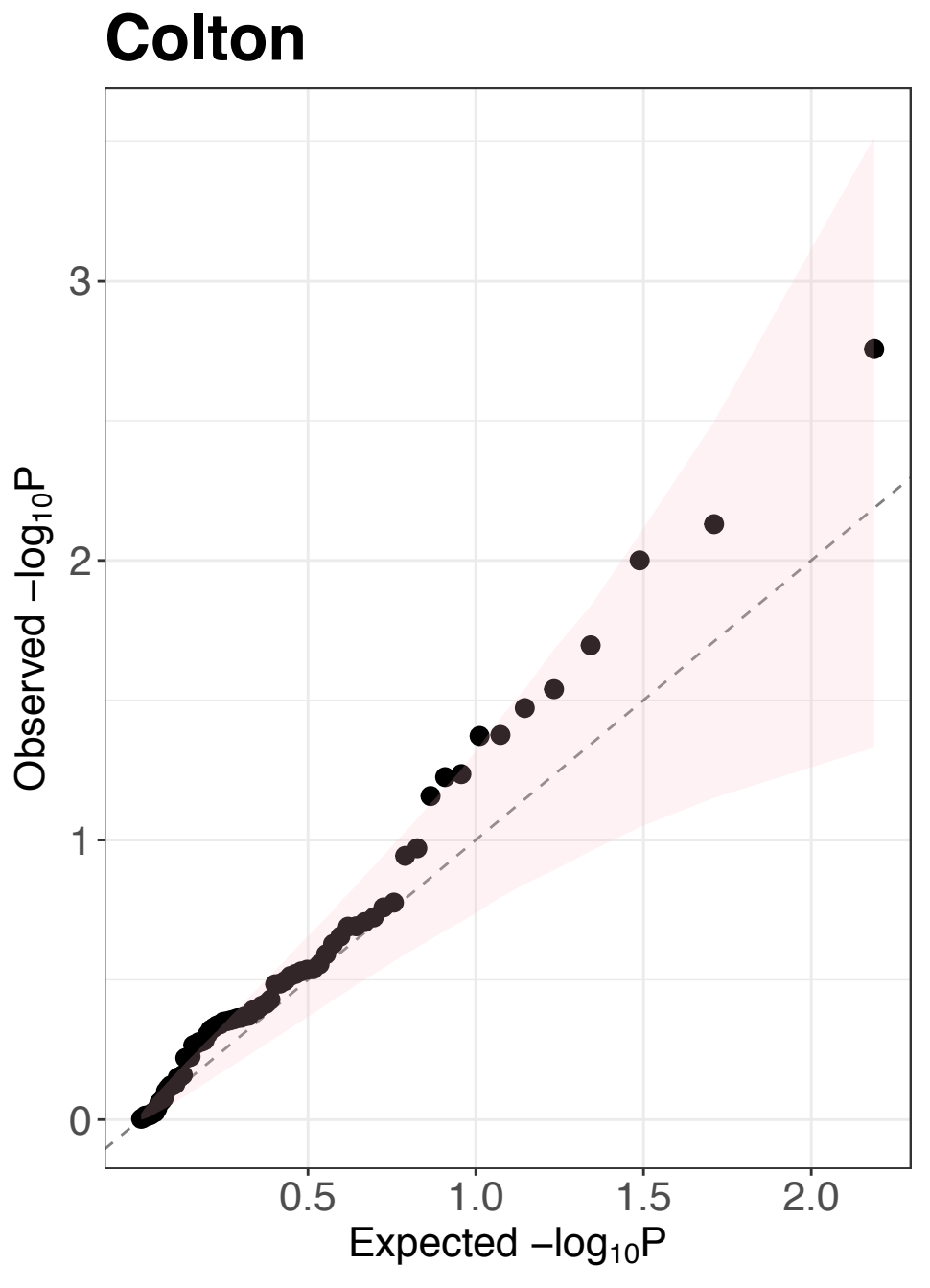
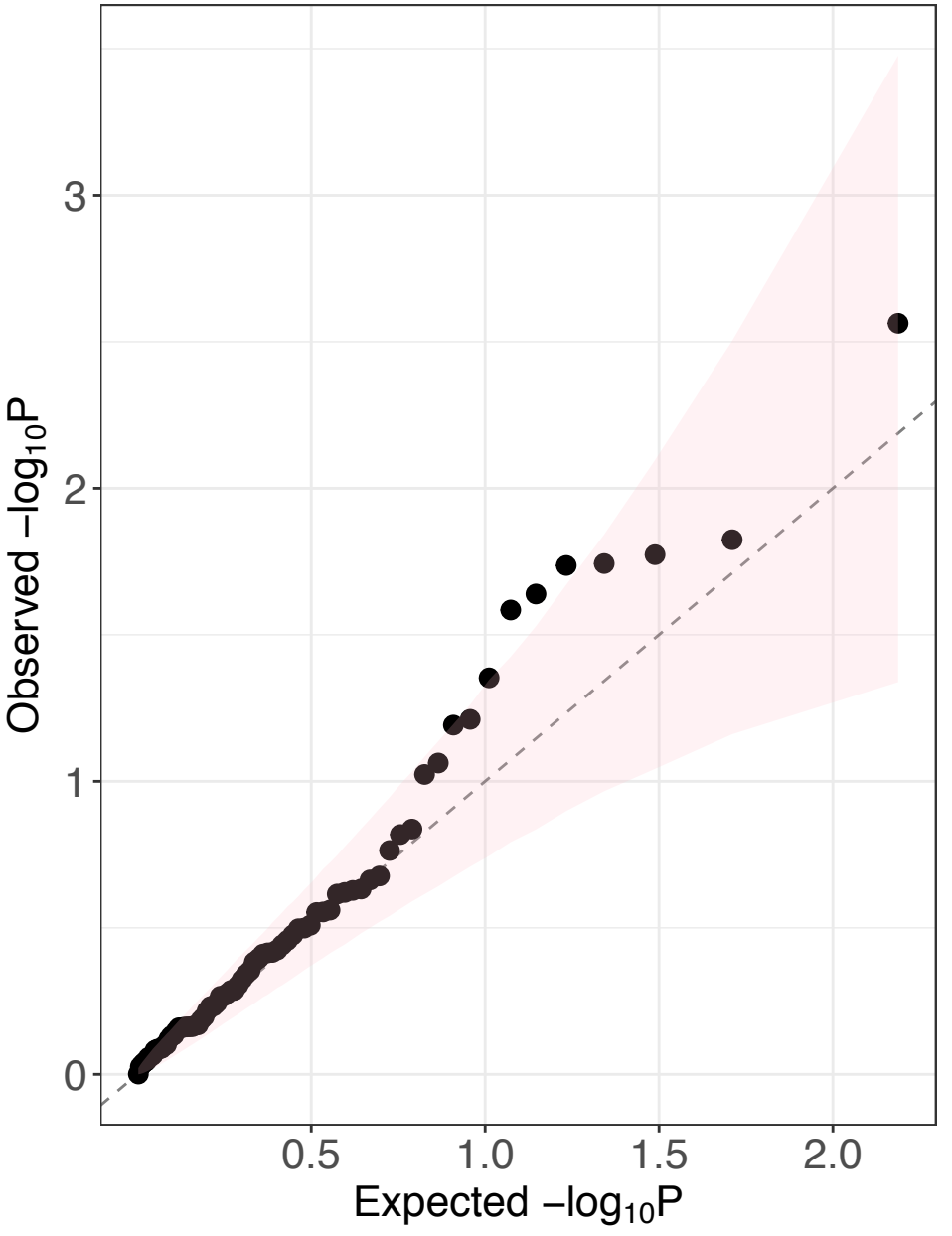
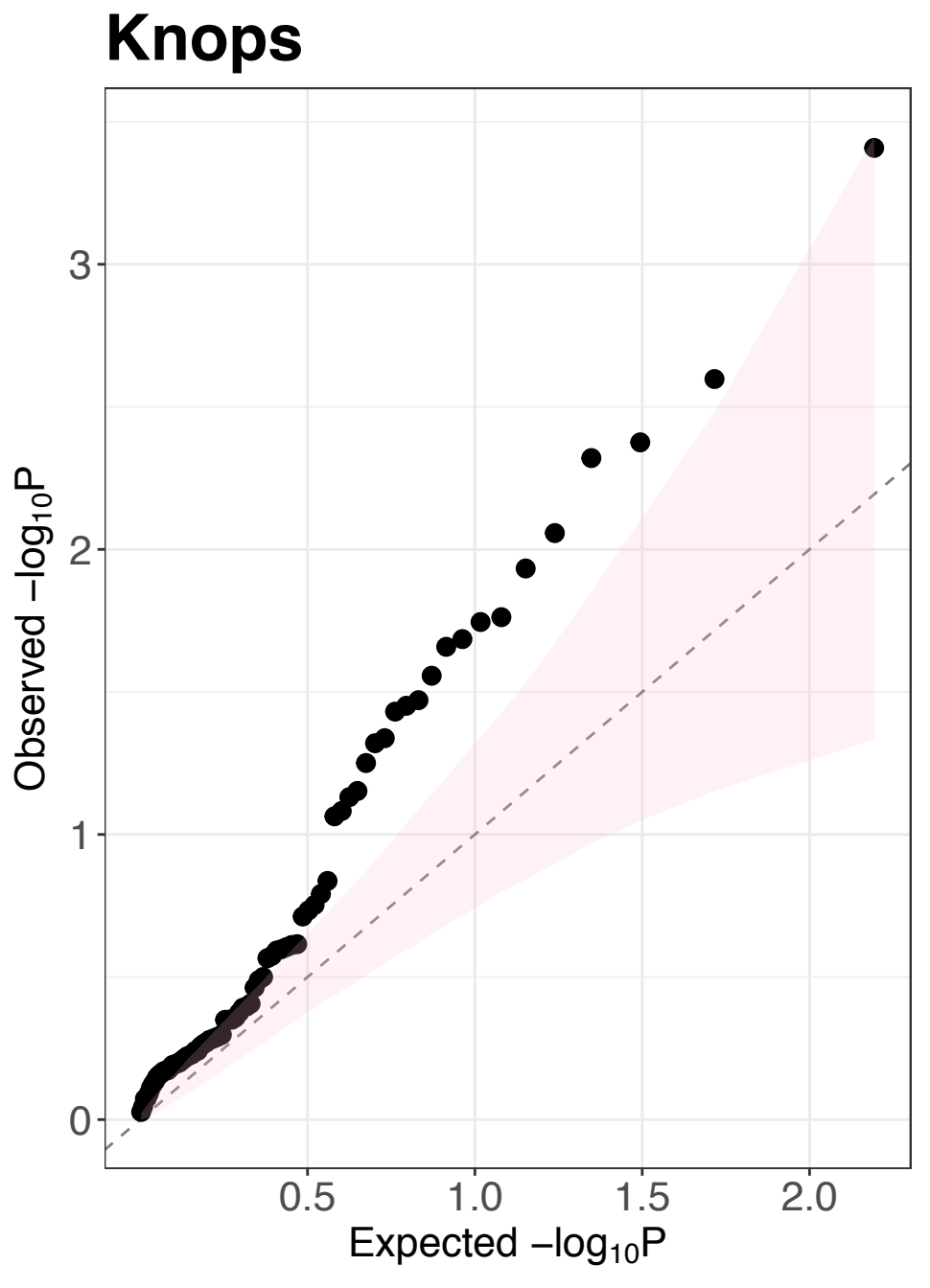
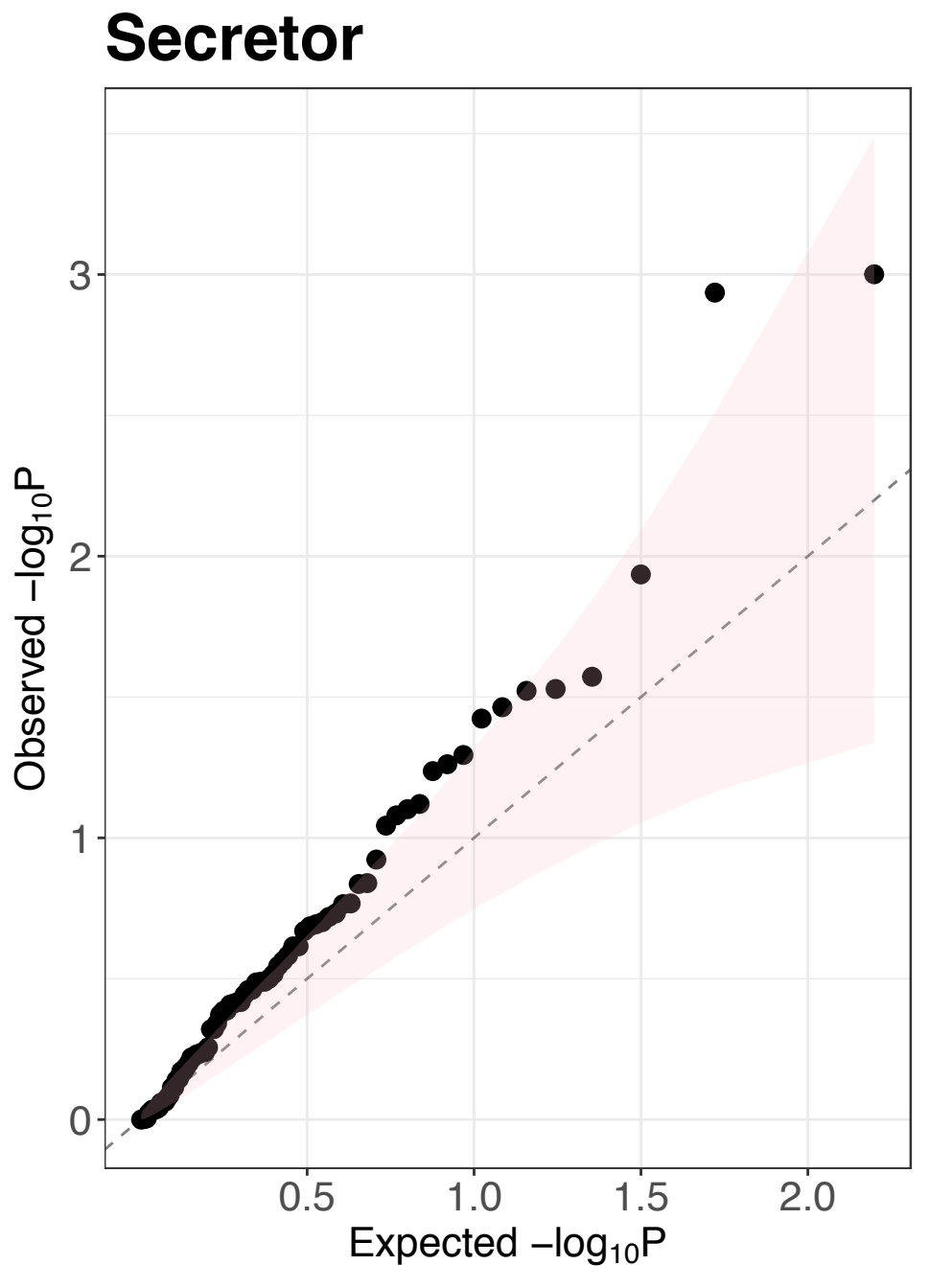
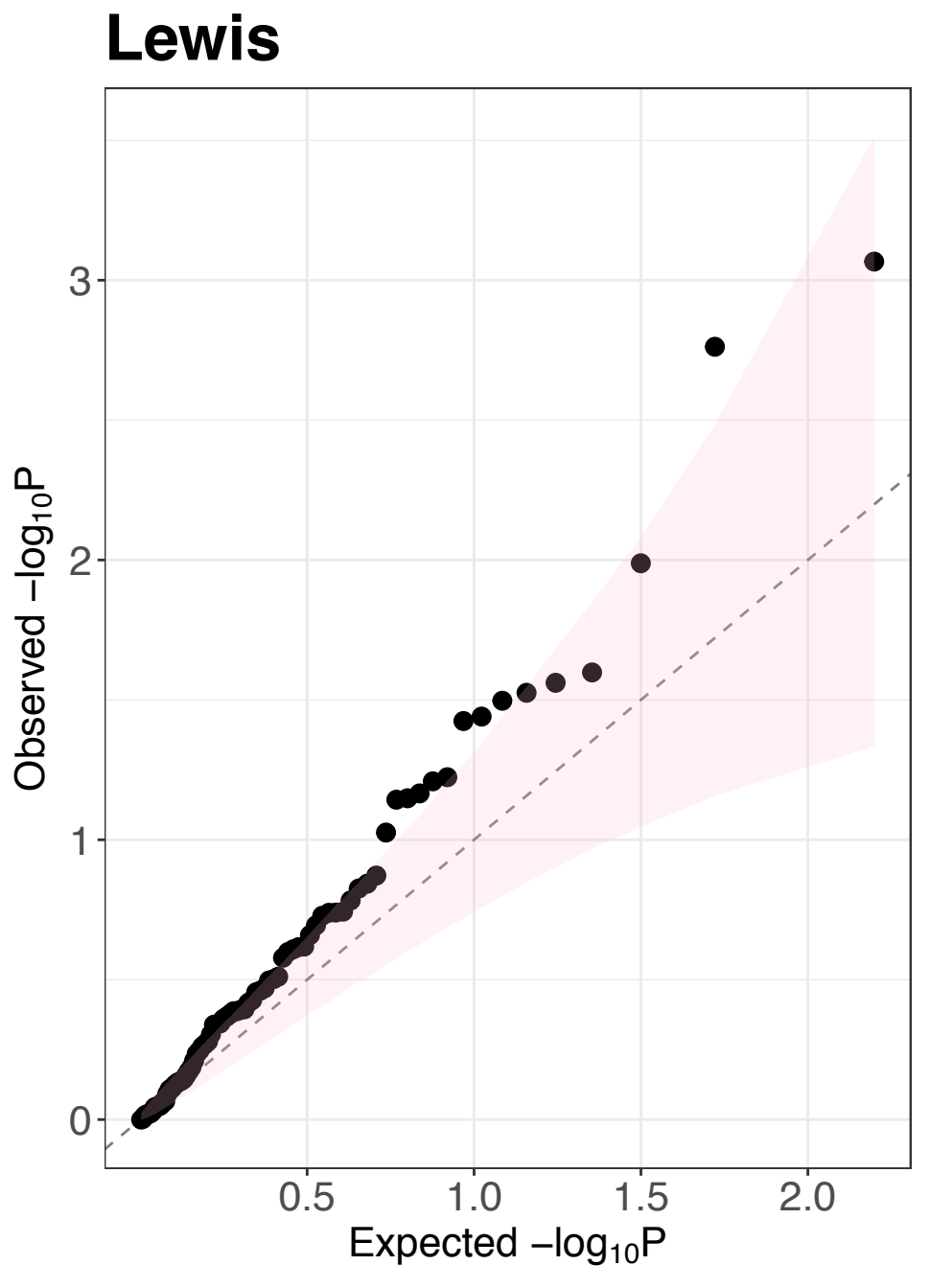

