LogNormMix via $\mathrm{NLL}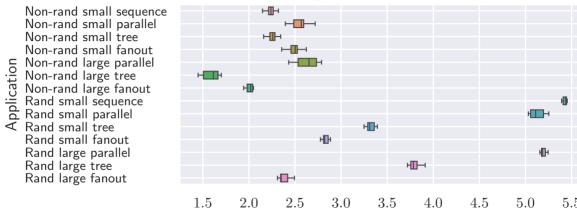_{total}$