

WGCNA – Summary

adjacency: Calculate network adjacency

Calculates (correlation or distance) network adjacency from given expression data or from a similarity.

TOMsimilarity: Topological overlap matrix similarity and dissimilarity

Calculation of the topological overlap matrix, and the corresponding dissimilarity, from a given adjacency matrix.

signedKME: Signed eigengene-based connectivity

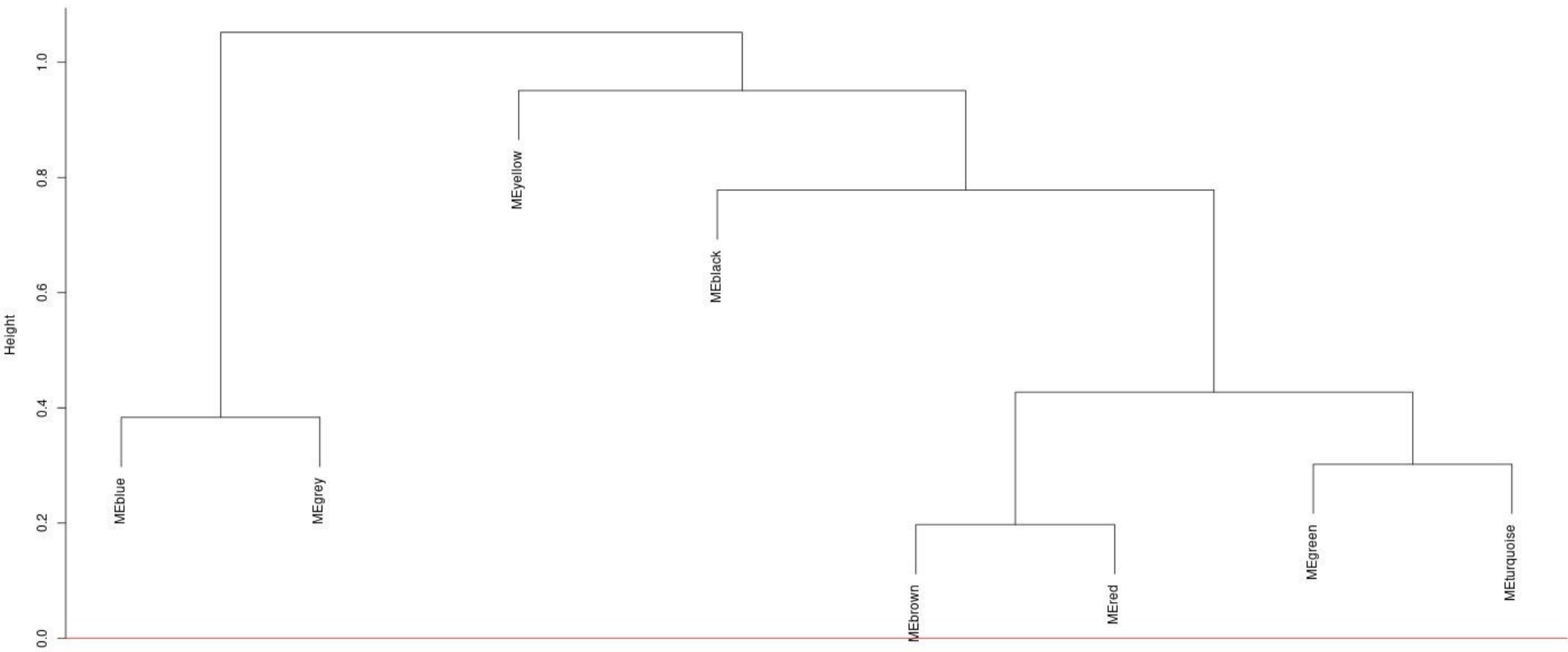
Calculation of (signed) eigengene-based connectivity, also known as module membership.

softConnectivity: Calculates connectivity of a weighted network.

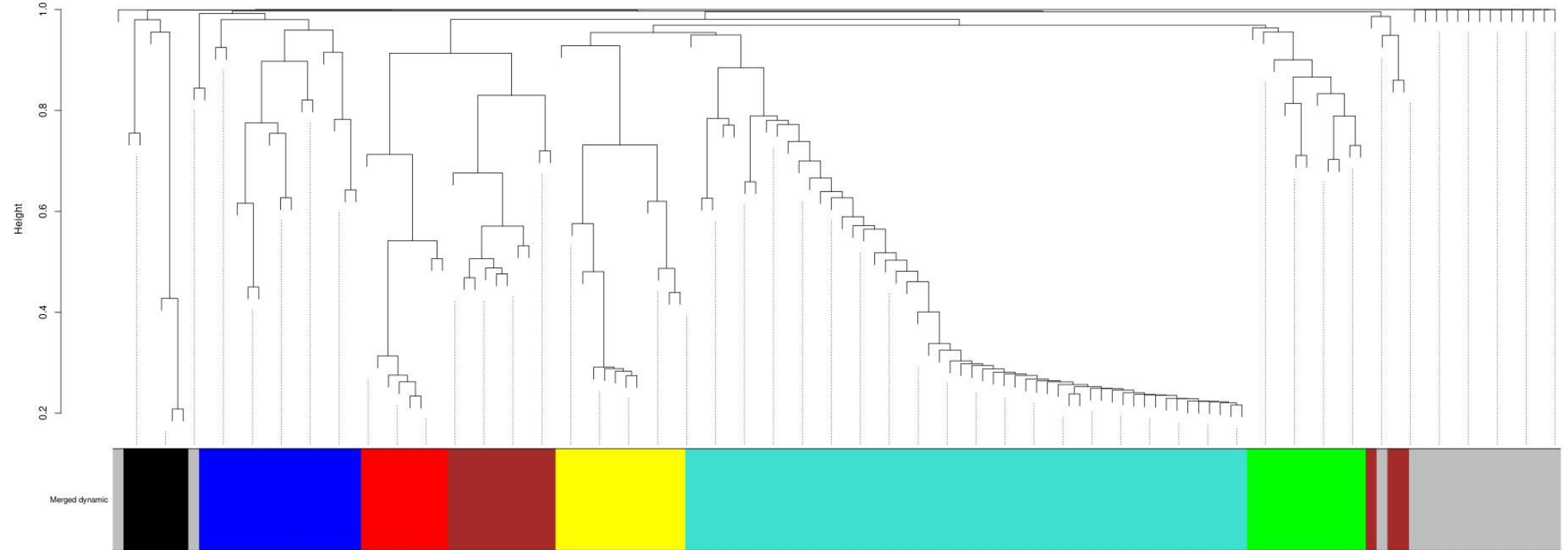
Given expression data or a similarity, the function constructs the adjacency matrix and for each node calculates its connectivity, that is the sum of the adjacency to the other nodes.

