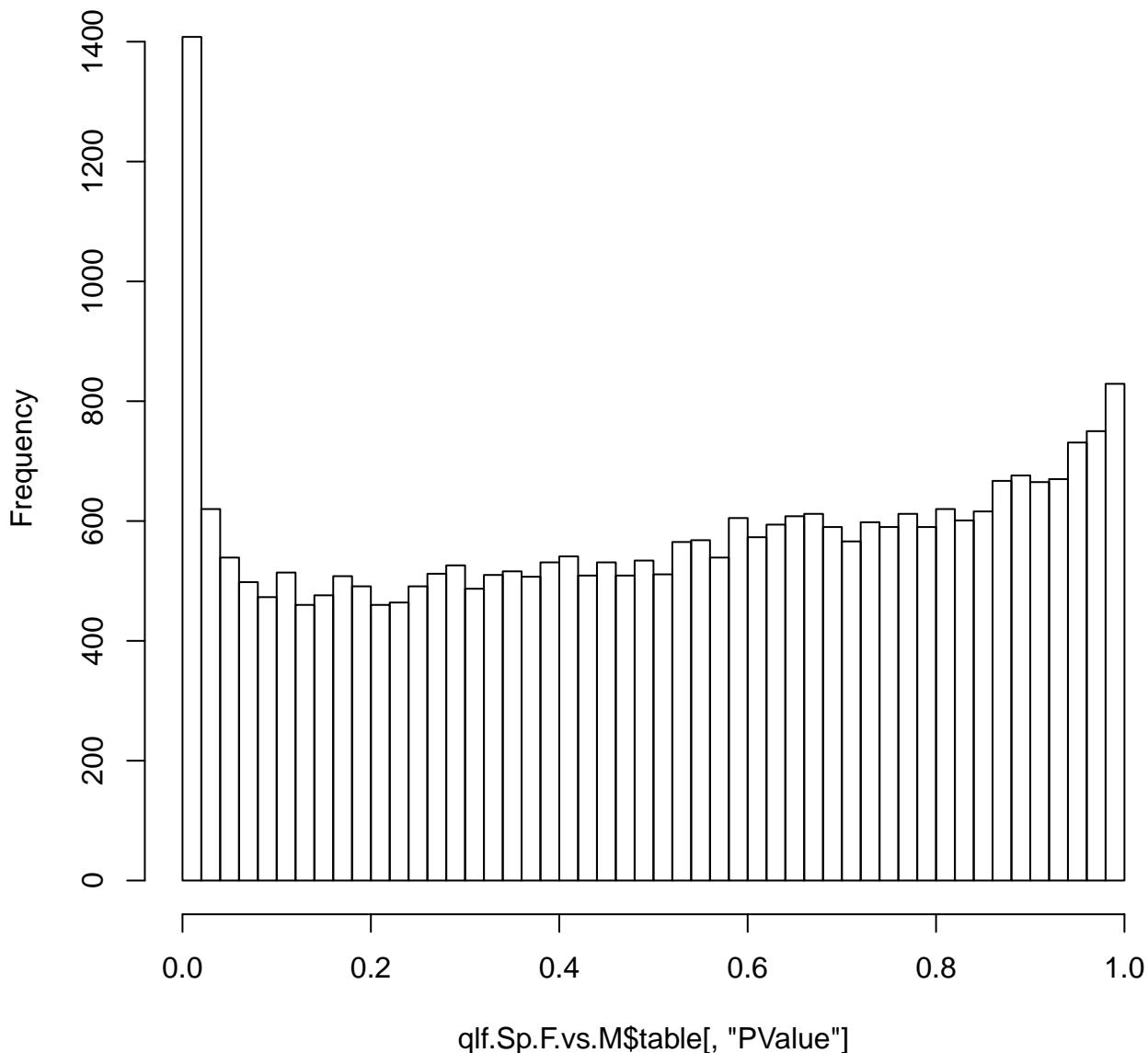
$1^*\text{Spinal\_Cord.Female} - 1^*\text{Spinal\_Cord.Male}$



