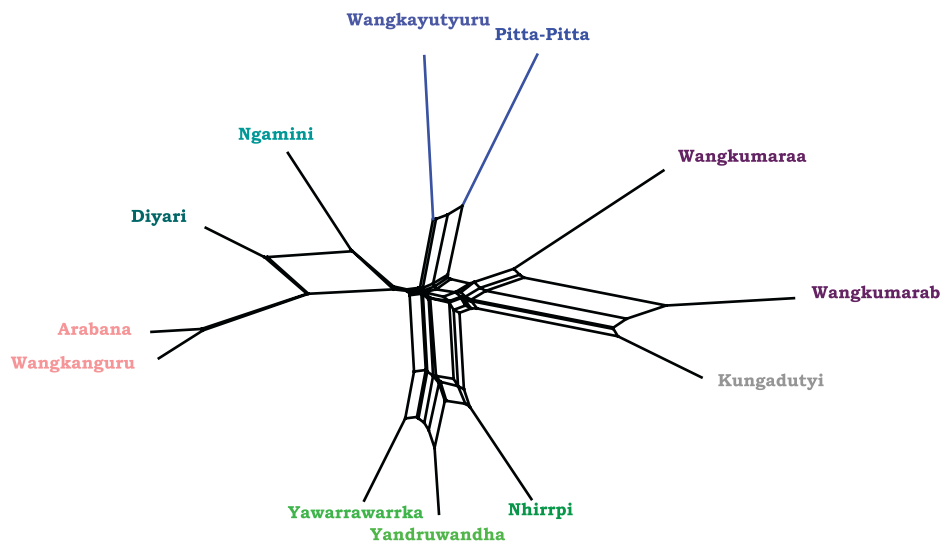
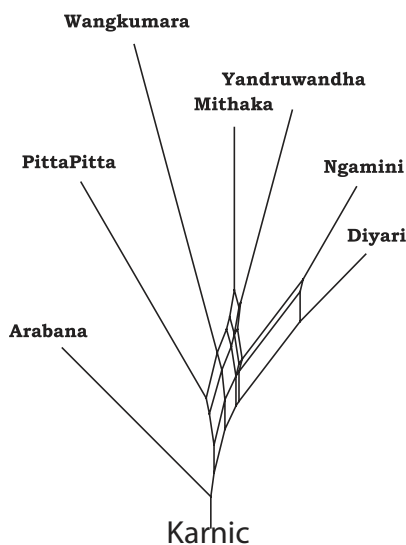


- Example 1: 263 data points from 12 languages, modelled using a NeighborNet function in SplitsTree (Huson and Bryant 2006): **not** cleaned for shared archaisms or obvious loans.



- Example 2: Karnic data: 480 lexical and morphological characters, shared archaisms removed, compiled using PAUP (Swofford 2000; full details available in Bown in preparation)



4 Conclusions

- Tools like NeighborNet are useful for recent groups and large data sets (perhaps more so than the large-scale small-set work favoured recently, e.g. by Dunn *et al.* (2005), McMahon and McMahon (2006)).
- Messy trees don't only indicate long-term diffusion.
- The same process that leads to family-like splits given certain population conditions can also lead to messy breakups.

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