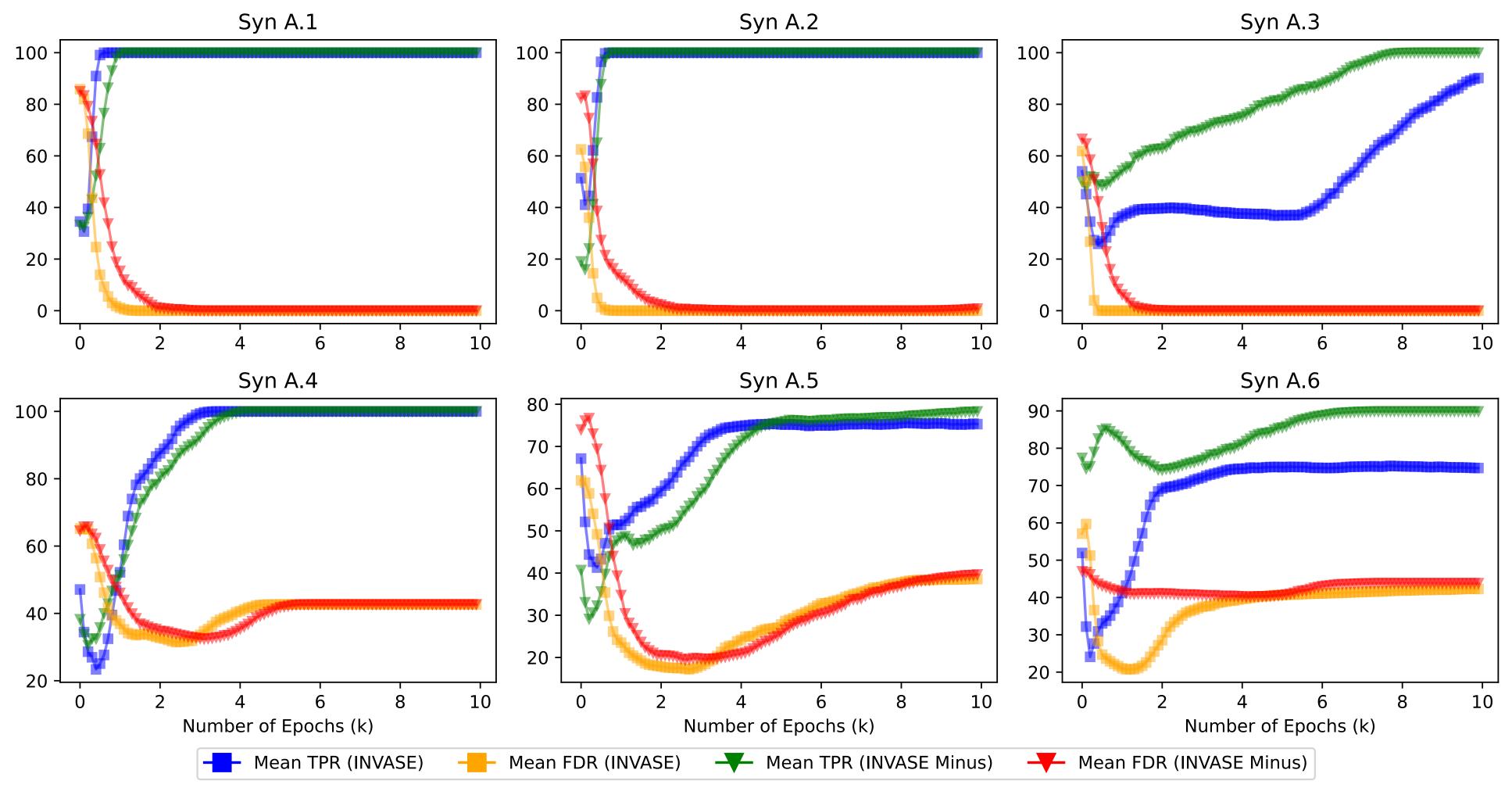
### Analysis of Performance Influencing Factors in INVASE

### The Impact of Baseline Model



Individual Settings:  $\lambda = 0.1$ , Activation: ReLU.



