dNTP synthesis 10 dNTP / sec r_{ribonucleotide} reductase ribonucleo reductase Ge et al. 2003 5×10^6 base pairs BNID:100269 $N_{dNTPs} \approx 2L_{genome} \approx 10^7 dNTPs$ ≈ 200 ribonucleotide reductases replication fork dependence Peebo et al. 2015 estimated value Schmidt et al. 2016 Li et al. 2014 Valgepea et al. 2013 10⁴ ibonucleotide reductases per cell 10^{3} 10^{2} 10^{1} 0.00 0.25 0.50 0.75 1.00 1.25 1.50 1.75 2.00 growth rate [hr-1]