

Table 2. Two-dimensional profiles of *M. tuberculosis* cells.

| Cell<br>(Number of serial ultrathin sections) <sup>1</sup> | Area ( $\mu\text{m}^2$ )     |                                   |                        |                         |
|--|------------------------------|-----------------------------------|------------------------|-------------------------|
|  | Average Cross-section (Cell) | Average Cross-section (Cytoplasm) | Outer Membrane Surface | Plasma Membrane Surface |
| Cell 1 (24)  | 0.134                        | 0.108                             | 1.201                  | 1.095                   |
| Cell 2 (35)  | 0.096                        | 0.057                             | 2.072                  | 1.704                   |
| Cell 3 (69)  | 0.079                        | 0.066                             | 3.773                  | 3.402                   |
| Cell 4 (55)  | 0.124                        | 0.102                             | 3.809                  | 3.383                   |
| Cell 5 (67)  | 0.147                        | 0.116                             | 4.328                  | 3.775                   |
| Average  | 0.116                        | 0.090                             | 3.037                  | 2.672                   |
| SD   | 0.028                        | 0.026                             | 1.333                  | 1.191                   |

<sup>1</sup>Values in parenthesis indicate the number of serial ultrathin sections required to complete whole cell profile measurement.

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