Volcano plot: 1\*Spinal\_Cord.Female–1\*Spinal\_Cord.Male

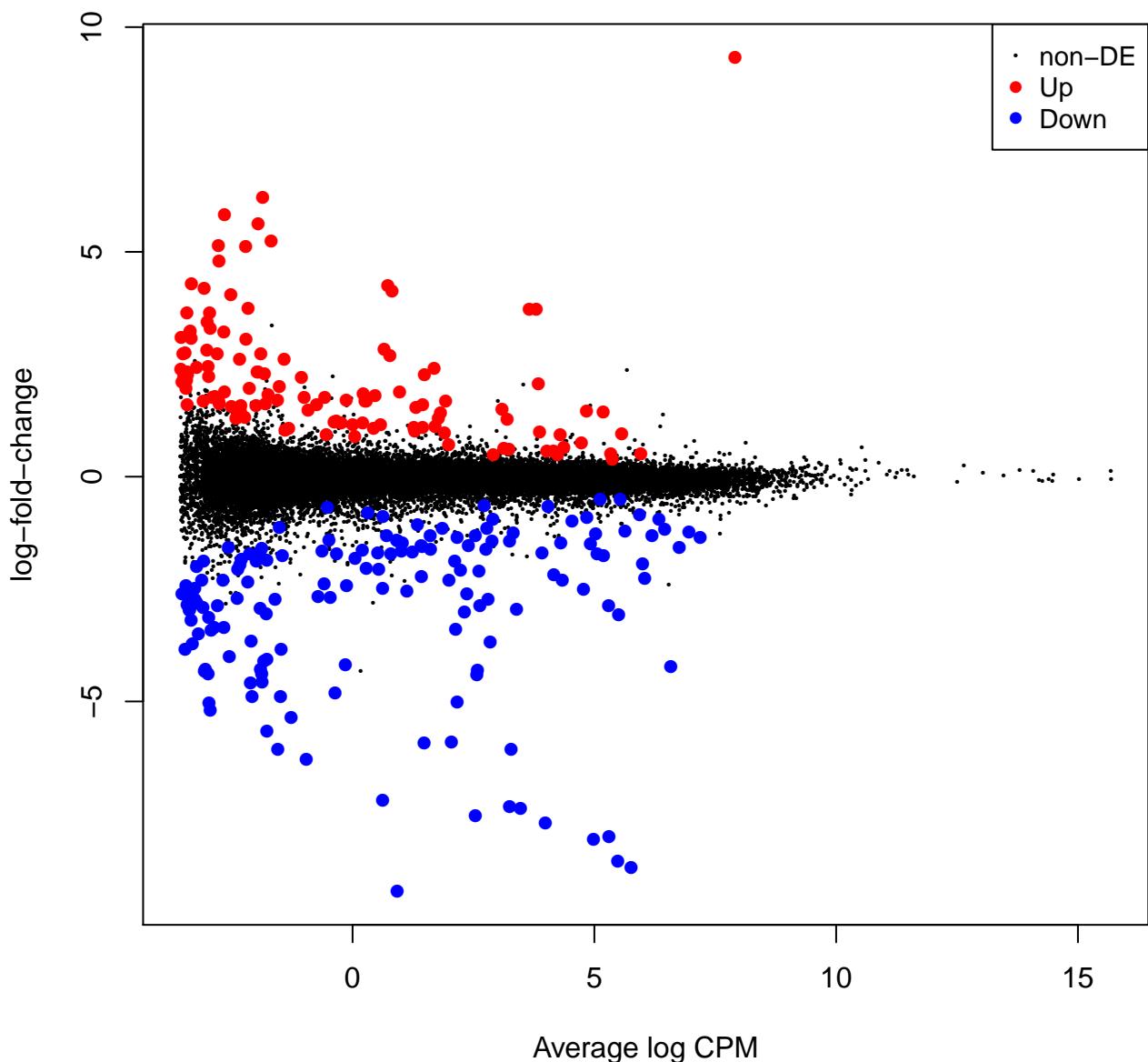


## Spinal cord p-value frequency histogram

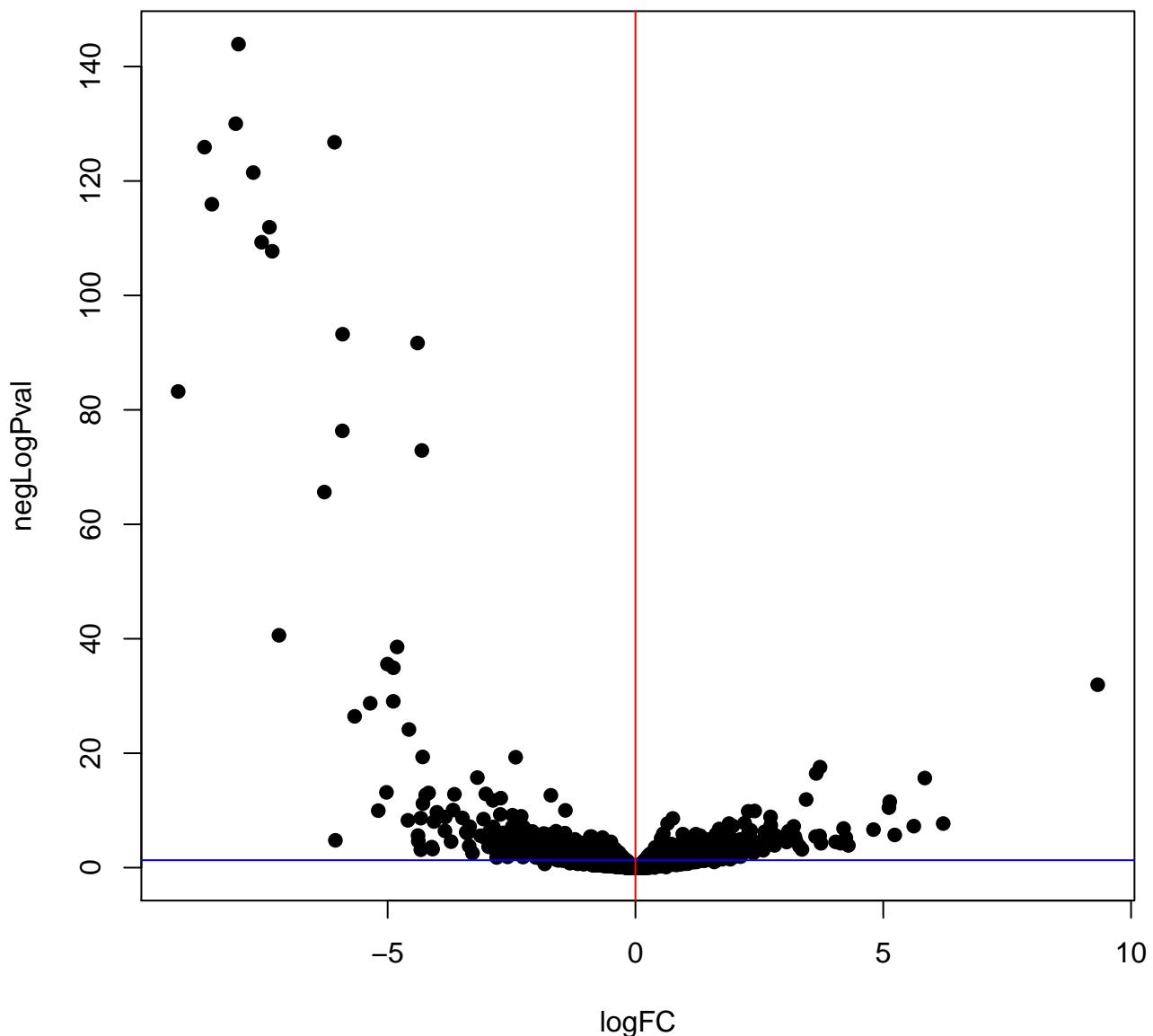


<b>1*Substantia_Nigra.Female -1*Substantia_Nigra.Male</b>	
<i>Down</i>	156
<i>NotSig</i>	28884
<i>Up</i>	121

# $1^*\text{Substantia\_Nigra.Female} - 1^*\text{Substantia\_Nigra.Male}$



# Volcano plot: 1\*Substantia\_Nigra.Female–1\*Substantia\_Nigra.Male



## Substantia nigra p-value frequency histogram

