





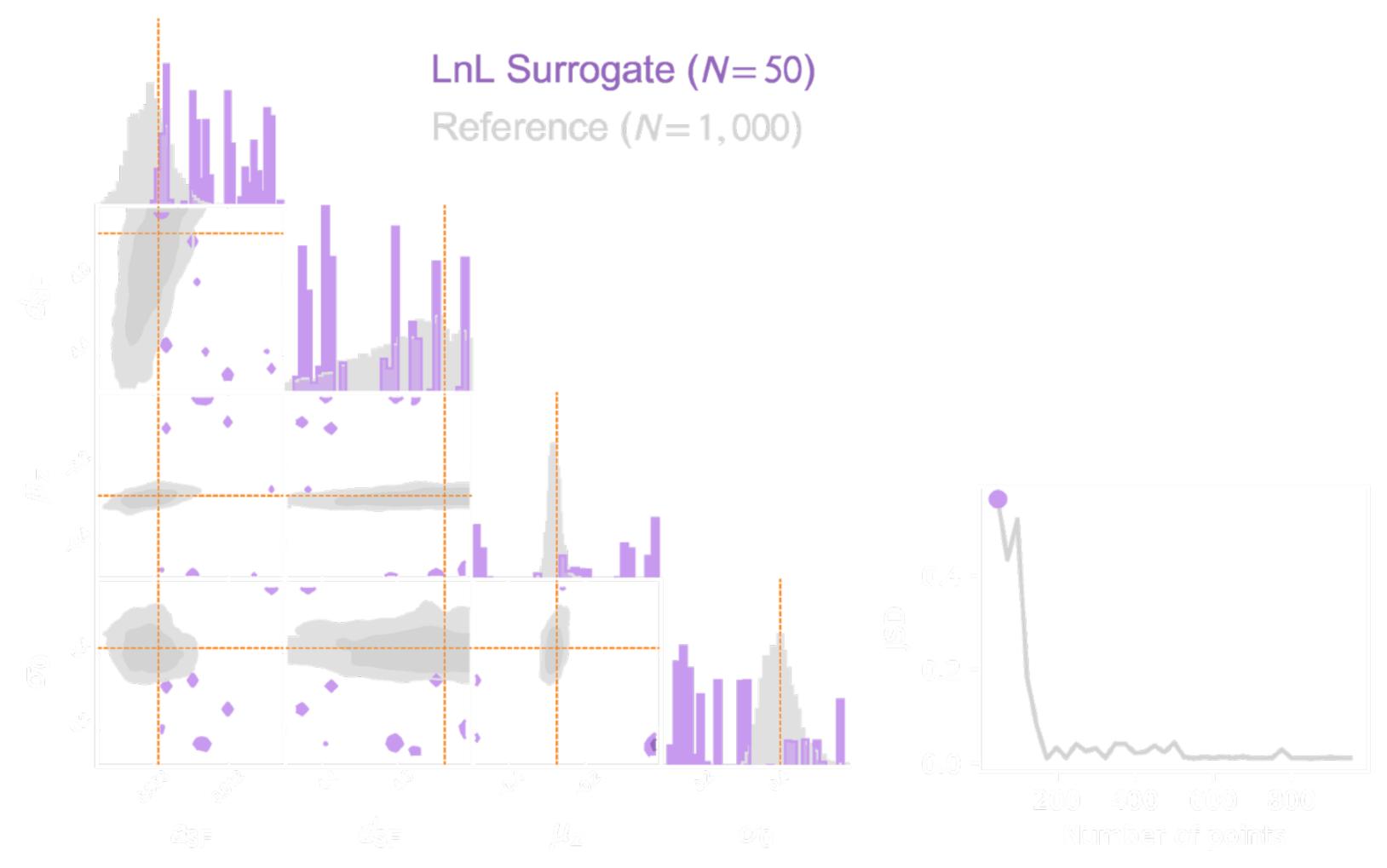


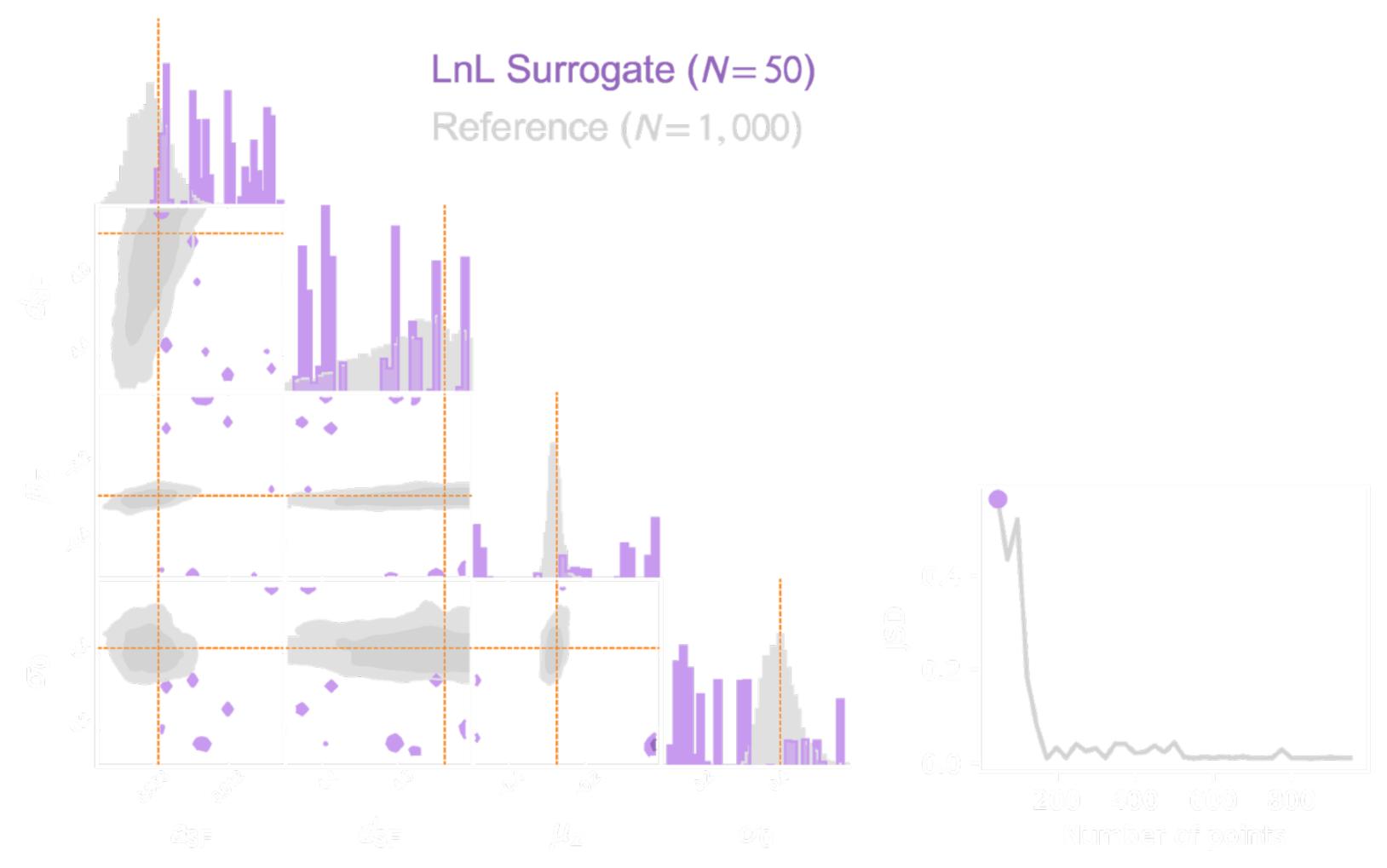
- Forward population modelling challenging
- GP surrogate for LnL can help
- GP surrogate can use fewer training points to obtain similar posteriors
- Some Drawbacks:
  - Need to retrain for new data
  - Tuning parameters?

