Table S3. Significance (P-value) of associations between univariate test variables and clinical risk stratifications.

Risk Factor Variable	D'Amico risk group	Clinical stage T1c vs. T2+	Higher prob NOC vs OC[#^]	Kattan 5yr Progression free[#]	Major Gleason
PCA3 SPINK1 TMPRSS2:ERG ERG AMACR		0.05 (T2+)			0.01 (high)
GOLPH2 TFF3			0.007 (NOC)		0.008 (high)

Risk Factor Variable	Biopsy high risk vs low risk[$]	Pathologic stage NOC vs. OC[^]	Max tumor diameter	# positive cores	% cores positive
PCA3 SPINK1 TMPRSS2:ERG ERG AMACR GOLPH2 TFF3	0.02 (high)				

 # Kattan preoperative nomograms
^ Non organ confined vs. organ confined
$ Novel risk group stratification. All Gleason 8+, stage T2 Gleason 7 tumors or tumors with Gleason 4 +3 (high risk) vs. all Gleason 6 tumors, any Gleason 7 tumors with clinical T1c stage or Gleason 3 +4 tumors (low risk).