

Supplementary Table 1 Clinico-pathological characteristics of 20 PCa patients selected for immunohistochemical analysis of stromal markers.

Patient ID	Race	Age (years)	Pre-OP PSA	Gleason Score	Stage (TNM)
<i>PCa</i> ^{-AA1}	AA	48	4.93	6 (3+3)	pT2cN0MX
<i>PCa</i> ^{-AA2}	AA	52	6.84	7 (4+3)	pT2cN0MX
<i>PCa</i> ^{-AA3}	AA	67	6.73	7 (3+4)	pT2cN0MX
<i>PCa</i> ^{-AA4}	AA	60	4.55	6 (3+3)	pT2cN0MX
<i>PCa</i> ^{-AA5}	AA	56	4.46	7 (3+4)	pT3aN0MX
<i>PCa</i> ^{-AA6}	AA	66	5.51	7 (4+3)	pT2cN0MX
<i>PCa</i> ^{-AA7}	AA	64	5.55	7 (3+4)	pT2cN0MX
<i>PCa</i> ^{-AA8}	AA	54	5.89	7 (3+4)	pT2cN0MX
<i>PCa</i> ^{-AA9}	AA	58	4.96	7 (4+3)	pT3aN0MX
<i>PCa</i> ^{-AA10}	AA	65	6.60	7 (4+3)	pT2aN0MX
<i>PCa</i> ^{-EA1}	EA	62	2.59	6 (3+3)	pT2aN0MX
<i>PCa</i> ^{-EA2}	EA	65	5.90	7 (3+4)	pT2cN0MX
<i>PCa</i> ^{-EA3}	EA	61	2.50	6 (3+3)	pT2cN0MX
<i>PCa</i> ^{-EA4}	EA	61	3.94	6 (3+3)	pT2cN0MX
<i>PCa</i> ^{-EA5}	EA	66	6.85	7 (3+4)	pT3aN0MX
<i>PCa</i> ^{-EA6}	EA	61	5.70	7 (3+4)	pT2cN0MX
<i>PCa</i> ^{-EA7}	EA	62	3.67	6 (3+3)	pT2cN0MX
<i>PCa</i> ^{-EA8}	EA	62	4.33	7 (3+4)	pT2cN0MX
<i>PCa</i> ^{-EA9}	EA	67	7.58	7 (3+4)	pT2cN0MX
<i>PCa</i> ^{-EA10}	EA	72	5.04	7 (3+4)	pT2cN0MX

ID: patient identification; AA: African American; EA: European American; PSA: prostate specific antigen

Supplementary Table 2 Clinico-pathological characteristics of PCa patients selected for the isolation of prostate fibroblasts

Patient ID	Race	Age (Years)	Pre-OP PSA	Gleason Score	Stage (TNM)	High-grade P.I.N
<i>PrF^{AA1}</i>	AA	45	8.9	7 (3+4)	pT3aN1	Multifocal
<i>PrF^{AA2}</i>	AA	68	7	7 (4+3)	pT3aN0MX	Multifocal
<i>PrF^{AA3}</i>	AA	68	5.8	7 (3+4)	pT3aN1	Multifocal
<i>PrF^{AA4}</i>	AA	66	11.4	7 (4+3)	pT3aN0MX	Multifocal
<i>PrF^{AA5}</i>	AA	51	3.4	7 (4+3)	pT2cN0MX	Multifocal
<i>PrF^{EA1}</i>	EA	65	12.7	7 (4+3)	pT3bN0MX	Multifocal
<i>PrF^{EA2}</i>	EA	60	4.3	7 (3+4)	pT2cN0MX	Extensive
<i>PrF^{EA3}</i>	EA	57	7.1	7 (4+3)	pT3aN0	Multifocal
<i>PrF^{EA4}</i>	EA	56	4.7	7 (3+4)	pT3aN1	Multifocal
<i>PrF^{EA5}</i>	EA	68	1.7	9 (4+5)	pT3aN1MX	Multifocal

ID: patient identification; AA: African American; EA: European American; PSA: prostate specific antigen, P.I.N.: prostatic intraneoplasia

