Figure S8, related to Figure 3. Hes6-overexpression induces more rapid cell cycle entry.

(A) Constitutive overexpression of Hes6 in unsynchronized LNCaP cells increases the fraction of cells exiting G1 phase and progressing to both S and G2M phase. Numerically confirmed with Flow-jo (v8.8.4) quantification. n = 3, error bars represent mean ± SEM; a = 0.003, b = 0.008, c = 0.007 by t-test.

(B) Cells were serum starved for 48 h and then released to cycle in different conditions.

(C) Hes6 increased the fraction of synchronized LNCaP cells exiting G1 phase, and expedited their transition to S and G2/M phase. Cultured in Vehicle (Veh) = ETOH; n = 3; error bars represent mean ± SEM; a = 0.029, b = 0.027, c = 0.011, d = 0.002, e = 0.08, f = 0.001 comparing LNCaP-Hes6HA to EV by t-test.

(D) Hes6 increased the fraction of synchronized LNCaP cells exiting G1 phase, and expedited their transition to S and G2/M phase. Cultured in bicalutamide (Bic) 1 μM; n = 3; error bars represent mean ± SEM; a = 0.012, b = 0.0009, c = 0.022, d = 0.002, e = 0.031, f = 0.003, g = 0.051, h = 0.0006 by t-test.