

Chapter 1 goes here.

Table 1: The probability (P) of a spot pattern occurring, calculated as: $(1-P)^M + MP(1-P)^{M-1}$ and the corresponding information content (I) for a range of population sizes (M).

Population size	Probability of occurrence	Information content (bits)
50	$\pm \ 3 \times 10^{-3}$	> 8.38
100	$\pm~1.49~ imes~10^{-3}$	> 9.39
500	$\pm \ 2.969 imes 10^{-4}$	> 11.72
1,000	$\pm~1.4862 imes10^{-4}$	> 12.72