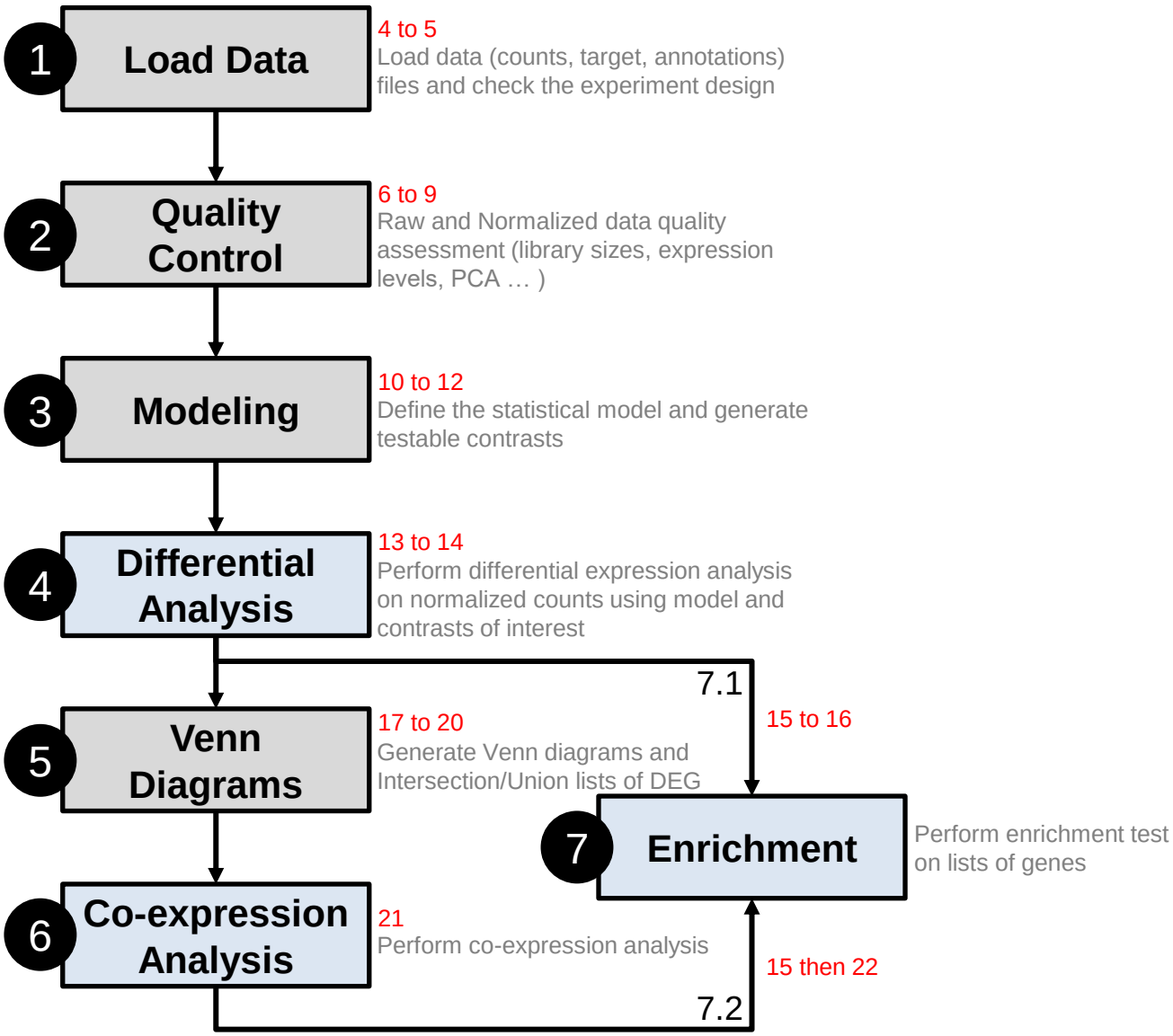
1
Load Data
4 to 5
Load data (counts, target, annotations) files and check the experiment design
2
Quality Control
6 to 9
Raw and Normalized data quality assessment (library sizes, expression levels, PCA …)
3
Modeling
10 to 12
Define the statistical model and generate testable contrasts
4
Differential Analysis
13 to 14
Perform differential expression analysis on normalized counts using model and contrasts of interest
7.1
15 to 16
5
Venn Diagrams
17 to 20
Generate Venn diagrams and Intersection/Union lists of DEG
7
Enrichment
Perform enrichment test on lists of genes
6
Co-expression Analysis
21
Perform co-expression analysis
15 then 22
7.2