

## SUPPLEMENTARY INFORMATION

Fig. S1

SG-107.CEL

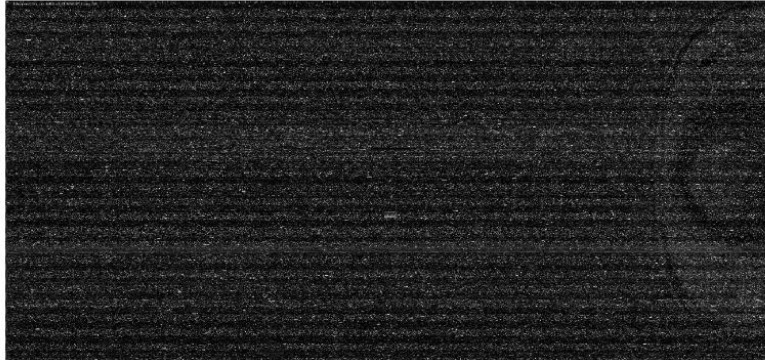


Fig. S2

SG-121.CEL

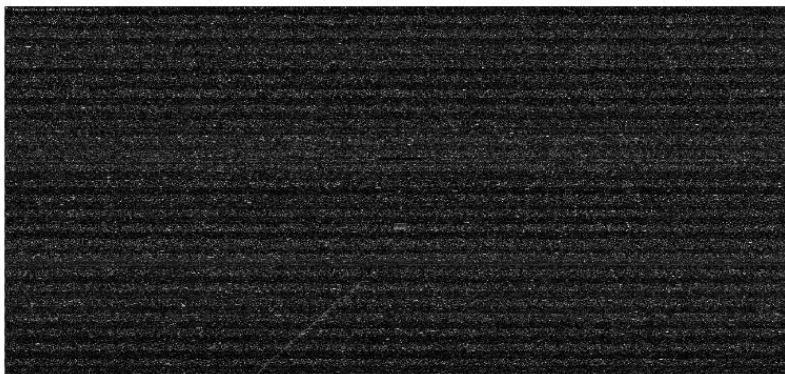


