QQ−plot of p−values, positive selection, test 1

Legend:
- Positive controls (green)
- Negative controls (yellow)
- Neutral controls (red)

X-axis: Expected $-\log_{10}(p-\text{values})$

Y-axis: Observed $-\log_{10}(p-\text{values})$

QQ-plot of p-values, negative selection, test 1

Legend:
- Positive controls (green)
- Negative controls (yellow)
- Neutral controls (red)

x-axis: Expected $-\log_{10}(p-values)$

y-axis: Observed $-\log_{10}(p-values)$
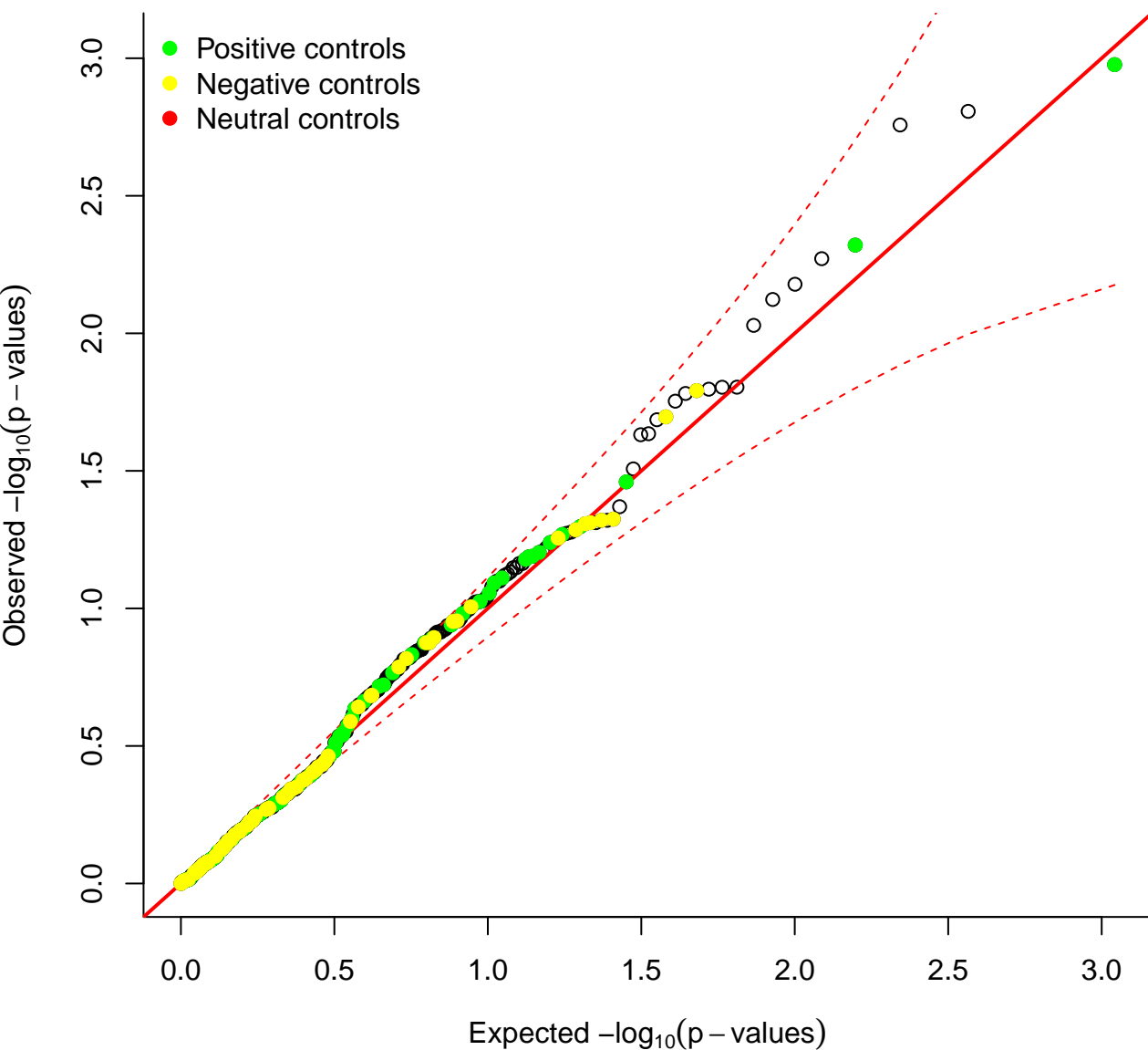