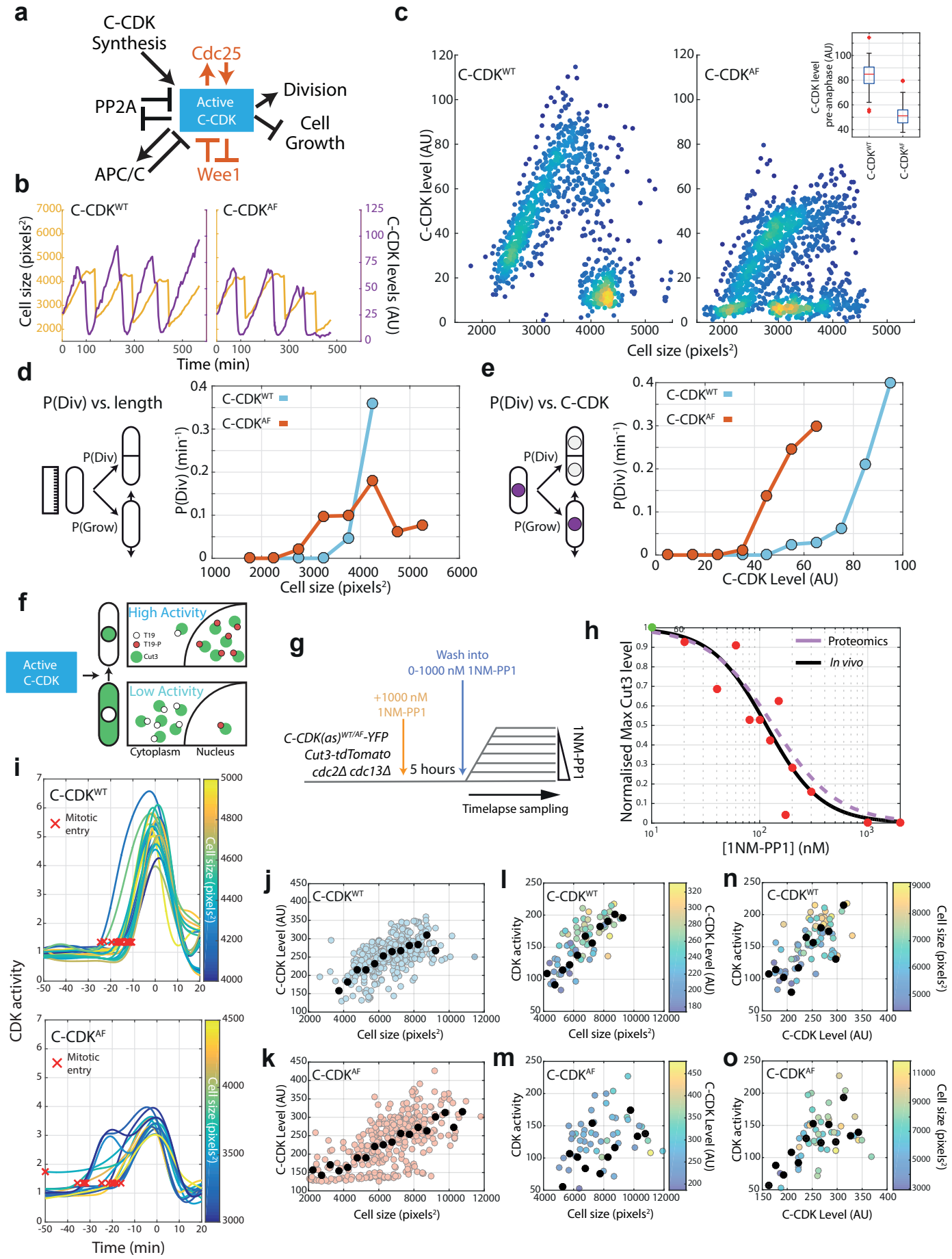
a
C-CDK Synthesis
Cdc25
PP2A
Active C-CDK
Division
Cell Growth
APC/C
Wee1
b
C-CDK^WT
C-CDK^AF
Cell size (pixels²)
C-CDK levels (AU)
Time (min)
c
C-CDK^WT
C-CDK^AF
C-CDK level (AU)
Cell size (pixels²)
C-CDK level pre-anaphase (AU)
d
P(Div) vs. length
P(Div)
P(Grow)
P(Div) (min⁻¹)
Cell size (pixels²)
e
P(Div) vs. C-CDK
C-CDK Level (AU)
f
Active C-CDK
High Activity
Low Activity
T19
T19-P
Cut3
Cytoplasm
Nucleus
g
Wash into 0-1000 nM 1NM-PP1
+1000 nM 1NM-PP1
C-CDK(as)^WT/AF-YFP
Cut3-tdTomato
cdc2Δ cdc13Δ
5 hours
1NM-PP1
Timelapse sampling
h
Proteomics
In vivo
Normalised Max Cut3 level
[1NM-PP1] (nM)
i
C-CDK^WT
C-CDK^AF
Mitotic entry
CDK activity
Cell size (pixels²)
Time (min)
j
k
l
m
n
o
C-CDK Level (AU)
CDK activity
Cell size (pixels²)

Figure 1