Fig. S3

Dendrogram of disease status

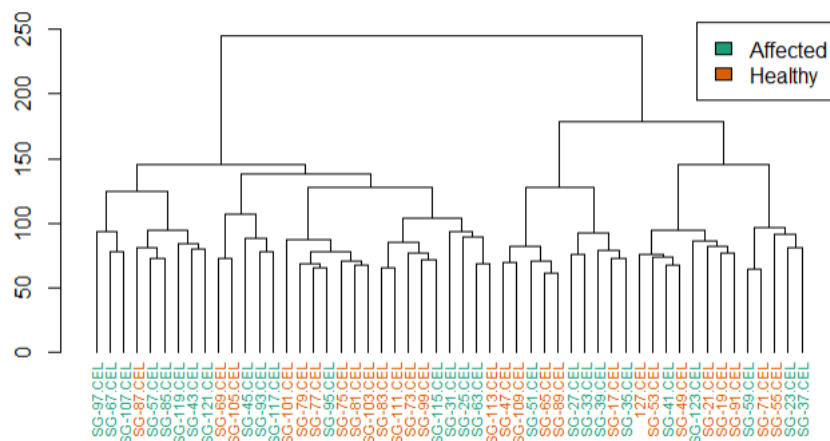


Fig. S4

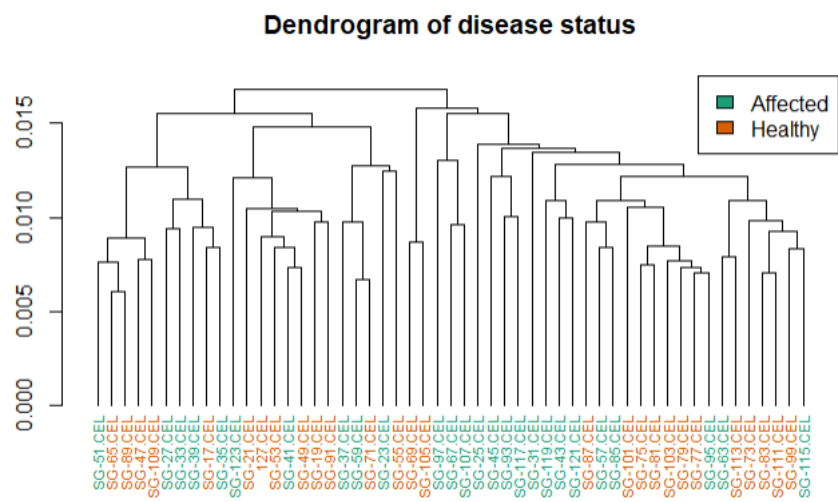


Fig. S5

