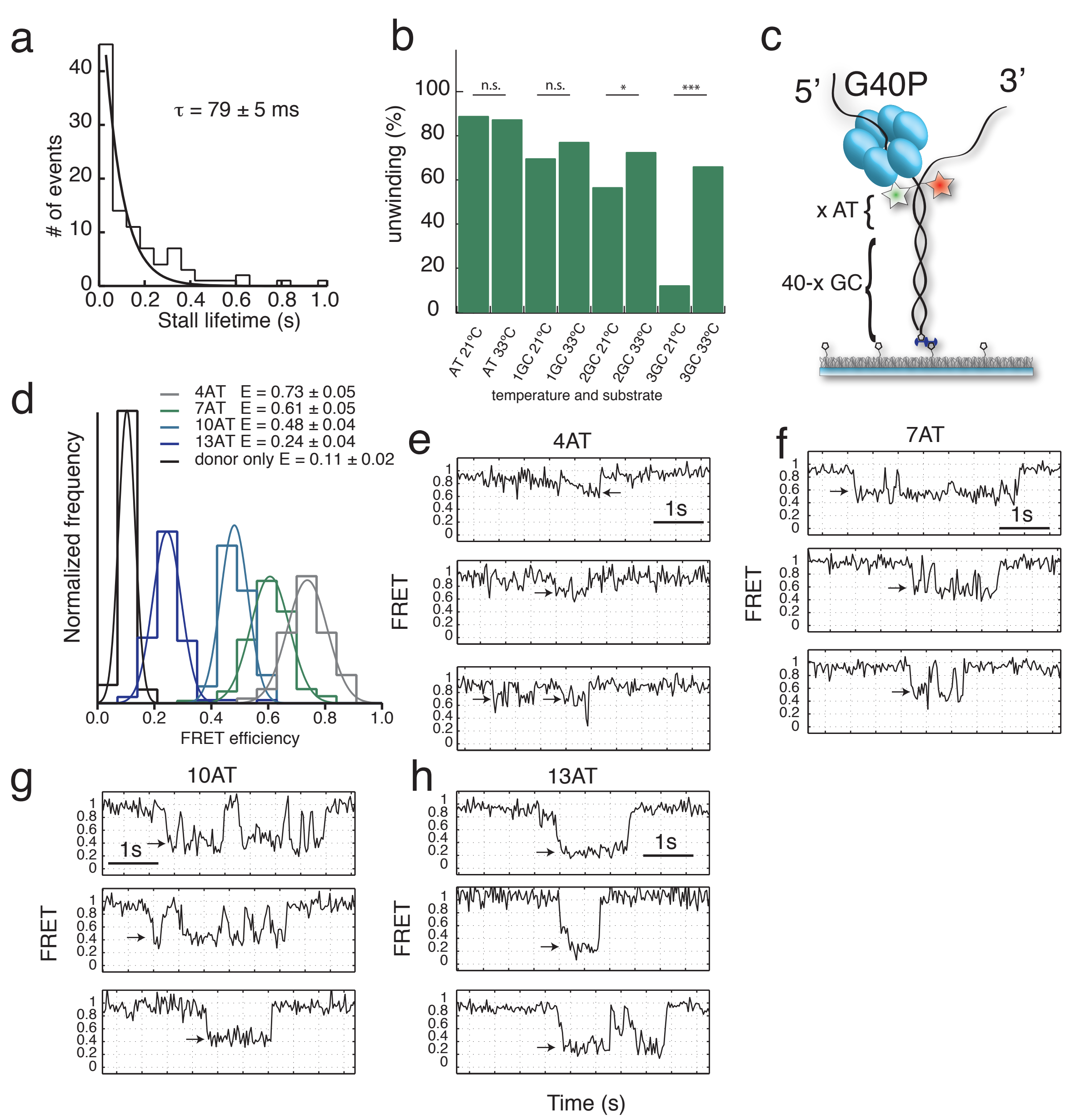
a
τ = 79 ± 5 ms
# of events
Stall lifetime (s)
b
unwinding (%)
n.s.
n.s.
*
***
AT 21°C
AT 33°C
1GC 21°C
1GC 33°C
2GC 21°C
2GC 33°C
3GC 21°C
3GC 33°C
temperature and substrate
c
5'
G40P
3'
x AT
40-x GC
d
4AT E = 0.73 ± 0.05
7AT E = 0.61 ± 0.05
10AT E = 0.48 ± 0.04
13AT E = 0.24 ± 0.04
donor only E = 0.11 ± 0.02
Normalized frequency
FRET efficiency
e
4AT
1s
FRET
f
7AT
1s
FRET
g
10AT
1s
FRET
h
13AT
1s
FRET
Time (s)