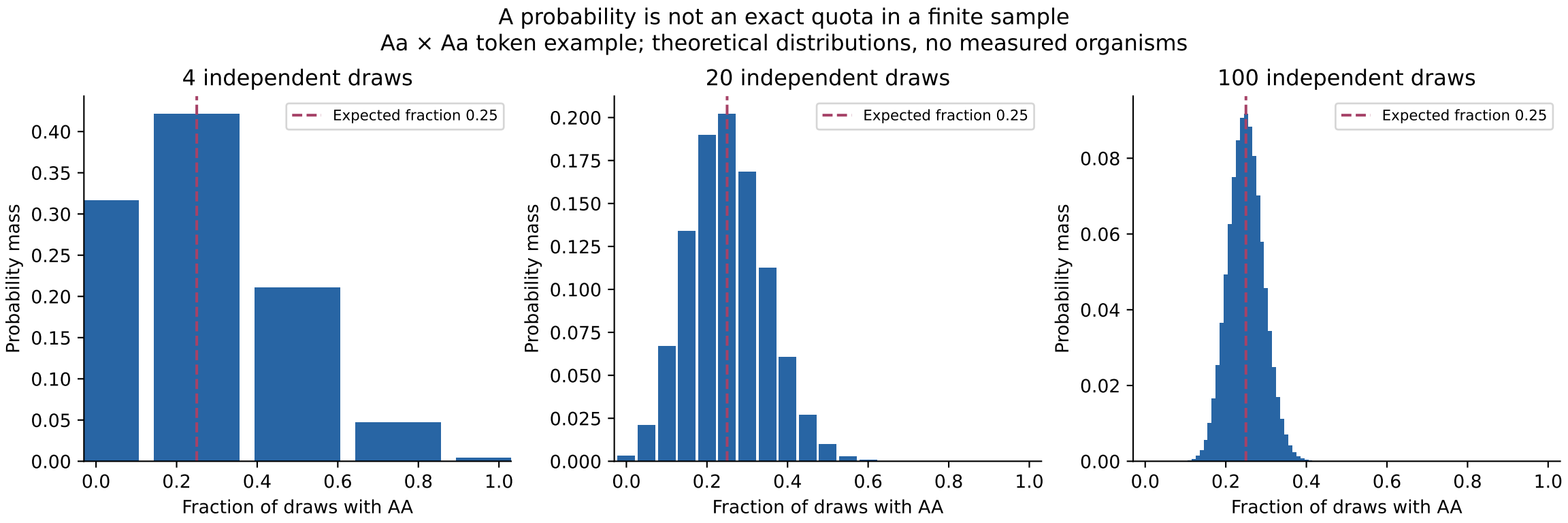

A probability is not an exact quota in a finite sample
Aa × Aa token example; theoretical distributions, no measured organisms
4 independent draws
20 independent draws
100 independent draws
Expected fraction 0.25
Probability mass
Fraction of draws with AA
0.0
0.2
0.4
0.6
0.8
1.0
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0.40
0.000
0.025
0.050
0.075
0.100
0.125
0.150
0.175
0.200
0.02
0.04
0.06
0.08