

Figure W1. Generation and expression analysis of FGF-8b transgenic mice. (A) Genotyping PCR with primers specific for the transgene construct resulted in a 762-bp product from DNA samples from mice positive for the transgene (lanes 3, 5, 6, 7, and 9) and no product from WT mice (lanes 2, 4, and 8). Lane 10: negative control. (B) Analysis of *FGF-8b* expression by way of transgene-specific RT-PCR using tissues of a 3-month-old TG mouse (L4). *β-Actin* was used as an internal control for cDNA synthesis. DD indicates ductus deferens; Epi Cap, epididymis caput; Epi Cau, epididymis cauda; Epi corp, epididymis corpus; Epi IS, epididymis initial segment; SV, seminal vesicles. (C) Relative quantity of FGF-8b mRNA in VPs of WT mice and TG mice (3-5 and 12-16 months old) from different FGF-8b TG mouse lines (L2, L3, L4, and L5) studied by qRT-PCR. mo indicates months old.

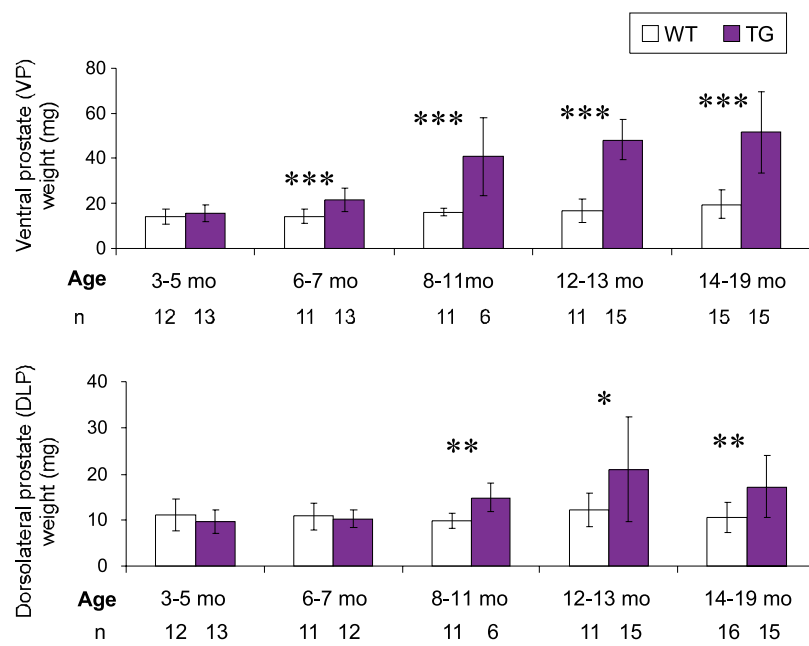


Figure W2. Weights of VP and DLP of FGF-8b-TG and WT mice in five age groups. The columns show mean \pm SD. One case with a very large carcinosarcoma tumor in the VP (weight, 3871 mg) has been excluded from the oldest (14- to 19-month-old) TG group for clarity. Statistical significance was assessed with the Student's *t* test (VP) or with the Mann-Whitney *U* test (DLP). ****P* < .001, ***P* < .01, **P* < .05. mo indicates months old.

Table W1. Frequencies of Histologic Changes in Prostate in Three Age Groups.

	3-6 months		7-11 months		12-21 months	
	WT (<i>n</i> = 15)	TG (<i>n</i> = 18)	WT (<i>n</i> = 12)	TG (<i>n</i> = 18)	WT (<i>n</i> = 15)	TG (<i>n</i> = 32)
Dilatation of glands	—	33	—	44	7	76
Mucinous metaplasia	—	17	8	38	20	42
Epithelial hypercellularity	31	61	8	75	20	74
Epithelial hyperplasia with atypia	—	11	—	38	—	53
mPIN	—	—	—	19	—	47
Adenocarcinoma	—	—	—	—	—	8
Inflammation*	13	17	25	50	13	58
Stromal hypercellularity	19	56	0	38	7	71
Stromal hypercellularity with atypia	—	—	—	6	—	32
Sarcoma [†]	—	—	—	—	—	16

*Includes all degrees of inflammation (score, 0-3).

[†]Includes carcinosarcomas.

Table W2. Predictive Ability for mPIN Lesions of Age-Adjusted Variables Studied by Logistic Regression Analysis.

Variable	<i>P</i>	OR (CI)
Mucinous metaplasia	<.001	10.93 (2.99-39.93)
Epithelial hyperplasia	.012	11.07 (1.04-91.78)
Stromal hypercellularity	<.001	8.60 (2.50-29.60)
Inflammation	<.001	12.26 (3.02-49.84)

P values, odds ratios (OR), and 95% confidence intervals (CI) are given.