

Table S2A: Values for quantitation of percent ciliated CK5+ and CK5- epithelial/cancer cells in normal, PIN, cancer, and perineural.

Boxplot CK5+ epithelial/cancer cells						
	n (patients)	% cilia median	n (total nuclei)	Range nuclei/patient	Range cilia/patient	P-value
Normal	10	28.8	1624	58-418	20-85	n/a
PIN	24	25.2	2968	37-406	6-102	0.14
PIN LG	13	25.6	1448	20-319	12-100	n/a
PIN HG	18	25.6	1538	36-297	6-75	n/a
Ca	35	8.1	853	1-160	0-40	<0.0001
Ca LG	13	0	161	1-39	0-11	n/a
Ca HG	22	11.8	692	1-160	0-40	n/a
Peri	6	0	104	1-55	0	<0.0001
Average	18	15.6	1174	19-232	6-65	trend <0.0001
Boxplot CK5- epithelial/cancer cells						
Normal	10	2.9	4893	270-726	3-33	n/a
PIN	24	2.5	16438	250-1527	0-70	0.4
PIN LG	13	2.7	6864	250-1386	5-62	n/a
PIN HG	18	2.0	9574	229-1462	0-30	n/a
Ca	75	1.7	52024	112-1874	0-59	0.02
Ca LG	35	1.9	18812	207-1273	1-49	n/a
Ca HG	40	1.3	33212	112-1874	0-59	n/a
Peri	18	1.7	7978	120-1338	0-72	0.116
Average	29	2.1	18724	194-1433	1-54	trend= 0.049

Table S2B: Values for analysis of percent ciliated CK5+ and CK5- epithelial/cancer cells in normal, PIN, cancer, and perineural.

Bar graph CK5+ epithelial/cancer cells				
	Q1 n(patients)	Q1 % (patients)	Q4 n (patients)	Q4 % (patients)
Normal	2	20	2	20
PIN	15	62.5	3	12.5
PIN LG	7	53.9	2	15.4
PIN HG	11	61.1	3	16.7
Ca	29	82.9	2	5.7
Ca LG	11	84.6	1	7.7
Ca HG	18	81.8	1	4.5
Peri	6	100	0	0
Q1 ≤26.9%, Q4>33.6%				
Bar graph CK5- epithelial/cancer cells				
Normal	2	20	2	20
PIN	8	33.3	5	20.8
PIN LG	3	23.1	2	15.3
PIN HG	7	38.9	4	22.2
Ca	36	48	7	9.3
Ca LG	15	42.9	3	8.6
Ca HG	21	52.5	4	10
Peri	8	44.4	3	16.7
Q1 ≤1.5%, Q4>4.2%				