

Table SII. Upregulated miRNAs in human myofibroblasts treated with JQ1.

Name	Expression value (normal control)	Expression value (JQ1)	Ratio
hsa-let-7f-5p	375.5599	1142.548	3.042252381
hsa-miR-17-5p	1157.145	2635.624	2.277695535
hsa-miR-17-3p	16.11373	44.32432	2.750717556
hsa-miR-18a-5p	118.4682	463.235	3.910205439
hsa-miR-19a-3p	1.539205	11.98687	7.787702093
hsa-miR-19b-3p	256.1266	512.4944	2.000941722
hsa-miR-20a-5p	631.6232	1637.68	2.592811664
hsa-miR-21-5p	151.1336	523.8703	3.466272887
hsa-miR-21-3p	4.483911	55.29945	12.33286075
hsa-miR-22-5p	21.10898	69.87598	3.310249003
hsa-miR-24-2-5p	71.54947	229.0495	3.201274587
hsa-miR-25-5p	8.70365	43.75011	5.026639398
hsa-miR-25-3p	221.9073	498.7785	2.247688562
hsa-miR-27a-5p	10.08954	42.07863	4.170520162
hsa-miR-30a-5p	219.6372	592.1238	2.695917631
hsa-miR-93-5p	1313.876	3938.118	2.997328515
hsa-miR-93-3p	37.9086	80.53367	2.124416887
hsa-miR-98-5p	4.483911	36.74794	8.195510571
hsa-miR-29b-1-5p	82.64452	277.2995	3.355328339
hsa-miR-29b-3p	16.2987	41.54862	2.549198402
hsa-miR-106a-5p	952.5499	2286.3	2.400189218
hsa-miR-30c-2-3p	15.89331	82.54942	5.19397281
hsa-miR-10a-5p	483.1584	1110.05	2.297486704
hsa-miR-10a-3p	2.425419	23.5726	9.718980514
hsa-miR-10b-5p	9.147022	29.37137	3.211030869
hsa-miR-181b-5p	586.7317	1614.568	2.751799502
hsa-miR-181c-5p	16.61192	36.42126	2.19247745
hsa-miR-210-3p	91.27132	448.7407	4.916557578
hsa-miR-181a-3p	10.72203	44.08213	4.111360442
hsa-miR-214-5p	32.34576	64.93883	2.007645824
hsa-miR-222-5p	2.852215	8.082545	2.833778309
hsa-miR-224-5p	2.681014	24.44602	9.118199308
hsa-miR-224-3p	14.48787	50.62193	3.494090574
hsa-let-7g-5p	207.8585	431.5493	2.076168644
hsa-miR-27b-5p	39.39832	125.2841	3.179935084
hsa-miR-30b-3p	8.395106	30.13044	3.589048191
hsa-miR-128-3p	35.42592	91.23824	2.575465648

hsa-miR-130a-3p	341.8854	801.215	2.343519203
hsa-miR-132-3p	188.4685	507.8549	2.694640749
hsa-miR-137	1.853156	7.236685	3.905059801
hsa-miR-140-5p	13.59025	27.91344	2.053931311
hsa-miR-140-3p	351.0666	1171.553	3.337124637
hsa-miR-191-5p	3834.461	7749.239	2.020946099
hsa-miR-127-5p	15.89331	48.64249	3.060563847
hsa-miR-134-5p	457.6974	1028.723	2.247605077
hsa-miR-149-5p	234.5329	583.0625	2.486058459
hsa-miR-154-5p	25.67501	55.99089	2.18075436
hsa-miR-185-5p	607.09	1901.302	3.131828889
hsa-miR-188-5p	10.11327	24.70668	2.442996182
hsa-miR-200c-3p	1.75343	5.244903	2.991224628
hsa-miR-155-5p	145.2625	2233.8	15.37767834
hsa-miR-29c-3p	9.663029	28.06042	2.903894835
hsa-miR-299-3p	19.83172	44.67804	2.252857543
hsa-miR-99b-3p	64.40562	179.3732	2.785055093
hsa-miR-130b-3p	450.7701	1528.416	3.390677421
hsa-miR-362-5p	73.73779	222.1017	3.012047147
hsa-miR-376c-3p	43.29942	100.3764	2.318192715
hsa-miR-369-5p	2.698455	5.787606	2.144785071
hsa-miR-376a-3p	2.090612	7.913742	3.785370982
hsa-miR-377-5p	18.28174	58.40491	3.194712866
hsa-miR-381-3p	21.17594	80.46013	3.79960134
hsa-miR-382-5p	275.7993	745.9926	2.704838627
hsa-miR-323a-3p	3.481487	10.29119	2.955975421
hsa-miR-331-3p	50.11318	117.5494	2.345678323
hsa-miR-324-5p	63.44663	743.2828	11.71508715
hsa-miR-339-5p	99.29945	349.1288	3.515918769
hsa-miR-339-3p	49.24842	130.5435	2.65071448
hsa-miR-345-5p	204.185	477.3311	2.337738326
hsa-miR-424-5p	3.995384	8.911777	2.230518268
hsa-miR-425-5p	296.5788	1328.309	4.478772589
hsa-miR-425-3p	25.84328	134.3419	5.198330088
hsa-miR-18b-5p	5.570137	28.8953	5.187538475
hsa-miR-20b-5p	46.89194	133.3223	2.843181579
hsa-miR-431-3p	9.073297	19.27182	2.124015118
hsa-miR-329-3p	6.324595	36.66957	5.797931725
hsa-miR-452-5p	3.180832	13.09643	4.117296984