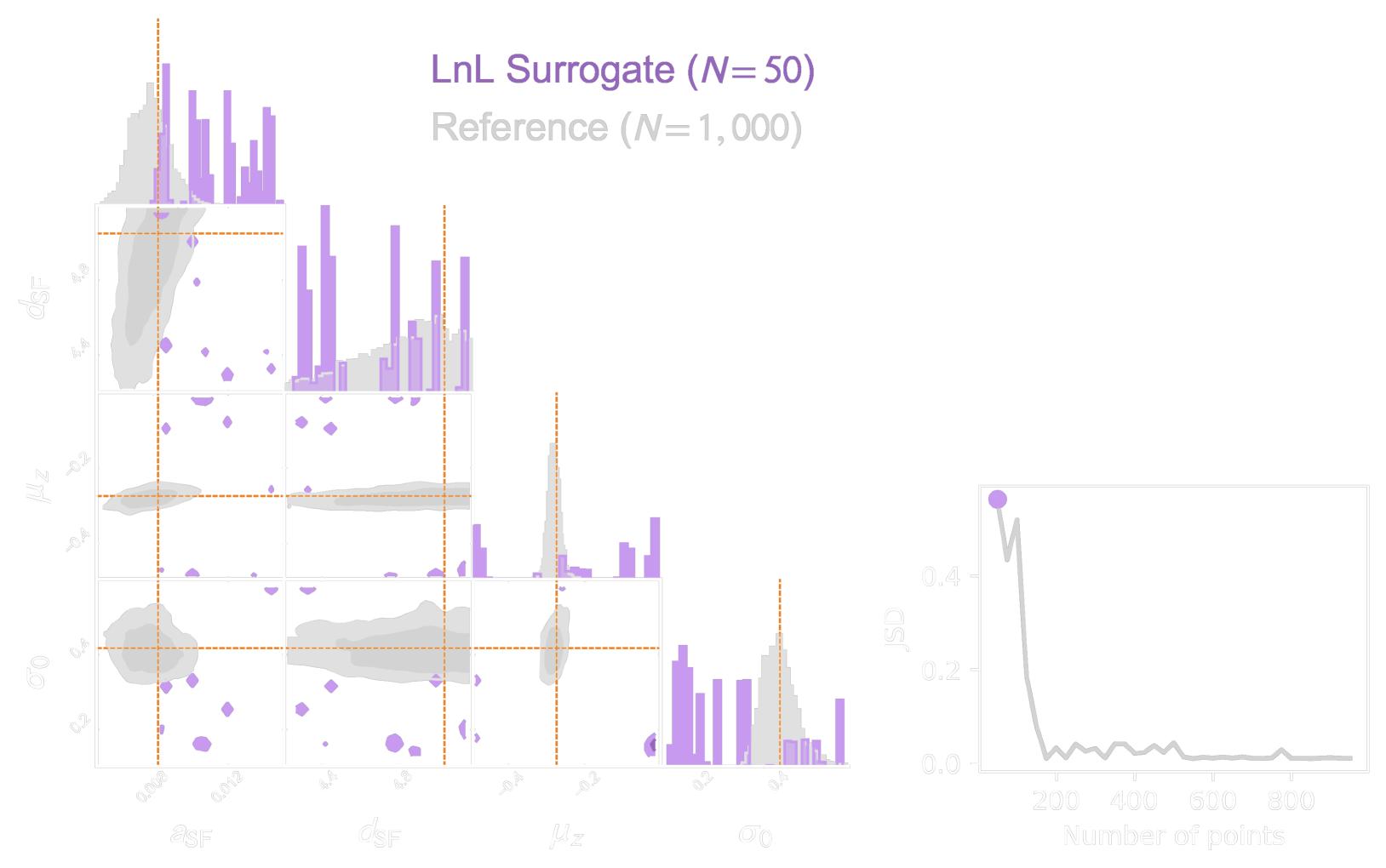


- Build a better acquisition function
  Increase \(\Lambda\)
- Determine COMPAS population sizes needed for different △