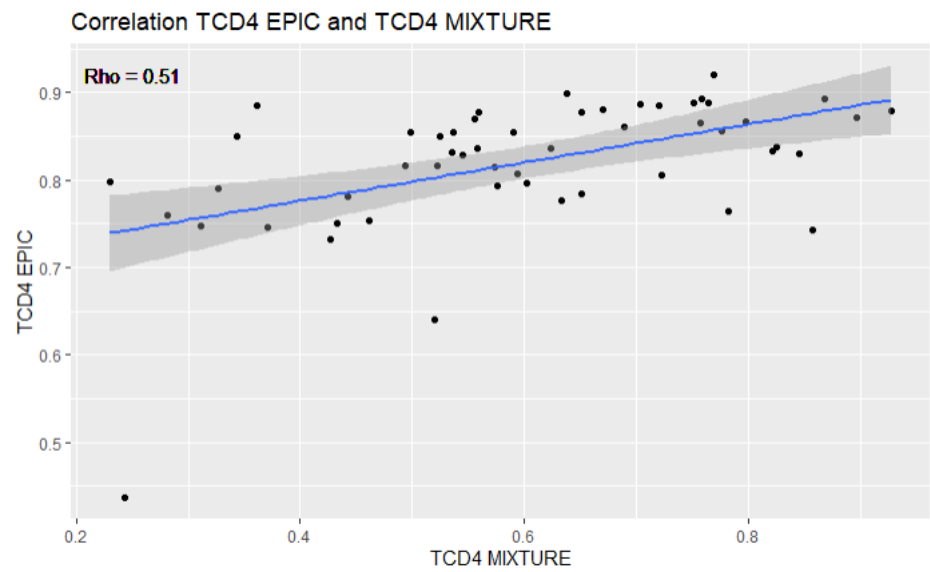


Fig. S6

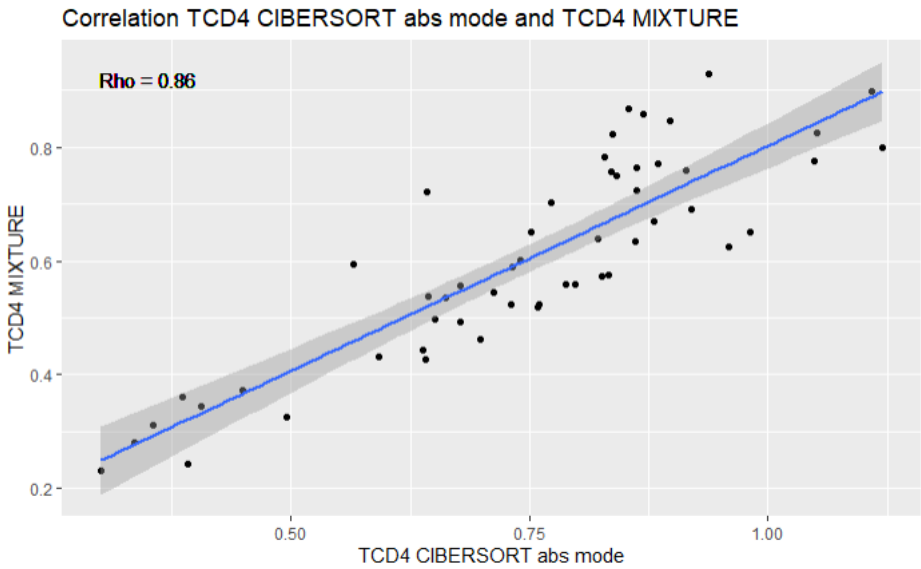
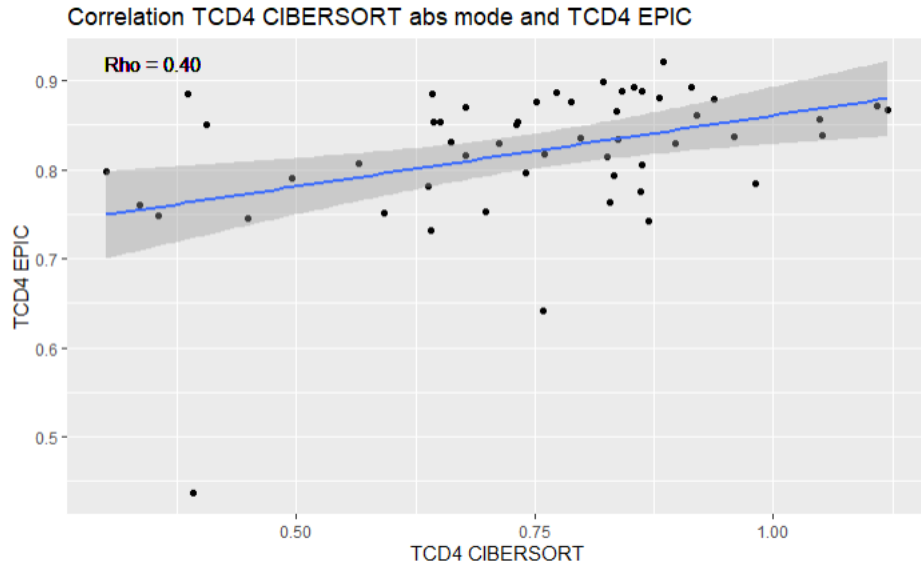
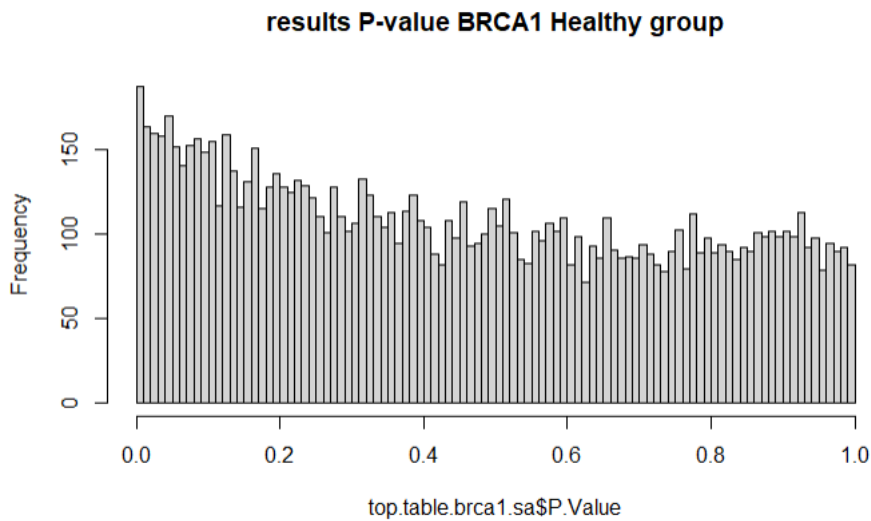