Colton
Observed −log10P
Expected −log10P
0
1
2
3
0.5
1.0
1.5
2.0

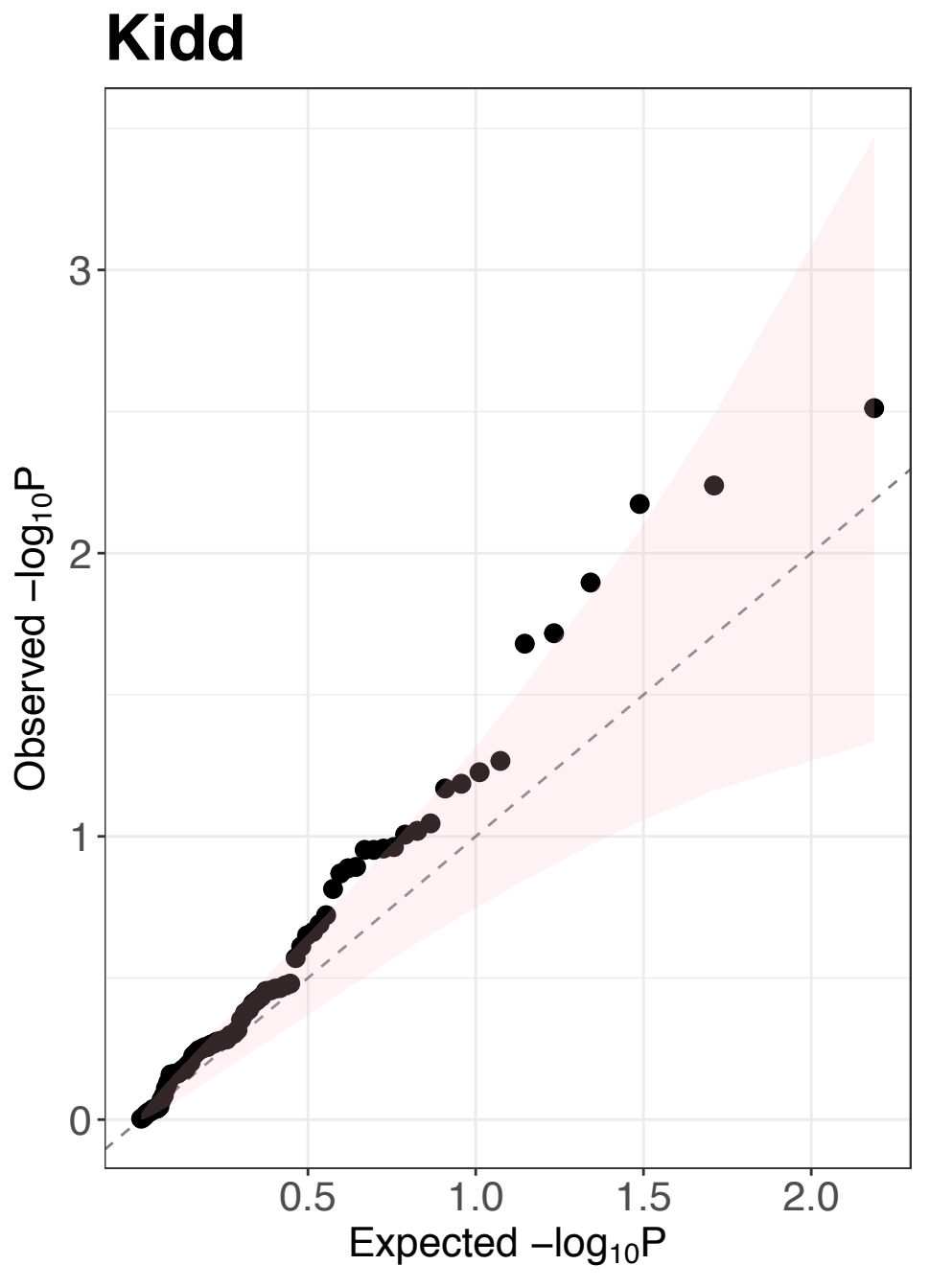
Kell




Knops
Observed −log10P
Expected −log10P
0
1
2
3
0.5
1.0
1.5
2.0


Secretor
