

Table S1. Wound Healing Analysis.

Treatment	PC3		DU145	
	Absolute Migration (Average)	Graphic (C = 1)	Absolute Migration (Average)	Graphic (C = 1)
Exp 1				
C	47.41µm	1	146.51µm	1
miR-20a-5p	196.16µm	4.13	300.63µm	2.05
Exp 2				
C	69.92µm	1	88.32µm	1
miR-20a-5p	241µm	3.44	267.74µm	3.03
Exp 3				
C	27.83µm	1	155µm	1
miR-20a-5p	183.33µm	3.86	318.08µm	2.05

Wound Healing Analysis for PC3 and DU145 cell lines transfected with miR-20a-5p compared to controls (C=1). Both PC3 and DU145 cell line results showed, by Student t-test, significant migration ($p < 0.05$) compared to controls. Abbreviations: C = Control; Exp = experiment.

Table S2. Invasion Analysis.

Treatment	PC3		DU145	
	Invasion (Average)	Graphic (C=1)	Invasion (Average)	Graphic (C=1)
Exp 1				
C	856 cells	1	49 cells	1
miR-20a-5p	152 cells	0.17	370 cells	7.54
Exp 2				
C	854 cells	1	10 cells	1
miR-20a-5p	223 cells	0.26	92 cells	9.2
Exp 3				
C	596 cells	1	12 cells	1
miR-20a-5p	147 cells	0.24	101 cells	8.73

Invasion Analysis for PC3 and DU145 cell lines transfected with miR-20a-5p compared to controls (C=1). DU145 cell line results showed significant migration ($p < 0.05$, Student t-test) compared to controls. Abbreviations: C = Control; Exp = experiment.

Table S3. Clinicopathological variables predictive value for biochemical and clinical failure.

Characteristics	Patients		Biochemical failure (n = 200)		Clinical failure (n = 56)	
	n	%	5-year EFS (%)	p	10-year EFS (%)	p
Age				0.237		0.038
≤ 65	357	67	77		94	
> 65	178	33	70		91	
Preop PSA				<0.001		0.029
PSA < 10	308	58	81		95	
PSA > 10	221	41	68		89	
Missing	6	1				
ISUP Grade				<0.001		<0.001
1	183	34	83		98	
2	219	41	77		94	
3	81	15	70		90	
4	17	3	58		86	
5	35	7	37		65	
pT-stage				<0.001		<0.001
pT2	374	70	83		97	
pT3a	114	21	61		87	
pT3b	47	9	43		74	

pN-stage				<0.001	<0.001
NX	264	49	79		96
N0	268	50	72		90
N1	3	1	0		33
Tumor size				<0.001	0.002
0-20 mm	250	47	82		96
≥ 20 mm	285	53	68		90
Free margin				0.049	0.198
Yes	286	53	69		95
No	249	47	81		90
PCM				<0.001	<0.001
Yes	154	29	57		85
No	381	71	82		96
PAM				0.063	0.427
Yes	210	39	77		93
No	325	61	74		92
PNI				<0.001	<0.001
Yes	134	25	60		83
No	401	75	80		96
LVI				<0.001	<0.001
Yes	43	8	47		69
No	492	92	77		95
CAPRA-S Score				<0.001	<0.001
0-2	169	32	88		99
3-5	258	48	78		94
6-12	102	19	46		79
Missing	6	1			
Surgical proc				0.466	0.308
Retropubic	435	81	77		92
Perineal	100	19	67		95

Clinicopathological variables and patient characteristics, and their predictive value for biochemical and clinical failure.

(Univariate analysis; log-rank test, $n = 535$.) Significant p-values in bold. Abbreviations: EFS = event-free survival; ISUP Grade = ISUP Grade Groups; LVI = lympho-vascular infiltration; p = p-value; PAM = positive apical margin; PCM = positive circumferent margin; PNI = perineural infiltration; Preop = preoperative; PSA = prostate specific antigen; Surgical proc = Surgical procedure.