hsa-miR-409-5p	99.7202	211.7982	2.123924741
hsa-miR-409-3p	547.5999	1613.719	2.946894256
hsa-miR-412-5p	4.486715	32.61502	7.269242642
hsa-miR-484	117.8018	239.3842	2.032092888
hsa-miR-487a-5p	12.07584	27.37306	2.266762395
hsa-miR-487a-3p	30.2134	104.0173	3.442753877
hsa-miR-490-5p	65.64787	264.8413	4.034271028
hsa-miR-490-3p	9.318353	77.51222	8.318231773
hsa-miR-491-5p	38.52694	181.114	4.700970282
hsa-miR-493-5p	3.988854	47.31814	11.86259011
hsa-miR-493-3p	78.18949	246.5163	3.152806087
hsa-miR-432-5p	412.2994	838.9841	2.034890422
hsa-miR-494-3p	413.2995	1416.409	3.427076491
hsa-miR-500a-5p	71.56557	204.2542	2.854084723
hsa-miR-500a-3p	136.1922	307.7991	2.260034716
hsa-miR-502-3p	163.693	352.8557	2.155594314
hsa-miR-505-5p	82.86441	219.5873	2.649959132
hsa-miR-505-3p	5.384639	14.06992	2.612973683
hsa-miR-532-5p	156.1224	526.8472	3.374577895
hsa-miR-487b-3p	362.0796	948.7988	2.620414958
hsa-miR-551b-5p	3.201862	9.680369	3.023356097
hsa-miR-574-5p	21.87179	50.90142	2.327263566
hsa-miR-584-5p	18.89453	38.19147	2.021297698
hsa-miR-589-3p	2.090611	10.60971	5.074932639
hsa-miR-619-5p	26.63887	103.7994	3.896539155
hsa-miR-629-5p	31.08409	131.0342	4.215474862
hsa-miR-652-3p	37.01362	134.3744	3.630404159
hsa-miR-411-3p	2.207621	12.08402	5.47377471
hsa-miR-660-5p	8.139921	41.47046	5.094700551
hsa-miR-421	41.85209	264.3859	6.317149275
hsa-miR-542-5p	27.20514	112.9446	4.151590472
hsa-miR-758-5p	3.73631	14.5381	3.891031526
hsa-miR-758-3p	5.536736	53.43347	9.650716595
hsa-miR-151b	168.2686	374.2566	2.224161846
hsa-miR-1185-2-3p	29.15096	161.2994	5.533244874
hsa-miR-769-5p	9.890279	53.1371	5.372659356
hsa-miR-769-3p	14.34369	44.17203	3.079544385
hsa-miR-1185-1-3p	43.06584	239.1718	5.55363137
hsa-miR-744-5p	262.6516	545.5649	2.077142877

