

Supplementary Material: ARRB1 Regulates Metabolic Reprogramming to Promote Glycolysis in Stem Cell-Like Bladder Cancer Cells

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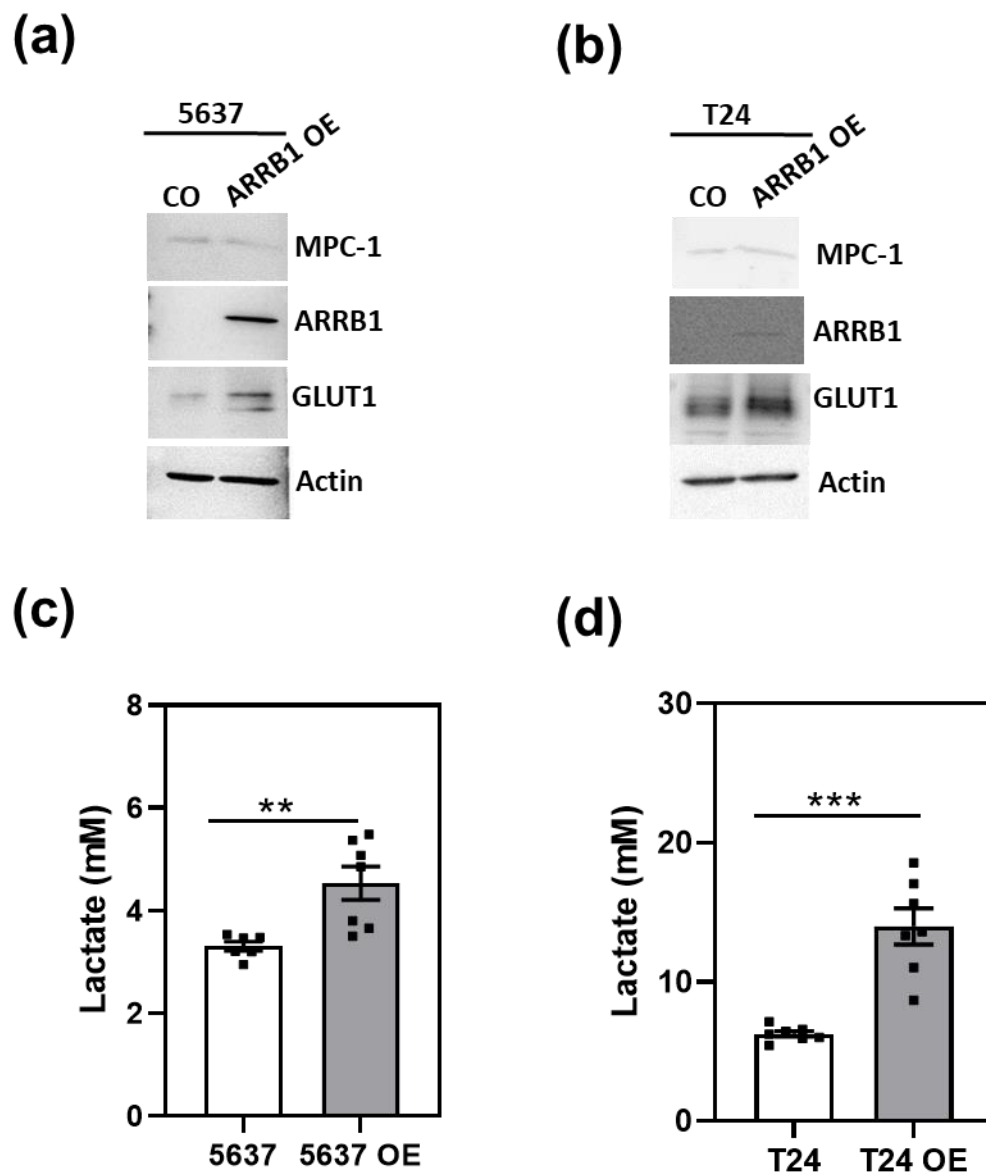


Figure S1. Over expression of ARRB1 in bladder cancer cell lines 5637 and T24 increases glycolysis: **(a, b)** Immunoblot for detection of MPC1 and GLUT1 in bladder cancer cell lines (5637 and T24) following over expression of ARRB1. **(c, d)** Quantification of glycolysis (lactate production) in ARRB1-overexpressing cells (5637 OE and T24 OE) and corresponding controls. Data: means \pm SEM, n=6 or 7; *** p<0.001, ** p<0.01 (two-tailed unpaired t test). The experiments were repeated once.

