Table SI. Patient characteristics.

Characteristics	IPF (n=4)
Age, years	63 (56-73)
Sex	
Male	4
Female	0
Modified Medical Research Council breathlessness scale (Grade)	1.6 (0-3.0)
1-year mMRC breathlessness scale (Grade)	1.8 (0-3.0)
FVC, l	1.86 (0.83-2.32)

FVC, forced vital capacities.

Table SII. miRNA primers.

Gene	Forward sequence	Reverse sequence
*hsa-miR-221**	5'-CCTGAAACCCAGCAGACAA-3'	5'-CAGGTCTGGGGCATGAAC-3'
hsa-miR-524-5p	5'-CTACAAAGGGAAGCA-3'	5'-GTGCAGGGTCCGAGGT-3'
hsa-miR-194	5'-TGTAACAGCAACTCCATGTGG-3'	5'-CGCTACGTAACGGCATGACAGTG-3'
hsa-miRPlus-E1092	5'-TTCGACAATTCCTGTGG-3'	5'-CTGATATGATAGGGT-3'
hsa-miR-17	5'-TGCTTACAGTGCAGGTAG-3'	5'-GAACATGTCTGCGTATCTC-3'
hsa-miR-133a	5'-GGGTTTGGTCCCCTTCAA-3'	5'-GTGCGTGTCGTGGAGTCG-3'
U6 small nuclear RNA	5'-TGCGGGTGCTCGCTTCGGCAGC-3'	5'-CCAGTGCAGGGTCCGAGGT-3'

miR/miRNA, microRNA.

Table SIII. Enrichment results of target gene KEGG with differentially expressed miRNAs.

Class	KEGG name	ID	Input number	P-value
miR-124	Metabolic pathways	hsa01100	24	$1.34x10^{-04}$
	cAMP signaling pathway	hsa04024	10	$9.58x10^{-06}$
	Pathways in cancer	hsa05200	10	$2.05x10^{-03}$
	PI3K/Akt signaling pathway	hsa04151	9	$2.55x10^{-03}$
	Oxytocin signaling pathway	hsa04921	7	$4.36x10^{-04}$
miR-194	Signaling pathways regulating pluripotency of stem cells	hsa04550	3	$1.60x10^{-03}$
	Metabolic pathways	hsa01100	3	$3.15x10^{-01}$
	Lysine degradation	hsa00310	2	$3.34x10^{-03}$
	Epithelial cell signaling in *Helicobacter pylori* infection	hsa05120	2	$5.55x10^{-03}$
	Wnt signaling pathway	hsa04310	2	$2.22x10^{-02}$
hsa-miR-524-5p	MAPK signaling pathway	hsa04010	20	$1.0x10^{-06}$
	Amphetamine addiction	hsa05031	14	$7.6x10^{-06}$
	cAMP signaling pathway	hsa04024	14	$2.2x10^{-04}$
	Cocaine addiction	hsa05030	10	$4.9x10^{-04}$
	cGMP/PKG signaling pathway	hsa04022	11	$1.6x10^{-03}$

miR/miRNA, microRNA; KEGG, Kyoto Encyclopedia of Genes and Genomes; MAPK, mitogen-activated protein kinase; PKG, protein kinase G.