hsa-miR-374b-5p	3.295233	11.68002	3.544520221
hsa-miR-1285-3p	8.395109	24.63182	2.93406792
hsa-miR-1287-5p	24.11205	85.31346	3.538208489
hsa-miR-1244	6.682469	35.03824	5.243307526
hsa-miR-1260a	5.697548	33.88469	5.947240813
hsa-miR-664a-5p	17.35693	44.17093	2.544858451
hsa-miR-1973	13.46748	65.45262	4.860049542
hsa-miR-3149	1.818866	10.95286	6.021806994
hsa-miR-3156-5p	2.229512	6.984403	3.132704825
hsa-miR-1260b	118.9818	428.8316	3.604178118
hsa-miR-3201	1.81701	6.683666	3.67838702
hsa-miR-378c	13.97308	44.82631	3.208047904
hsa-miR-4298	641.5562	1308.802	2.040042634
hsa-miR-4304	14.78513	44.81197	3.030881027
hsa-miR-4324	5.896193	67.71098	11.48384729
hsa-miR-4284	63.62454	214.4551	3.370634978
hsa-miR-4286	31.12696	65.39307	2.100849874
hsa-miR-3605-5p	5.933524	28.93631	4.876749466
hsa-miR-3607-5p	3.344841	8.561995	2.559761436
hsa-miR-3609	34.75876	71.29947	2.051266213
hsa-miR-3613-3p	44.77686	304.6778	6.804358323
hsa-miR-3615	46.51381	137.2867	2.951525579
hsa-miR-3651	75.83307	152.4461	2.010285223
hsa-miR-3682-3p	2.390179	6.385674	2.671630033
hsa-miR-3911	99.29941	203.4999	2.049356587
hsa-miR-3935	11.97935	25.54015	2.132014675
hsa-miR-550b-2-5p	2.092279	5.377351	2.570092708
hsa-miR-378f	3.481487	11.34978	3.260038024
hsa-miR-4454	2463.551	8525.55	3.460675261
hsa-miR-4492	298.9212	788.2321	2.636922707
hsa-miR-4499	4.874516	12.026	2.467116735
hsa-miR-4667-5p	5.755506	21.58661	3.750601598
hsa-miR-4668-5p	36.57106	254.8059	6.967419047
hsa-miR-4684-3p	5.620879	14.84101	2.640336147
hsa-miR-4698	2.211981	8.911777	4.028866884
hsa-miR-4732-5p	18.8594	38.54946	2.044044879
hsa-miR-4800-5p	20.3116	56.49977	2.781650387
hsa-miR-5100	314.6129	1575.517	5.007795294
hsa-miR-664b-5p	1.898136	6.187262	3.259651574

hsa-miR-5703	2.178251	4.401483	2.020650054
hsa-miR-6074	1.75105	12.70767	7.257171411
hsa-miR-6086	36.83204	83.41923	2.264855001
hsa-miR-6511a-3p	8.703846	25.84585	2.969474644
hsa-miR-6728-5p	47.86354	154.8533	3.235308128
hsa-miR-6740-5p	5.266284	11.50661	2.184958122
hsa-miR-6757-5p	4.835777	13.29353	2.748995663
hsa-miR-6769a-5p	12.79123	36.6725	2.867003408
hsa-miR-6830-5p	3.027305	8.659907	2.860599444
hsa-miR-6833-5p	3.599382	7.992802	2.220603981
hsa-miR-6867-5p	7.111498	21.99543	3.092939069
hsa-miR-7111-5p	8.517939	27.03596	3.174002537
hsa-miR-7152-3p	2.501937	8.188185	3.272738282
hsa-miR-7162-3p	114.5425	332.335	2.90141214
hsa-miR-7641	201.8573	590.1083	2.923393407
hsa-miR-7975	14.3415	333.3793	23.24577624
hsa-miR-7977	263.7995	835.4731	3.167076132
hsa-miR-8060	15.89332	40.02269	2.518208279
hsa-miR-8084	2.070658	12.83313	6.197609649
hsa-miR-8085	2.798373	6.383852	2.281272725
hsa-mir-21	18.28174	45.94497	2.513161767
hsa-mir-224	1.364608	2.83839	2.080003928
hsa-mir-320a	115.7995	241.0494	2.081610024
hsa-mir-484	119.6017	259.6224	2.170724998
hsa-mir-487a	4.233191	13.01049	3.07344743
hsa-mir-500a	39.6548	84.63464	2.134284879
hsa-mir-487b	4.783824	11.99382	2.507161635

Table SIII. Downregulated miRNAs in human myofibroblasts treated with JQ1.

