

**Supplementary table 1.** Staging of the included patients

	Patients with diabetes	Patients without diabetes	p
pT 2a	12	13	0.1
pT 2b	0	0	
pT 2c	41	45	
pT 3a	11	13	
pT 3b	3	7	
pT 3c	1	0	
pT 4	4	0	
Lymph node metastasis	2/78	6/73	0.1
Distant metastasis	0/78	0/73	1.0

**Supplementary table 2.** Antidiabetic therapy in patients with diabetes

Drug class	
Insulin	15 %
Metformin	55 %
Sulfonylurea / repaglinid	17 %
DPP4 inhibitor	7 %
Alpha-glucosidase inhibitor	3 %

**Supplementary table 3.** Gene expression in patients with and without diabetes (tumor and no tumor combined).

	Patients without diabetes		Patients with diabetes		p
	mean	SD	mean	SD	
<i>AR</i>	0.612	0.327	0.722	0.887	0.672
<i>KLK3</i>	11.355	8.756	13.243	10.337	0.563
<i>FOLH1</i>	0.045	0.058	0.086	0.110	0.429
<i>MKI67</i>	0.015	0.012	0.019	0.022	0.103
<i>Cyp27A1</i>	0.131	0.109	0.086	0.059	0.098
<i>Cyp7B1</i>	0.164	0.076	0.139	0.059	0.323
<i>IR-A / IR-B ratio</i>	1.671	0.895	1.693	0.759	0.657
<i>IR-B / IGF1R ratio</i>	0.065	0.033	0.059	0.034	0.089
<i>ESR2</i>	0.0017	0.0017	0.0016	0.0014	0.972

Measurements were performed in duplicates. RNA content was normalized for the housekeeping gene *Ubiquitin C (UBC)* using the  $\Delta\Delta C_t$  method. Statistical comparisons were performed by multiple linear regression analyses of log-transformed values, adjusting for age and BMI.