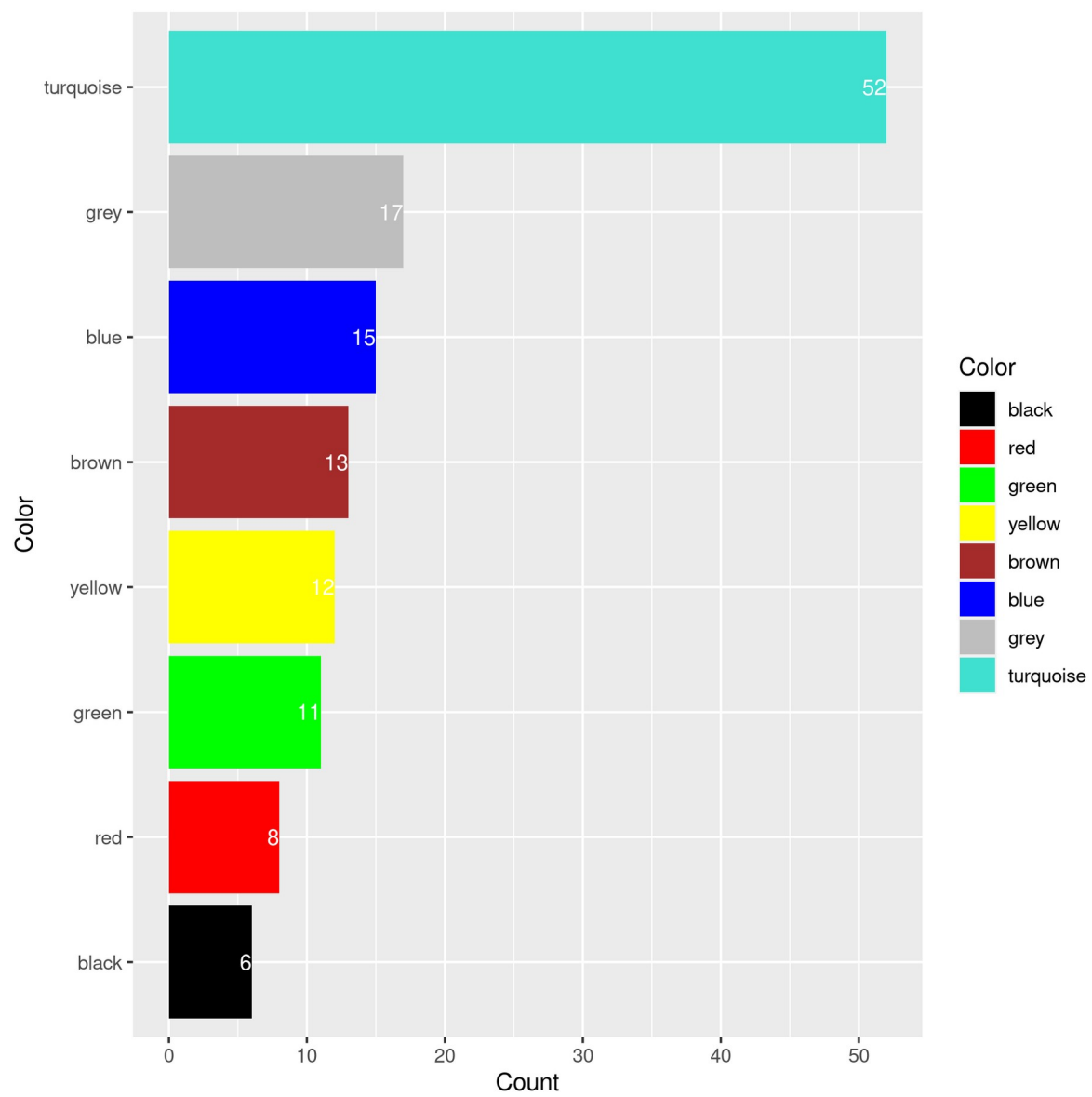
B73

Clustering of module eigengenes



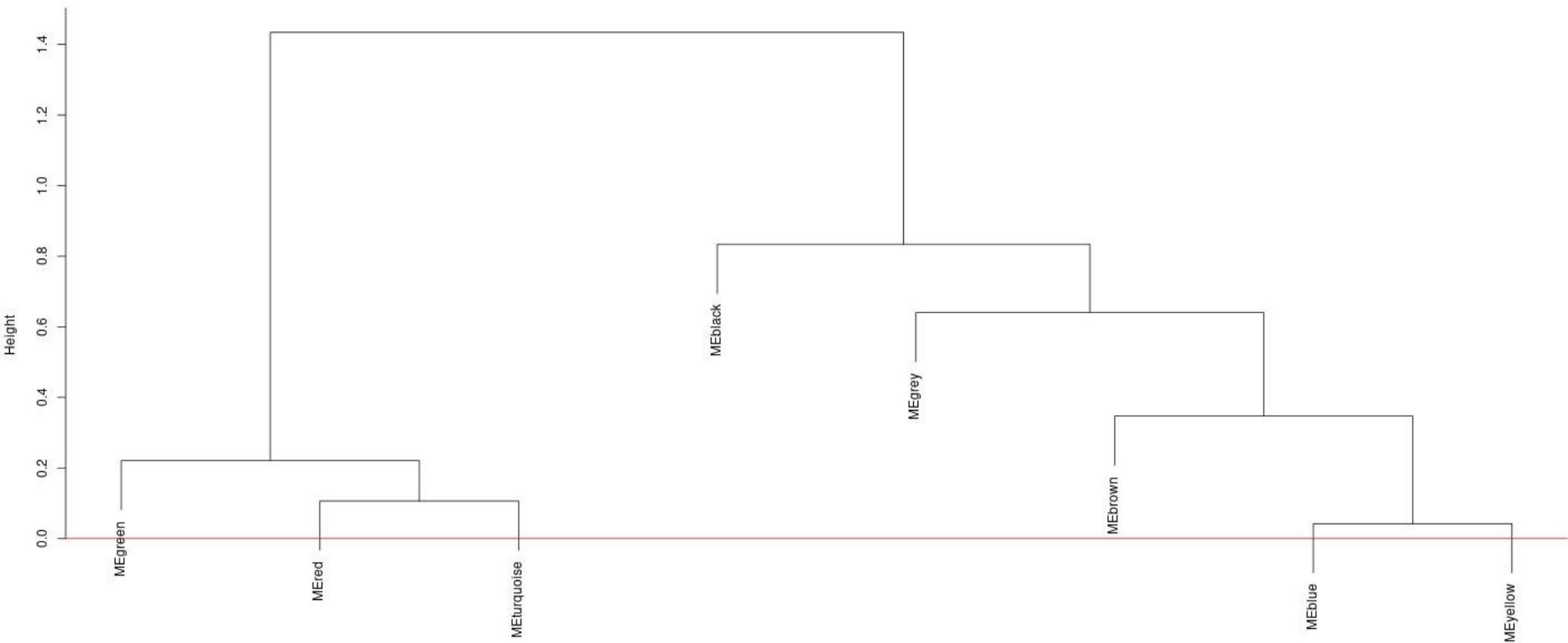
