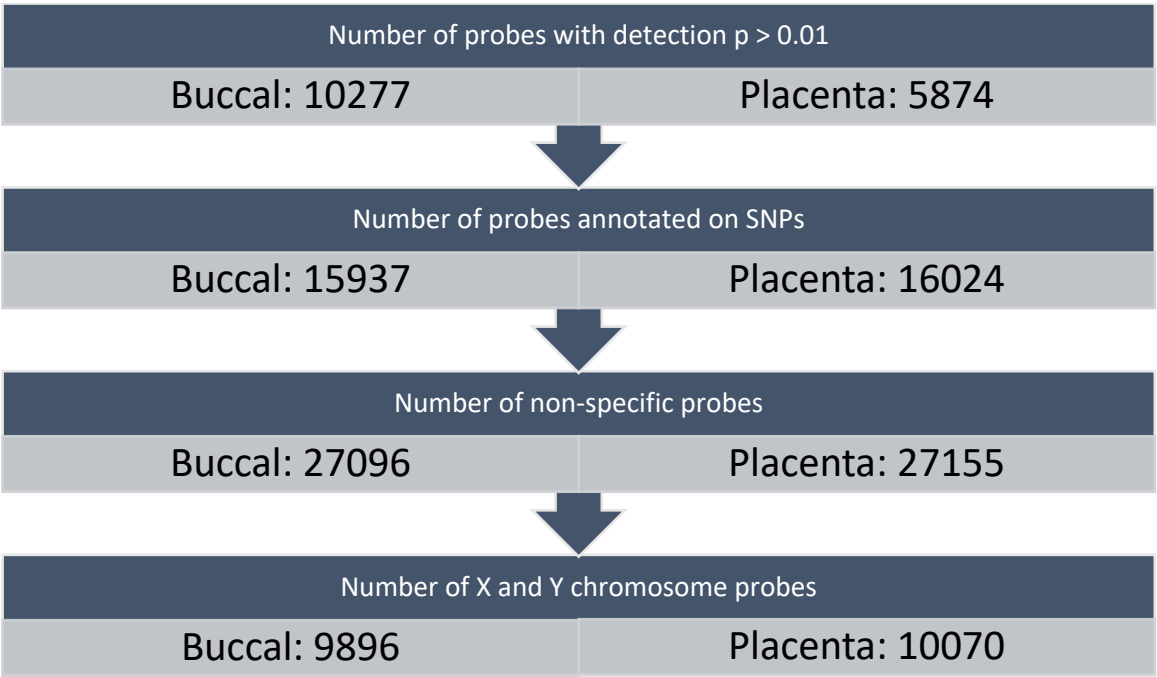
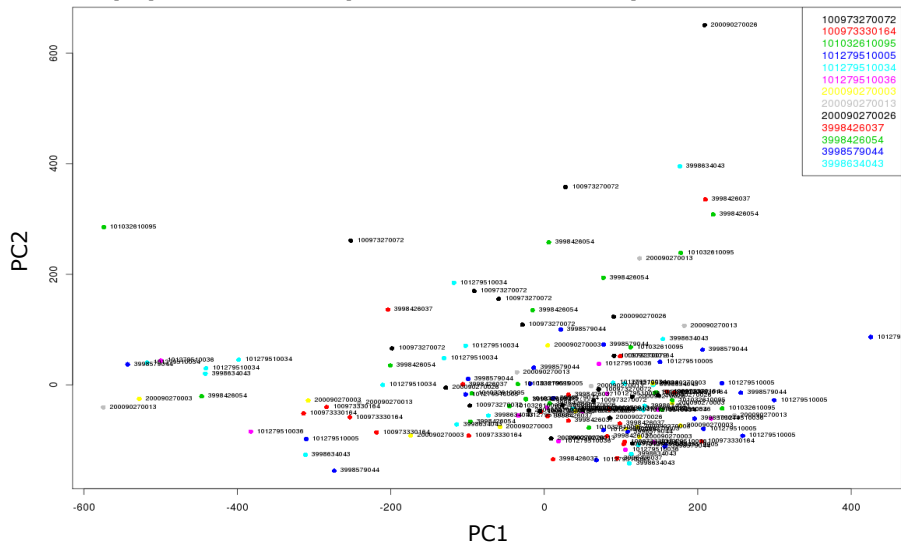


