

Figure S1

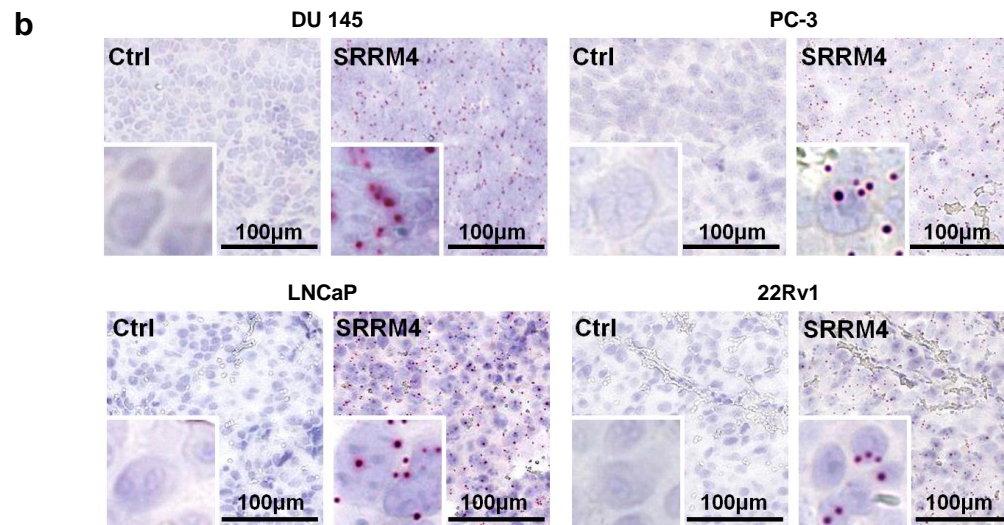
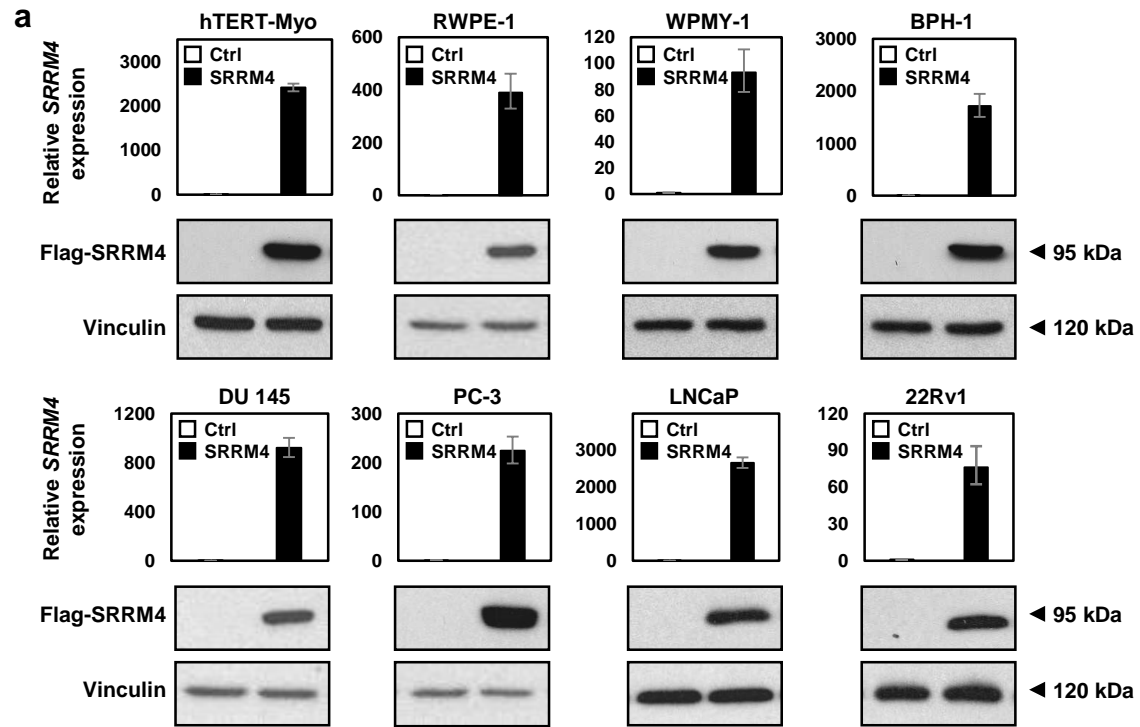


