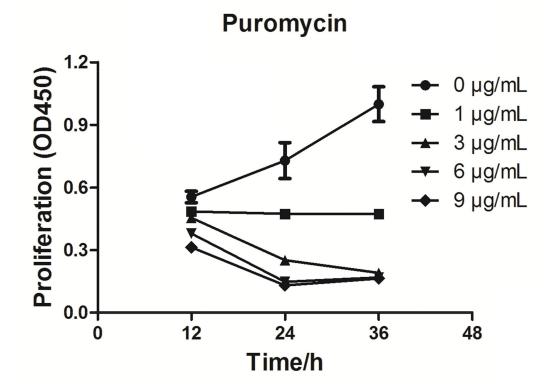
Identifying tumor promoting genomic alterations in tumorassociated fibroblasts via retrovirus-insertional mutagenesis

SUPPLEMENTARY MATERIALS



Supplementary Figure 1: Puromycin effectively inhibited proliferation of FB61 cells *in vitro*. FB61 tumor cell line $(5x10^3 \text{ per well})$ were cultured in a 96-well flat bottom plate in the presence of increasing puromycin concentration indicated. Cell proliferation was assessed by CCK-8 assay. Mean \pm SEM of triplicate determination; data are representative of two independent experiments.

Supplementary Table 1: Stromal tissue sources from published data sets used for comparison to tumor-associated candidate genes in TAFs as identified by within this study

ID	Orgon	Tumor Tuno	#samples			
	Organ	Tumor Type	Tumor stroma	Normal stroma		
GSE40595	Ovary	Ovarian cancer	31	8		
GSE38666	Ovary	Ovarian cancer	7	8		
GSE45001	Bile duct	Intrahepatic cholangiocarcinoma	10	10		
GSE26910	Breast	Invasive primary breast cancer	6	6		
GSE26910	Prostate	Primary prostate cancer	6	6		

Variable	В	SE	Wald	df	Sig.	Exp(B)	95.0% CI for Exp(B)	
							Lower	Upper
Group (by <i>TTL</i> mRNA level) *	-2.685	.430	38.944	1	<0.001	.068	.029	.159
sex	604	.306	3.901	1	.048	.547	.300	.995
age	005	.010	.214	1	.644	.995	.976	1.015
alcohol intake	.620	.350	3.128	1	.077	1.859	.935	3.694
infection	235	.354	.439	1	.508	.791	.395	1.583
inflammation	.118	.328	.128	1	.720	1.125	.591	2.140
tumor stage	1.271	.403	9.948	1	.002	3.564	1.618	7.850
tumor diameter	021	.039	.301	1	.583	.979	.906	1.057

Supplementary	Table 2: Multivariate surviva	l analysis of the colon tumo	r patients after surgery (n=77)
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* The patients were grouped into TTL^{high} and TTL^{low} based on the relative *TTL* mRNA levels within the tumor.

	Ν	Tumoral <i>TTL</i> *	P value	
Total	77			
Sex				
Male	41	1.03 ± 0.16	0.08	
Female	36	1.93 ± 0.29		
Ages (yr)				
< 60	39	1.85 ± 0.31	0.75	
≥ 60	38	1.72 ± 0.31		
TNM stages				
Tumor diameter				
< 10 mm	31	1.61 ± 0.31	0.83	
≥ 10 mm	46	1.75 ± 0.42		
Tumor stage				
Τ2	19	1.34 ± 0.31	0.0001	
Т3	42	2.28 ± 0.32		
T4	16	0.87 ± 0.31		
Node involvement				
N0	60	1.68 ± 0.24	0.44	
N1	17	2.04 ± 0.45		
Metastasis				
M0	52	1.92 ± 0.25	0.21	
M1	25	1.23 ± 0.33		
Bowel inflammation				
Yes	28	1.52 ± 0.33	0.36	
No	49	1.93 ± 0.28		

Supplementary Table 3: Correlation of *TTL* mRNA levels in colon tumor tissues from colon cancer patients grouped along patient characteristics

* Relative human TTL expression is shown as TTL/GAPDH.

[†] Statistics: Tumor stage, one-way ANOVA; others, Student's *t* test.

Variable	В	SE	Wald	df	Sig.	Exp(B)	95.0% CI for Exp(B)	
		SE					Lower	Upper
group*	448	.556	.648	1	.421	.639	.215	1.901
sex	.570	.905	.397	1	.528	1.769	.300	10.424
age	008	.029	.084	1	.772	.992	.936	1.050
alcohol intake	.649	.583	1.239	1	.266	1.914	.610	6.004
tumor stage	.109	.705	.024	1	.877	1.115	.280	4.437
tumor diameter	.018	.120	.023	1	.880	1.018	.805	1.289
liver fibrosis	.608	1.138	.285	1	.593	1.837	.197	17.094

* The patients were grouped into TTL^{high} and TTL^{low} based on the relative *TTL* mRNA-levels within the tumor.