

Table S2 Dysregulated miRNAs in IPAH samples

miRNA ID	Regulation in IPAH samples	Organism	Experiment type	Functional validation	PMID	Author	Year
hsa-let-7a-5p	Up-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	No	27188753	Wu et al	2016
hsa-miR-124-3p	Down-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	Yes	28971999	Paola et al	2017
hsa-miR-124-3p	Down-regulation	Homo sapiens	qRT-PCR	Yes	24122720	Wang et al	2013
hsa-miR-138-5p	Up-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	Yes	31553627	Aleksandra et al	2019
hsa-miR-1-3p	Up-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	No	25815108	Irene et al	2015
hsa-miR-145-5p	Up-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	No	25815108	Irene et al	2015
hsa-miR-150-5p	Down-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	No	23220912	Christopher et al	2013
hsa-miR-150-5p	Down-regulation	Homo sapiens	qRT-PCR	Yes	33335799	Giusy et al	2020
hsa-miR-191-5p	Up-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	No	25815108	Irene et al	2015
hsa-miR-199a-3p	Up-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	No	27188753	Wu et al	2016
hsa-miR-199a-5P	Down-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	No	25815108	Irene et al	2015
hsa-miR-204-5p	Down-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	Yes	21321078	Audrey et al	2011
hsa-miR-204-5P	Down-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	No	25815108	Irene et al	2015
hsa-miR-20a-5p	Up-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	No	25815108	Irene et al	2015
hsa-miR-222-3p	Up-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	Yes	31553627	Aleksandra et al	2019
hsa-miR-223-3p	Up-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	Yes	30507047	Liu et al	2018
hsa-miR-23a-3p	Up-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	No	25815108	Irene et al	2015
hsa-miR-23b-3p	Up-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	No	25815108	Irene et al	2015
hsa-miR-26b-5p	Up-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	No	27188753	Wu et al	2016
hsa-miR-27a-3p	Up-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	No	25815108	Irene et al	2015
hsa-miR-27b-3p	Up-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	No	27188753	Wu et al	2016
hsa-miR-29b-3p	Up-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	Yes	31553627	Aleksandra et al	2019
hsa-miR-30c-2-3p	Down-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	No	25815108	Irene et al	2015
hsa-miR-330-3P	Down-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	No	25815108	Irene et al	2015
hsa-miR-483-3p	Down-regulation	Homo sapiens	RNA-sequencing + qRT-PCR	Yes	32324970	Zhang et al	2020
hsa-miR-483-5p	Down-regulation	Homo sapiens	RNA-sequencing + qRT-PCR	Yes	32324970	Zhang et al	2020
hsa-miR-99a-5p	Down-regulation	Homo sapiens	miRNAs-microarray + qRT-PCR	No	25815108	Irene et al	2015