Cluster Dendrogram



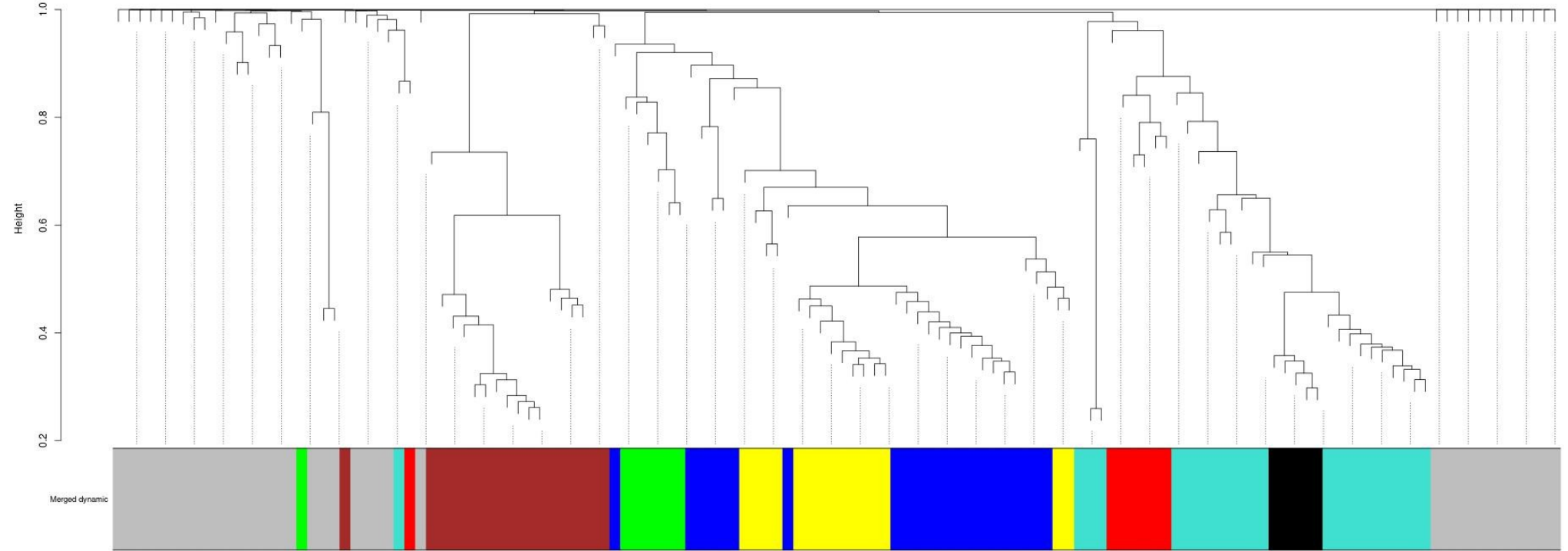


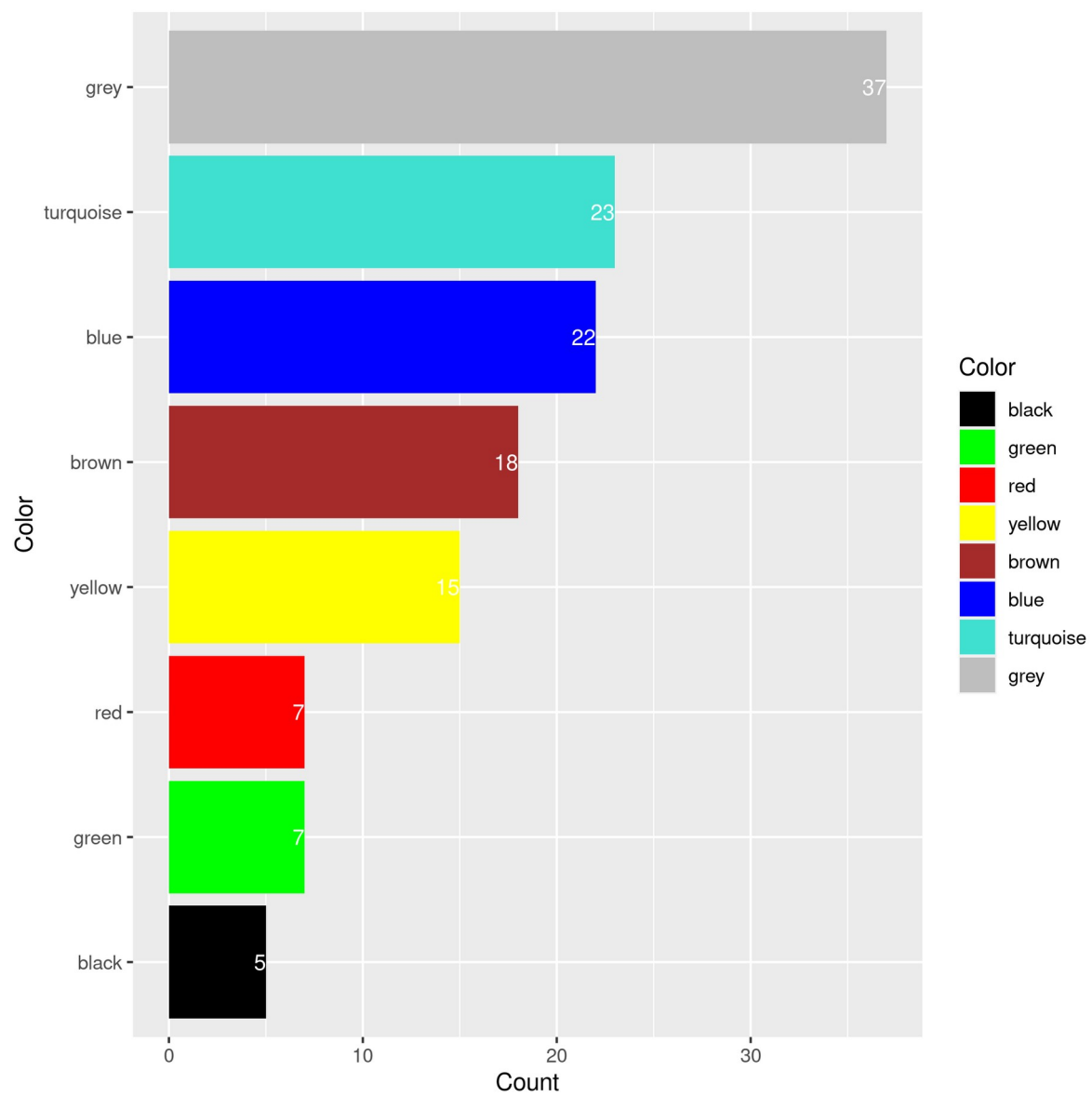
02

