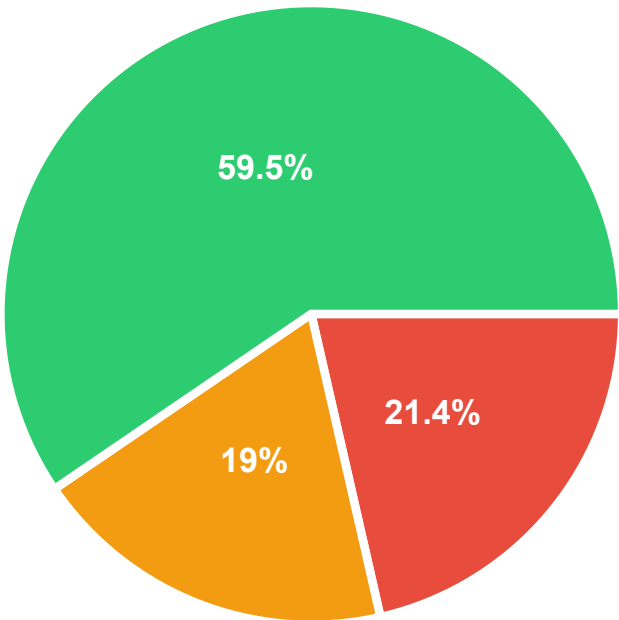


# Data Quality Assessment - SILAC Proteomics Analysis

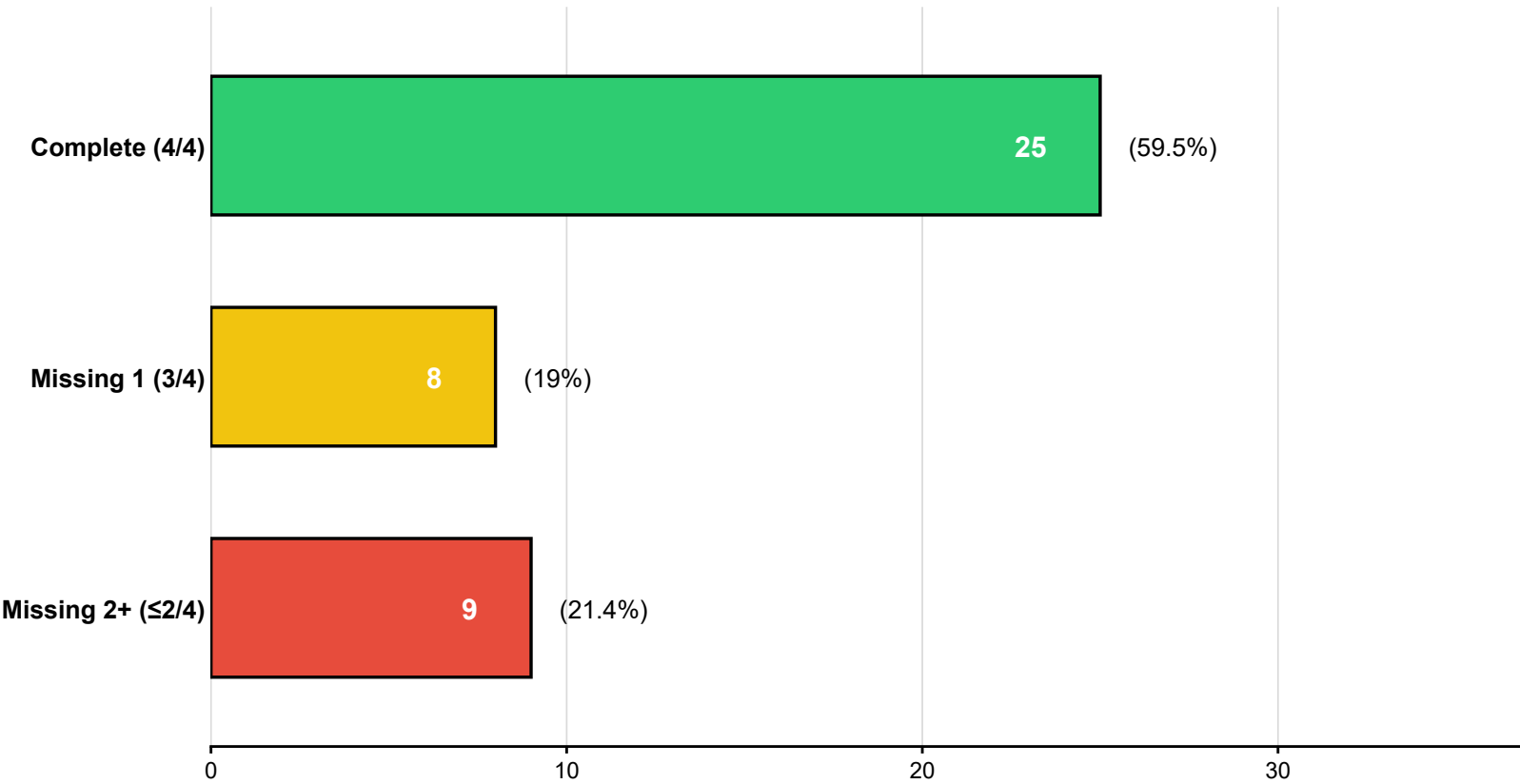
Testosterone vs Vehicle Control (n=42 secreted proteins)

A. Data Confidence Distribution



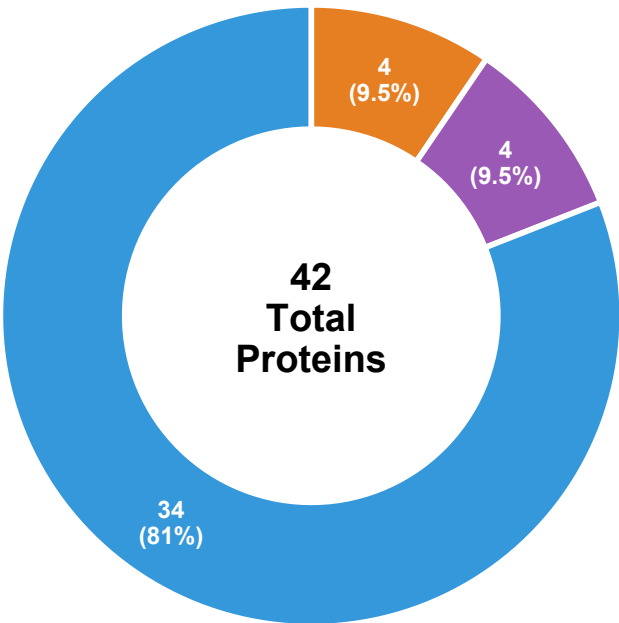
Confidence ■ High ■ Medium ■ Low

B. Replicate Data Completeness



Number of Proteins

C. Fold Change Calculation Status



FC Type ■ Cannot Calculate ■ Complete Suppression ■ Normal

D. Dataset Summary Statistics

Metric	Value
Total Proteins	42
High Confidence	25 (59.5%)
Usable for Analysis	25
Upregulated	21 (50%)
Downregulated	17 (40.5%)
Complete Suppression	4 (9.5%)
Mean Fold Change	2.49×
Median Fold Change	1.53×