# Supplementary Figure 1

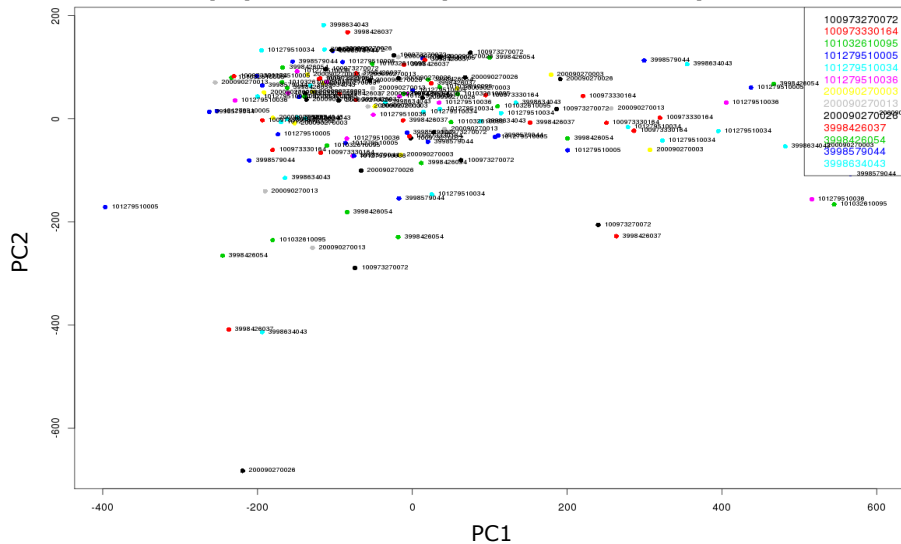


# Supplementary Figure 2

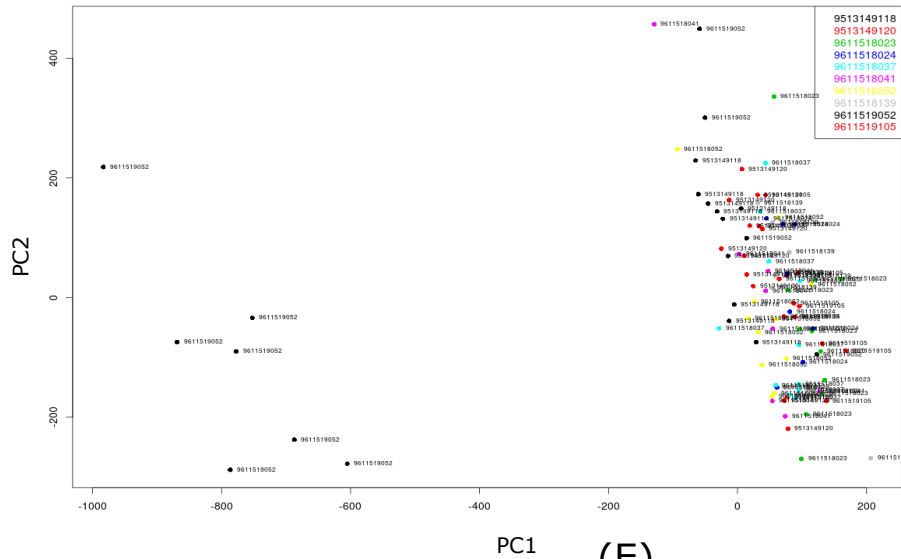
(A) - Buccal (before ComBat)



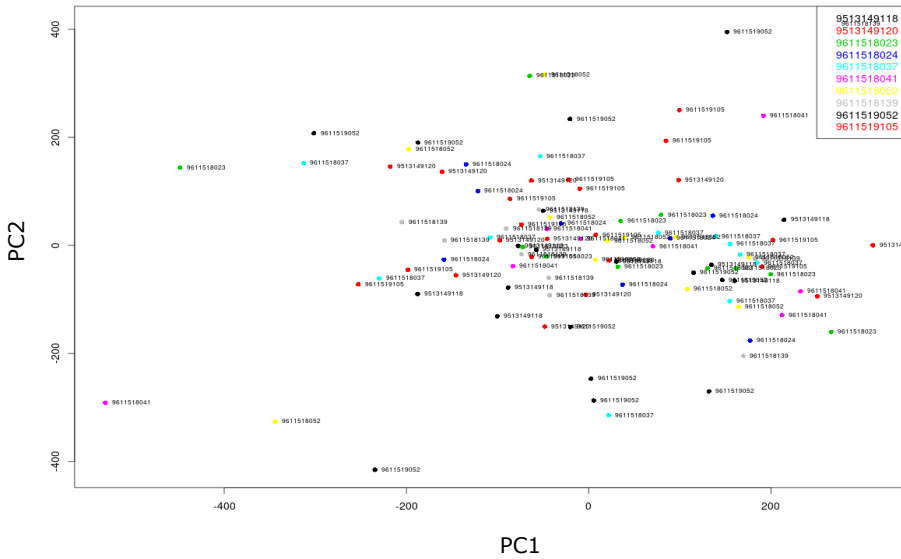
(B) - Buccal (after ComBat)



