Figure S3

A) **SW480**

- Mock
- dnLEF-1
- dnTCF-1Emut
- dnTCF-1EWT
- dnTCF-4E

60µm

B) Graph showing data for SW480 with markers for different conditions.

C) **SW620**

- dnLEF-1 (p<0.0001)
- dnTCF-1Emut (p<0.0001)

**LS174T**

- dnLEF-1 (p=0.92)
- dnTCF-1Emut (p=0.002)

**HCT116**

- dnLEF-1 (p<0.0001)
- dnTCF-1Emut (p=0.12)

**HT29**

- dnLEF-1 (p=0.005)
- dnTCF-1Emut (p=0.5)

D) **Parental DLD-1**

- -Dox
- +Dox (p=0.73)
Figure S3. FLIM analysis of colon cancer cell cultures. (A) Top panel of images shows the autofluorescent intensity of SW480 cells excited at 740 nm. Bottom panels correspond to the free:bound NADH color map of the same field of cells according to the color map depicted in the phasor plot in Figure 3D. (B) Scatter plot summary of FLIM analysis (for NADH) of SW480 cells transduced with different lentiviral transductions to express four different dnLEF/dnTCFs. (C) Additional FLIM analyses of four different colon cancer cell cultures transduced with the indicated lentiviral expression constructs. (D) Scatter plot analysis shows that DLD-1 parental cells do not respond to 0.01 µg/ml doxycycline alone (compare to shifts in the phasor towards bound NADH when DLD-1 clonal cells are induced to express dnLEF-1 (Figure 3E, 3F).