

Supplementary Table 1. Association of PSA and IL-16 among Caucasian Controls

	Beta	robust SE	p-value	n
All	0.068	0.031	0.030	723
PSA < 4.0	0.061	0.038	0.110	686
PSA < 2.0	0.008	0.057	0.883	570
PSA < 4.0, IL-16 > 7.2	0.052	0.037	0.156	680
All, IL-16 > 7.2	0.056	0.030	0.061	717
No diabetes	0.069	0.034	0.045	646

Both PSA and IL-16 were natural log-transformed

All models adjusted for BMI, gonorrhea, and history of prostate inflammation.

Excluded one individual with BMI < 17, one individual with IL-16 > 2000

Supplementary Table 2. Association of serum IL-16 and risk of PCa among Caucasians.

	Tertile 1				Tertile 2 vs Tertile 1				Tertile 3 vs Tertile 1				Continuous ln(IL-16)		
	no. cases/ no. controls	OR	95% CI	p-value	no. cases/ no. controls	OR	95% CI	p-value	no. cases/ no. controls	OR	95% CI	p-value	OR	95% CI	p-value
Gleason ≤ 6	146/310	1.0	reference		138/324	1.00	0.75-1.34	1.00	128/308	0.92	0.68-1.24	0.58	0.99	0.84-1.18	0.915
Gleason 7	146/310	1.0	reference		118/324	1.10	0.80-1.51	0.55	143/308	1.37	1.01-1.87	0.045	1.27	1.07-1.52	0.009
Gleason ≥ 8	43/310	1.0	reference		50/324	1.09	0.69-1.72	0.72	54/308	1.47	0.93-2.32	0.10	1.13	0.87-1.47	0.369

p_{het} (continuous) = 0.0015