

Table S1. Comparison of one-dimensional data obtained from serial ultrathin sectioning and cryoTEM of MSG and MTB.

		Number of cell examined	Diameter (μm)		Length (μm)	Aspect ratio
			OM	PM		
<i>M. smegmatis</i>	Serial ultrathin section	Average	0.58 ^{a, c, h}	0.55 ^{a, d}	3.54	6.27 ^f
		SD	0.05	0.05	1.83	3.71
		Min	0.51	0.49	2.07	3.35
		Max	0.66	0.63	7.41	14.35
	CryoTEM	Average	0.77 ^{b, h}	ND	3.46 ^e	4.44
		SD	0.08	ND	1.40	1.69
		Min	0.66	ND	1.08	1.34
		Max	1.00	ND	6.27	7.65
	<i>M. tuberculosis</i> ¹	Average	0.34 ^{a, j}	0.30 ^a	2.70	8.24 ^g
		SD	0.03	0.02	1.07	3.61
		Min	0.29	0.27	1.30	3.61
		Max	0.37	0.33	3.80	13.00
	<i>E. coli</i> ²	Average	0.60 ^{b, j}	ND	2.65 ^e	4.38
		SD	0.06	ND	0.74	1.16
		Min	0.51	ND	1.43	2.60
		Max	0.73	ND	3.85	6.68

ND: not determined.

a: p < 0.0001, b: p < 0.0001, c: p < 0.0001, d: p < 0.0001, e: p < 0.05, f: p < 0.02, g: p < 0.001, h: p < 0.000001, j: p < 0.000001.

1: Yamada et al., 2015

2: Yamada et al., 2017