Figure S2

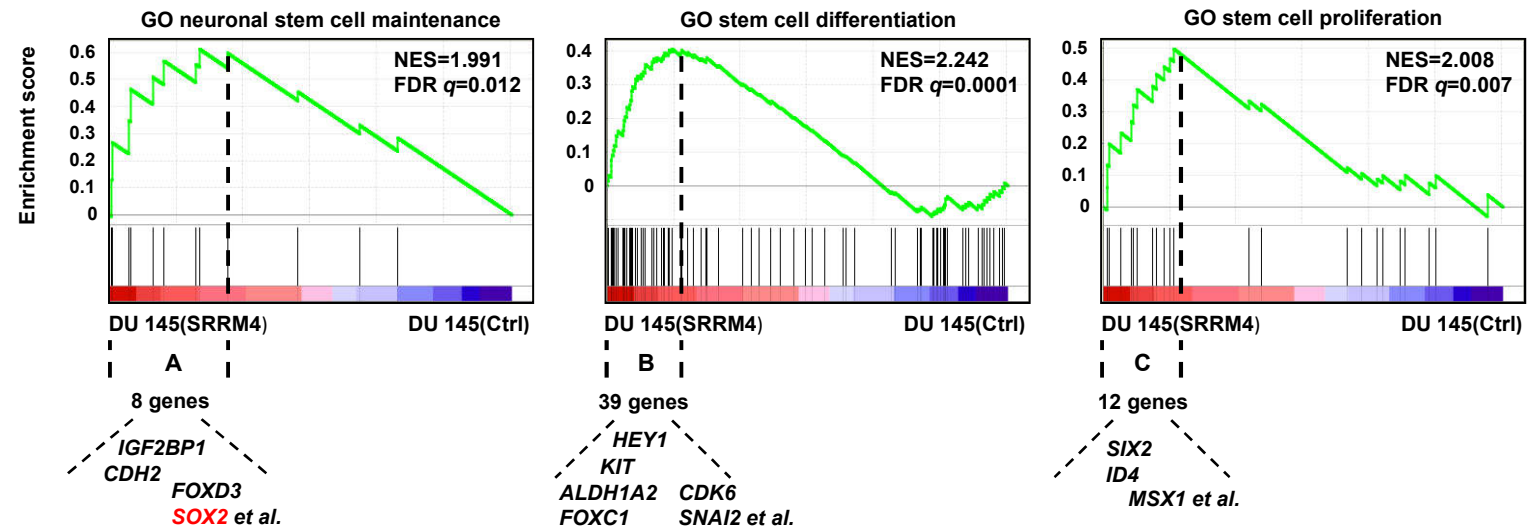
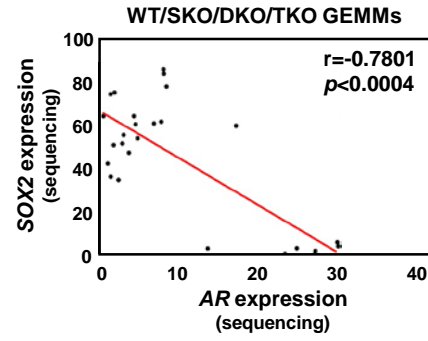