- Syn A.1, A.2, A.4: Roughly same

  Syn A.5: Very close
- Beginning: INVASE slighlty better
   Longer training: INVASE Minus slightly
- better

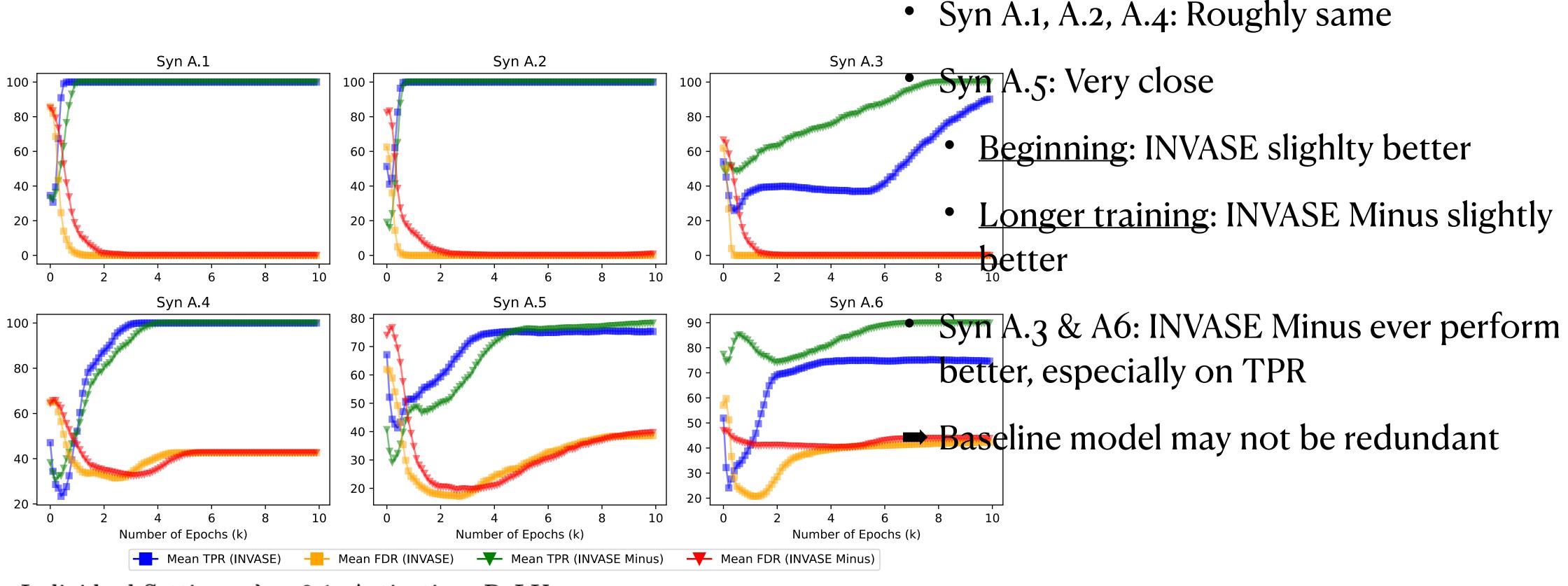
  Syn A.3 & A6: INVASE Minus ever perform

→ Baseline model may not be redundant

better, especially on TPR

## Analysis of Performance Influencing Factors in INVASE

### The Impact of Baseline Model NVASE vs INVASE Minus



Individual Settings:  $\lambda = 0.1$ , Activation: ReLU.

# Analysis of Performance Influencing Factors in INVASE

#### Conclusion

- 1. Within the framework of INVASE, how do the following factors influence the explainer's ability to identify relevant features while discarding irrelevant ones?
  - C. How sensitive is the explainer's performance to the choice of hyperparameter  $\lambda$ ?