

Supplementary figures

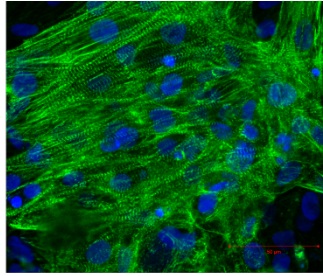


Figure 1. Immunocytochemistry of hESC-CM at day 15 stained for aActinin.

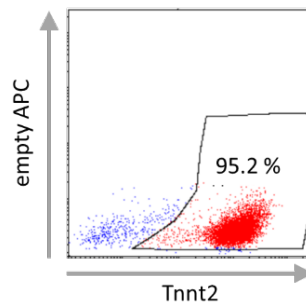


Figure 2. A representative flow cytometry analysis of cardiac marker, Tnnt2, of the cells from directed cardiac differentiation of hESCs. The analysis was performed on differentiation day 19.

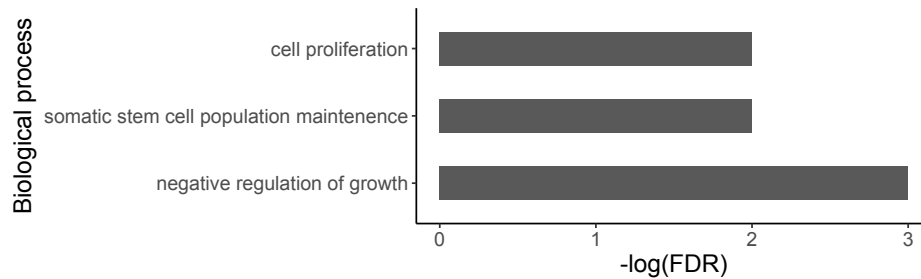


Figure 3. Gene ontology enriched analysis of cluster1 genes in Fig1B.

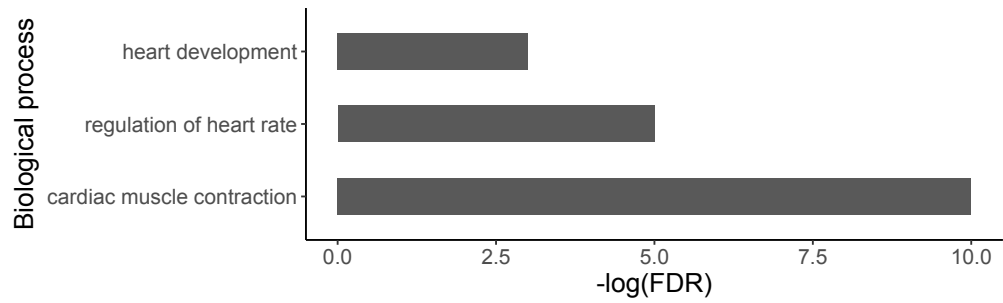


Figure 4. Gene ontology enriched analysis of cluster3 genes in Fig1B.

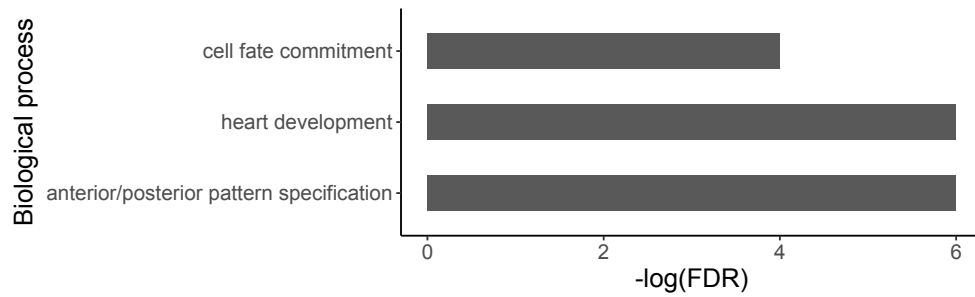


Figure 5. Gene ontology enriched analysis of cluster2 genes in Fig1B.

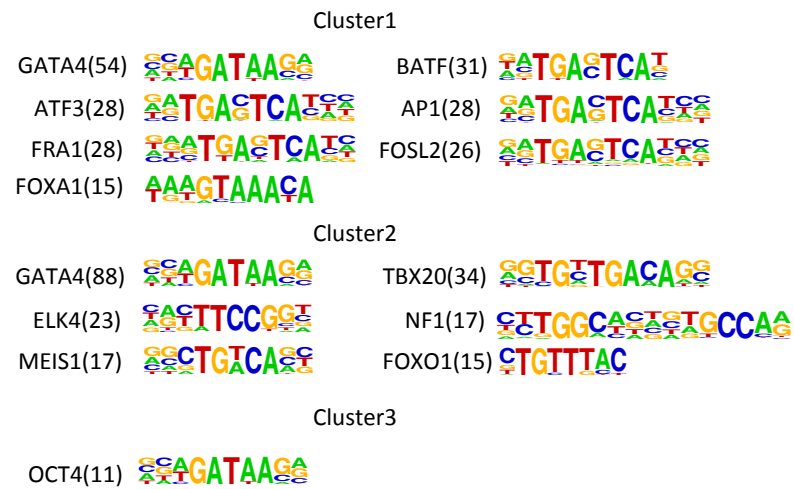


Figure 6. Motif enrichment analysis for RRBS fragments in clusters of Fig 5B. The numbers in the bracket represent the $-\log(\text{P-value})$.