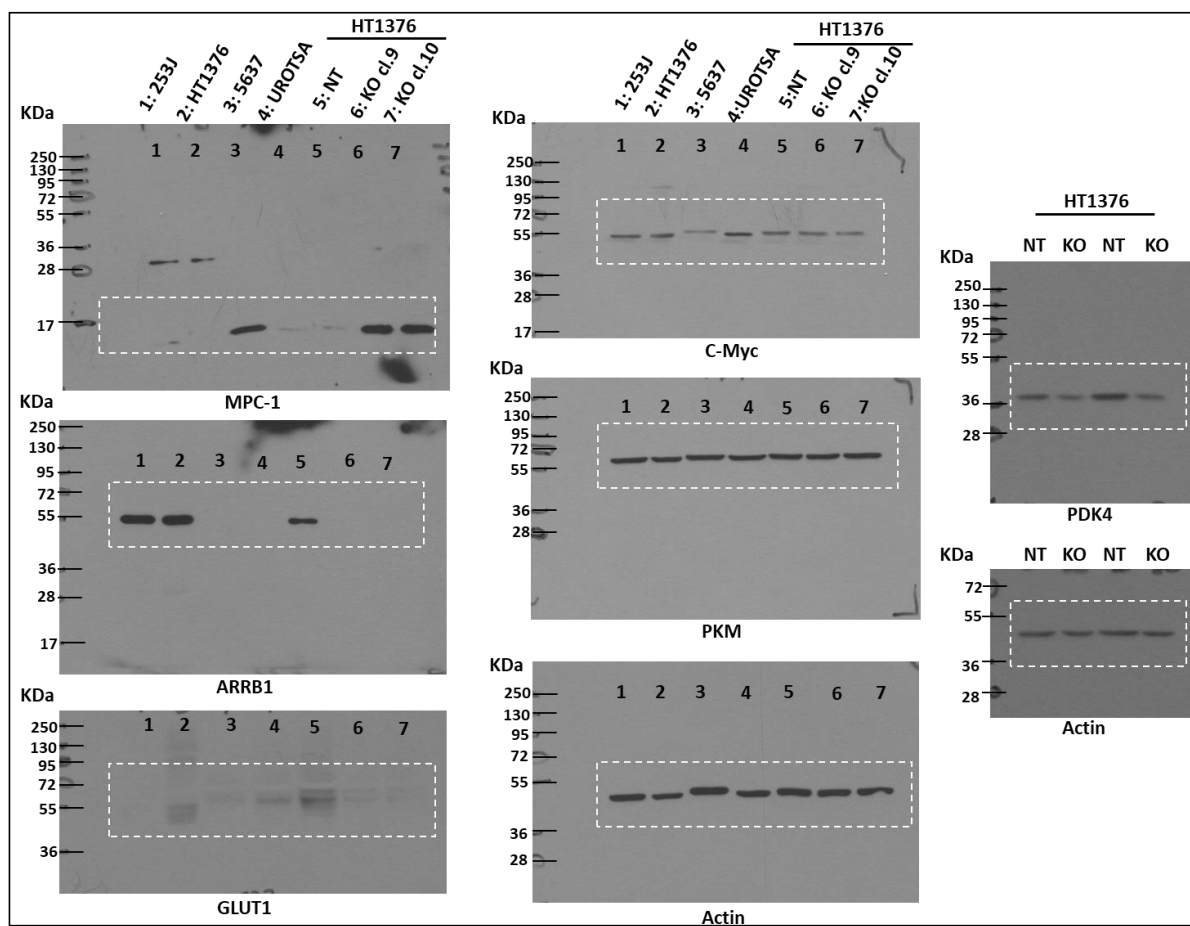
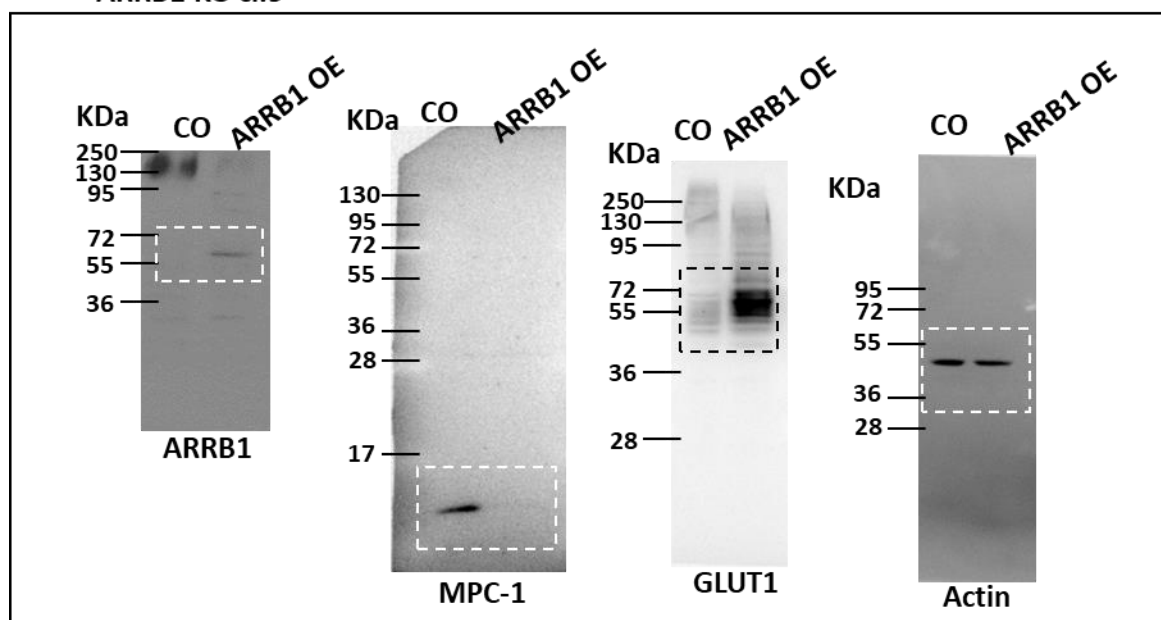


