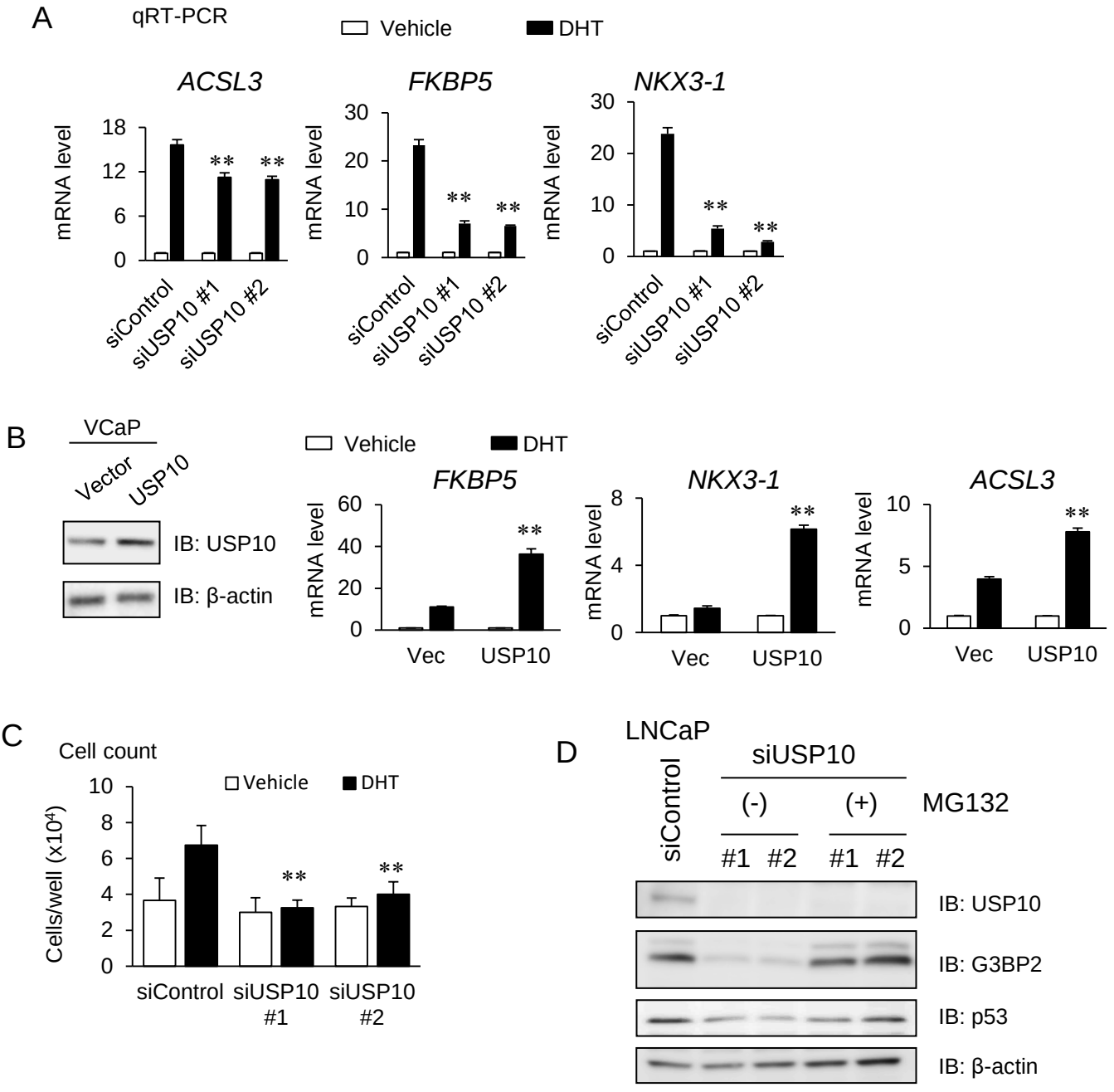

Figure S2. USP10 regulates androgen-dependent signals and G3BP2 protein level in VCaP cells.
(A) Androgen-mediated gene inductions were inhibited by USP10 knockdown. VCaP cells were treated with siControl or siUSP10 #1 and #2 for 48 h. Cells were treated with DHT 10 nM or vehicle for 24 h. qRT-PCR analysis (N=3) was performed to measure the expression level of AR-regulated genes. Data represent the average + s.d. **: $P < 0.01$. (B) Overexpression of USP10 enhance androgen-dependent signals in VCaP cells. Cells were transfected with pcDNA3.0-USP10 or control vector. After 48 h incubation, cells were treated with vehicle or DHT 10 nM for 12 h. (Left) Western blot analysis was performed to detect USP10 protein. β-actin is a loading control. IB: immunoblot. (Right) qRT-PCR analysis (N=3) was performed to measure the expression level of AR-regulated genes. Data represent the average + s.d. **: $P < 0.01$. (C) Androgen-dependent cell growth of VCaP cells was modulated by USP10 knockdown. Cells were treated with siControl or siUSP10 #1 and #2. After 3 days incubation, the number of cells were counted (N=4). Data represent the average + s.d. **: $P < 0.01$. (D) USP10 regulates p53 and G3BP2 protein expression by proteasome-dependent pathway. 22Rv1 cells and LNCaP cells were treated with siControl or siUSP10 #1 and #2 for 72 h. Cells were treated with MG132 (50 μg/mL) for 5 h before cell lysis. Western blot analysis was performed to detect indicated proteins. IB: immunoblot.