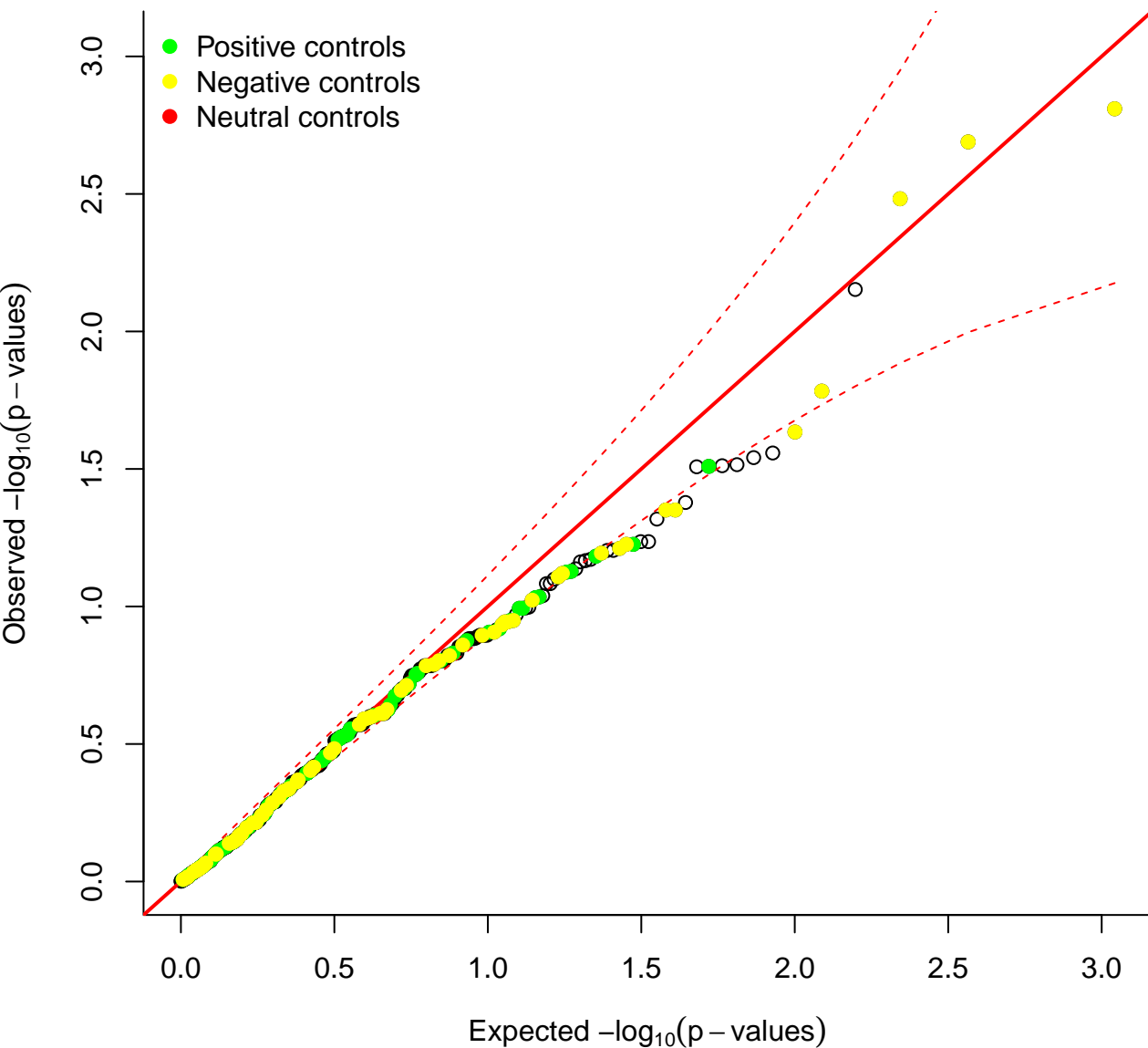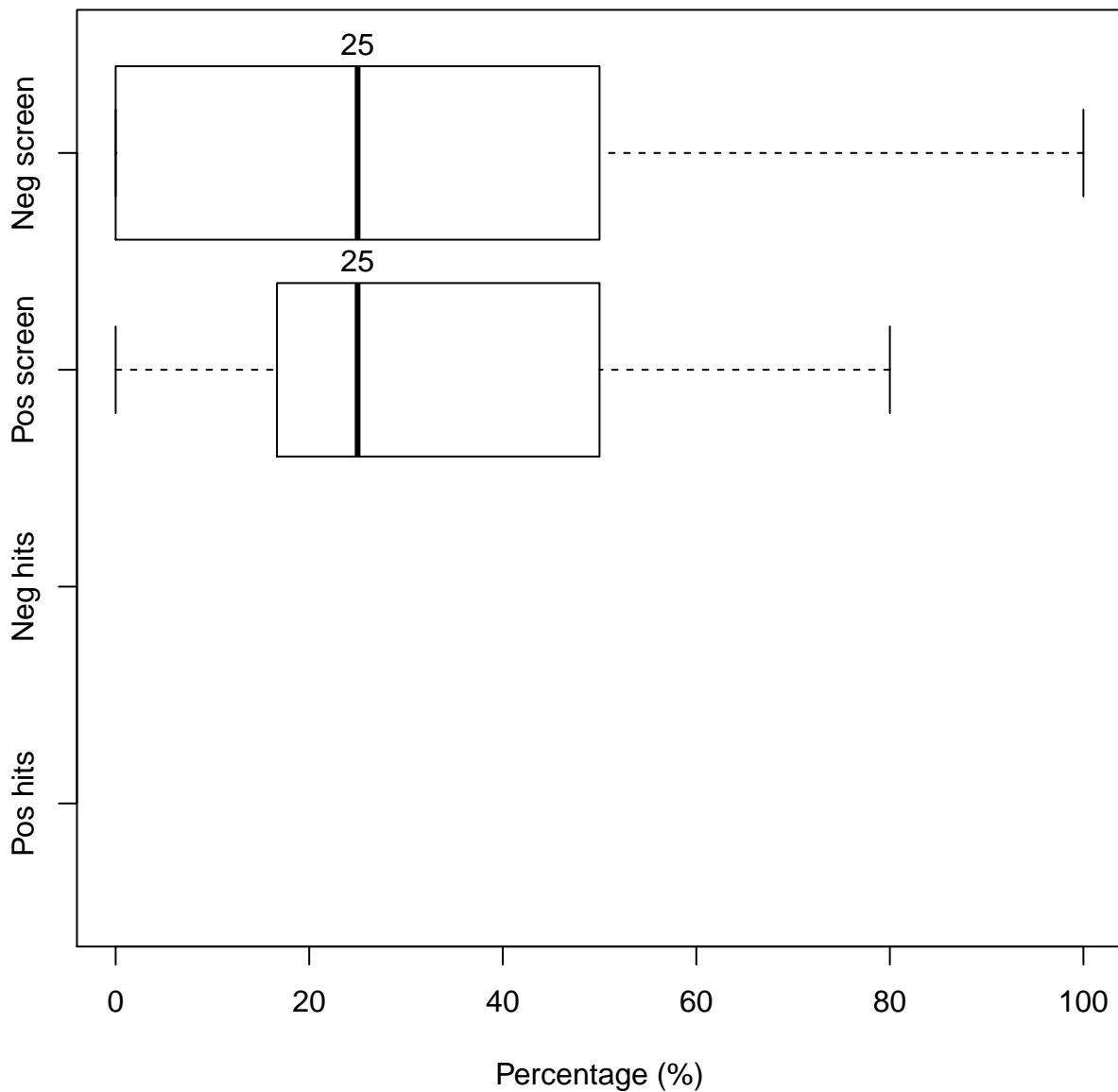
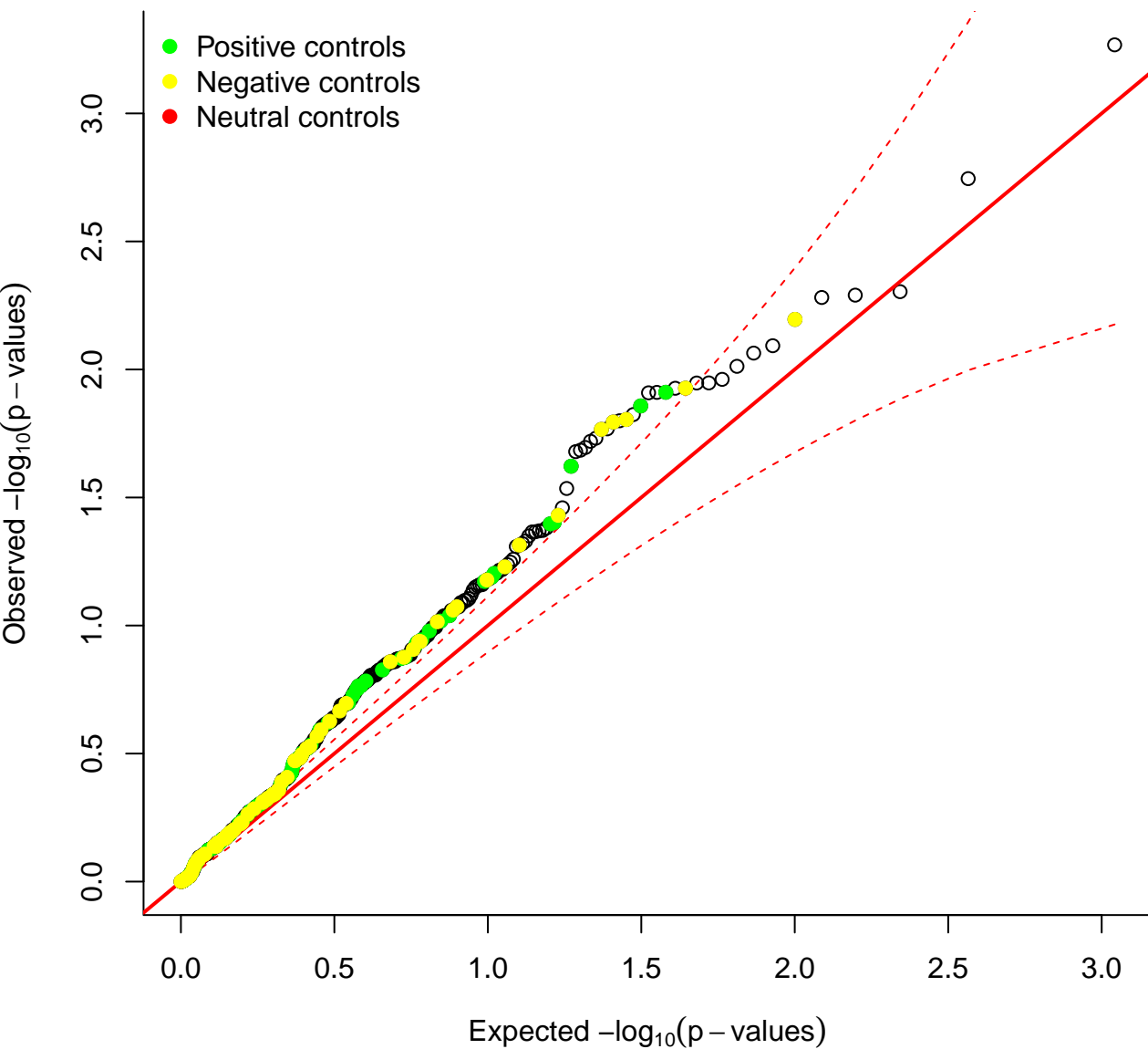