Figure S3

a



b

Human CRPC cohorts

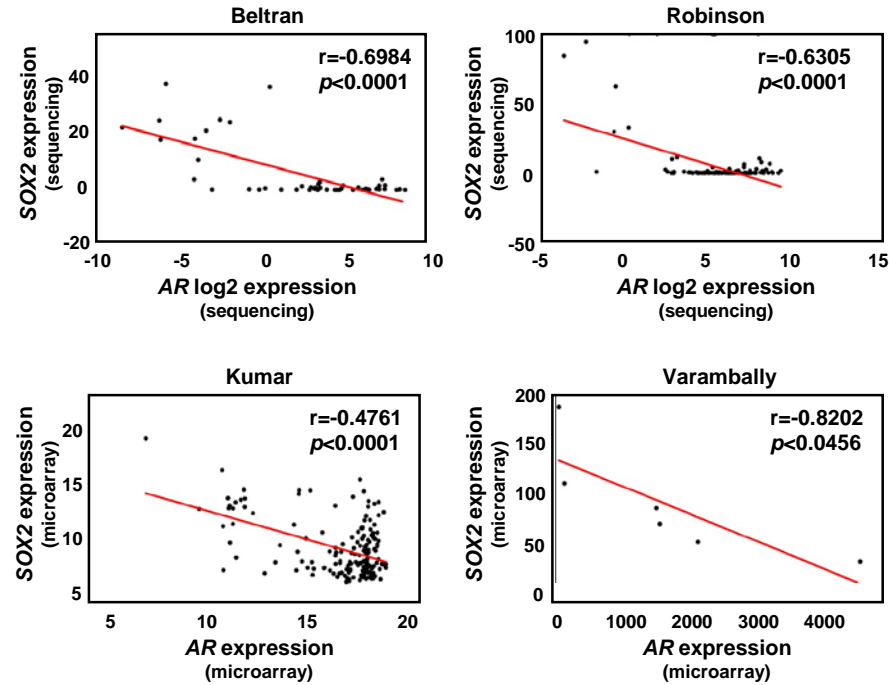
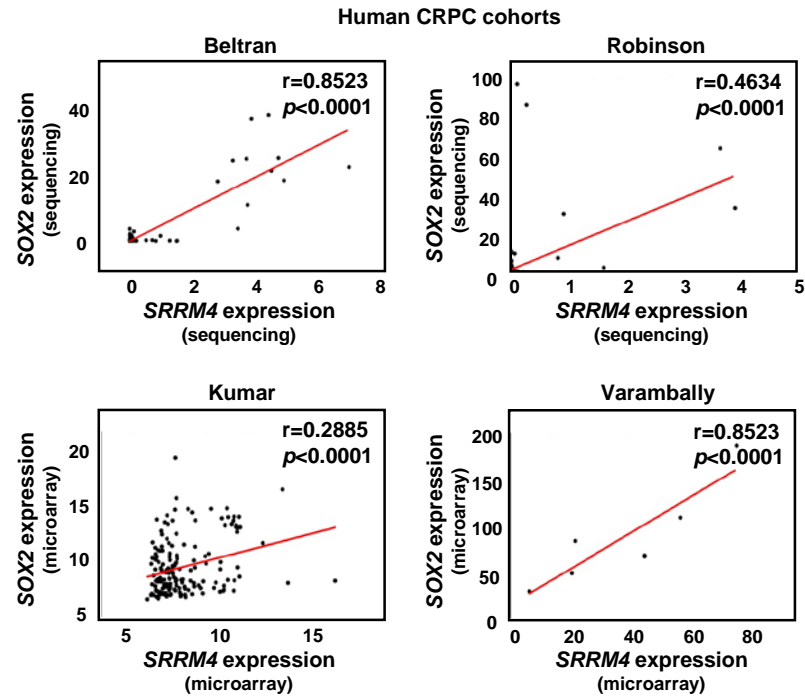


