

Table S3A: Values for quantitation of percent ciliated stromal cells in normal, PIN, cancer, and perineural.

Boxplot Stromal cells						
	n (patients)	% cilia median	n (total nuclei)	Range nuclei/patient	Range cilia/patient	P-value
Normal	10	5.9	2625	170-424	3-52	n/a
PIN	24	5.8	6332	49-509	1-46	0.71
PIN LG	13	7.9	2686	26-509	0-46	n/a
PIN HG	18	4.4	3646	46-458	1-36	n/a
Ca	75	5.2	24177	28-918	0-76	0.21
Ca LG	35	6.2	8175	51-761	0-76	n/a
Ca HG	40	4.5	16002	28-918	0-70	n/a
Peri	18	5.0	5555	136-809	0-45	0.6
Average	29	5.6	8650	67-663	1-56	trend=0.32

Table S3B: Values for analysis of percent ciliated stromal cells in normal, PIN, cancer and perineural.

Bar graph Stromal cells				
	Q1 n(patients)	Q1 % (patients)	Q4 n (patients)	Q4 % (patients)
Normal	2	20	2	20
PIN	9	37.5	4	16.7
PIN LG	3	23.1	4	30.8
PIN HG	8	44.4	2	11.1
Ca	32	42.7	13	17.3
Ca LG	13	37.1	7	20
Ca HG	19	47.5	6	15
Peri	8	44.4	6	33.3
Q1 ≤4.2%, Q4 >8.9%				