

Additional file 18: Table S12 Derivation and detailed analysis of pinnal-tumor derived (PTD) cell lines and rescued derivatives

Mouse tag number	Genotype of original mouse with pinnal tumor	Derivation	PTD cell line	Achorage-independent growth in soft agar	Invasive growth (fold increase perimeter at 92h)*	Allograft from 2.5 x 10 ⁶ cells (days to reach 1 cm ³)	Allograft from 1 x 10 ⁶ cells (days to reach 1 cm ³)	Allograft from 1 x 10 ⁵ cells (days to reach 1 cm ³)	Allograft from 1 x 10 ⁴ cells (days to reach 1 cm ³)	Allograft from 1 x 10 ³ cells (days to reach 1 cm ³)
9034	GFAP-Cre ^{tg/+} ;Pcdh10all ^{fl/fl} ;p53 ^{fl/fl} ;Rb ^{fl/fl}	parental population	PTD4	++	4.29	18.0	n.d.	n.d.	n.d.	n.d.
~	~	subclone	PTD8	++	4.87	23.5	n.d.	n.d.	n.d.	n.d.
~	~	subclone	PTD7	++	3.77	19.5	23.7-24.9	29.5-32.9	> 35	n.d.
~	PTD7 rescued with Pcdh10 short isoform	transduced and FACS sorted	PTD7_RS	neg.	1.50	n.d.	29.0	36.6	n.d.	n.d.
~	PTD7 rescued with Pcdh10 long isoform	transduced and FACS sorted	PTD7_RL	neg.	1.50	n.d.	32.7	36.2	n.d.	n.d.
8822	GFAP-Cre ^{tg/+} ;Pcdh10all ^{fl/fl} ;p53 ^{fl/fl} ;Rb ^{+/+}	subclone	PTD11	neg.	2.69	31.8	36.7	38.5	40.0	n.d.
~	~	subclone	PTD12	neg.	2.90	50.0	n.d.	n.d.	n.d.	n.d.
~	~	PTD12 allograft derivation	PTD12AD4	n.d.	n.d.	n.d.	23.7	n.d.	n.d.	n.d.
9135	GFAP-Cre ^{tg/+} ;Pcdh10all ^{fl/fl} ;p53 ^{fl/fl} ;Rb ^{+/+}	subclone	PTD17	neg.	n.d.	22.6	n.d.	n.d.	n.d.	n.d.
~	~	subclone	PTD19	neg.	n.d.	27.0	31.0	38.4	41.2	n.d.
1729	GFAP-Cre ^{tg/+} ;Pcdh10all ^{fl/fl} ;p53 ^{fl/fl} ;Rb ^{fl/fl}	subclone	PTD24	++	n.d.	10.0	n.d.	n.d.	n.d.	n.d.
~	~	subclone	PTD25	+++	3.81	12.7	n.d.	17.5-20.8	24.9-28.0	27.5
~	PTD25 rescued with Pcdh10 short isoform	transduced and FACS sorted	PTD25_RS	neg.	0.95	n.d.	n.d.	no tumor	no tumor	n.d.
~	PTD25 rescued with Pcdh10 long isoform	transduced and FACS sorted	PTD25_RL	neg.	0.64	n.d.	n.d.	34.0	39.4	n.d.
9988	GFAP-Cre ^{tg/+} ;Pcdh10all ^{fl/fl} ;p53 ^{fl/fl} ;Rb ^{fl/+}	subclone	PTD26	n.d.	3.24	23.5	n.d.	n.d.	n.d.	n.d.
~	~	subclone	PTD27	n.d.	2.21	19.5	n.d.	n.d.	n.d.	n.d.
n.a.	n.a. (human osteosarcoma cell line)	Negative control cell line	HOS	neg.	n.d.	no tumor	n.d.	n.d.	n.d.	n.d.
n.a.	n.a. (human breast cancer cell line)	Negative control cell line	T47D	n.d.	1.20	n.d.	n.d.	n.d.	n.d.	n.d.
n.a.	n.a. (chemically transformed HOS cell line)	Positive control cell line	MNNG-HOS	+++	4.78	23.4	n.d.	n.d.	n.d.	n.d.

* Fold increase in perimeter containing ~ 90 % invasive cells; in vitro outgrowth at 92 h after seeding spheroids in 3-dimensional matrix of collagen (1 mg/ml).