Clustering of module eigengenes

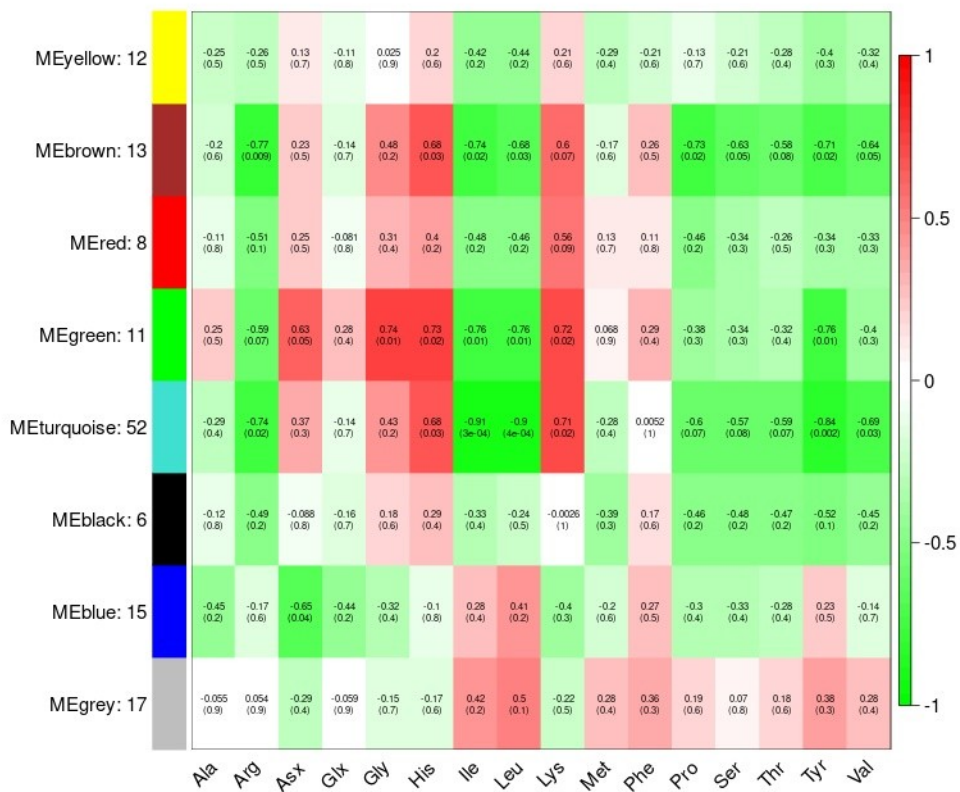


Cluster Dendrogram

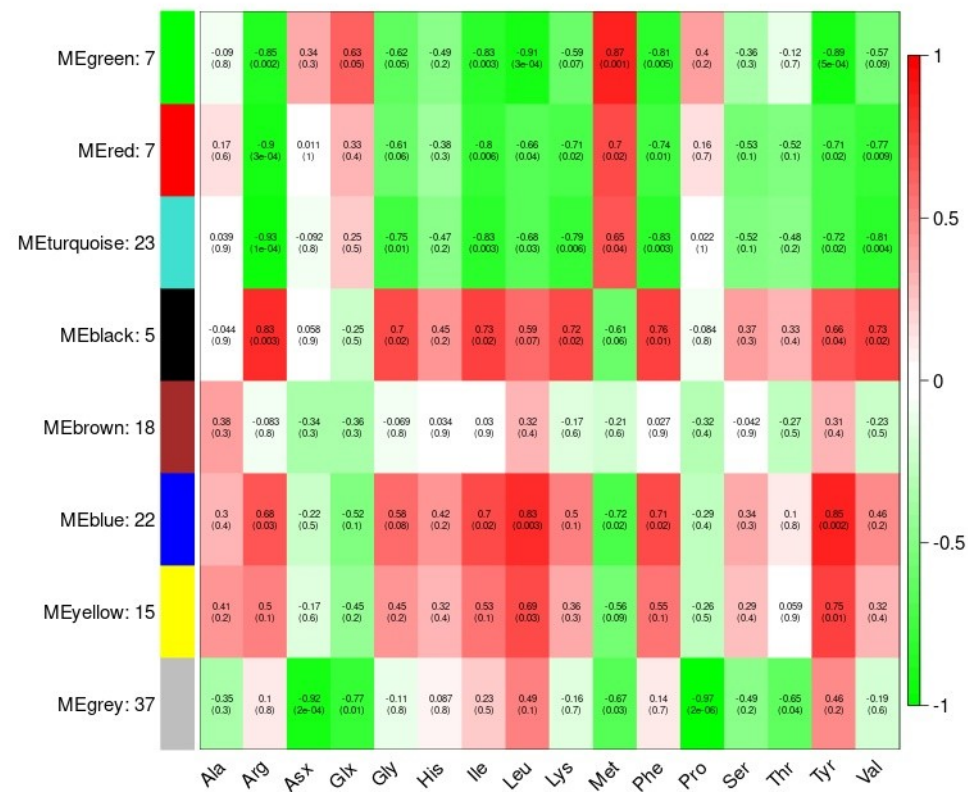




