

check **Ammarnas brain sex-biased gene expression issue** (exceptional more number of female-biased genes, formed a distinct second clouds in volcano plot)

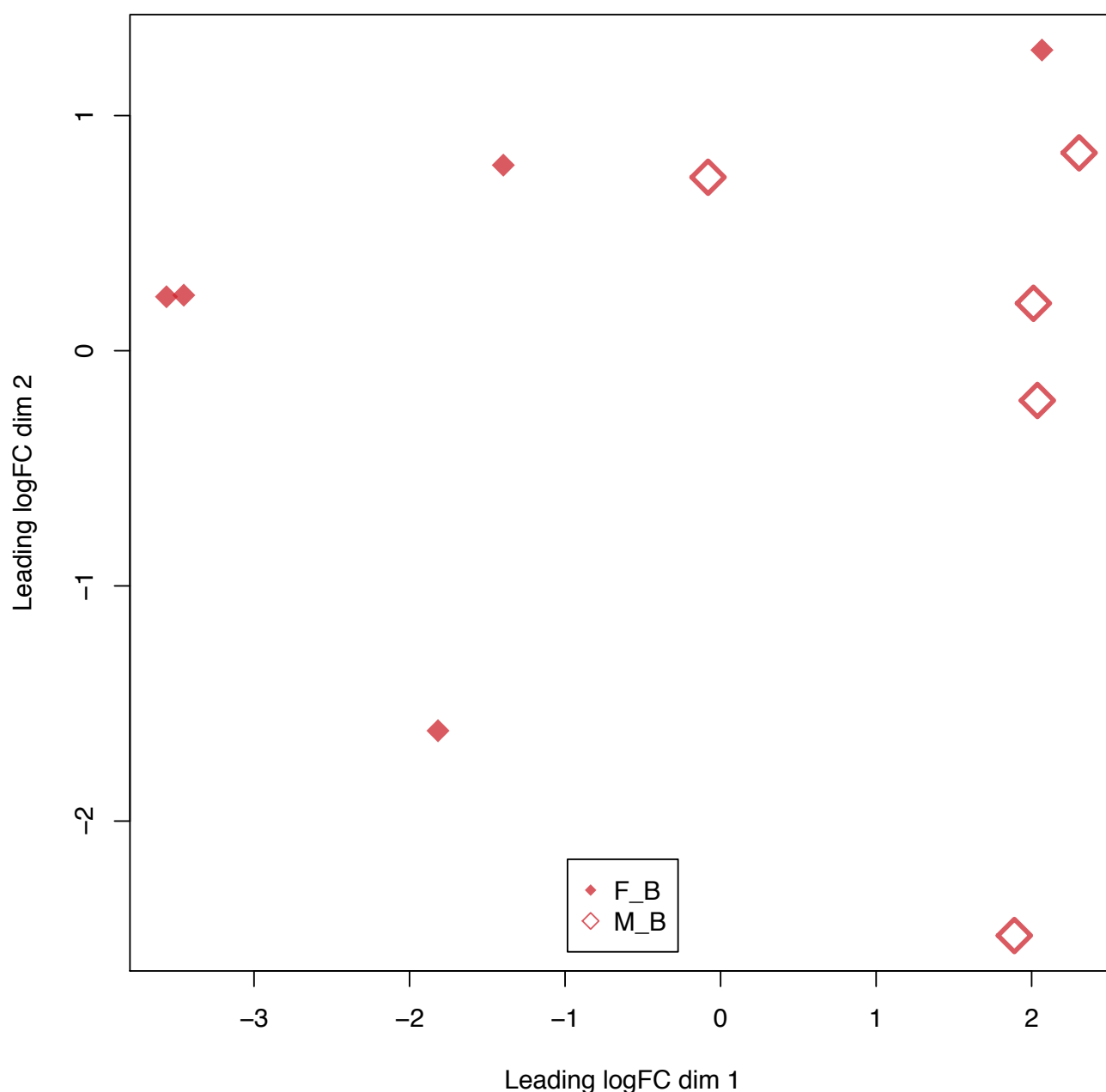
1. re-run analysis

the results remain the same as before (for number of SB genes and the second clouds)