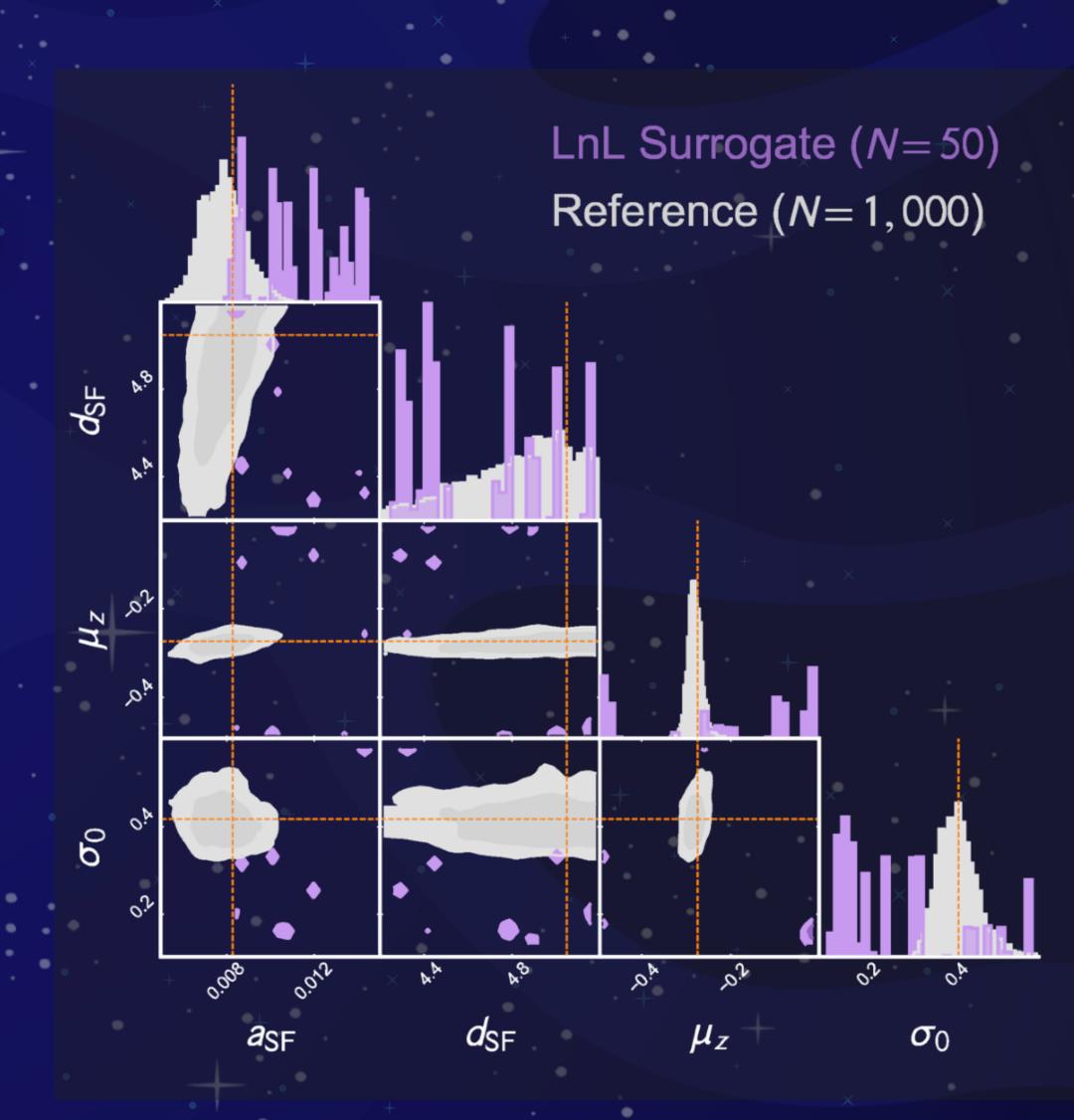


## Summary

- Forward population modelling challenging
- GP surrogate for LnL can help
- GP surrogate can use fewer training points to obtain similar posteriors
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  - Need to retrain for new data
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## Future Work

- Build a better acquisition function
- ullet Increase  $\Lambda$
- Determine COMPAS population sizes needed for different  $\Lambda$



## EXTRA

## BLOTS