Observed −log10P
Expected −log10P
0
1
2
3
0.5
1.0
1.5
2.0


Lewis
Observed −log10P
Expected −log10P
0
1
2
3
0.5
1.0
1.5
2.0


Kidd
Observed −log10P
Expected −log10P
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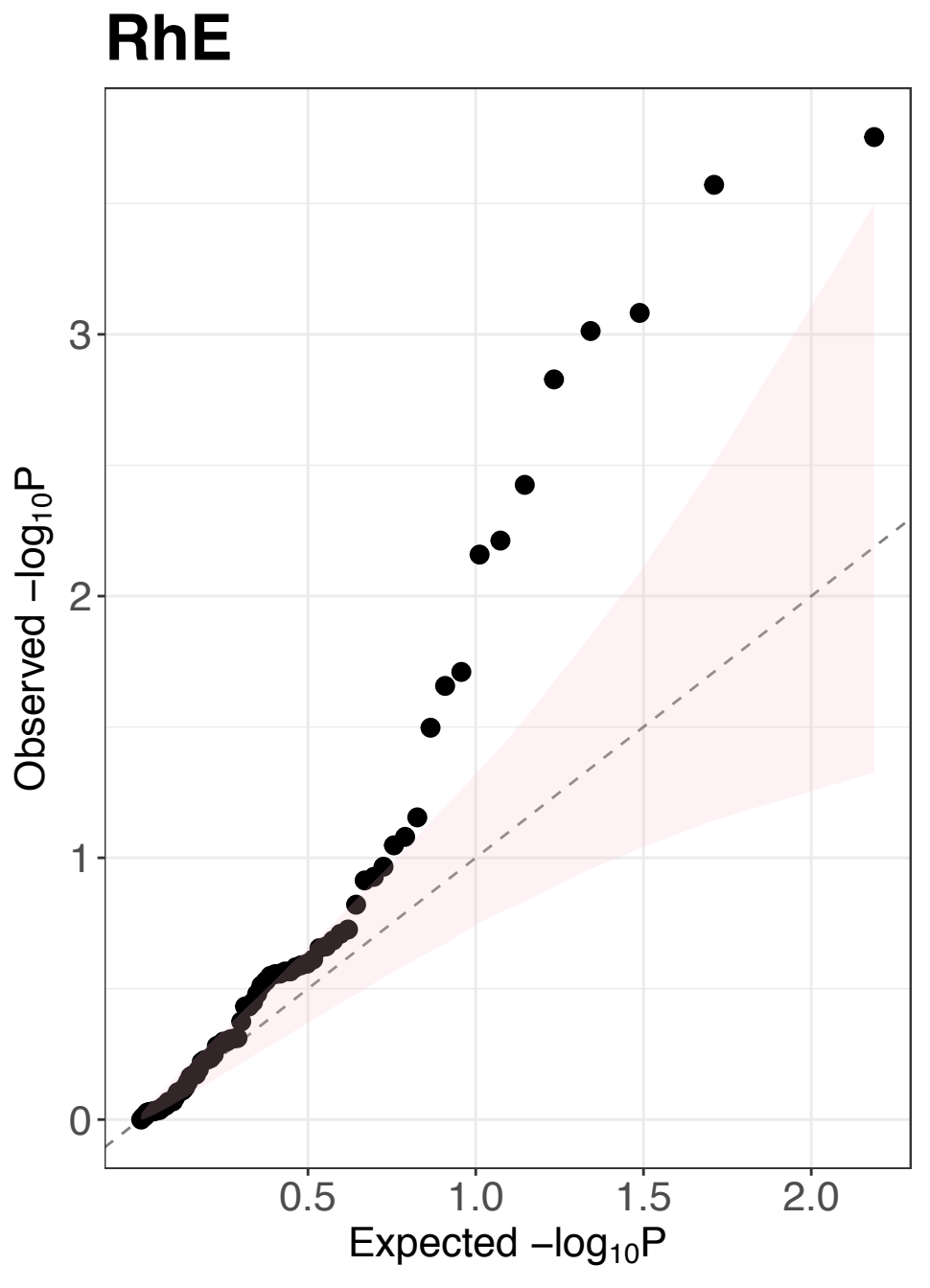
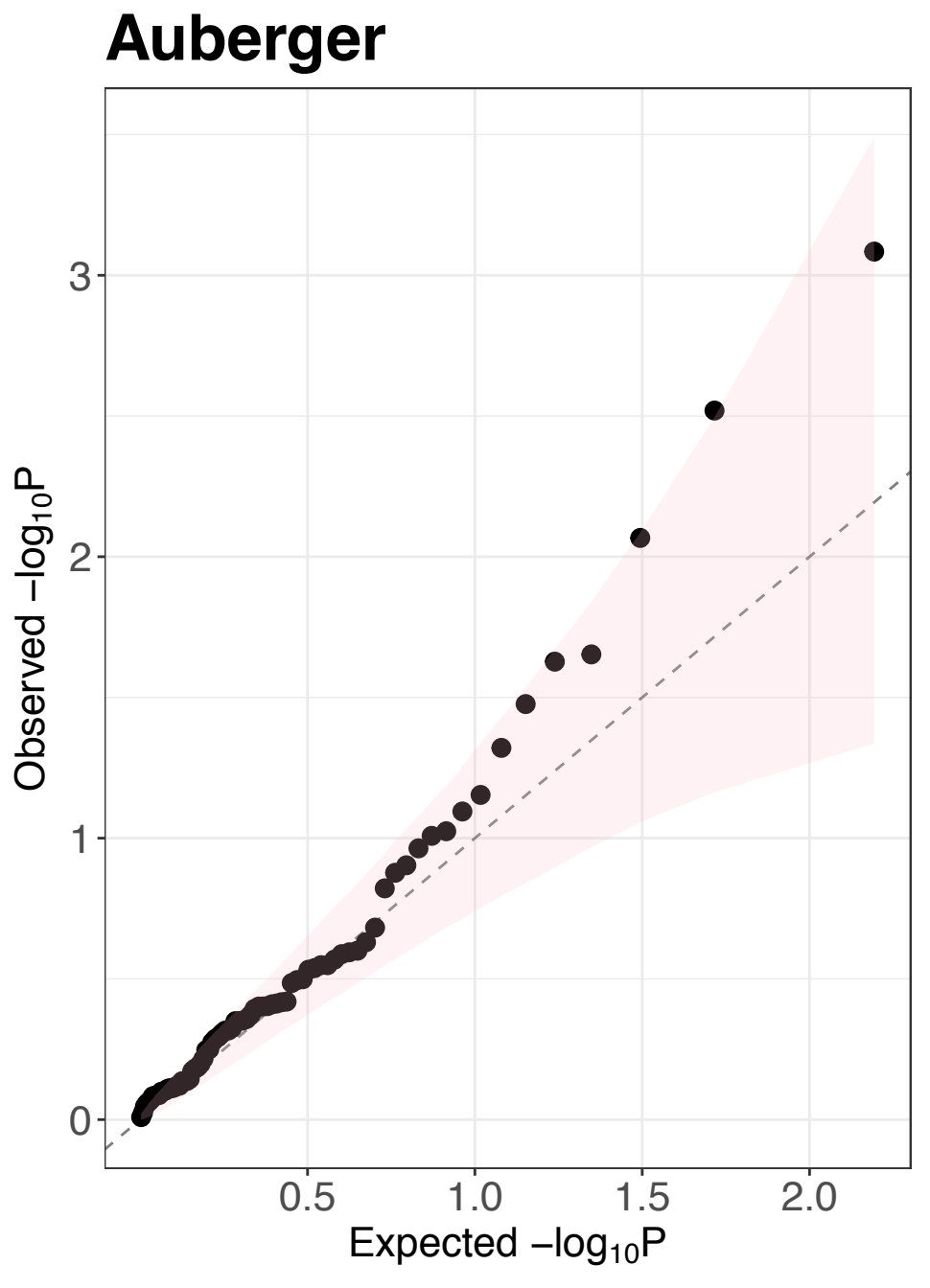
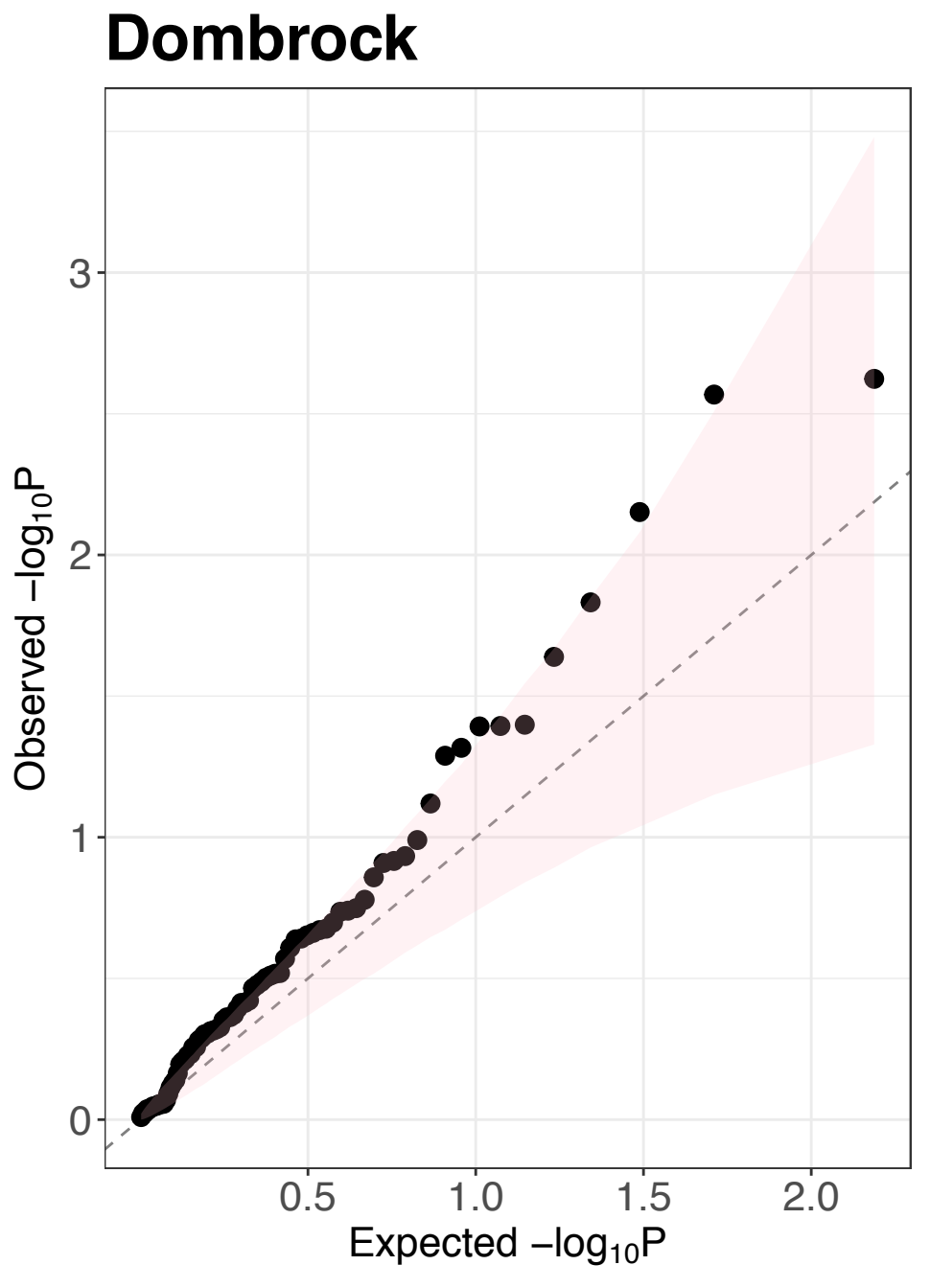
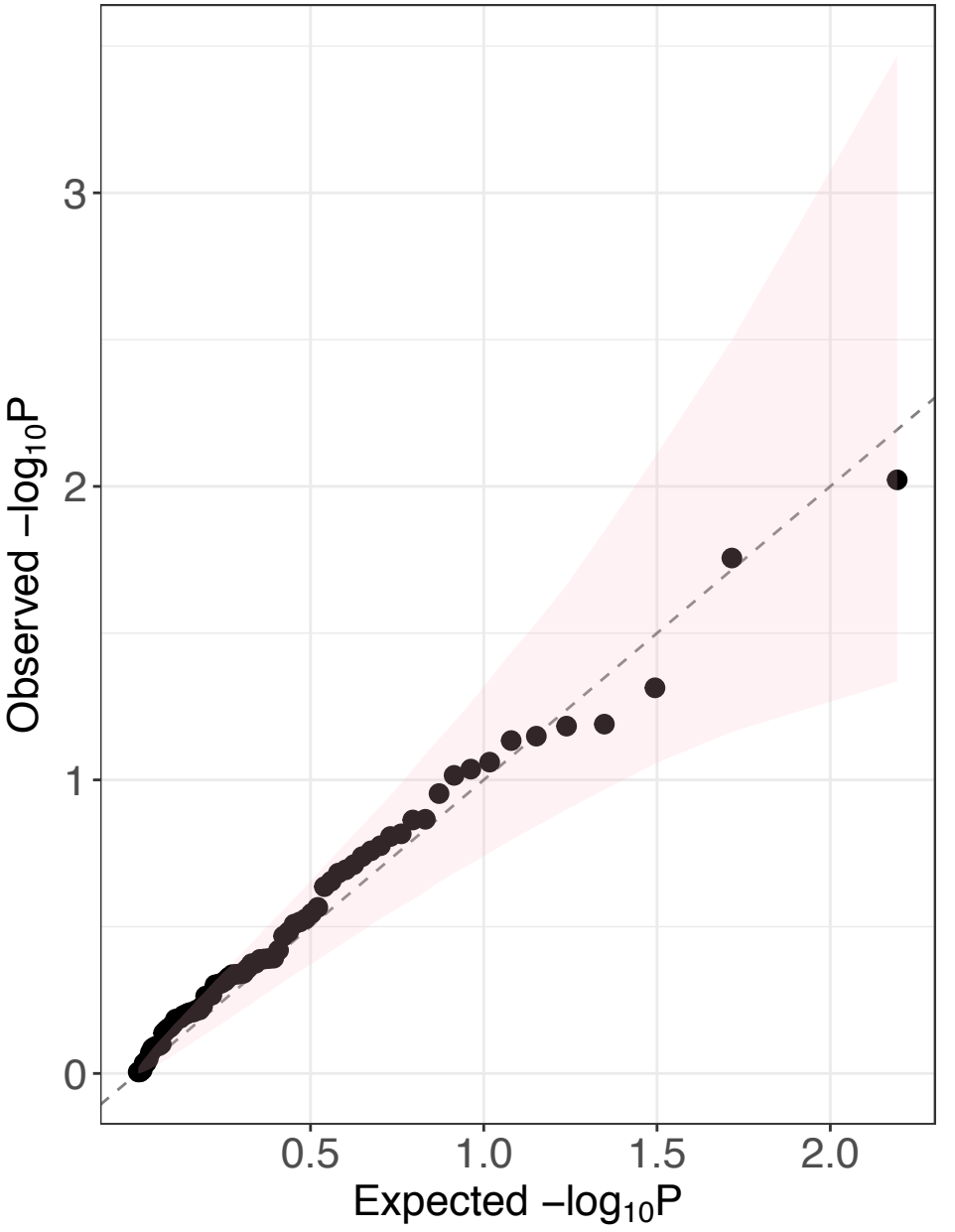
1
2
3
0.5
1.0
1.5
2.0


RhE
Observed −log10P
Expected −log10P
0
1
2
3
0.5
1.0
1.5
2.0


Auberger
Observed −log10P
Expected −log10P
0
1
2
3
0.5
1.0
1.5
2.0


Dombrock
Observed −log10P
Expected −log10P
0
1
2
3
0.5
1.0
1.5
2.0

Lutheran



Supplementary Figure 1. Observed versus expected distribution of p-values for associations between circulating inflammatory markers and blood antigen groups. Each dot represents the joint Wald test of a linear or logistic model predicting marker concentration from blood type, adjusting for sex, age (5-year category), smoking status (never/former/current), study, and the first five principal components of population substructure. Shaded bands represent a bootstrapped 95% confidence interval generated from 10,000 replicates, and dotted lines represent predicted empirical distribution.