(C) - Placenta (before ComBat)



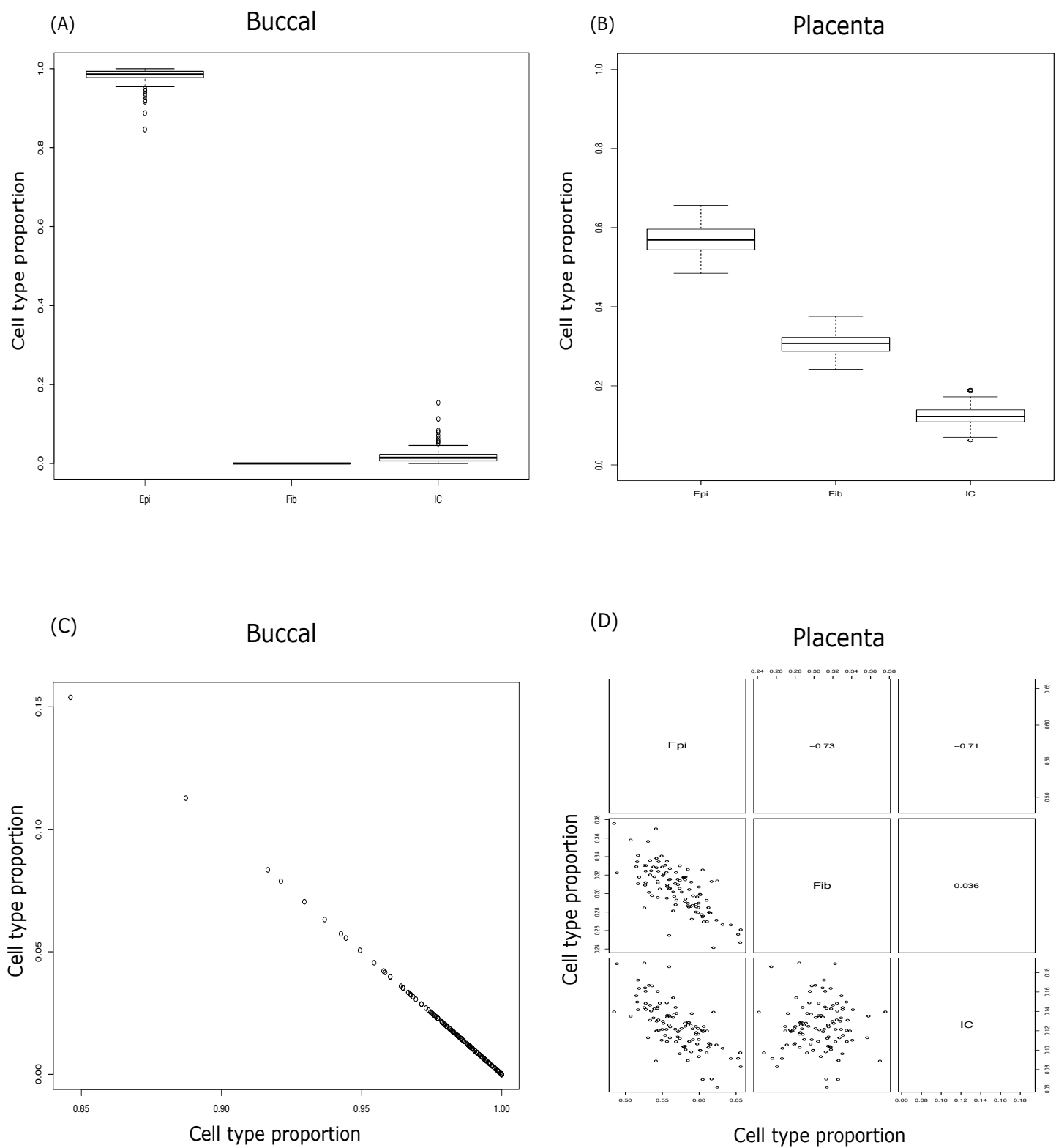
(D) - Placenta (after ComBat)