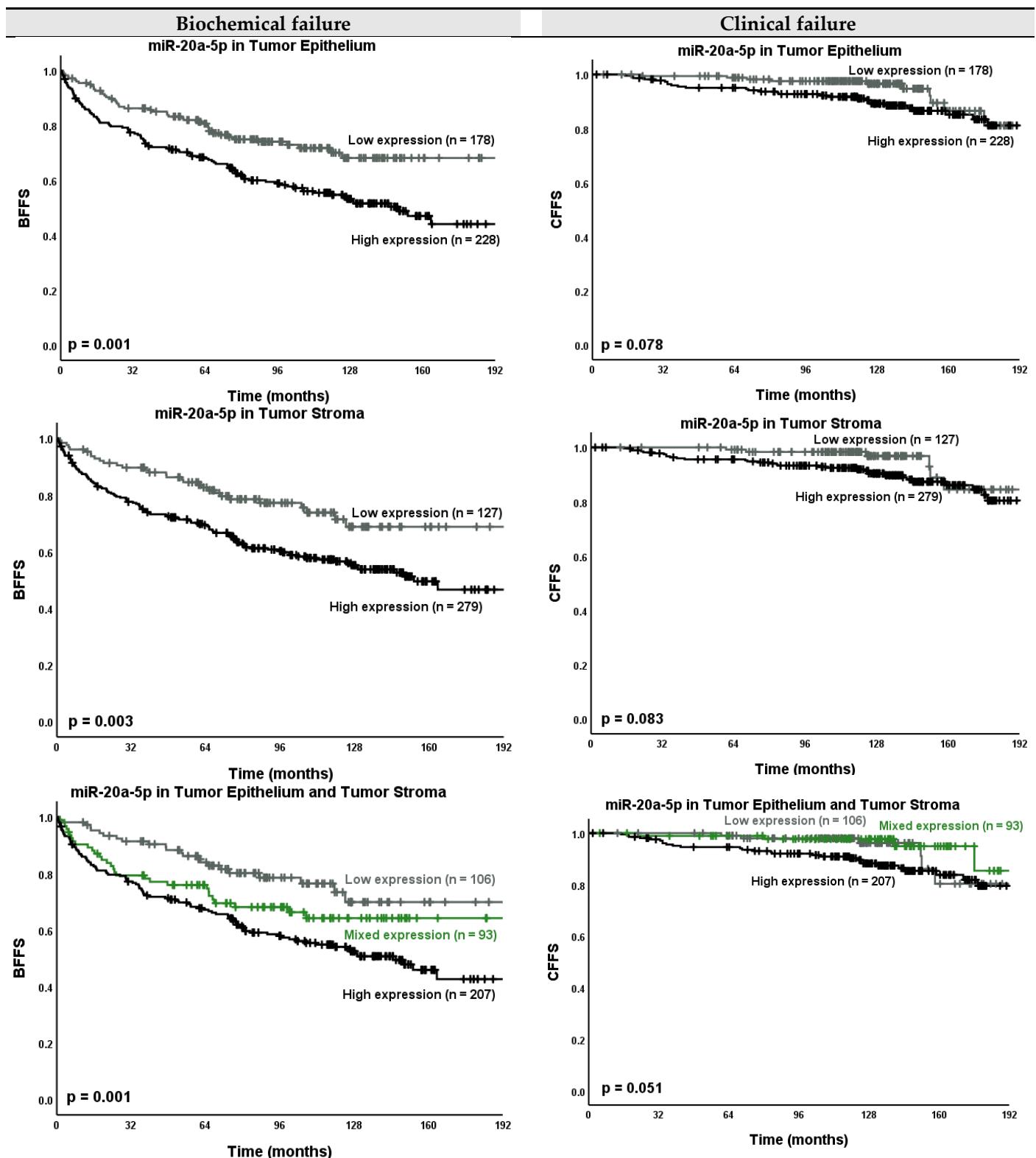


Figure S1. Kaplan-Meier survival curves presenting miR-20a-5p expression and biochemical- and clinical failure. Kaplan-Meier curves presenting the relations between low and high miR-20a-5p expression and the PCa outcomes; biochemical and clinical failure. Abbreviations: BFFS = biochemical failure-free survival; CFFS = clinical failure-free survival; p = p-value.