Figure S4



Supplementary Table 1: Primers for real-time qPCR

Primer Name	Forward Primer Sequence	Reverse Primer Sequence
<i>ABII(C)</i>	GGCTGGTTATTTCCATGCTTGA	TCACAAAATAATAGCACCTGCG
<i>ABII(NS)</i>	ATGCTTGGCTTTTAGCCACTT	TCACAAAATAATAGCACCTGCG
<i>ATL2(C)</i>	TTCCTCCATCAAATTATCACCC	TCTTGTGTAACCTTGTCATGGG
<i>ATL2(NS)</i>	GATGACAGTCTCTGTCTGCTGTG	CTGAAACACTATGGGAACAGAG
<i>BHC80(C)</i>	AGTCTTTGAGCCAGAGCGTAAG	CACTGCATTGTATTTTGGAGGA
<i>BHC80(NS)</i>	GGAAGAGAGCCAATGAGGAAC	AGTAACTGGCCACTTTTTCTGC
<i>CAMTA2(C)</i>	GCTGAAATCGCTTCTGTTCATA	GTTACCGGAAGTACAAGCAGTT
<i>CAMTA2(NS)</i>	GCTGAAATCGCTTCTGTTCATA	GTACAAGCAGCTGACCTGGATT
<i>ERGIC2(C)</i>	GAAGATGCAGGAGCAGAAGAAT	AGCTCTGCAAGTCATGGACGT
<i>ERGIC2(NS)</i>	CAGATACTATTGAGCAGTGCCG	AAGCTCTGCAAGTCATGGATCT
<i>GIT1(C)</i>	TTCTACCTCTGTGGACGCAAG	AATTCGGATAAGTCAAGGCTGTC
<i>GIT1(NS)</i>	CCACAGATGGCTGACAGATC	TACACGTCCATGGCGAGTT
<i>MEAF6(C)</i>	GAATAAAAACCGGCACAGGATTG	AAGGGAAGCAGGGCTCTACA
<i>MEAF6(NS)</i>	AATAAAAACCGGCACAGCCC	AAGGGAAGCAGGGCTCTACA
<i>MEF2D(C)</i>	GGGGTTAATGCATCACTTGAAGT	TGGCTGAGTAAACTCGGCCGT
<i>MEF2D(NS)</i>	GGGGTTAATGCATCACTTGAACA	TGGCTGAGTAAACTCGGCCGT
<i>MON2(C)</i>	AAATGCAAAATATAATCAGGCG	GCTTTGTGACACGCTGTTTTT
<i>MON2(NS)</i>	ATCCAATAATTTGCACCGGC	GCTTTGTGACACGCTGTTTTT
<i>PTK2(C)</i>	ATGTACATCTCCAAATTGGCCT	GATACTTACACCATGCCCTCAAC
<i>PTK2(NS)</i>	TACATCTCCAAATTGGCCTTCT	GCCCTCAAAAAGCTATGGAATA
<i>REST(C)</i>	TGCGTACTCATTGAGGTGAGA	TCTTGCATGGCGGGTACTT
<i>REST(NS)</i>	GCGTACTCATTGAGGTGAGA	GATTAGAGGCCACATAACTGCAC
<i>SH3GLB2(C)</i>	GAGGGCACCACAGGCATAGT	AGAAGCAGCTGGGCAGATTT
<i>SH3GLB2(NS)</i>	GAGGGCACCACAGGCATAGT	CAGCTCCCAGGGTGCCATAT
<i>18S</i>	TTGACGGAAGGGCACCACCAG	GCACCACCACCCACGGAATCG
<i>AR</i>	TCTTGTCTCTTCGGAATGT	AAGCCTCTCCTTCCTCTGTA
<i>CDH1</i>	ATTTTTCCCTCGACACCCGAT	TCCCAGGGCGTAGACCAAGA
<i>KRT8</i>	TCCTCAGGCAGCTATATGAAGAG	GGTTGGCAATATCCTCGTACTGT
<i>NKX3-1</i>	CCCACACTCAGGTGATCGAG	GAGCTGCTTTCGCTTAGTCTT
<i>KLK3</i>	AGTGCAGAGAAGCATTCCCAAC	CCAGCAAGATCACGCTTTTGT
<i>ASCL1</i>	CCCAAGCAAGTCAAGCGACA	AAGCCGCTGAAGTTGAGCC
<i>CHGA</i>	TAAAGGGGATACCGAGGTGATG	TCGGAGTGTCTCAAACATTCC
<i>CHGB</i>	CGAGGGGAAGATAGCAGTGAA	CAGCATGTGTTTCCGATCTGG
<i>CDH2</i>	TGCGGTACAGTGTAAGTGGG	GAAACCGGGCTATCTGCTCG
<i>SCG3</i>	GTCTTCATCAACTAGACGGGACT	ACAATCTTGTCAAACACGGCTC
<i>SCGN</i>	GGCCATTTCTGAGGCTAAACT	GGGCTCCTGTTTTACTAACATCA
<i>SYP</i>	TTAGTTGGGGACTACTCCTCG	GGCCCTTTGTTATTCTCTCGGTA
<i>SYT4</i>	ATGGGATACCCTACACCCAAAT	TCCCGAGAGAGGAATTAGAAGTT
<i>SRRM4</i>	CACAAGCGACGCAGGTCAT	CGGTGGCGGTGAGACTTTC
<i>SOX2</i>	GCCGAGTGGAACTTTTGTCTG	GGCAGCGTGTACTTATCCTTCT
<i>HEY1</i>	GTTTCGGCTCTAGGTTCCATGT	CGTCGGCGCTTCTCAATTATTC
<i>ALDH1A2</i>	TTGCAGGGCGTCATCAAAC	AACTTCCAAATGGGTTTCATGTC
<i>CDK6</i>	CCAGATGGCTCTAACCTCAGT	AACTTCCACGAAAAAGAGGCTT