(E)

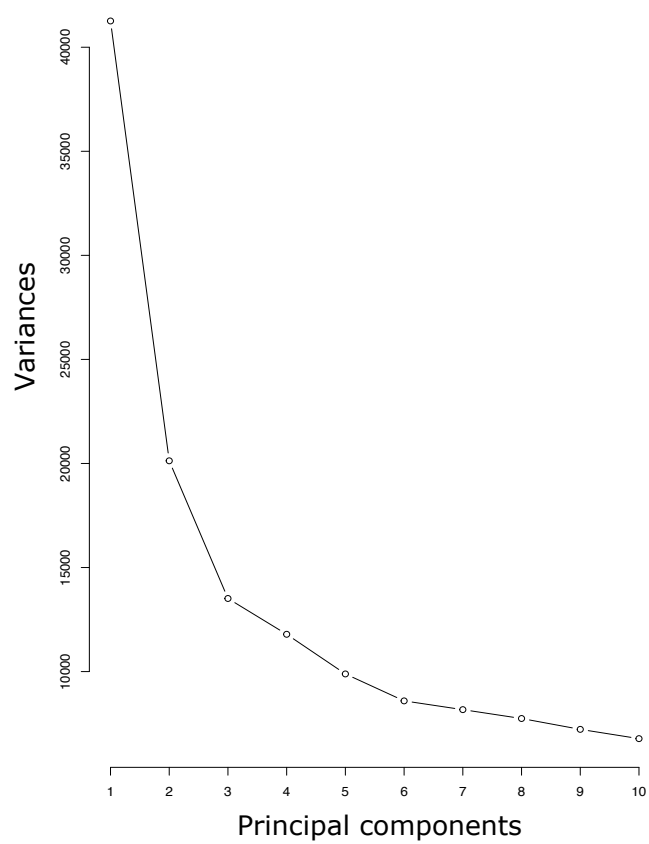
|               | Placenta                  |            |                           | Buccal     |                           |                           |
|---------------|---------------------------|------------|---------------------------|------------|---------------------------|---------------------------|
|               | PC 1                      | PC 2       | PC 3                      | PC 1       | PC 2                      | PC 3                      |
| Before ComBat | $p < 2.2 \times 10^{-16}$ | $p = 0.59$ | $p < 2.2 \times 10^{-16}$ | $p = 0.43$ | $p < 1.1 \times 10^{-12}$ | $p < 1.1 \times 10^{-12}$ |
| After ComBat  | $p = 0.99$                | $p = 0.91$ | $p = 0.95$                | $p = 0.99$ | $p = 0.99$                | $p = 0.99$                |