Name	Expression value (normal control)	Expression value (JQ1)	Ratio
hsa-miR-99a-5p	1134.8	322.4399	0.284138086
hsa-miR-101-5p	8.417673	3.893108	0.462492188
hsa-miR-34a-3p	16.8681	6.958741	0.412538519
hsa-miR-199b-5p	26.57288	3.646755	0.137235971
hsa-miR-135a-3p	5.833885	2.693911	0.461769644
hsa-miR-125b-2-3p	93.87199	15.28141	0.16278988
hsa-miR-328-3p	78.88508	21.78328	0.276139417
hsa-miR-146b-5p	107.2291	52.79946	0.492398612
hsa-miR-498	5.212917	1.837194	0.352431086
hsa-miR-504-3p	22.26925	8.572133	0.384931374
hsa-miR-92b-5p	107.2297	29.22287	0.272525895
hsa-miR-638	2742.776	865.1882	0.31544253
hsa-miR-663a	1092.984	429.7993	0.393234759
hsa-miR-671-3p	22.32492	10.95286	0.490611389
hsa-miR-762	2045.999	847.1282	0.414041356
hsa-miR-885-3p	10.78427	3.124807	0.289756006
hsa-miR-937-5p	212.431	97.94975	0.461089719
hsa-miR-1182	6.237877	2.810255	0.450514654
hsa-miR-1225-5p	64.21712	17.5466	0.273238663
hsa-miR-1227-5p	403.9742	78.49651	0.194310701
hsa-miR-1228-5p	773.0565	245.7654	0.317913891
hsa-miR-1231	268.7995	19.12273	0.071141241
hsa-miR-1237-5p	2316.916	838.1049	0.361732967
hsa-miR-1246	134.258	28.06042	0.209003709
hsa-miR-1469	2250.994	706.7165	0.313957523
hsa-miR-1908-5p	1686.755	403.5028	0.239218381
hsa-miR-1915-3p	3354.078	1015.253	0.302692126
hsa-miR-2115-5p	142.9358	38.9133	0.272243203
hsa-miR-2861	2814.802	624.4874	0.221858376
hsa-miR-3124-5p	16.4863	4.559189	0.2765441
hsa-miR-3180-3p	127.1288	34.06764	0.267977358
hsa-miR-3185	676.6382	111.7338	0.165130789
hsa-miR-3187-3p	36.76897	7.671474	0.208639894
hsa-miR-3188	78.29942	9.617817	0.122833822
hsa-miR-3195	846.3178	380.4683	0.449557247
hsa-miR-4327	6.434898	2.571591	0.399631976
hsa-miR-4281	784.6071	359.3983	0.458061493

hsa-miR-3621	292.0909	59.25647	0.202869963
hsa-miR-3180	116.2897	25.45988	0.218934953
hsa-miR-3940-5p	1856.49	505.2993	0.27217992
hsa-miR-4466	3978.16	1407.299	0.353756259
hsa-miR-4467	290.6699	53.82292	0.185168537
hsa-miR-4486	157.3135	16.60907	0.105579432
hsa-miR-4488	3443.943	1435.663	0.416866075
hsa-miR-4498	55.89022	14.90997	0.266772434
hsa-miR-4505	279.1962	105.3446	0.377313875
hsa-miR-4521	126.3231	37.86633	0.299757764
hsa-miR-1587	52.01871	15.95119	0.306643321
hsa-miR-4632-5p	183.2161	29.21509	0.159457002
hsa-miR-4634	161.5313	70.40485	0.435858871
hsa-miR-4649-5p	76.79944	22.8571	0.29762066
hsa-miR-4651	385.9607	74.80344	0.193811028
hsa-miR-4674	461.1989	130.1559	0.282212078
hsa-miR-1343-5p	226.2033	43.98834	0.194463741
hsa-miR-4690-5p	65.22012	14.53607	0.222877081
hsa-miR-4695-5p	251.7875	65.3444	0.259522018
hsa-miR-4707-5p	789.6678	169.2994	0.214393192
hsa-miR-4710	8.509492	3.331359	0.391487412
hsa-miR-4721	165.52	72.81049	0.439889379
hsa-miR-4734	1241.41	175.9432	0.141728518
hsa-miR-4741	289.5494	50.21232	0.173415383
hsa-miR-4745-5p	2254.045	760.4357	0.337364915
hsa-miR-4750-5p	91.23434	5.927986	0.064975381
hsa-miR-4758-5p	174.2491	38.70795	0.222141463
hsa-miR-4763-3p	947.8234	193.7673	0.204433969
hsa-miR-5001-5p	727.2336	173.1779	0.238132424
hsa-miR-5189-5p	76.82579	27.38624	0.356471961
hsa-miR-5189-3p	218.5793	9.601737	0.043927934
hsa-miR-5787	2536.426	1154.496	0.455166443
hsa-miR-6068	91.13438	17.67367	0.193929777
hsa-miR-6075	17.22353	8.569228	0.497530297
hsa-miR-6088	3969.476	1792.376	0.451539699
hsa-miR-6125	4592.135	1760.993	0.383480233
hsa-miR-6126	340.7994	159.5089	0.468043371
hsa-miR-6133	8.194463	3.852761	0.470166379
hsa-miR-6511a-5p	16.50959	5.536842	0.33537126