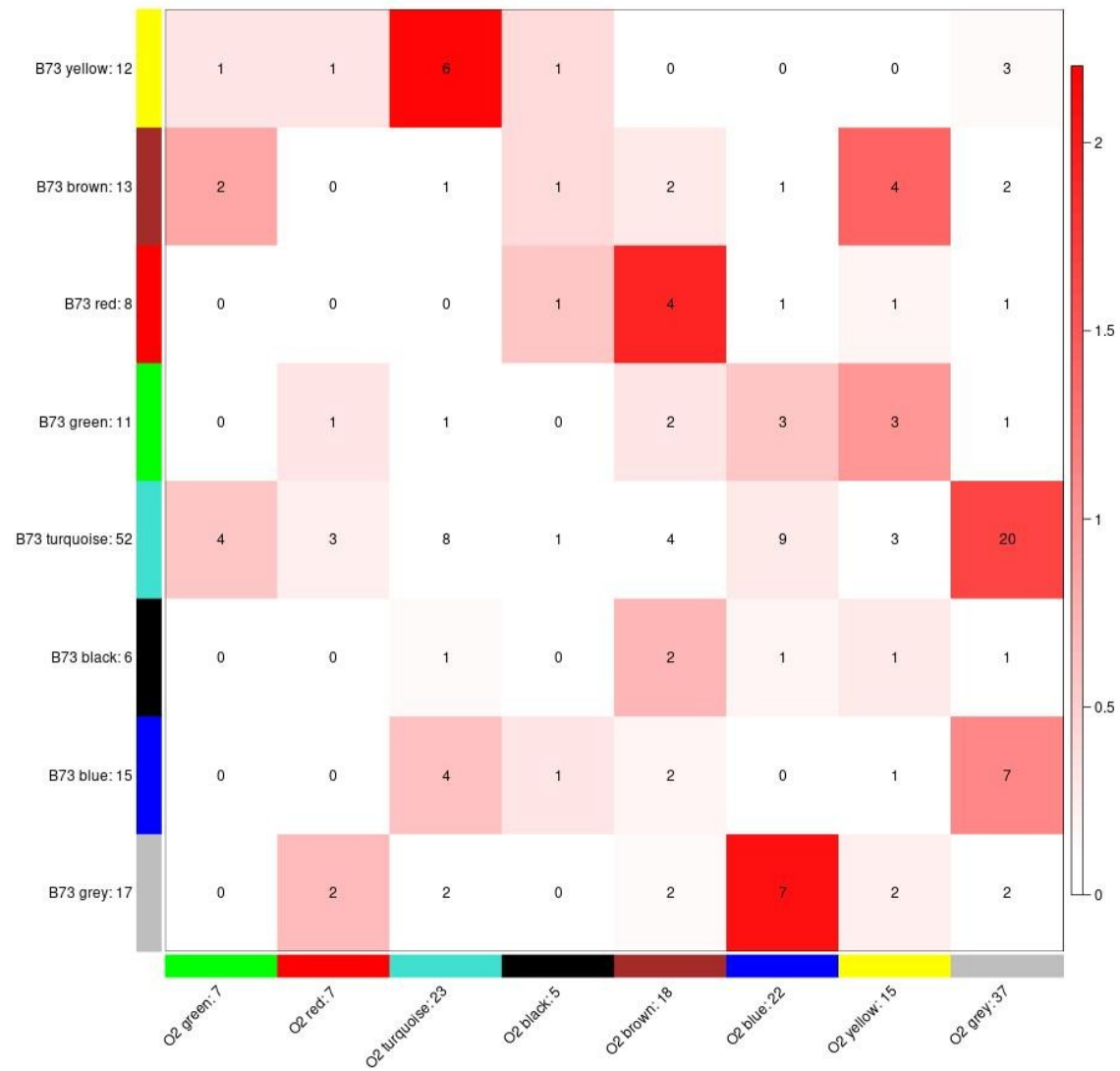
B73 module-absolute_trait relationships



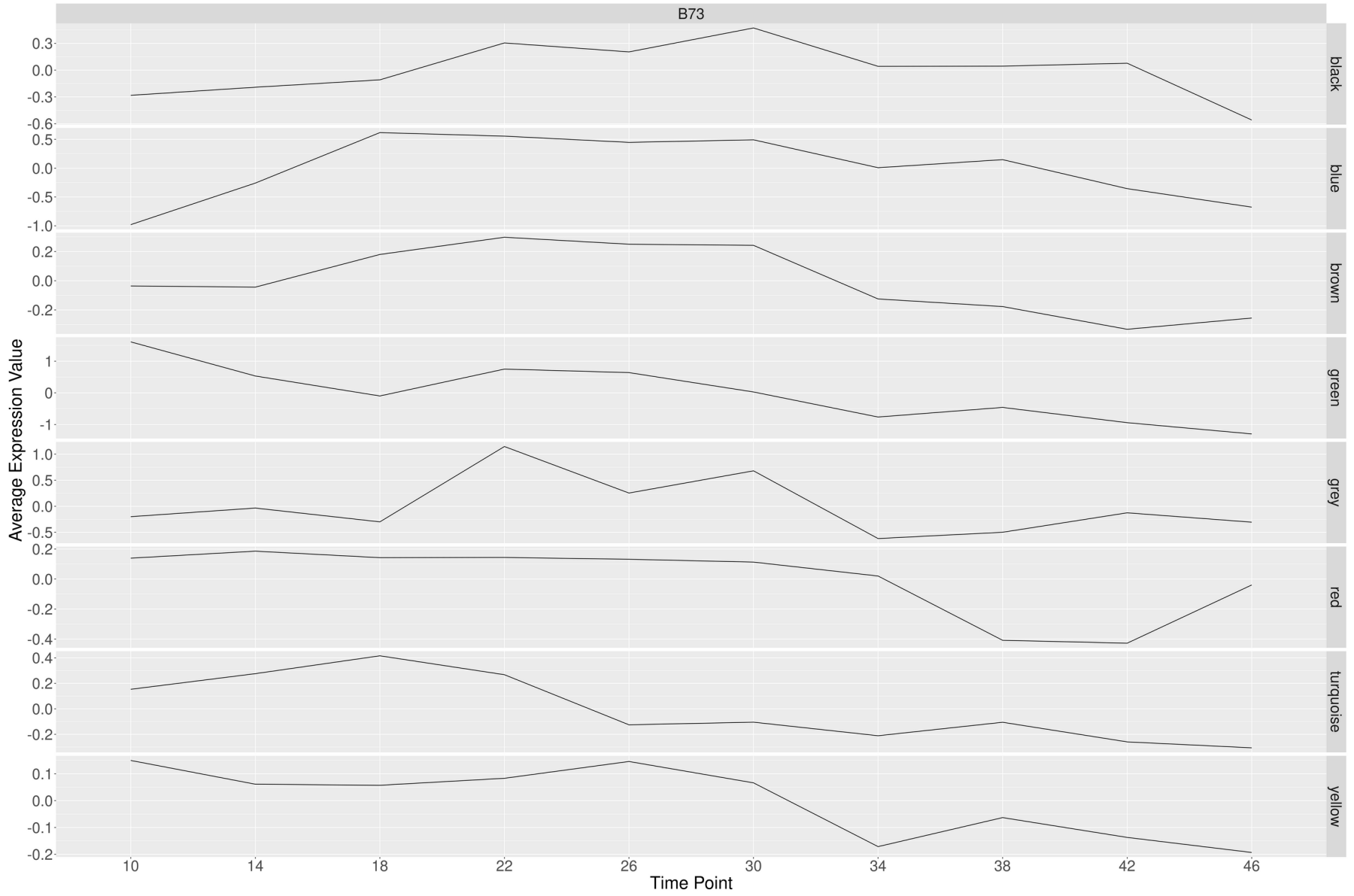