# Supplementary Figure 3

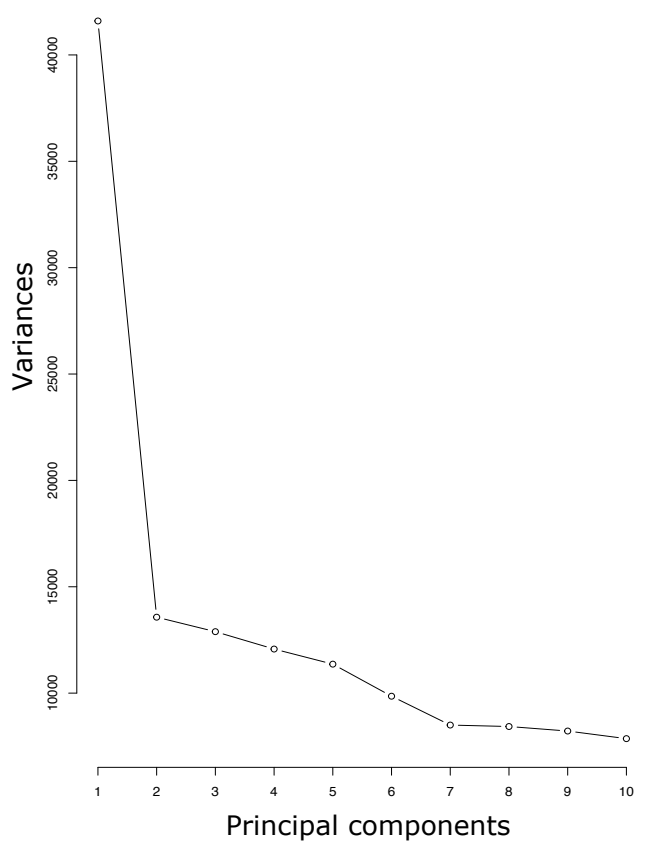


# Supplementary Figure 4

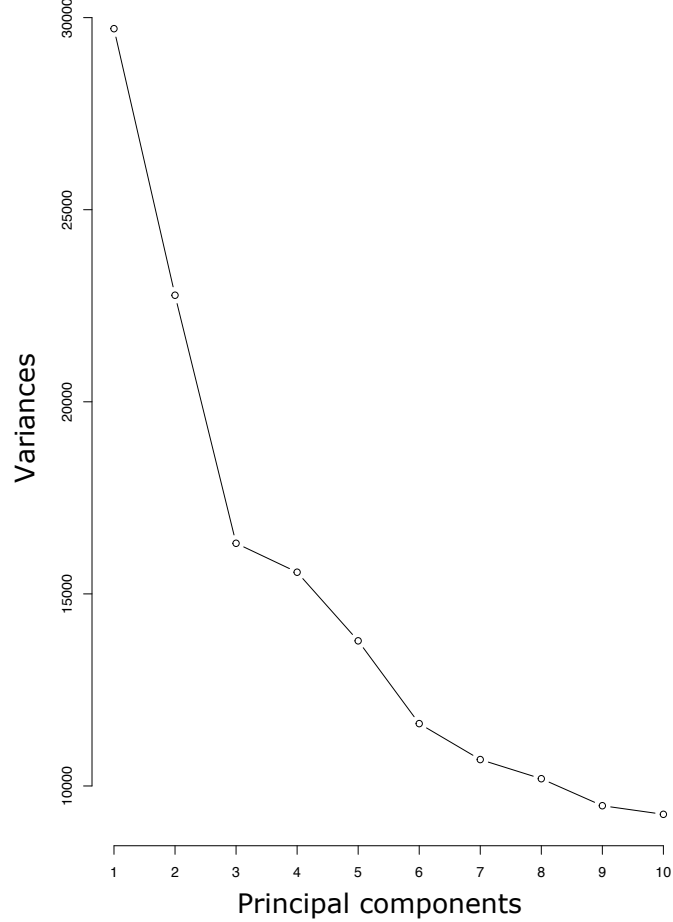
**Buccal (males)**



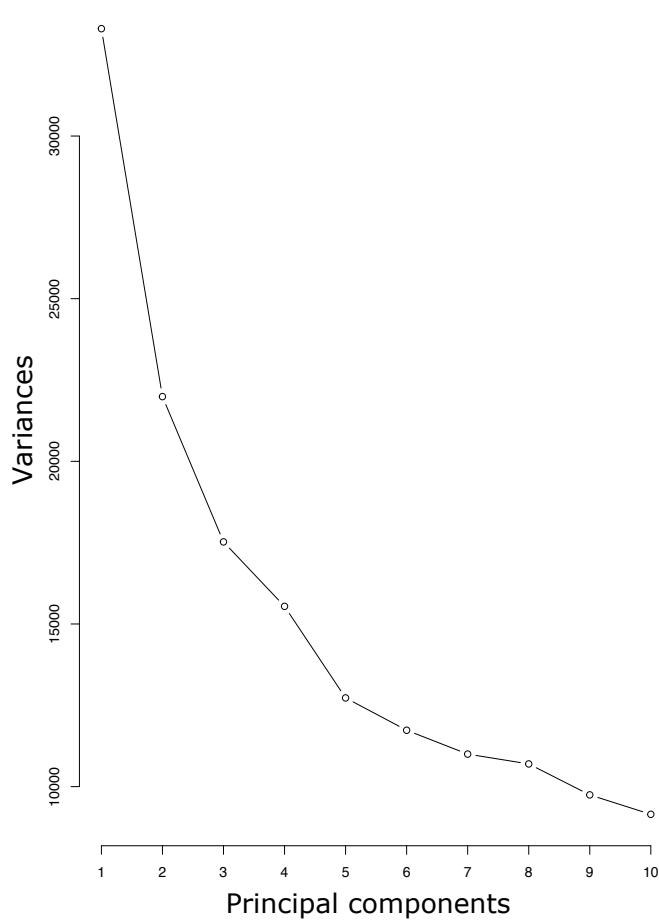