<i>IGFBP1</i>	GGCCATCGAGAATTGTTGCAG	CCAGGGATCAGGTGAGACTG
<i>SNAI2</i>	TGTGACAAGGAATATGTGAGCC	TGAGCCCTCAGATTTGACCTG
<i>SIX2</i>	AAGGCACACTACATCGAGGC	CACGCTGCGACTCTTTTCC
<i>ID4</i>	GGCCACTCAAGCAGCATTTG	TCTGGTTGCCTGGTTAGGAC
<i>MSX1</i>	GGGGCAGGGAAAACACAGAT	AGGGATGTTTGAGAGCCACAC
<i>FOXD3</i>	TCACGCACCAATTCTAACGC	CACGGCTTGCTTACTGAAGG
<i>OCT3/4</i>	GTGTTTCAGCCAAAAGACCATCT	GGCCTGCATGAGGGTTTCT
<i>FOCX1</i>	TGTTTCGAGTCACAGAGGATCG	ACAGTCGTAGACGAAAGCTCC
<i>KIT</i>	TTGTGATTTTGGTCTAGCCAGAGA	GTGCCATCCACTTCACAGGTAG
<i>RBI</i>	TTGGATCACAGCGATACAAACCTT	AGCGCACGCCAATAAAGACAT

* C= Constitutive variant

* NS= Neuro-specific variant

Supplementary Table 2: Antibodies

Antibody	Clone ID	Cat. No.	Supplier
E-Cadherin (WB)	H-108	sc-7870	Santa Cruz
E-Cadherin (IHC)	EP6	AC-0003	Epitomics
SYP	D-4	sc-17750	Santa Cruz
Vinculin	hVIN-1	V9131	Sigma Aldrich
Pan-Cytokeratin		Z0622	Dako
Ki-67	SP6	RM-9106	Thermo Fisher
c-PARP	Asp214	9541	Cell Signaling
SOX2 (WB)	D6D9	3579S	Cell Signaling
SOX2 (IHC)		NB110-37235	Novus Biologicals
Flag	M5	F4042	Sigma Aldrich

* WB= Western blot

* IHC = Immunohistochemistry