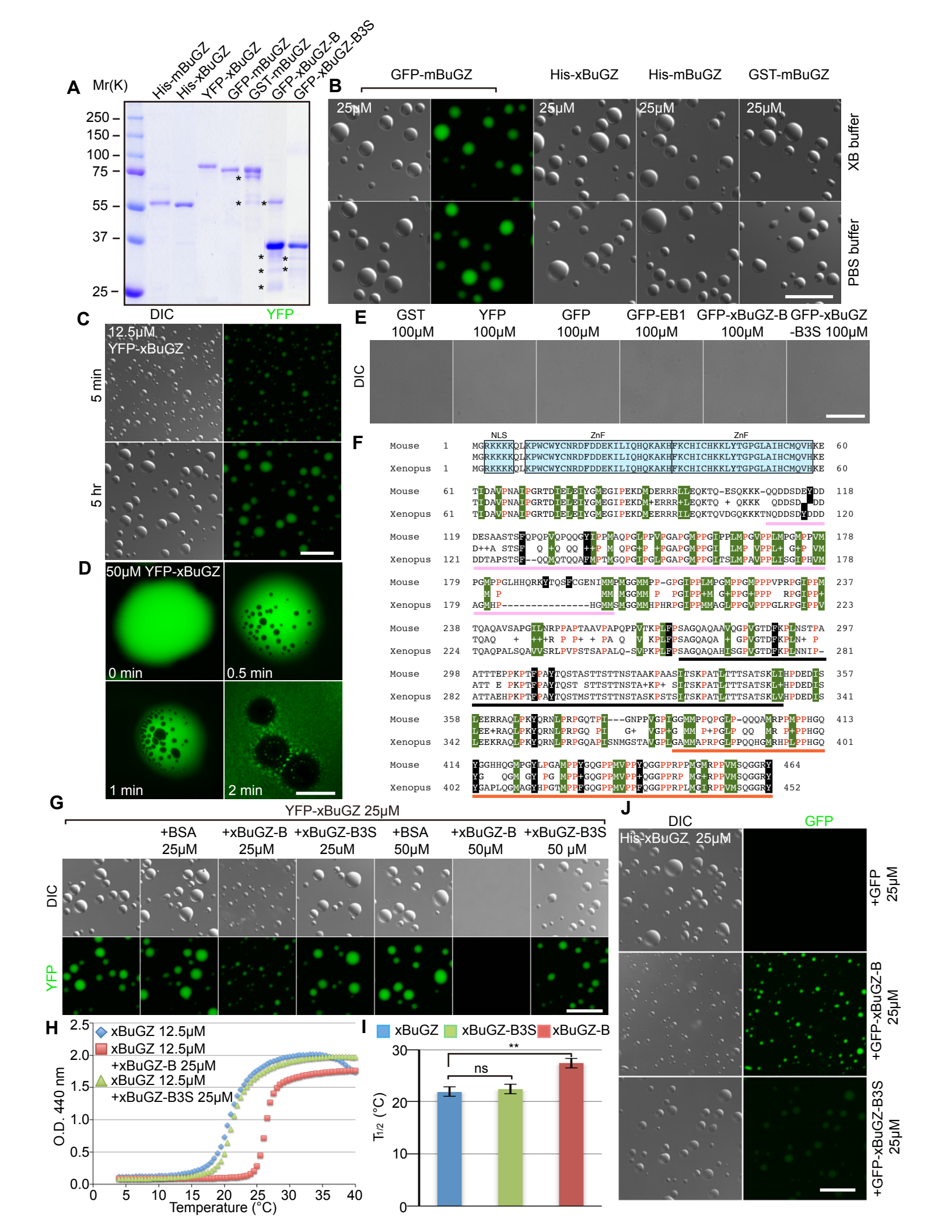
A
Mr(K)
His-mBuGZ
His-xBuGZ
YFP-xBuGZ
GFP-mBuGZ
GST-mBuGZ
GFP-xBuGZ-B
GFP-xBuGZ-B3S
250
150
100
75
55
37
25
B
GFP-mBuGZ
His-xBuGZ
His-mBuGZ
GST-mBuGZ
25μM
XB buffer
PBS buffer
C
DIC
YFP
12.5μM
YFP-xBuGZ
5 min
5 hr
D
50μM YFP-xBuGZ
0 min
0.5 min
1 min
2 min
E
GST 100μM
YFP 100μM
GFP 100μM
GFP-EB1 100μM
GFP-xBuGZ-B 100μM
GFP-xBuGZ -B3S 100μM
DIC
F
NLS
ZnF
ZnF
Mouse
Xenopus
G
YFP-xBuGZ 25μM
+BSA 25μM
+xBuGZ-B 25μM
+xBuGZ-B3S 25uM
+BSA 50μM
+xBuGZ-B 50μM
+xBuGZ-B3S 50 μM
DIC
YFP
H
xBuGZ 12.5μM
xBuGZ 12.5μM +xBuGZ-B 25μM
xBuGZ 12.5μM +xBuGZ-B3S 25μM
O.D. 440 nm
Temperature (°C)
I
xBuGZ
xBuGZ-B3S
xBuGZ-B
ns
**
T1/2 (°C)
J
DIC
GFP
His-xBuGZ 25μM
+GFP 25μM
+GFP-xBuGZ-B 25μM
+GFP-xBuGZ-B3S 25μM