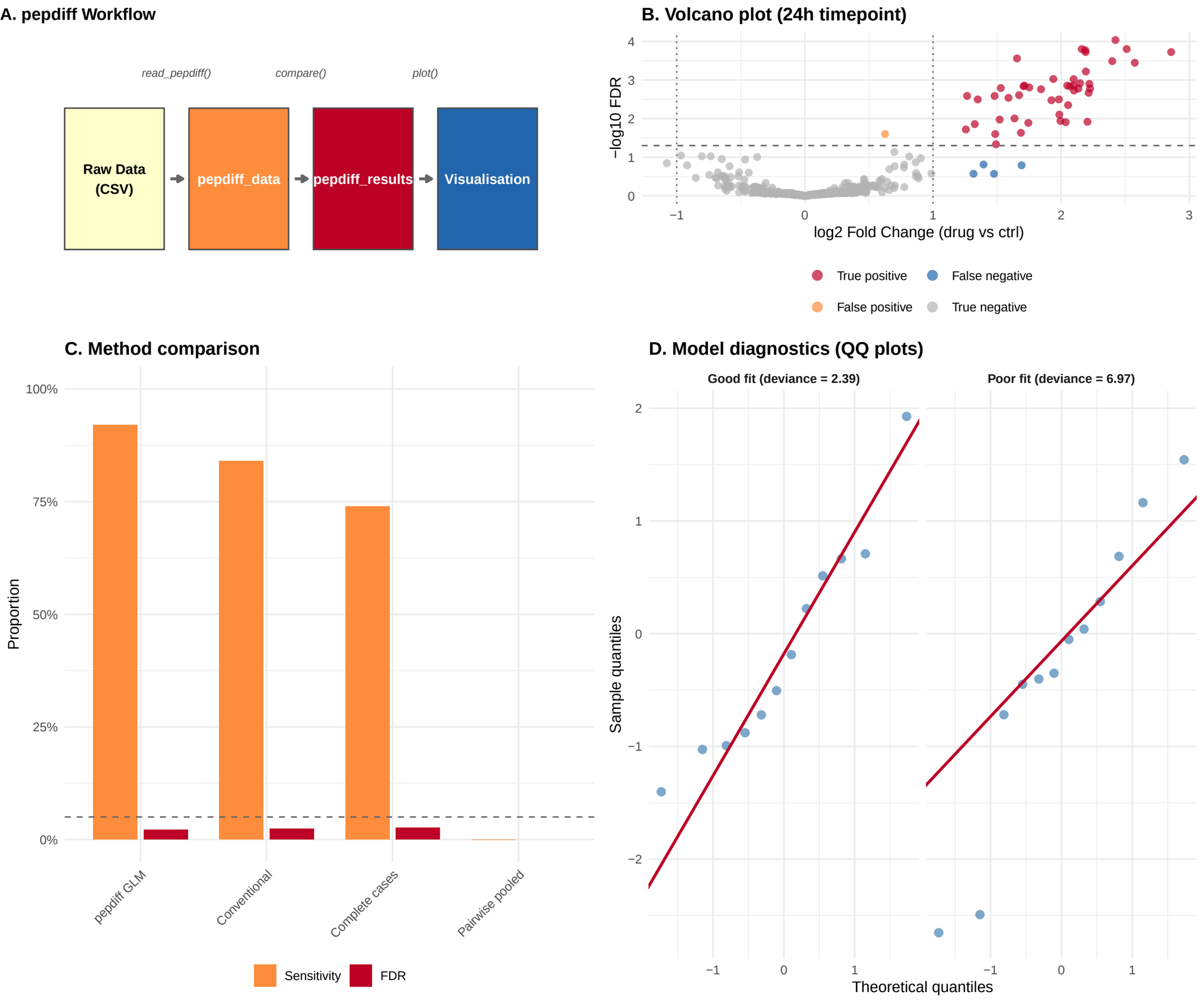
A. pepdiff Workflow
read_pepdiff()
compare()
plot()
Raw Data (CSV)
pepdiff_data
pepdiff_results
Visualisation
B. Volcano plot (24h timepoint)
−log10 FDR
log2 Fold Change (drug vs ctrl)
True positive
False negative
False positive
True negative
C. Method comparison
Proportion
100%
75%
50%
25%
0%
pepdiff GLM
Conventional
Complete cases
Pairwise pooled
Sensitivity
FDR
D. Model diagnostics (QQ plots)
Good fit (deviance = 2.39)
Poor fit (deviance = 6.97)
Sample quantiles
Theoretical quantiles