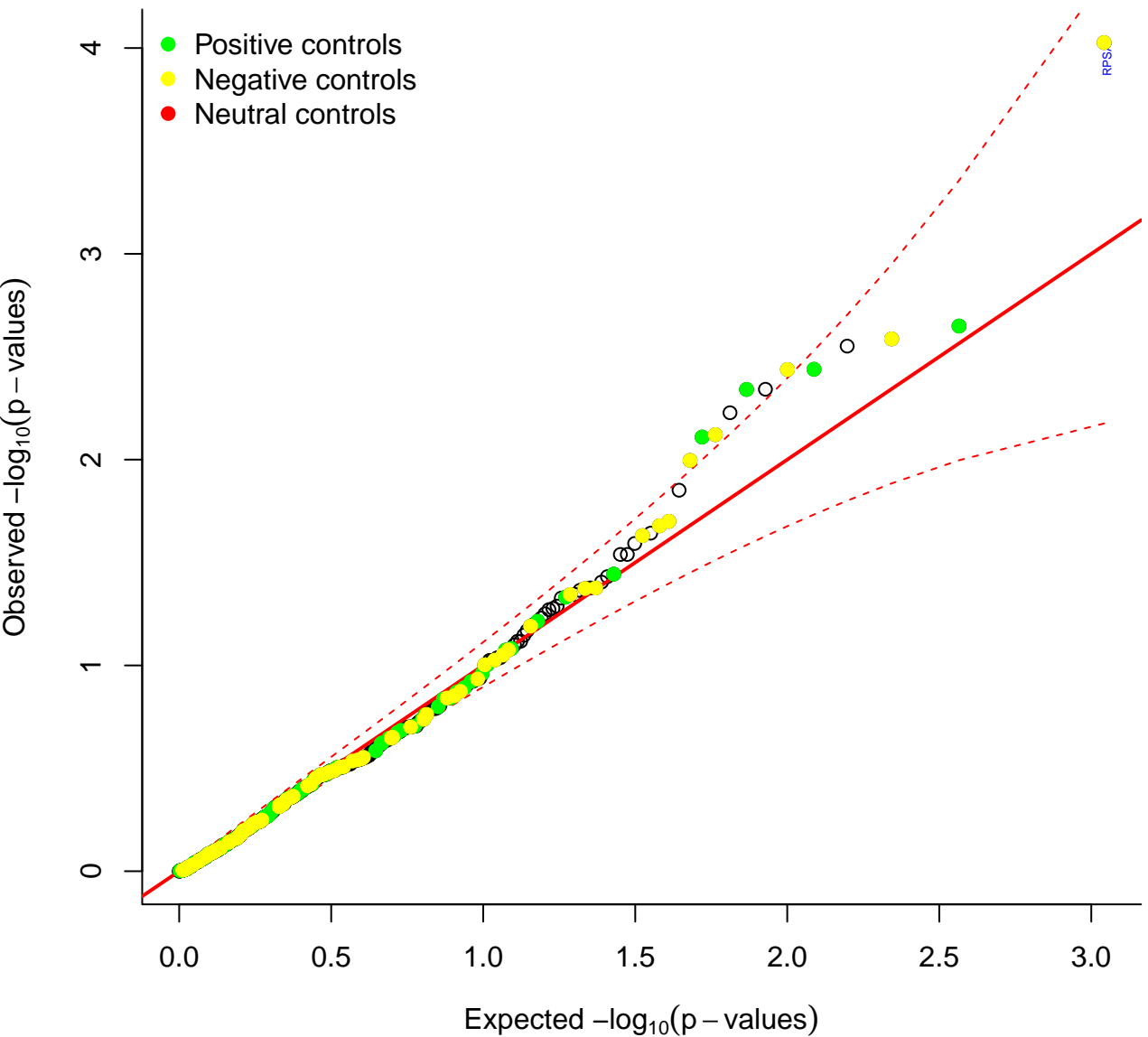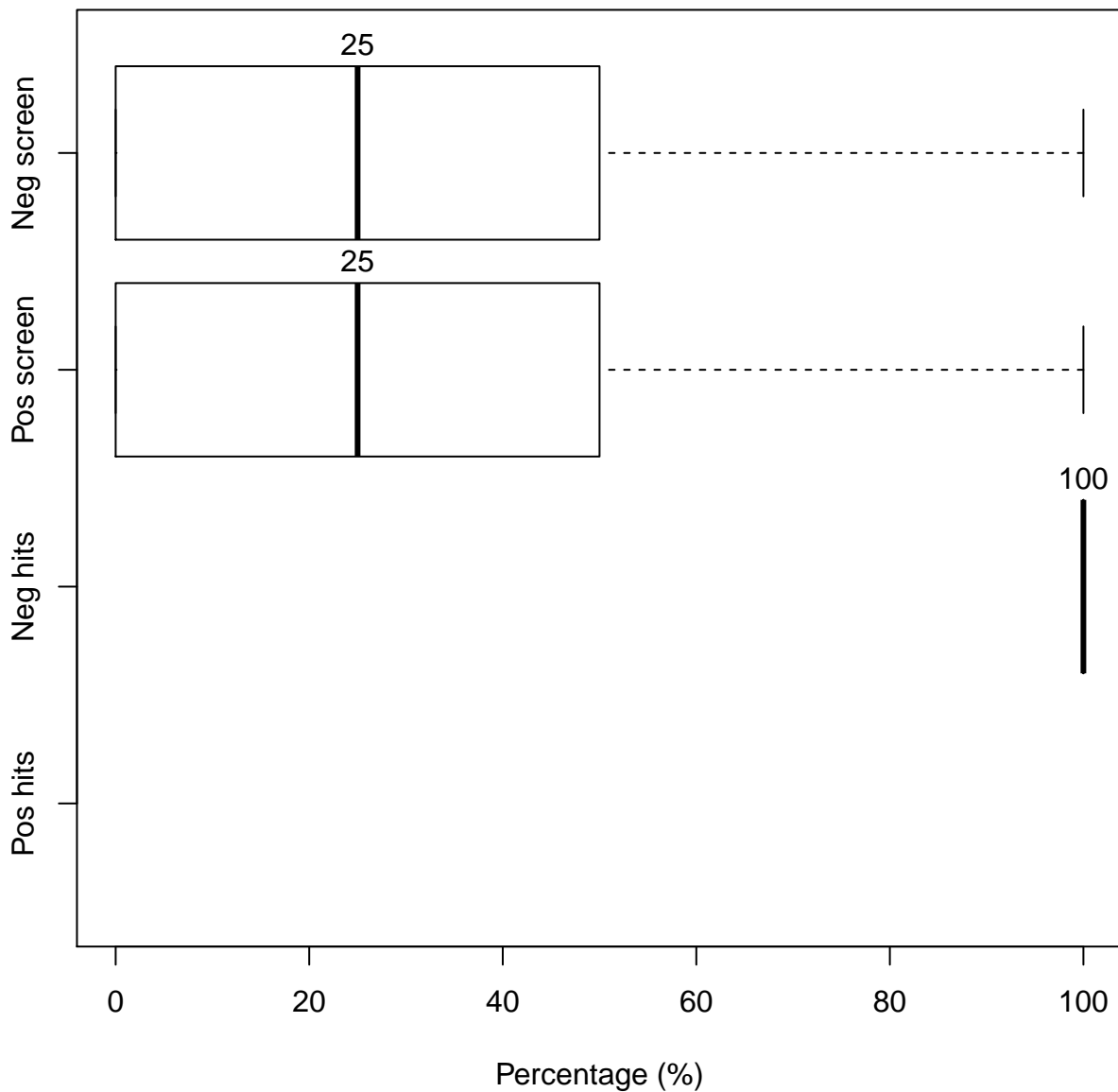**Significant gRNAs per gene, test 1**