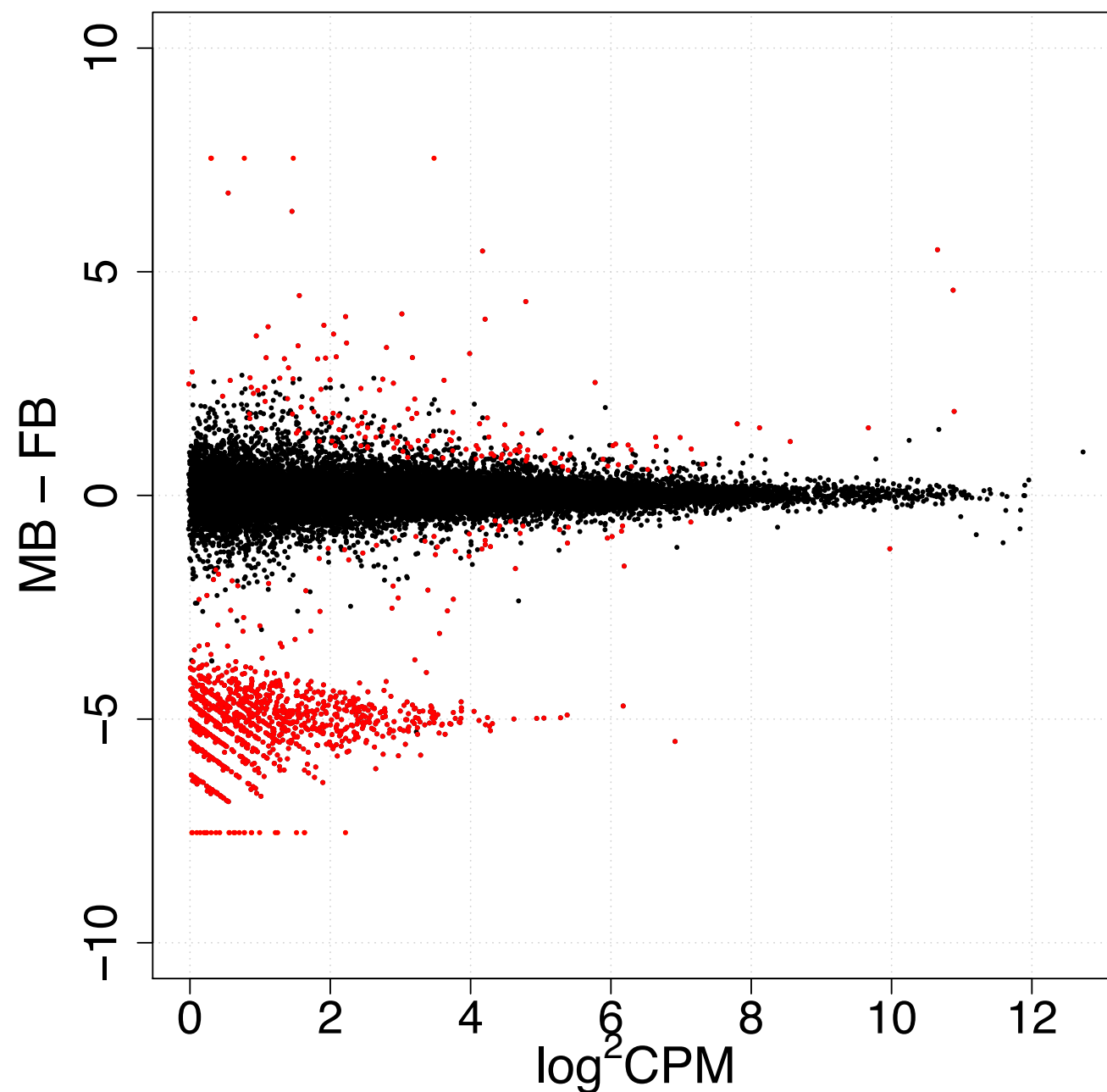
FB:1072 (FDR<0.05)