**Buccal (females)**



**Placenta (males)**

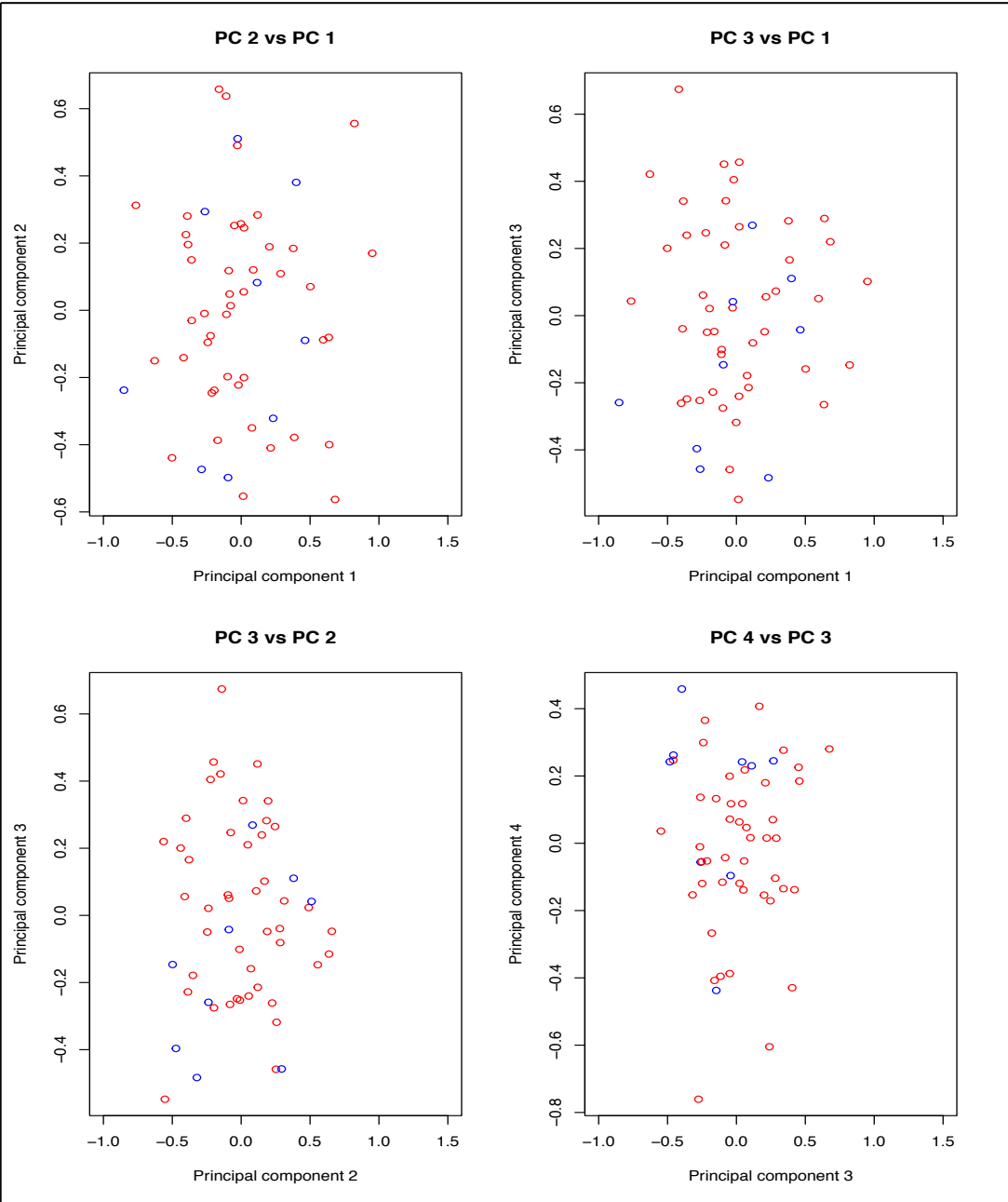


**Placenta (females)**



# Supplementary Figure 5

(A) Placenta (males)



(B) Placenta (Females)

