

Table SI. Basic information about enrolled datasets.

Datasets ID	Sample size		Sex		Age	miR-320a-3p Relative expression Mean $\pm$ standard deviation	
	PF	Normal	Male	Female	Mean $\pm$ standard deviation	PF	Normal
GSE 21394 (GEO)							
E-GEOD-21394 (ArrayExpress)	6	19	Unavailable	Unavailable	Unavailable	8.2806 $\pm$ 0.9192	9.8422 $\pm$ 1.2650
GSE 32538 (GEO)							
E-GEOD-32538 (ArrayExpress)	142	50	111	81	57.01 $\pm$ 14.67	8.3056 $\pm$ 0.6272	8.7725 $\pm$ 0.4788
GSE 27430 (GEO)							
E-GEOD-27430 (ArrayExpress)	13	12	15	5*	Unavilable	0.0292 $\pm$ 0.7311	0.0001 $\pm$ 0.6437

In GSE 27430/E-GEOD-27430, 5 cases did not contain information on sex. miR, microRNA; GEO, gene expression Omnibus; PF, Pulmonary fibrosis.

Table SII. Information on patients.

Patients (number)	Group	Age (years)	Sex	Relative miR-320a-3p expression ($2^{-\Delta\Delta C_q}$)	Diagnosis
1	PF	78	Female	0.482581	UIP/IPF
2	PF	70	Male	1.020177	UIP/IPF
3	PF	54	Female	0.45195	CTD-ILD
4	PF	64	Female	0.481574	CTD-ILD
5	PF	67	Female	0.745161	CTD-ILD
6	PF	74	Male	0.741307	UIP/IPF
7	PF	57	Male	0.53443	COP
8	PF	61	Female	0.410593	NSIP
9	PF	39	Female	4.990269	UIP/IPF
10	PF	62	Male	0.652165	NSIP
11	PF	45	Female	0.468715	UIP/IPF
12	PF	55	Female	0.611717	NSIP
13	Normal	76	Female	0.377957	Lung cancer
14	Normal	51	Male	1.24488	Lung cancer
15	Normal	51	Female	13.61036	Lung cancer
16	Normal	63	Female	5.553926	Lung cancer
17	Normal	62	Male	2.998976	Lung cancer
18	Normal	58	Female	4.423995	Lung cancer
19	Normal	47	Male	6.57064	Lung cancer
20	Normal	50	Female	2.898347	Lung cancer
21	Normal	48	Female	8.159828	Lung cancer
22	Normal	49	Male	1.040979	Lung cancer
23	Normal	55	Male	1.15152	Lung cancer
24	Normal	52	Female	2.124412	Lung cancer
25	Normal	77	Male	0.393642	Lung cancer
26	Normal	49	Male	1.452	Lung cancer
27	Normal	55	Female	4.959354	Lung cancer
28	Normal	47	Female	0.809919	Lung cancer
29	Normal	53	Female	0.582109	Lung cancer

PF, Pulmonary fibrosis; UIP/IPF, usual interstitial pneumonia/idiopathic pulmonary fibrosis; COP, cryptogenic organic pneumonia; NSIP, nonspecific interstitial pneumonia; CTD-ILD, connective tissue disease-associated interstitial lung disease.