MB:166

Ammarnas MDS plot

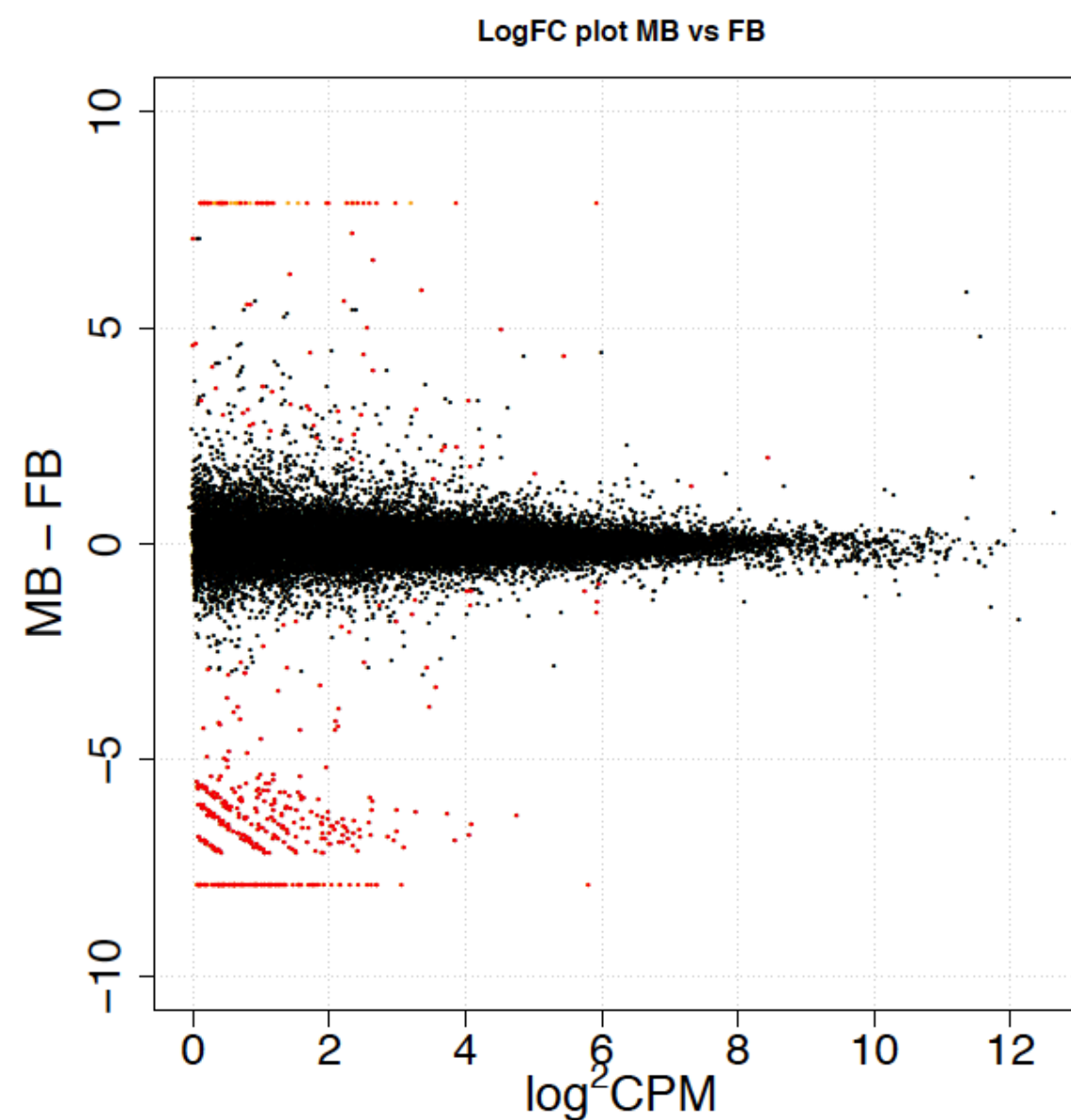
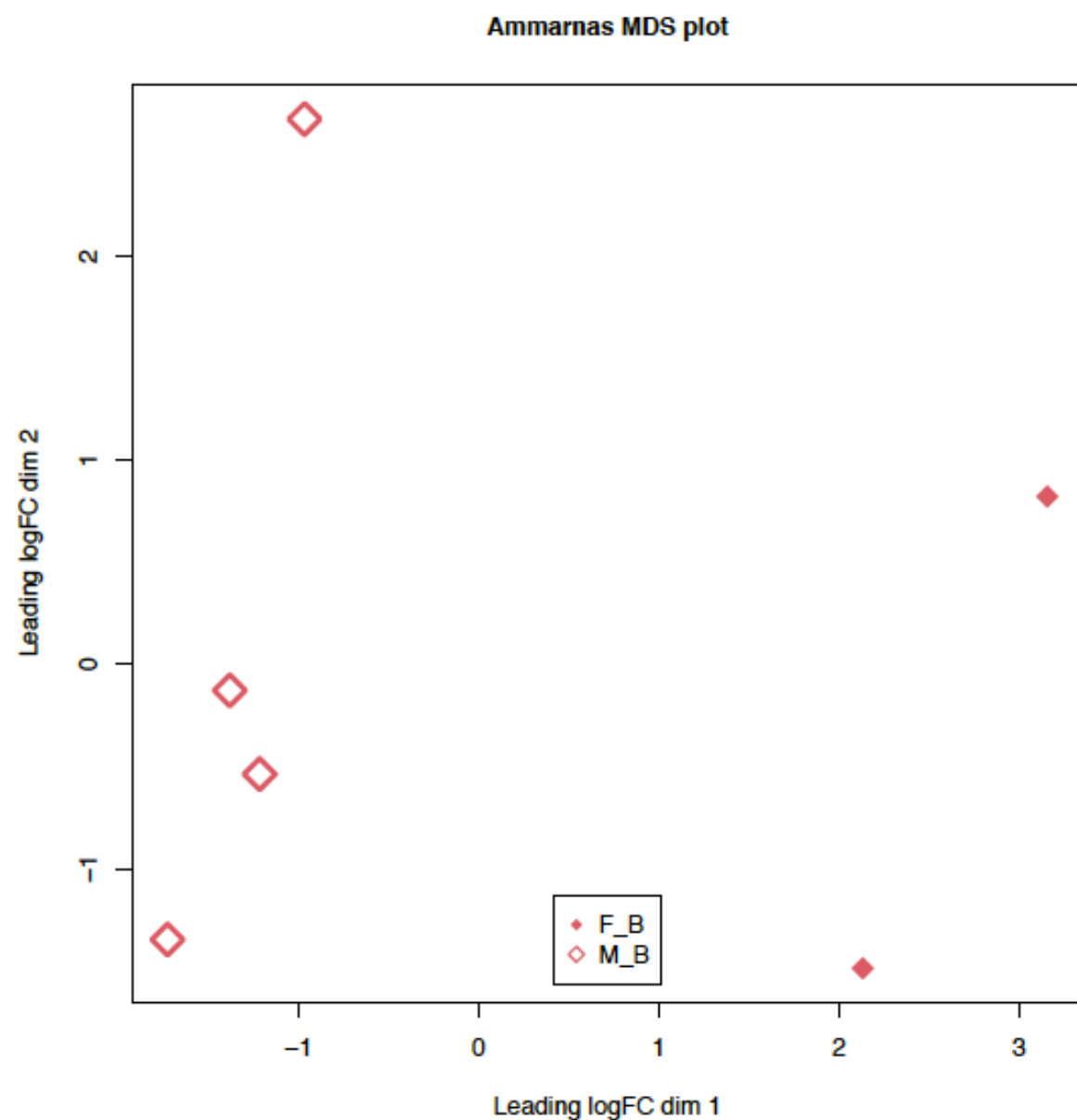


LogFC plot MB vs FB



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2. remove seem-to-be problematic samples, (remain 2 females and 4 males)
the extra female-biased gene cloud remains.



3. GO term analysis:

suggests no weird/possible contaminated-tissue specific genes.

GO category	GO	Term	Annotated	Significant	Expected	topGO (Fisher)	classic (Fisher)
BP	GO:0019752	carboxylic acid metabolic process	13	3	0.49	0.008	0.008
BP	GO:0043043	peptide biosynthetic process	19	3	0.72	0.030	0.025