

Supplementary Table 2. Immunohistochemical phenotype in mouse pancreas cyst lesions

No	RCAS	ID	TVA	Cyst epithelium *																
				ER	PR	αSMA	Pdx-1	Hes1	Wnt1	FZD1	FZD3	FZD4	FZD6	β-catenin	Axin2	p-JNK	p-Rock2	p-Smad2	Smad4	NFATc1
1	Wnt1	857#1	+	-	-	-	+	+	+	±	+, f	-	±	+, m	+	+, f	-	+, f	+, n/c	-
2	Wnt1	892#4	+	-	-	-	+	+	+	±	+, f	-	±	+, m	+, f	+	-	+, f	+, n/c	-
3	Wnt1	962#3	+	-	-	-	+	+	+	±	+, f	-	±	+, m	+	+	-	+, f	+, n/c	-
4	Wnt1	893#3	+	-	-	-	+	+	+	±	+, f	-	-	+, m	±, f	+, f	-	-	+, n/c	-
5	Wnt1	910#2	+	-	-	-	+	+	+	+, f	+, f	-	+, f	+, m	±	+, f	-	+, f	+, n/c	-
6	Wnt1	1045#1	+	-	-	-	+	+	+	±	+, f	-	±	+, m	±, f	+, f	-	+, f	+, n/c	-
7	Wnt1	1045#3	+	-	-	-	+	+	+	+, f	+, f	-	±	+, m	+	+	-	+, f	+, n/c	-
8	Wnt1	857#3	+	-	-	-	+	+	+	±	+, f	-	+, f	+, m	+	+	-	+, f	+, n/c	-
9	Wnt1	911#2	-	-	-	-	+	NP	+	+, f	+, f	-	±	+, m	NP	+	-	+	NP	-
10	β-catenin	896#2	+	-	-	-	+	NP	±, f	±	+, f	-	±	+, m	NP	+, f	-	+, f	NP	-
11	GFP	979#1	+	-	-	-	+	NP	±	±	+, f	-	-	+, m	NP	+	-	+	NP	-
12	GFP	547#3	+	-	-	-	+	NP	±	±	+, f	-	-	+, m	NP	-	-	+, f	NP	-
13	GFP	1000#2	+	-	-	-	+	NP	+	±	+, f	-	±	+, m	NP	+, f	-	+, f	NP	-

No	RCAS	ID	TVA	Ovarian-like stroma *																
				ER	PR	αSMA	Pdx-1	Hes1	Wnt1	FZD1	FZD3	FZD4	FZD6	β-catenin	Axin2	p-JNK	p-Rock2	p-Smad2	Smad4	NFATc1
1	Wnt1	857#1	+	+	-	+	-	+	±	+, f	+	-	-	+, f, n	±, f	+	+, f	+	+, n/c	-
2	Wnt1	892#4	+	+	-	+	-	+	±	±	+	-	-	+, f, n	±, f	+	+, f	+	+, n/c, f	-
3	Wnt1	962#3	+	+	+	+	-	+	±	+, f	+	-	±	+, f, n	±, f	+	+, f	+	+, n/c	-
4	Wnt1	893#3	+	+, f	-	+, f	-	+	±	±	+	-	-	±, f, n	±, f	+	+, f	+, f	+, n/c	-
5	Wnt1	910#2	+	+	-	+	-	+	±	+, f	+	-	-	+, f, n	+, f	+	+, f	+	+, n/c	-
6	Wnt1	1045#1	+	+	+	+	-	+	±	±	+	-	+, f	+, n	+, f	+	+, f	+	+, n/c	-
7	Wnt1	1045#3	+	+	+	+	-	+	±	+, f	+	-	+, f	+, f, n	+, f	+	+, f	+	+, n/c	-
8	Wnt1	857#3	+	+	+	+	-	+	±	+, f	+	±	+, f	+, n	±, f	+	+, f	+	+, n/c	-
9	Wnt1	911#2	-	+	+	+	-	NP	±	+, f	+	±	+, f	+, f, n	NP	+	+, f	+	NP	-
10	β-catenin	896#2	+	-	-	-	-	NP	-	±	+	-	-	-	NP	±	-	+, f	NP	-
11	GFP	979#1	+	+	-	+	-	NP	-	±	±	-	-	+, f, n	NP	+	±	+	NP	-
12	GFP	547#3	+	-	-	-	-	NP	-	±	±	-	-	-	NP	-	-	+, f	NP	-
13	GFP	1000#2	+	+	+	+	-	NP	±	+, f	+	±	±	+, f, n	NP	+	+, f	+	NP	-

* ER, estrogen receptor; PR, progesterone receptor; αSMA, alpha smooth muscle actin; FZD, Frizzled; m, membranous; c, cytoplasmic; n, nuclear; f, focal immunoreactivities; ND, not determined; NP, not performed

**, including incidental pancreatic ductal adenocarcinoma (PDAC)