Plasma-derived exosomal long noncoding RNAs of pancreatic cancer patients as novel blood-based biomarkers of disease

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Running Title: Exosomal lncRNAs in plasma as novel biomarkers of PDAC

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1.1. Supplementary Table S1. Clinical characteristics of 78 PaCa.

Characteristic	No. of case (n=78)
Age (year)	
⩽50	7
51-60	16
61-70	35
>70	20
Sex	
Male	48
Famale	30
Stage	
Localized	17
Locally advanced	27
Metastatic	34

1.2. Supplementary Table S2. The sequence of primers of four lncRNAs for qRT-PCR in PaCa.

Name of lncRNAs	Sequence of Primers (5'-3')
LINC01268-F	CGGAGATGGCGGTGAGTATAG
LINC01268-R	TTTGCTGGGATGAGAAGGTCC
LINC02802-F	TGGCAGACCCGCAGAGATGA
LINC02802-R	CCCCAGTGACAGTGCAGAAAAAG
AC124854.1-F	GAAGCCAAGCAAAGCAACAT
AC124854.1-R	CCCAAACACTTAAACGCCAA
AL132657.1-F	ACTGAGTGGTGGAAAGGGGG
AL132657.1-R	AGGGGTGGTCATGCGAGATC
18S-F	GTAACCCGTTGAACCCCATT
18S-R	CCATCCAATCGGTAGTAGCG

F, forward primer; R, reverse primer.

1.3. Supplementary Table S3. Raw data of clinical features of 78 PaCa patients.

Sample ID	Gender （female=0，male=1）	Age (years)	Diameter of tumor (cm)	Tumor stage	KI67(%)	CA19-9 (U/mL)	CA125 (U/mL)
1	0	72	3	III	20	1165	21.5
2	1	69	5	II	15	571	14.7
3	1	74	2.5	II	30	757	25.9
4	0	65	2.8	I	12	239.3	23.6
5	0	53	8	II	10	46.1	11.6
6	0	49	4	IV	40	205	20.7
7	1	39	5	III	10	29.53	21.9
8	1	60	3.5	III	20	14.6	12.69
9	1	72	2.5	III	20	698.6	21.4
10	1	59	5	II	50	14.4	21.08
11	1	68	4	IV	5	940.7	10.64
12	1	57	2.5	III	15	90.3	72.14
13	1	69	5.5	II	20	57.9	14.2
14	0	69	3	II	60	370.5	10.7
15	0	61	4	I	20	9.77	5.2
16	0	79	6	II	12	73.2	10.45
17	1	53	5	II	30	46.06	10.55
18	0	69	4	II	3	199	14.92
19	0	61	5	II	50	259.6	7.88
20	1	39	5	II	10	153.8	32.1
21	1	69	2.2	I	60	346.8	11.97
22	0	55	3	III	15	907	53.88
23	1	74	3	I	2	2	7.4
24	1	70	2.5	I	10	160.3	45.31
25	1	62	5	IV	15	1115	27.56
26	1	64	6	II	50	156.9	73.24
27	1	59	3	I	70	99.9	9.67
28	0	63	5	II	10	135	17.5
29	1	52	2	II	20	250.07	24.1
30	1	82	2.5	I	30	455	13.52
31	1	68	4	IV	60	1456	40.2
32	0	68	2.5	II	40	371	14
33	1	61	2.6	II	8	17.3	17.53
34	1	76	3.5	II	50	109.7	6.83
35	1	61	4.5	II	30	867	20.5
36	1	62	5.5	II	20	111	9.4
37	1	69	10.5	IV	40	440.56	70.12
38	1	56	7	III	20	1600	40.1
39	1	79	3.5	II	20	0.67	13.4
40	0	64	2.3	I	6	0.6	19.2

41	0	31	3	I	1	6.01	8.19
42	0	78	2.5	II	40	52.1	8.33
43	1	70	6	II	70	356.3	31.36
44	1	72	2	IV	50	1812	108
45	0	65	3.5	II	95	11.5	19.5
46	0	65	4	II	50	11	13.4
47	0	73	4	II	70	560	20.3
48	1	72	5	II	60	4.91	9.1
49	0	45	4.5	I	1	57.71	4.9
50	0	51	5	II	60	41.9	10.1
51	0	70	6	II	40	163	23.7
52	1	53	3	II	30	863.2	17.13
53	1	61	3	I	1	8.22	146
54	0	79	2.5	II	15	596	16
55	0	82	2.3	II	50	252	14.6
56	0	79	3	II	4	1886	39.94
57	1	63	3.5	II	30	867	20.5
58	0	61	1.2	II	30	1728	14.25
59	1	65	4	II	50	123.3	25.18
60	0	59	4	II	60	218	15.3
61	1	66	1.6	II	30	1190	18.2
62	1	65	4	I	12	339.8	34.22
63	1	54	3	I	50	2	5
64	0	60	4	III	15	276	22.3
65	1	73	3	I	15	233.1	19.15
66	0	70	1.8	I	3	320.6	14
67	1	64	4	I	1	6.07	19.9
68	1	67	4	I	20	292.5	11.29
69	1	57	2.5	III	7	815.8	7.54
70	0	61	2.5	III	15	704.7	8.14
71	0	74	3.5	II	25	930.7	20.5
72	1	76	3.5	II	20	7.65	118.4
73	1	77	3	III	15	198.3	9.41
74	1	66	3	II	5	1551	53.2
75	1	56	2.5	III	10	38.9	21.9
76	1	50	5	II	40	2	44
77	1	47	2	III	8	2	21.4
78	1	81	4.5	II	2	32.2	17.56