

Additional file 2- Additional Tables

Table S1. Oligonucleotides and experimental conditions used for quantitative MSP (qMSP), DNA pyrosequencing, microfluidic chip-electrophoretic separation (RT-PCR) and quantitative RT-PCR (qRT-PCR).

	Oligonucleotide (5'-3')*	Annealing (°C)	MgCl ₂ [^] (mM)	PCR [#] product
qMSP				
<i>RASSF1A</i>	F-GCGTTGAAGTCGGGGTTC R-CCCGTACTTCGCTAACTTTAAACG P: FAM-ACAAACGCGAACCGAACGAAACCA-TAMRA	66	2.5	74
<i>MYOD1</i>	F-CCAACTCCAAATCCCCTCTCTAT R-TGATTAATTTAGATTGGGTTTAGAGAAGGA P: FAM-TCCCTTCCTATTCTTAAATCCAACCTAAATACCTCC-TAMRA	66	2.5	110
Pyrosequencing				
<i>RASSF1A</i> , promoter	F-GGATTAGGAGGGTTAGGGT R-CTCCCCCAAATCCAAAC S-TAAAGTTGGTTTTTAGAAAT	62	1.5	288
<i>RASSF1A</i> , first exon (A)	F-AGTTTGGATTTTGGGGGAGG R-CAACTCAATAAACTCAAACCTCCCC S-GGGTTAGTTTTGTGGTTT	62	1.5	136
<i>RASSF1A</i> , first exon (B)	F-GACGGGACACCGCTGATCGTTTAGGGTTATGTYGGG F-GGGACACCGCTGATCGTTTA R-CCACRACCAAAAACCAACTAC S-AACTACCRTATAAAAATTACA	57	1.5	180
<i>RASSF1A</i> , first exon (C)	F-GGGAGTTTGAGTTTA R-CACTACAAACCTTTACA S-TGTAATTTTATAGGGTAGTT	57	1.5	238
<i>RASSF1A</i> , antisense strand	F-GGGTTGGAAGAGGTGGTTA R-CCTACACCCAAATTTCCATT S-TGGTTAAGGTCAGGGAT	62	1.5	326
<i>RASSF1C</i> , promoter	F-TTGTGGTAGGTGGGGTTTGT R-CCCAAATCTAACTCTTATCTCATTA S-TGGGGTTTGTGAGTGGA	58	1.5	118
<i>RASSF1C</i> , first exon	F-TTTTGTTTTAATGAGATAAGAGTTAGA R-AATCCTCTTAACCTACAATAACCACTAC S-TTAAATGAGATAAGAGTTAGAT	58	1.5	256
RT-PCR				
<i>RASSF1A,D,E,F</i>	F-GCGTCGTGCGCAAAGG R-TGCTGTTGATCTGGGCATTG	59	2	229,241 (D/E), 118
<i>RASSF1G</i>	F-AAGGCCTGCAGTGCGC R-GCTGGAGGGCACAGAGACAG	60	2	94
qRT-PCR				
<i>RASSF1A</i>	F-CTTGCTAGCGCCCAAAGC R-CAGCTCCCGCAGCTCAAT	60	U	82
<i>RASSF1B</i>	F-GCCCAGGTGGCCAACAT R-CGCGGCAGCGGTAGTG	60	U	73
<i>RASSF1C</i>	F-TTCACCGCGCGAACCT R-TGATCTTCTGCTCAATCTCAGCTT	60	U	106
<i>RPLPO</i>	F-ACATGTTGCTGGCCAATAAGGT R-CCTAAAGCCTGGAAGGAGG	60	U	127

* F: forward; R: reverse; S: sequencing; P: probe

[^] U: unknown

[#] base pair

Table S2. Relative *RASSF1A* and *RASSF1C* expression in 13 matched PET and normal pancreas.

Cases*	Relative <i>RASSF1A</i> expression	Standard deviation	<i>P</i> value [^]	Relative <i>RASSF1C</i> expression	Standard deviation	<i>P</i> value [^]
N3	0.75	0.20	<0.05	0.21	0.06	<0.05
T3	0.44	0.06		0.90	0.04	
N5	2.20	0.10	<0.05	0.14	0.30	<0.05
T5	0.45	0.03		4.20	0.09	
N6	2.61	0.14	<0.05	0.11	0.04	<0.05
T6	0.63	0.09		1.10	0.09	
N7	0.46	0.09	<0.05	0.27	0.20	<0.05
T7	0.17	0.10		1.20	0.10	
N8	0.60	0.06	<0.05	0.14	0.05	<0.05
T8	0.26	0.08		4.42	0.08	
N9	1.57	0.22	<0.05	4.81	0.06	<0.05
T9	11.87	0.02		15.43	0.02	
N10	0.31	0.10	<0.05	0.50	0.02	<0.05
T10	0.05	0.04		0.20	0.10	
N11	3.60	0.09	<0.05	0.59	0.04	<0.05
T11	0.50	0.20		1.57	0.07	
N12	0.90	0.15	<0.05	0.72	0.07	<0.05
T12	0.20	0.05		0.49	0.04	
N13	0.90	0.06	<0.05	0.44	0.09	<0.05
T13	0.22	0.06		3.26	0.04	
N14	0.74	0.09	n.s.	0.06	0.03	<0.05
T14	0.68	0.02		3.01	0.09	
N15	9.30	0.10	<0.05	1.13	0.10	<0.05
T15	0.30	0.02		2.66	0.04	
N20	2.30	0.18	<0.05	0.73	0.06	<0.05
T20	0.10	0.04		1.54	0.10	

* N=normal pancreas, T=PET , [^] *t*-test. *P* value refers to the comparison N/T in matched samples.

n.s.=not significant