Figure S2. uncropped western blots from Figure 4.

ARRB1 KO cl.9



ARRB1 KO cl.10

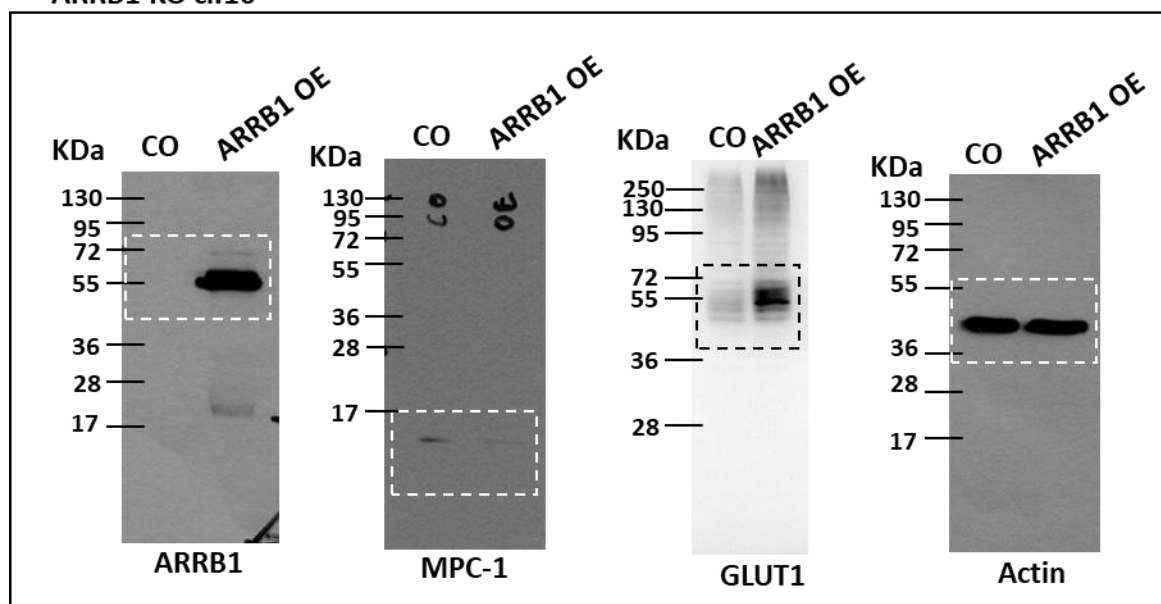


Figure S3: uncropped western blots from Figure 5

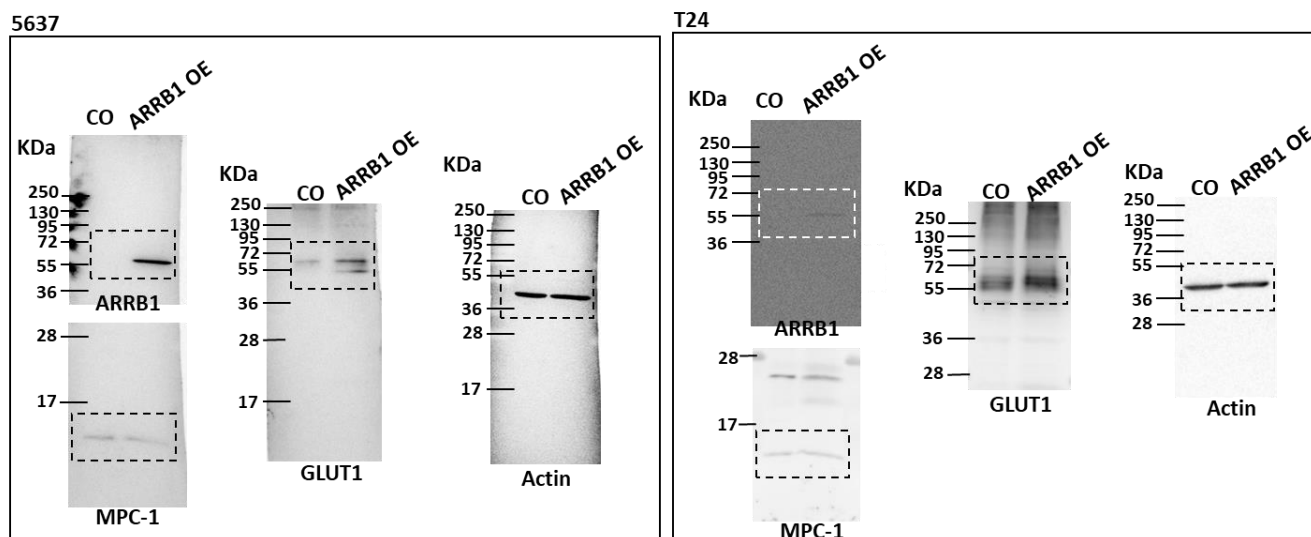


Figure S4: uncropped western blots from Supplementary Figure S1.

Table S1: Antibodies and dilutions

Antibodies used in Western Blot analysis					
Target	Host Species	Supplier	Catalog number	Dilution	Blocker
Actin (13E5)	rabbit	Cell Signaling	5125s	1:100,000	5% NFDM
ARRB1 (D803J)	rabbit	Cell Signaling	12697s	1:1,000	5% NFDM
c-Myc (Lot# 1151610301)	rabbit	ABclonal	A1309	1:3,000	5% NFDM
Glut 1 (D3J3A)	rabbit	Cell Signaling	12939s	1,000-1:3000	5%BSA
MPC1 (D2L9I)	rabbit	Cell Signaling	14462s	1:1,000	5% Milk
PDK4 (Lo# 3301330101)	rabbit	ABclonal	A3069	1:5,000	5% Milk
PKM	rabbit	ABclonal	A0268	1:3,000	5% Milk
Antibodies used in Immunofluorescence					
Target	Host Species	Supplier	Catalog number	Dilution	Blocker
Bmi1 (D20B7) XP (R)	rabbit	Cell Signaling	6964s	1:200	3% BSA, 10% goat serum
HCAM/CD44 (DF 1485)	mouse	Santa Cruz Bio-technology	Sc-7297	1:50	3% BSA, 10% goat serum