O2 module-absolute_trait relationships

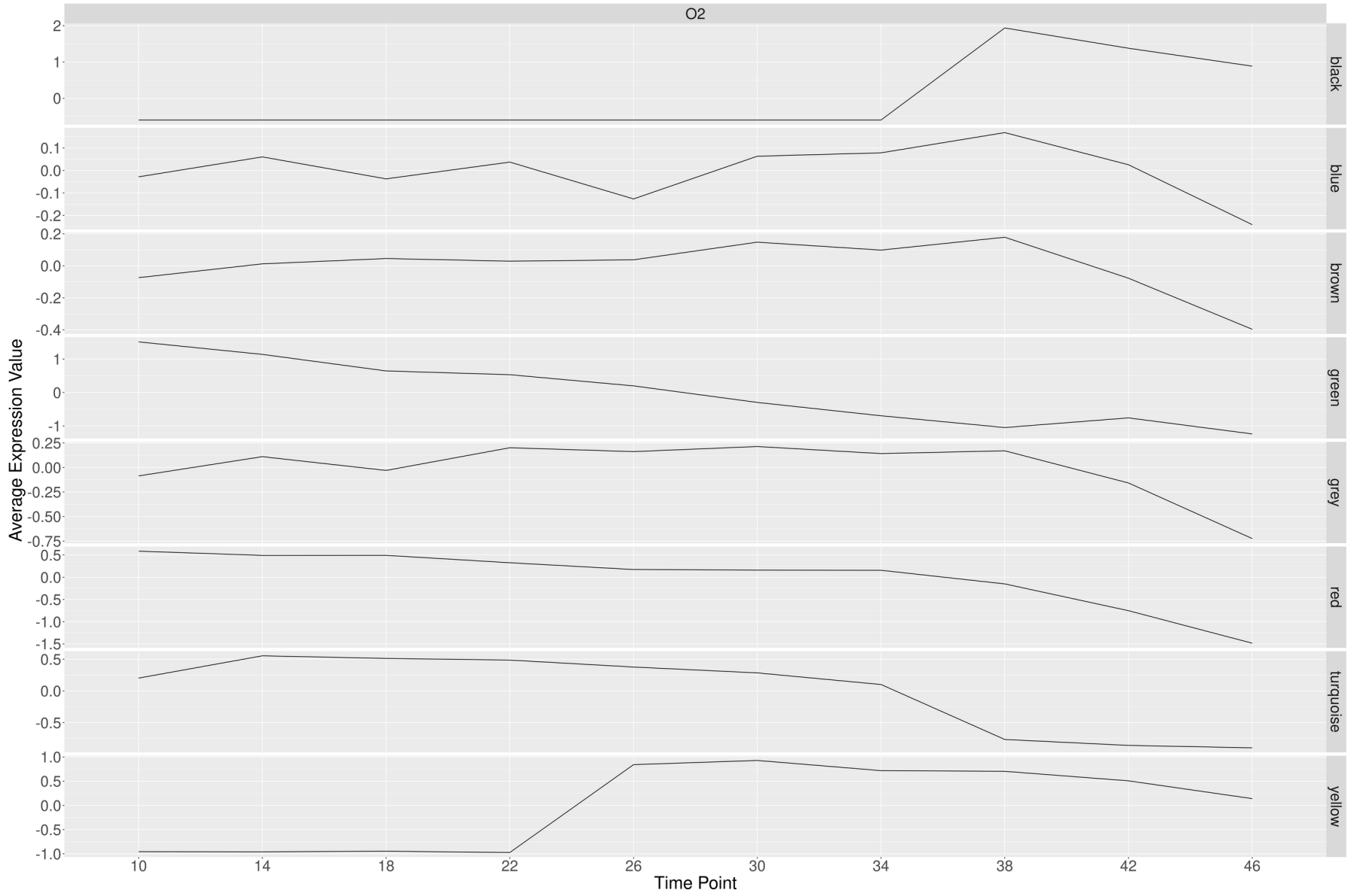


