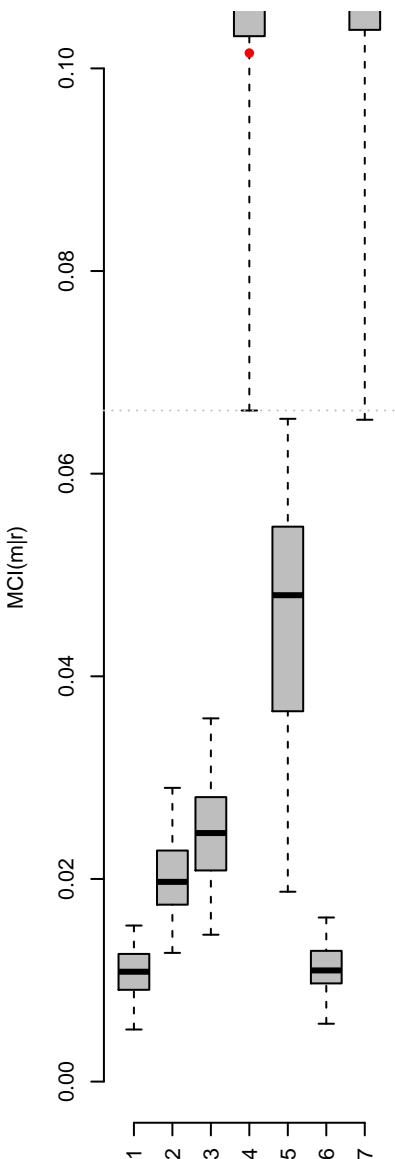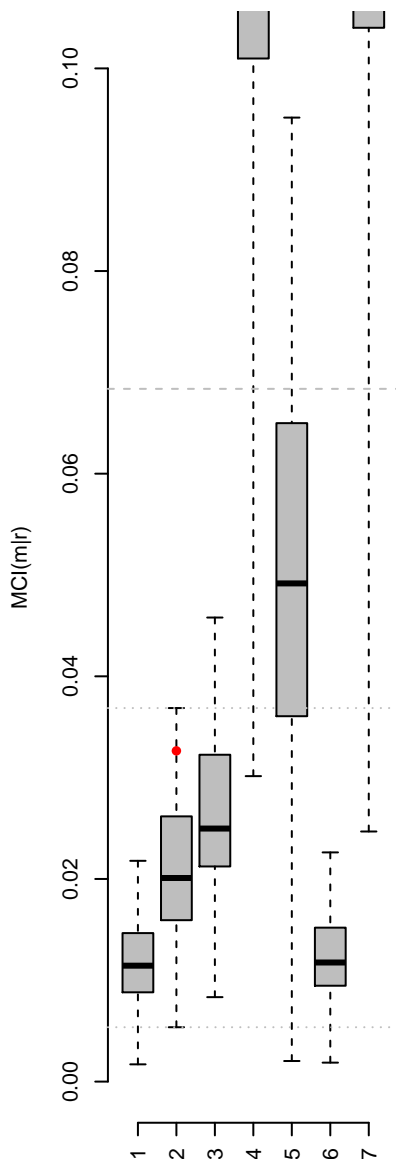**Cluster 4 ; 13 genes vs. 100 times of gene−permutation**

Cluster 2 ; 8 genes vs. 100 times of gene−permutation

Cluster 2 ; 7 genes vs. 100 times of gene−permutation