hsa-miR-6716-5p	33.2472	11.59546	0.348765009
hsa-miR-6721-5p	10.12595	2.178854	0.215175268
hsa-miR-6722-3p	290.3834	63.9157	0.220107968
hsa-miR-6724-5p	2036.72	515.5913	0.253147855
hsa-miR-6727-5p	2905.51	1106.048	0.380672584
hsa-miR-6729-5p	3574.64	1305.299	0.365155372
hsa-miR-6732-5p	172.6042	74.36768	0.430856723
hsa-miR-6749-5p	188.5495	92.54943	0.490849512
hsa-miR-6752-5p	441.6963	199.0494	0.450647651
hsa-miR-6765-5p	501.9342	115.9925	0.231091047
hsa-miR-6771-5p	124.9232	40.13634	0.321288119
hsa-miR-6779-5p	87.87502	35.14067	0.399893735
hsa-miR-6786-5p	1770.208	564.0051	0.318609508
hsa-miR-6787-5p	61.38828	23.29213	0.379423076
hsa-miR-6789-5p	557.5215	136.9634	0.245664786
hsa-miR-6790-5p	192.2943	12.02388	0.06252853
hsa-miR-6791-5p	1242.111	331.9861	0.26727571
hsa-miR-6794-5p	86.24397	39.27499	0.455394041
hsa-miR-6798-5p	72.38548	19.4782	0.269089878
hsa-miR-6799-5p	26.57288	11.11514	0.418288872
hsa-miR-6800-5p	2331.135	540.7419	0.231965073
hsa-miR-6802-5p	52.90035	10.87235	0.205525105
hsa-miR-6805-5p	610.1295	155.2226	0.254409269
hsa-miR-6808-3p	52.27438	2.98392	0.057081882
hsa-miR-6816-5p	1104.308	248.8135	0.225311688
hsa-miR-6820-5p	30.31947	7.13402	0.23529501
hsa-miR-6821-5p	1092.35	183.1194	0.167638028
hsa-miR-6780b-5p	30.1513	10.08853	0.33459685
hsa-miR-6850-5p	911.2994	215.5563	0.2365373
hsa-miR-6894-5p	11.29694	3.770638	0.333775164
hsa-miR-7108-5p	1388.177	336.379	0.242317082
hsa-miR-8063	83.69761	8.940051	0.106813695
hsa-miR-8064	20.41612	7.356423	0.360324244
hsa-miR-8069	5458.12	1617.746	0.296392531
hsa-miR-8071	24.88182	10.09126	0.405567599
hsa-miR-8072	1076.561	319.1233	0.296428442
hsa-miR-8089	85.2293	42.24514	0.495664519
hsa-mir-885	68.85554	14.12084	0.205079214
hsa-mir-3656	39.90152	8.220248	0.206013405

hsa-mir-5095	152.7672	37.66285	0.246537542
hsa-mir-6089-1	529.2994	176.0495	0.332608539
hsa-mir-6800	1445.062	360.4035	0.249403486
hsa-mir-6880	37.88637	8.428588	0.222470192
hsa-mir-6089-2	529.2994	176.0495	0.332608539
hsa-mir-4466	91.3215	26.33703	0.288399008

Table SIV. Changes in expression of miRNAs between the IPF lung and the normal lung [Mullenbrock et al (30)].

miRNA ID	Fold change
hsa-miR-138-5p	-1.96
hsa-miR-146b-5p	-1.86
hsa-miR-155-5p	-1.83
hsa-miR-190a-5p	-1.69
hsa-miR-125b-2-3p	-1.62
hsa-miR-708-3p	-1.59
hsa-miR-20a-5p	-1.53
hsa-miR-374a-3p	-1.52
hsa-miR-21-3p	-1.49
hsa-miR-340-5p	-1.46
hsa-miR-17-5p	-1.43
hsa-miR-1307-5p	-1.43
hsa-miR-99a-5p	-1.42
hsa-miR-345-5p	-1.4
hsa-miR-7974	-1.39
hsa-miR-93-5p	-1.37
hsa-miR-335-5p	2.27
hsa-miR-30a-3p	1.38
hsa-miR-574-3p	1.37