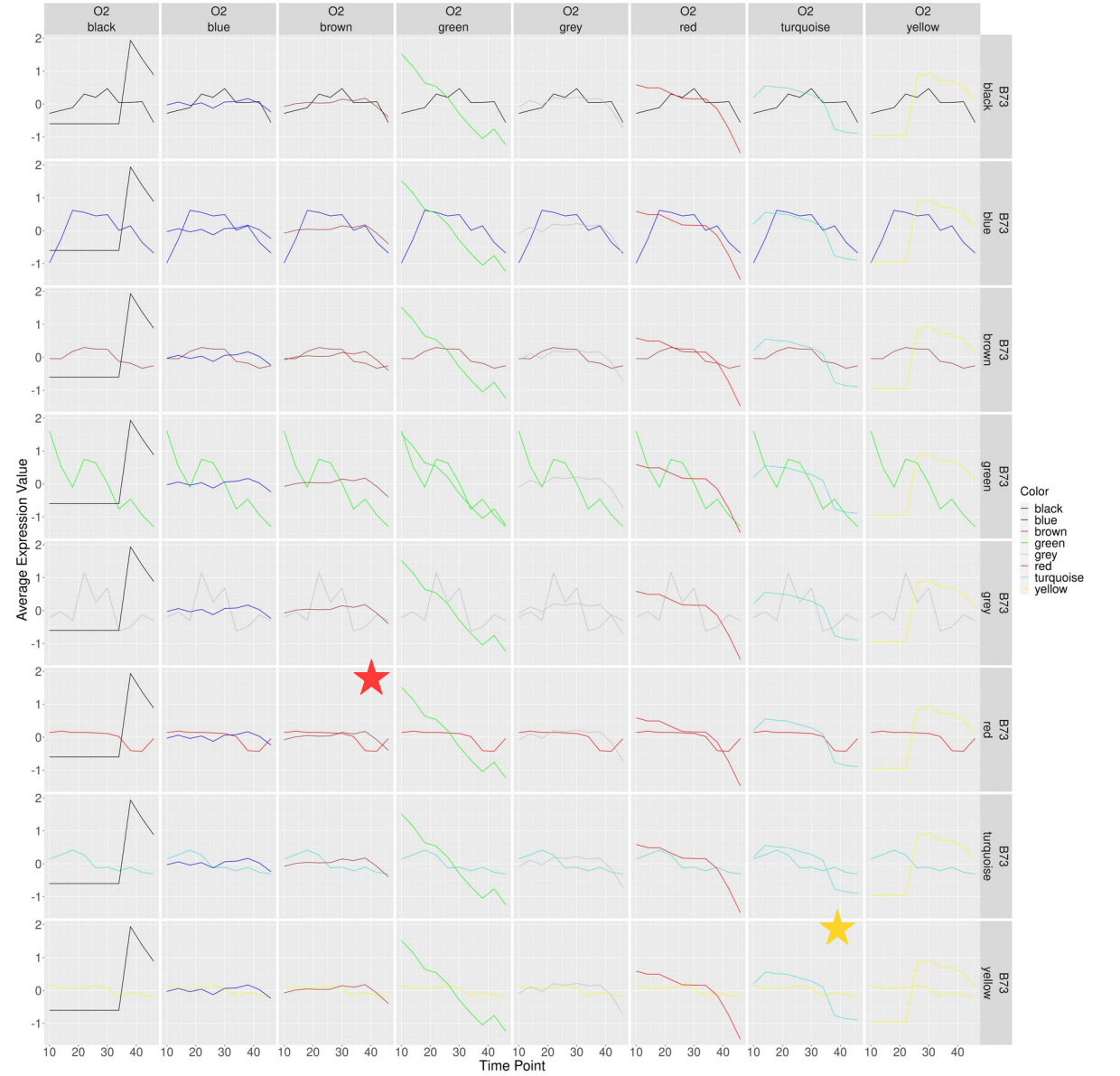
Correspondence of B73 set-specific and O2 set-specific modules

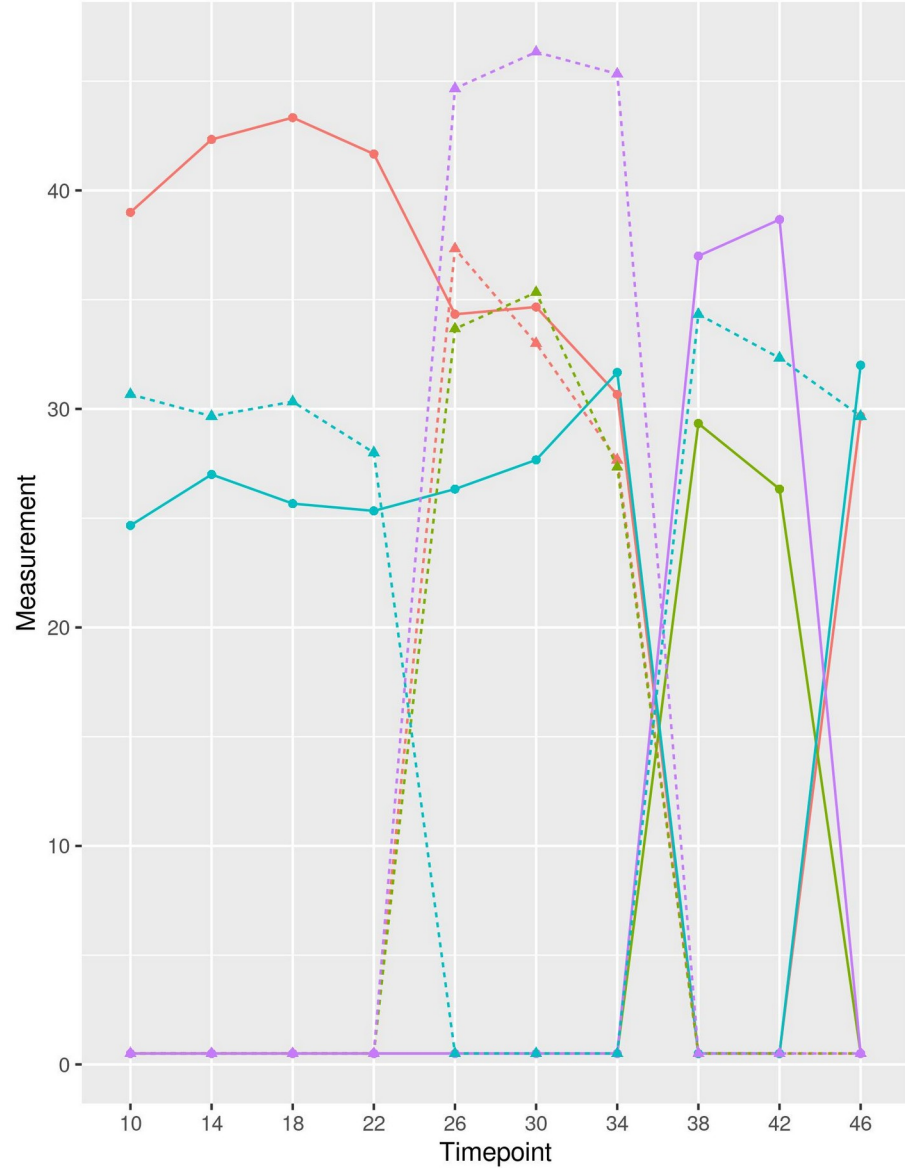


B73









Genotype

- Zm00001d007900
- Zm00001d010618
- Zm00001d010867
- Zm00001d018979

Sample

- B73
- O2

