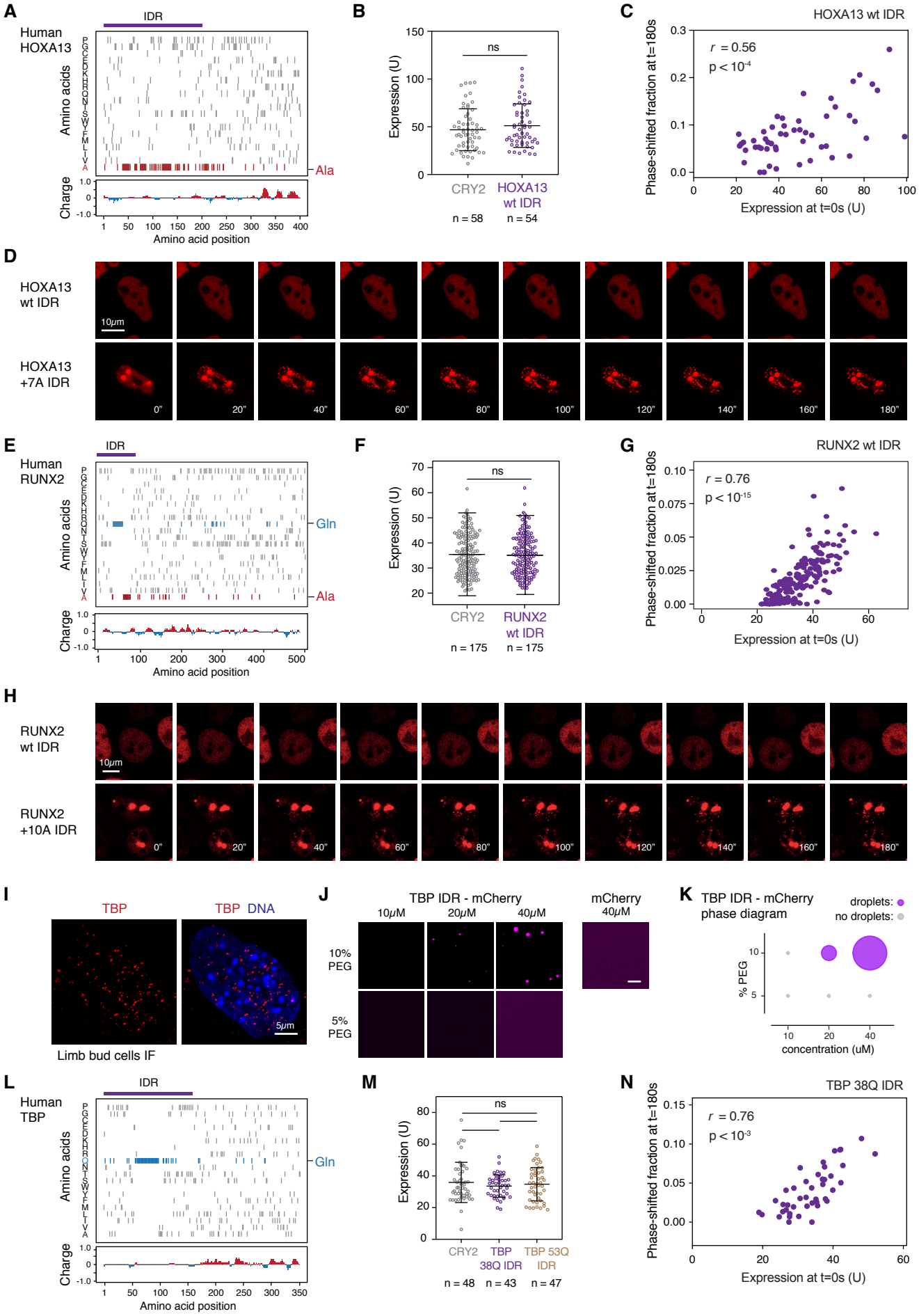
Figure S6


A
IDR
Human HOXA13
Amino acids
Ala
Charge
Amino acid position
B
ns
Expression (U)
CRY2
HOXA13 wt IDR
n = 58
n = 54
C
HOXA13 wt IDR
r = 0.56
p < 10-4
Phase-shifted fraction at t=180s
Expression at t=0s (U)
D
HOXA13 wt IDR
HOXA13 +7A IDR
10μm
0"
20"
40"
60"
80"
100"
120"
140"
160"
180"
E
IDR
Human RUNX2
Amino acids
Gln
Ala
Charge
Amino acid position
F
ns
Expression (U)
CRY2
RUNX2 wt IDR
n = 175
n = 175
G
RUNX2 wt IDR
r = 0.76
p < 10-15
Phase-shifted fraction at t=180s
Expression at t=0s (U)
H
RUNX2 wt IDR
RUNX2 +10A IDR
10μm
0"
20"
40"
60"
80"
100"
120"
140"
160"
180"
I
TBP
TBP DNA
5μm
Limb bud cells IF
J
TBP IDR - mCherry
10μM
20μM
40μM
mCherry 40μM
10% PEG
5% PEG
K
TBP IDR - mCherry phase diagram
droplets:
no droplets:
% PEG
concentration (uM)
L
IDR
Human TBP
Amino acids
Gln
Charge
Amino acid position
M
ns
Expression (U)
CRY2
TBP 38Q IDR
TBP 53Q IDR
n = 48
n = 43
n = 47
N
TBP 38Q IDR
r = 0.76
p < 10-3
Phase-shifted fraction at t=180s
Expression at t=0s (U)