SI-1. Extraction efficiency calculation

$$\text{DNA (pg)} = \text{genome size (bp)} / (0.978 \times 10^9) \text{ (pg/bp)}$$

Genome size (bp)	
E. coli	4,585,620
M. abscessus	5,090,491

(A) Calculated DNA content of one bacterial cell		
E. coli	0.0047	pg
M. abscessus	0.0052	pg

(B) From DAPI			Theoretical DNA yield (A x B)	
			pg	ng
E. coli	1.64E+07	cells/L	76895.88	76.90
M. abscessus	1.36E+07	cells/L	70788.01	70.79

Average extracted DNA (ng/µl)	Standard deviation (ng/µl)	Average total extracted DNA (ng) from 100 µl elution	Standard deviation (ng) from 100 µl elution
E. coli	0.60	0.08	60.40	7.72
M. abscessus	0.19	0.04	18.90	4.40

Average extraction efficiency	Standard deviation
E. coli	78.55%	9.53%
M. abscessus	26.70%	6.34%