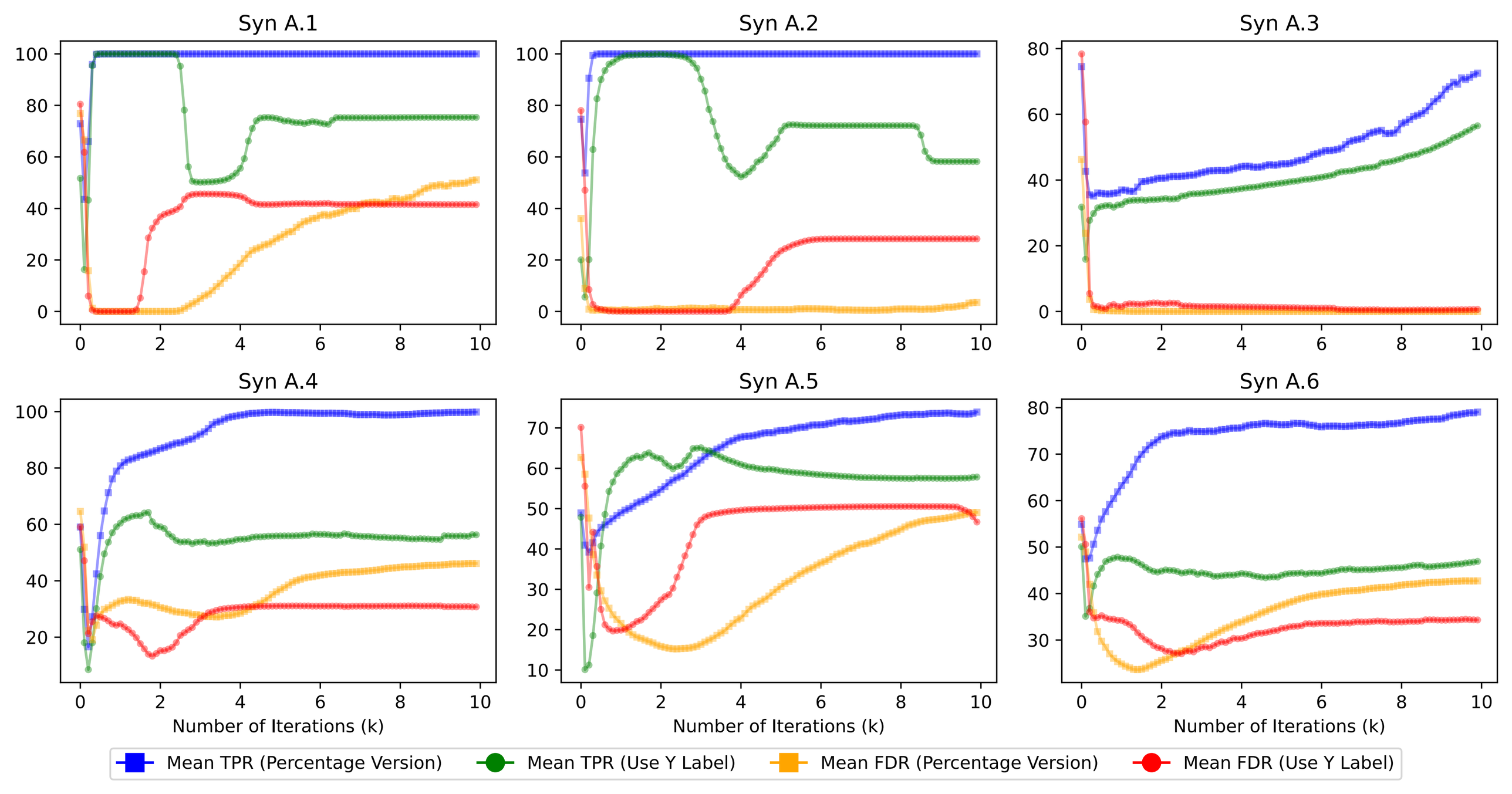

Syn A.1
Syn A.2
Syn A.3
Syn A.4
Syn A.5
Syn A.6
Number of Iterations (k)
Number of Iterations (k)
Number of Iterations (k)
Mean TPR (Percentage Version)
Mean TPR (Use Y Label)
Mean FDR (Percentage Version)
Mean FDR (Use Y Label)

Exploration of Potential Improvements to INVASE

Analysis of Incorporating Response Variables + Percentage version

✦ Worse in TPR for all datasets

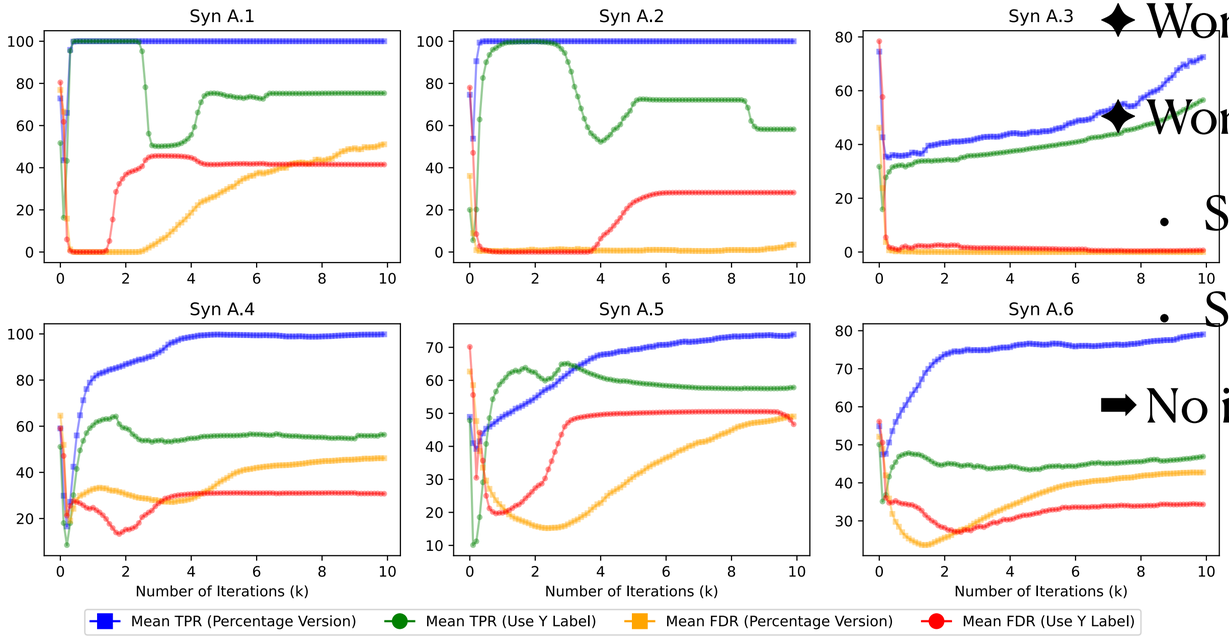
✦ Worse in FDR

- Syn A.1, A.1: Narrower optimal range
- Syn A.5: Overall higher

➡ No improvements

Exploration of Potential Improvements to INVASE

Analysis of Incorporating Response Variables + Percentage version



✦ Worse in TPR for all datasets

✦ Worse in FDR

- Syn A.1, A.1: Narrower optimal range
- Syn A.5: Overall higher

➡ No improvements

Exploration of Potential Improvements to INVASE

Conclusion

2. How can INVASE be improved?

    A. If the performance of INVASE is sensitive to the choice of the hyper-parameter λ, how can this sensitivity be mitigated?