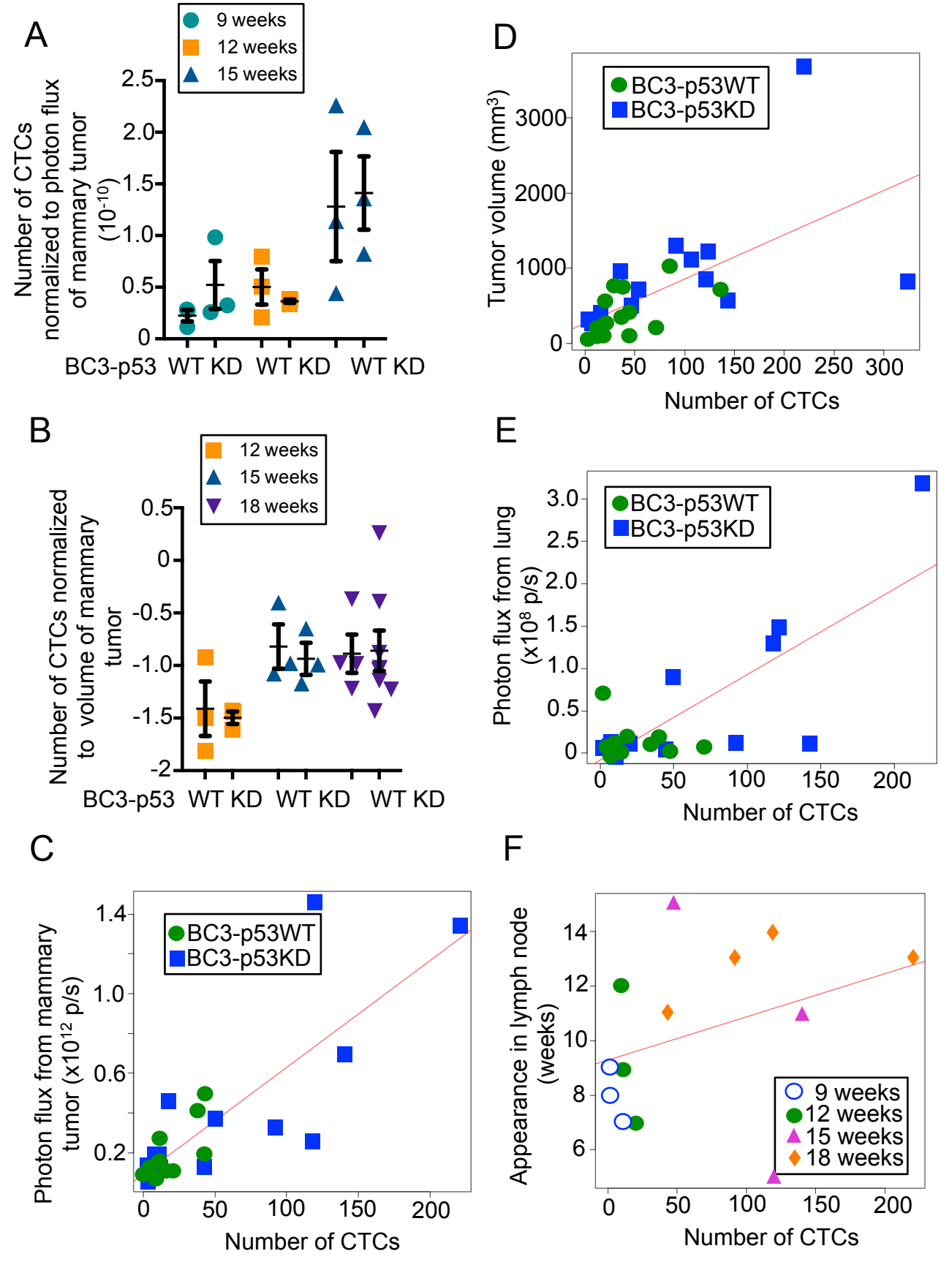
A
9 weeks
12 weeks
15 weeks
Number of CTCs normalized to photon flux of mammary tumor (10^{-10})
2.5
2.0
1.5
1.0
0.5
0
BC3-p53 WT KD WT KD WT KD
B
12 weeks
15 weeks
18 weeks
Number of CTCs normalized to volume of mammary tumor
0.5
0
-0.5
-1.0
-1.5
-2
BC3-p53 WT KD WT KD WT KD
C
BC3-p53WT
BC3-p53KD
Photon flux from mammary tumor ($x10^{12}$ p/s)
1.4
1.0
0.6
0.2
0 50 100 150 200
Number of CTCs
D
BC3-p53WT
BC3-p53KD
Tumor volume (mm^3)
3000
2000
1000
0
0 50 100 150 200 250 300
Number of CTCs
E
BC3-p53WT
BC3-p53KD
Photon flux from lung ($x10^8$ p/s)
3.0
2.5
2.0
1.5
1.0
0.5
0
0 50 100 150 200
Number of CTCs
F
Appearance in lymph node (weeks)
14
12
10
8
6
9 weeks
12 weeks
15 weeks
18 weeks
0 50 100 150 200
Number of CTCs