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Supplemental information

**Arl4c promotes the growth
and drug resistance of pancreatic cancer
by regulating tumor-stromal interactions**

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Table S1: The relationship between expression of Arl4c and clinical pathological features in pancreatic cancer, Related to Figure 7.

	Samples (n)	Arl4c expression n (%)				P value [◇]
		None	Weak	Moderate	Strong	
sex						0.9019
Male	33	3 (5.77)	8 (15.38)	14(26.92)	8 (15.38)	
Female	19	3 (5.77)	4 (7.69)	8 (15.38)	4 (7.69)	
Age						0.56456
<55	28	4 (7.69)	8 (15.38)	11(21.15)	5 (9.6)	
>55	24	2 (3.85)	4 (7.69)	11(21.15)	7 (13.46)	
Histological grade						0.26321
Well	9	3 (5.77)	2 (3.85)	3 (5.77)	1 (1.92)	
Moderate	33	2 (3.85)	8 (15.38)	13 (25%)	10(19.23)	
Poor	10	1 (1.92)	2 (3.85)	6 (11.54)	1 (1.92)	
TNM stage (AJCC)						0.01615*
I	2	1 (1.92)	1 (1.92)	0 (0)	0 (0)	
II	39	5 (9.6)	11 (21.15)	18(34.62)	5 (9.6)	
III	6	0 (0)	0 (0)	3 (5.77)	3 (5.77)	
IV	5	0 (0)	0 (0)	1 (1.92)	4 (7.69)	
pT status						0.21467
T1	3	2 (3.85)	1 (1.92)	0 (0)	0 (0)	
T2	35	3 (5.77)	7	16(30.77)	9 (17.31)	
T3	7	0 (0)	2 (3.85)	3 (5.77)	2 (3.85)	
T4	7	1 (1.92)	2 (3.85)	3 (5.77)	1 (1.92)	
pN status						0.67789
NO	42	4 (7.69)	9 (17.31)	19(36.54)	10(19.23)	
N1	10	2 (3.85)	3 (5.77)	3 (5.77)	2 (3.85)	
pM status						0.00995*
M0	45	6 (11.54)	12 (23.08)	20(38.46)	7 (13.46)	
M1	7	0 (0)	0 (0)	2 (3.85)	5 (9.6)	

[◇] χ^2 test. *, $P < 0.05$.

Table S2: Primers sequences for real-time PCR analysis, Related to STAR Methods.

Genes	Primer Sequences
YAP	Forward:5'-TCCCAGATGAACGTCACAGC-3' Reverse: 5'-TCATGGCAAAACGAGGGTCA-3'
shh	Forward:5'- GCGACTTCCTCACTTTCCTG -3' Reverse: 5'- CCGGTTGATGAGAATGGTG -3'
VEGF	Forward:5'- AAGCCAGCACATAGGAGAGATGA-3' Reverse: 5'- TCTTTCTTTGGTCTGCATTCACA-3'
PDGF	Forward:5'- CCCCTGCCCATTCGGAGGAAGAG-3' Reverse: 5'- TTGGCCACCTTGACGCTGCGGTG -3'
TGF β 1	Forward:5'- CCCAGCATCTGCAAAGCTC-3' Reverse: 5'- GTCAATGTACAGCTGCCGCA-3'
CTGF	Forward:5'-CTTTGGCCCAGACCCAACTA-3' Reverse: 5'-GGCTCTGCTTCTCTAGCCTG-3'
β -ACTIN	Forward:5'- AGCGAGTATCCCCCAAAGTT -3' Reverse: 5'- GGGCACGAAGGCTCATCATT -3'