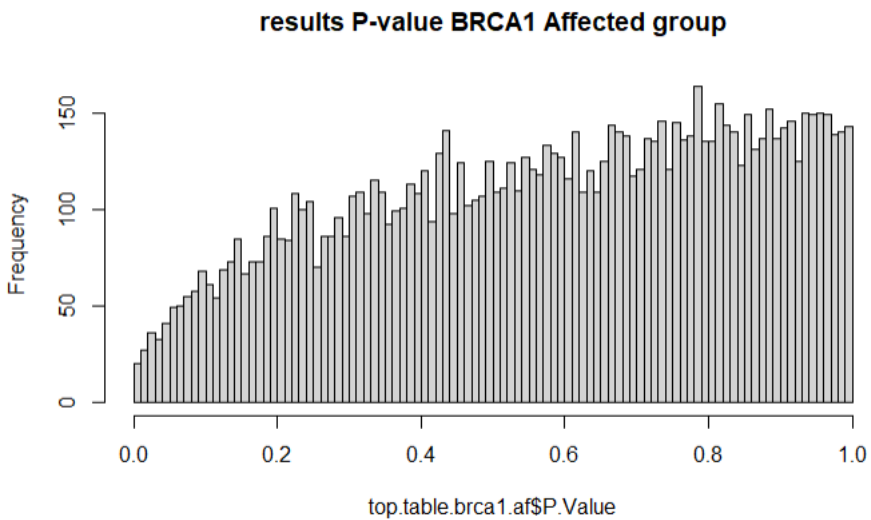
Fig. S7



**Fig. S8**



**Fig. S9**



**Fig. S10**

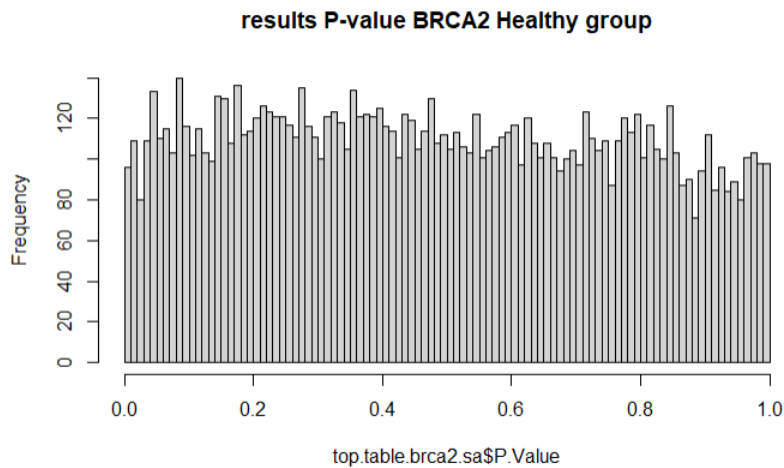


Fig. S11

