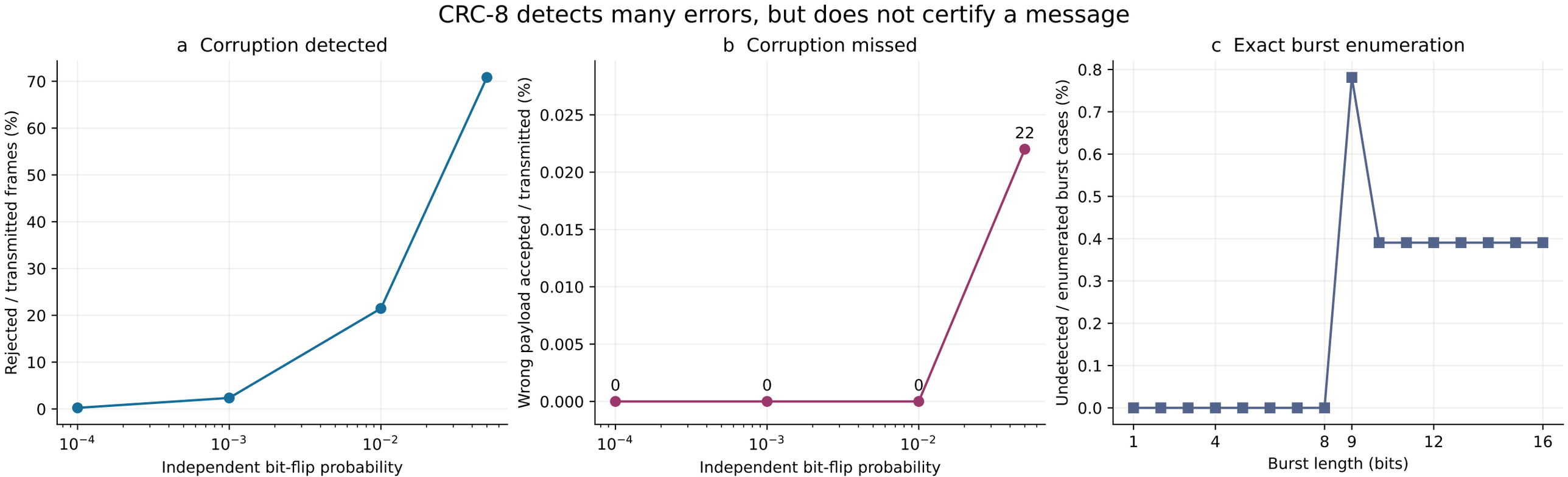

CRC-8 detects many errors, but does not certify a message
a Corruption detected
Rejected / transmitted frames (%)
0
10
20
30
40
50
60
70
10^{-4}
10^{-3}
10^{-2}
Independent bit-flip probability
b Corruption missed
Wrong payload accepted / transmitted (%)
0.000
0.005
0.010
0.015
0.020
0.025
0
0
0
22
10^{-4}
10^{-3}
10^{-2}
Independent bit-flip probability
c Exact burst enumeration
Undetected / enumerated burst cases (%)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
1
4
8
9
12
16
Burst length (bits)
Panels a–b: 100,000 synthetic frames per point; labels in b are event counts. Panel c: exact counts, not sampled trials.