Supplementary Table 3. List of DEG between PrF^{-AA} and PrF^{-EA}

Gene Ensemble	Gene Symbol	PrF ^{-AA} vs. PrF ^{-EA} (Fold difference)	Adjusted PrF ^{-AA} vs. PrF ^{-EA} (BH FDR 0.05)
ENSG00000013563	DNASE1L1	5.00	2.96E-06
ENSG000000183214	MICA	3.38	0.03
ENSG000000151640	DPYSL4	2.46	0.03
ENSG000000137872	SEMA6D	2.37	0.03
ENSG000000203827	NBPF16	2.30	0.04
ENSG000000150625	GPM6A	2.21	0.03
ENSG000000156869	FRRS1	2.12	0.01
ENSG000000198444	F8A2	2.09	0.04
ENSG000000185990	F8A3	2.09	0.04
ENSG000000198794	SCAMP5	2.09	0.04
ENSG000000105705	SUGP1	1.93	0.01
ENSG000000131791	PRKAB2	1.86	0.04
ENSG000000154096	THY1	1.85	0.04
ENSG000000131788	PIAS3	1.78	0.01
ENSG000000119535	CSF3R	1.77	0.03
ENSG000000135914	HTR2B	1.73	0.03
ENSG000000257313	CR753846.2	1.72	0.04
ENSG000000007237	GAS7	1.65	0.04
ENSG000000169169	CPT1C	1.64	0.03
ENSG000000165171	WBSCR27	1.64	0.01
ENSG000000135454	B4GALNT1	1.63	0.03
ENSG000000111215	PRR4	1.62	0.03
ENSG000000223494	VAR2	1.62	0.01
ENSG000000121570	DPPA4	1.60	0.05
ENSG000000106733	NMRK1	1.53	0.04
ENSG000000089505	CMTM1	1.53	0.03
ENSG000000137942	FNBP1L	1.51	4.03E-03
ENSG000000138131	LOXL4	1.51	0.03
ENSG000000103260	METRN	1.51	0.02
ENSG000000185437	SH3BGR	1.51	0.05
ENSG000000163138	PACRGL	1.50	0.04
ENSG000000103024	NME3	1.50	0.02
ENSG000000224712	RP11-719K4.1	-1.52	0.05
ENSG000000102309	PIN4	-1.55	0.01
ENSG000000102287	GABRE	-1.55	0.04
ENSG000000147804	SLC39A4	-1.55	0.04
ENSG00000012061	ERCC1	-1.56	0.01
ENSG000000166387	PPFIBP2	-1.57	0.04
ENSG000000204371	EHMT2	-1.63	0.04
ENSG000000056661	PCGF2	-1.63	0.01

ENSG00000137819	PAQR5	-1.64	0.02
ENSG00000178982	EIF3K	-1.64	0.02
ENSG00000180875	GREM2	-1.68	0.03
ENSG00000178222	RNF212	-1.68	0.02
ENSG00000258372	ARL17A	-1.71	0.01
ENSG00000099998	GGT5	-1.73	0.03
ENSG00000151690	MFSD6	-1.78	0.01
ENSG00000130827	PLXNA3	-1.83	2.48E-03
ENSG00000110852	CLEC2B	-1.84	0.03
ENSG00000155816	FMN2	-1.86	0.03
ENSG00000135407	AVIL	-1.90	0.05
ENSG00000012504	NR1H4	-1.97	0.03
ENSG00000184374	COLEC10	-2.18	0.04
ENSG00000197932	F8A1	-2.23	0.03
ENSG00000133392	MYH11	-2.27	0.04
ENSG00000013619	MAMLD1	-2.29	0.05
ENSG00000148291	SURF2	-2.32	2.48E-03
ENSG00000198848	CES1	-2.37	0.02
ENSG00000106565	TMEM176B	-2.58	0.04
ENSG00000143028	SYPL2	-2.60	0.02
ENSG00000239927	RPP21	-2.90	0.03
ENSG00000148300	REXO4	-3.03	2.48E-03
ENSG00000175899	A2M	-4.28	0.01
ENSG00000204469	PRRC2A	-4.57	0.04
ENSG00000204389	HSPA1A	-5.59	0.04
ENSG00000155959	VBP1	-5.74	0.04
ENSG00000127377	CRYGN	-6.84	0.04
ENSG00000102178	UBL4A	-8.72	8.68E-06

DEG: Differentially Expressed Genes; BH: Benjamini-Hochberg correction; FDR: False Discovery Rate