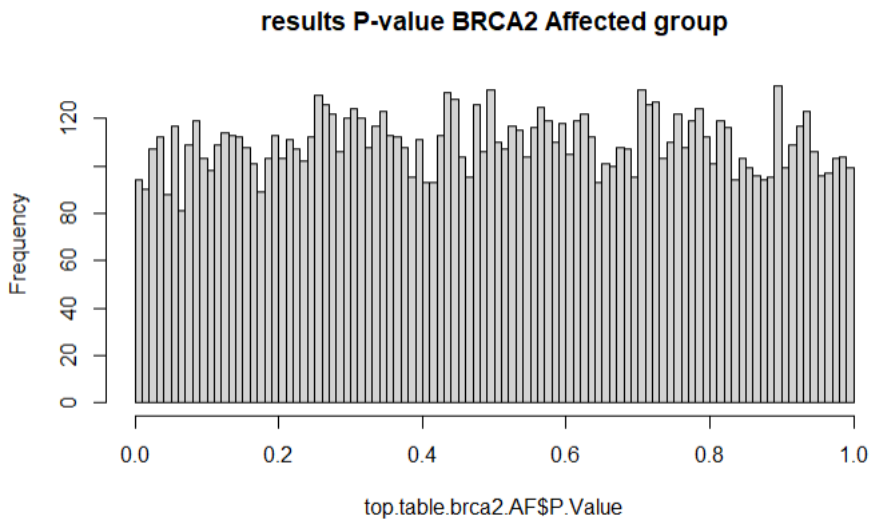
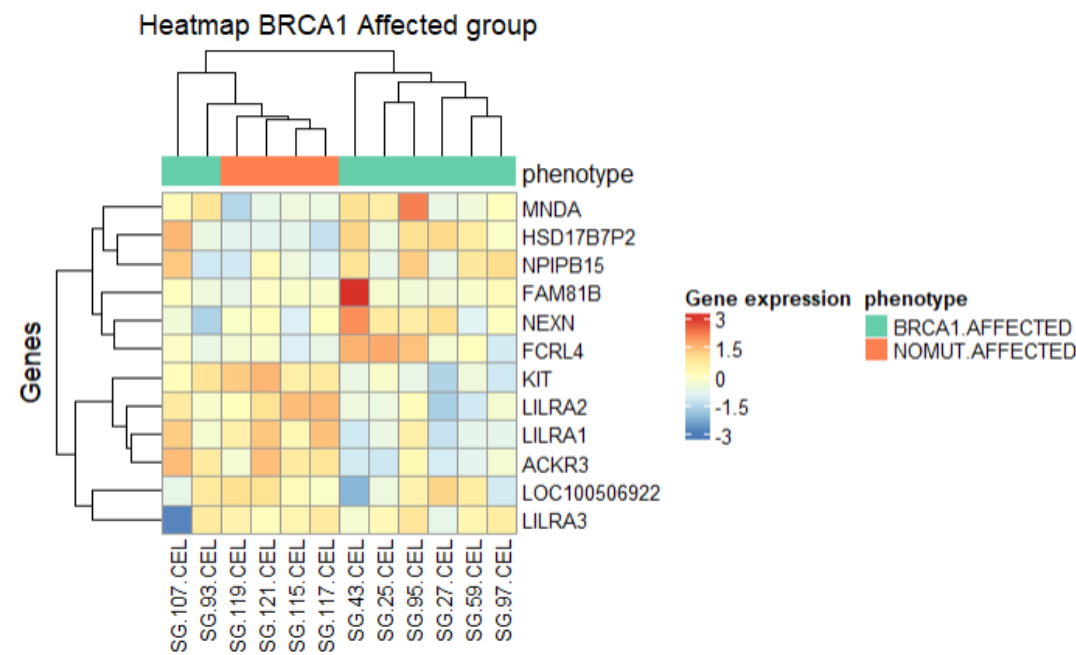
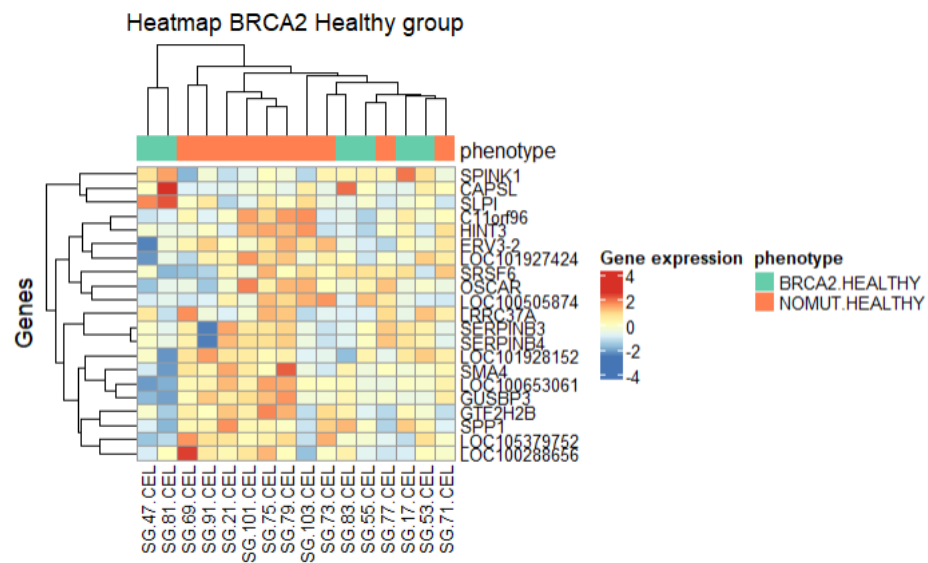


Fig. S12



**Fig. S13**



**Fig. S14**