QQ-plot of p-values, positive selection, test 2

QQ-plot of p-values, negative selection, test 2

Significant gRNAs per gene, test 2
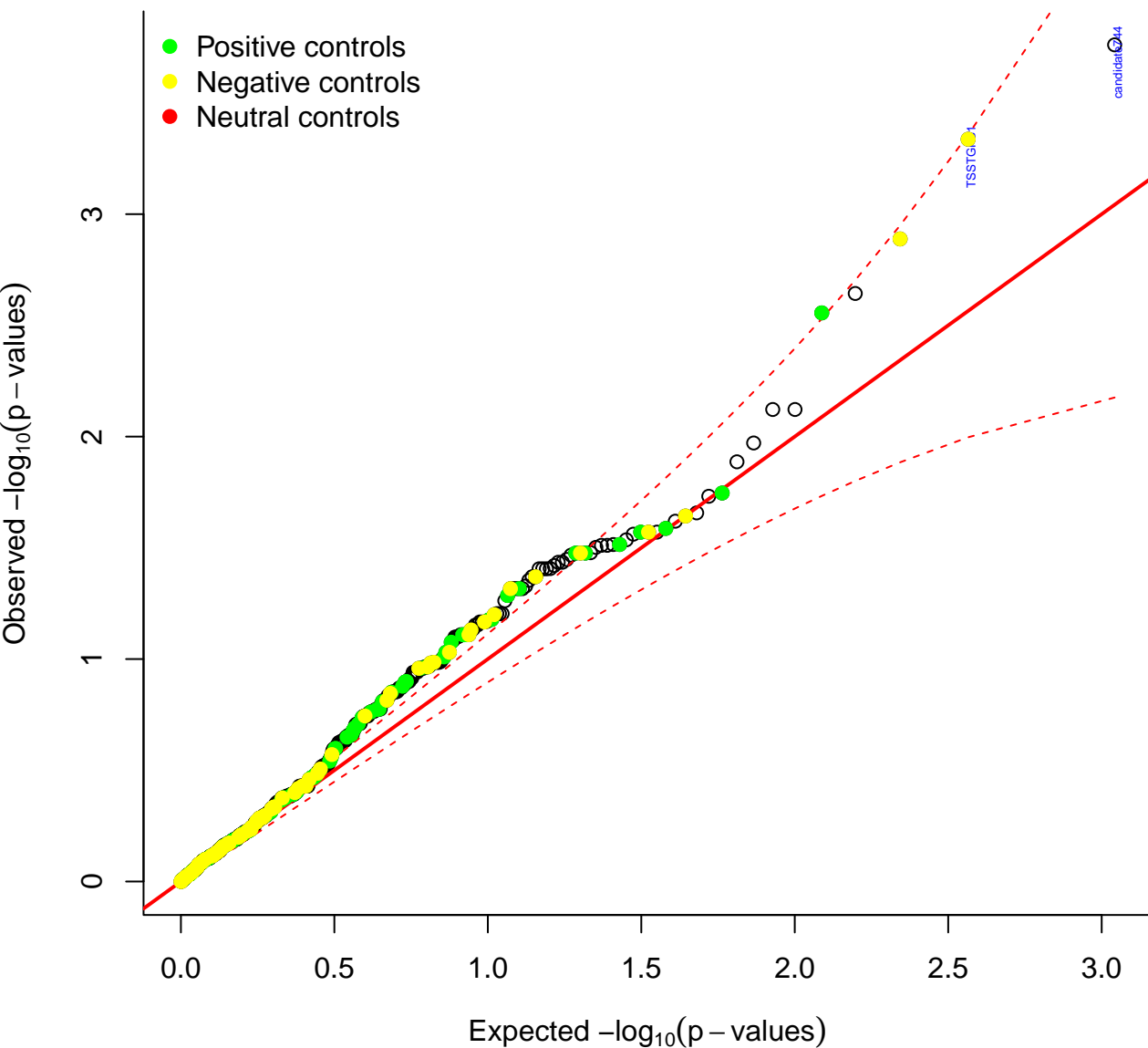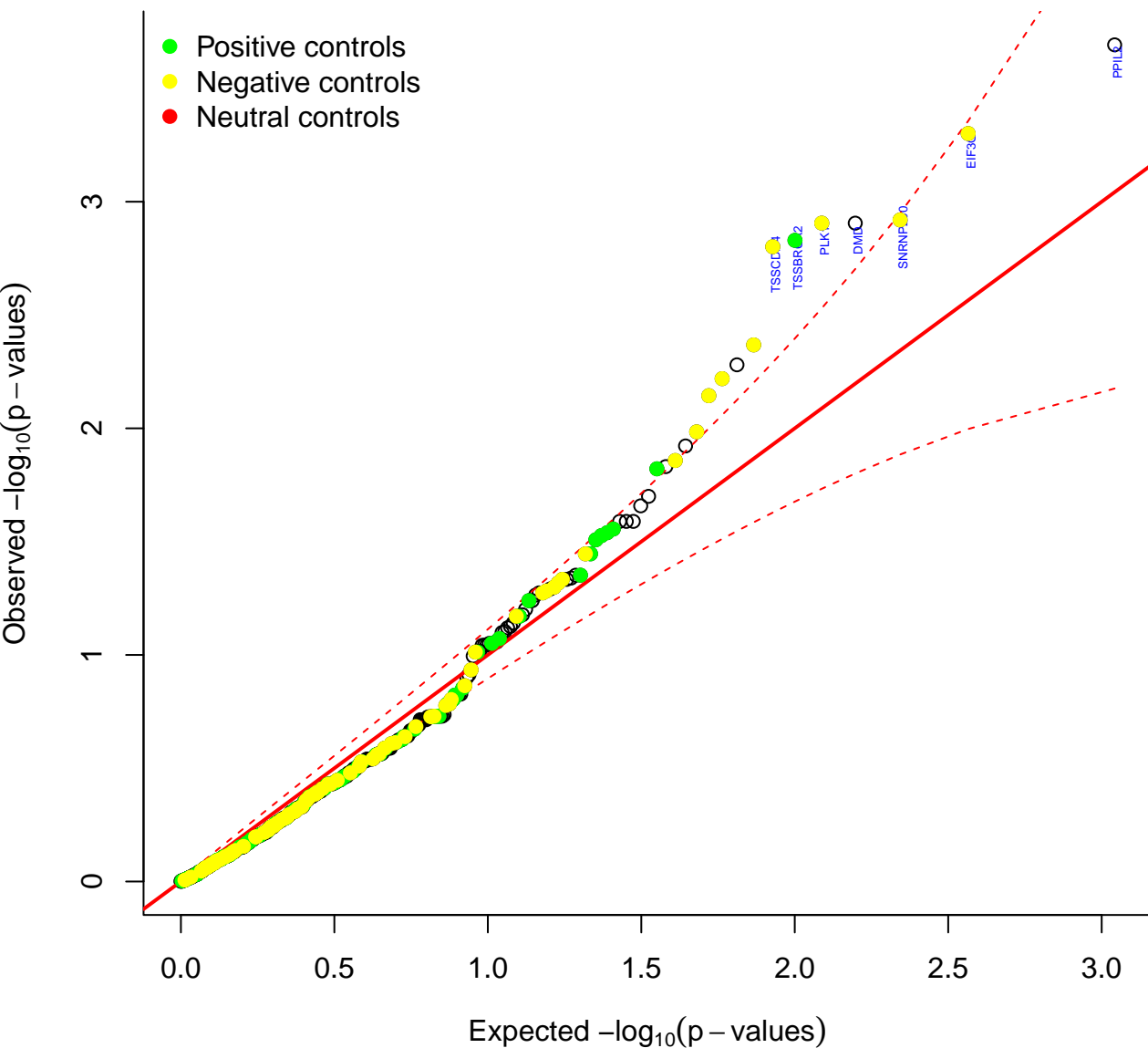
QQ–plot of p–values, positive selection, test 3

- Positive controls
- Negative controls
- Neutral controls

Observed −log$_{10}$(p − values)

Expected −log$_{10}$(p − values)

candidate44

TSSTGL1

QQ−plot of p−values, negative selection, test 3

Positive controls
Negative controls
Neutral controls

Observed −log$_{10}$(p − values)

Expected −log$_{10}$(p − values)

PPIL
EIF3
TSSCD4
TSSBR2
PLK
DMI
SNRNP 0.

Significant gRNAs per gene, test 3