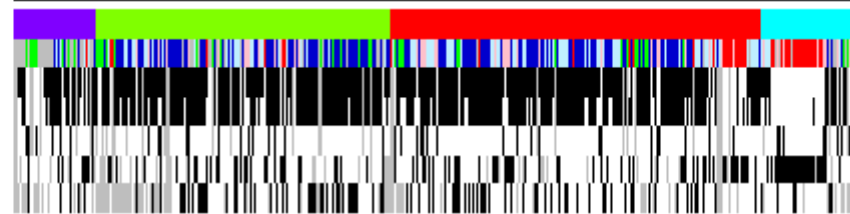
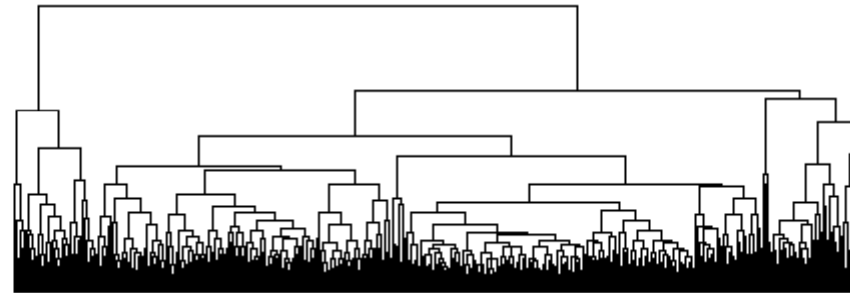
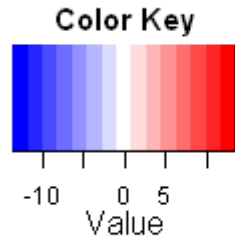
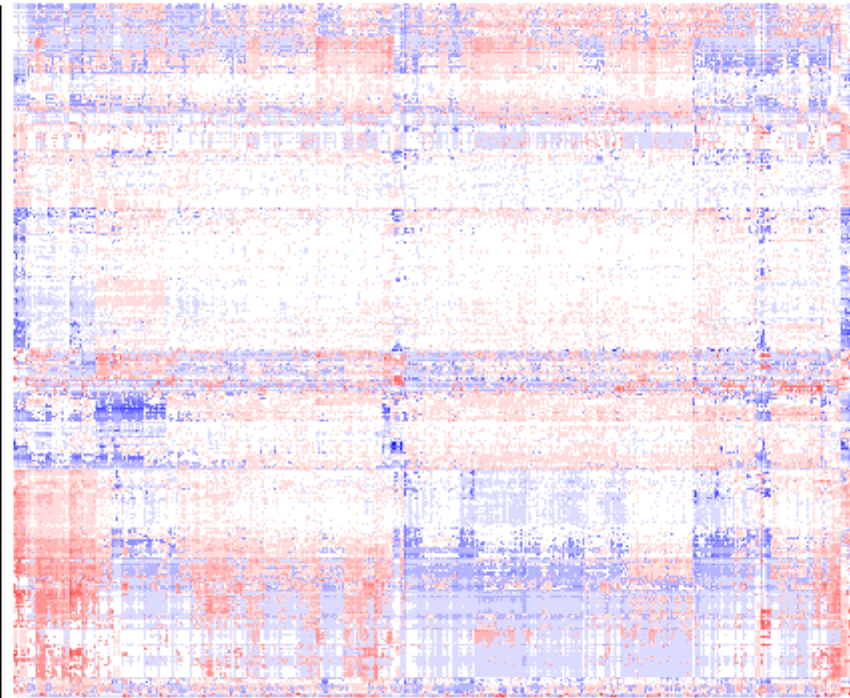
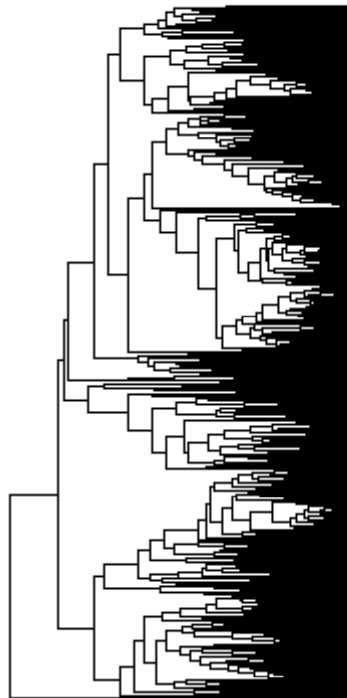


Additional file 3



miRNA cluster
PAM50
ER
PR
HER2
TP53
PIK3CA



miRNA cluster

- 1
- 2
- 3
- 4

ER, PR, HER2/
TP53, PIK3CA

- Positive/Mutated
- Negative/Wild-type
- NA

PAM50

- Luminal A
- Luminal B
- Basal
- HER2
- Normal-like
- NA