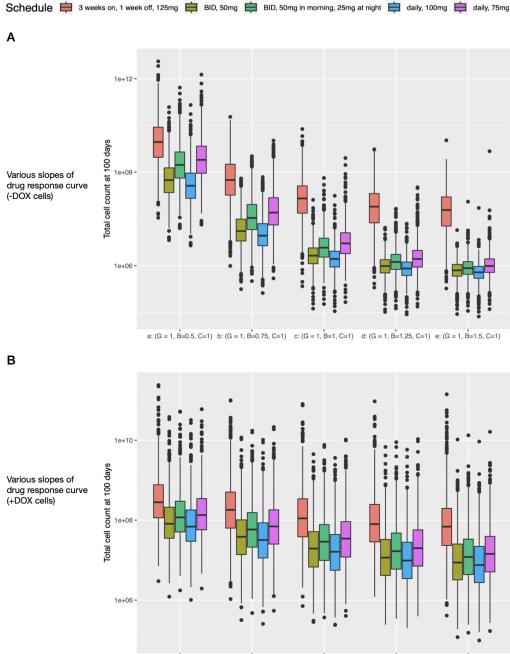
Fig. S15 In silico simulation of new cell lines - 3 (A) for -DOX cells and (B) for +DOX cells are the standard box plots for the number of cells at day 100. From left to right, we varied the slopes of palbocicilib response curve from the original cell line (MCF7) by giving different weights (0.5, 0.75, 1.0, 1.25, 1.5) of the original parameter  $b_P$ . In x-axis, G denotes the weight of G1-S growth rate, B denotes the weight of the slope of palbocicilib response curve, and C denotes the weight of G1/S-TR50 of palbocicilib response curve.



 $k: (G = 1, B = 0.5, C = 1) \quad l: (G = 1, B = 0.75, C = 1) \quad m: (G = 1, B = 1, C = 1) \quad n: (G = 1.0, B = 1.25, C = 1) \quad o: (G = 1, B = 1.5, C = 1) \quad distance (G = 1, B = 1.5, C = 1) \quad distanc$