n = 1000.4 **-** DMM PAM spectral fast greedy modularity Louvain number of clusters 0.3 -2 3 4 0.2 -ASW 5 6 0.1 7 8 9 0.0 -10 dmm, countMat Spectral, euclidean fg.modular, aitchison -<sup>f</sup>9.modular, euclidean -<sup>pam, euclidean</sup> -Spectral, bray fg.modular, ckld fg.modular, bray -Pam, aitchison pam, ckld pam, bray -Spectral, aitchison Spectral, ckld louvain, aitchison louvain, euclidean louvain, ckld louvain, bray -