

Table S3 Identified miRNAs in LUSC

miRNA	logFC	logCPM	PValue	FDR
hsa-miR-486-5p	-3.605591546	7.869614841	1.21E-95	1.42E-93
hsa-miR-144-5p	-3.535124621	7.626917363	1.49E-104	2.04E-102
hsa-miR-490-3p	-3.414350154	0.596062512	3.85E-28	4.72E-27
hsa-miR-451a	-3.335336842	9.941736423	1.19E-81	9.78E-80
hsa-miR-133b	-3.315184183	0.958016221	9.52E-54	3.13E-52
hsa-miR-338-5p	-3.216457586	3.149255915	8.92E-124	2.44E-121
hsa-miR-4732-3p	-3.208547226	0.256198869	1.39E-50	3.67E-49
hsa-miR-30a-5p	-3.100862679	14.46045533	2.76E-130	2.27E-127
hsa-miR-144-3p	-3.09914232	4.060492216	9.64E-63	4.55E-61
hsa-miR-30a-3p	-2.995532934	12.4241954	4.96E-110	8.15E-108
hsa-miR-133a-3p	-2.958630022	3.04969891	9.99E-63	4.55E-61
hsa-miR-30c-2-3p	-2.908218525	5.339683323	3.11E-92	3.19E-90
hsa-miR-139-3p	-2.816456307	3.213752299	2.62E-68	1.65E-66
hsa-miR-338-3p	-2.631345685	9.546379192	6.13E-67	3.35E-65
hsa-miR-326	-2.587317838	3.209351147	9.22E-48	2.16E-46
hsa-miR-1-3p	-2.573472698	3.382984993	7.87E-45	1.61E-43
hsa-miR-139-5p	-2.544026083	5.3594108	9.65E-72	6.60E-70
hsa-miR-30d-5p	-2.510934197	13.11026685	1.61E-125	6.60E-123
hsa-miR-101-3p	-2.380509751	13.79185739	1.16E-117	2.38E-115
hsa-miR-4777-3p	-2.313460146	0.288011529	4.09E-47	9.07E-46
hsa-miR-218-5p	-2.18209222	6.340266836	1.16E-73	8.66E-72
hsa-miR-3065-3p	-2.168563703	6.485639145	5.73E-40	1.05E-38
hsa-miR-206	-2.166983977	1.024126388	2.62E-06	6.71E-06
hsa-miR-218-1-3p	-2.130060686	0.826062692	1.14E-49	2.83E-48
hsa-miR-1258	-2.078868118	0.551197938	8.20E-20	6.35E-19
hsa-miR-140-3p	-2.055995223	10.06546899	5.29E-61	2.29E-59
hsa-miR-126-5p	-2.055256413	8.22759708	2.50E-84	2.28E-82
hsa-miR-182-5p	2.000460902	14.78014084	2.85E-22	2.54E-21
hsa-miR-33a-5p	2.004525753	5.859159354	7.41E-17	4.95E-16
hsa-miR-449b-5p	2.008562054	0.507085428	0.005493505	0.00824528
hsa-miR-455-3p	2.013715552	8.513006664	6.77E-23	6.46E-22
hsa-miR-487a-3p	2.01693243	0.554989203	6.23E-05	0.000129917
hsa-miR-135b-5p	2.025682776	5.588239165	4.16E-13	2.08E-12
hsa-miR-345-5p	2.054549044	4.963850818	2.08E-26	2.31E-25
hsa-miR-541-3p	2.107662728	0.723895948	0.000170247	0.000325811
hsa-miR-3607-5p	2.109645408	0.163961244	2.31E-06	5.99E-06
hsa-miR-1248	2.136706449	0.847769828	3.38E-11	1.44E-10
hsa-miR-556-3p	2.152389376	0.000995609	1.31E-08	4.38E-08
hsa-miR-503-5p	2.154171477	3.155733281	2.59E-20	2.03E-19
hsa-miR-431-5p	2.179527964	1.987771562	8.23E-07	2.25E-06
hsa-miR-744-3p	2.187997267	4.935212029	3.85E-25	4.00E-24

hsa-miR-3200-3p	2.190383452	3.178953373	4.79E-13	2.38E-12
hsa-miR-25-5p	2.204516321	0.213406241	1.24E-10	4.95E-10
hsa-miR-296-3p	2.210685944	1.756568183	5.42E-10	2.03E-09
hsa-miR-147b	2.234298997	0.785891012	5.92E-10	2.21E-09
hsa-miR-629-3p	2.234484417	3.528400983	2.77E-34	4.29E-33
hsa-miR-499a-3p	2.252813132	-0.047501135	0.000276296	0.000500749
hsa-miR-33b-5p	2.279609141	2.779216526	1.01E-15	6.50E-15
hsa-miR-130b-3p	2.283980333	4.892664121	3.75E-37	6.15E-36
hsa-miR-20b-3p	2.293197378	1.65057353	6.22E-09	2.13E-08
hsa-miR-1254	2.340765445	0.840671599	2.33E-14	1.28E-13
hsa-miR-513c-5p	2.348794542	0.397975801	9.36E-05	0.000186873
hsa-miR-760	2.368591906	1.94801177	6.29E-15	3.66E-14
hsa-miR-6728-5p	2.374884771	0.033409122	4.71E-10	1.79E-09
hsa-miR-301a-5p	2.376934792	3.463734798	6.23E-25	6.39E-24
hsa-miR-7-5p	2.392119163	1.868200519	1.09E-13	5.70E-13
hsa-miR-877-5p	2.392752999	1.939111941	1.48E-20	1.22E-19
hsa-miR-129-1-3p	2.397809327	-0.049136498	3.33E-05	7.20E-05
hsa-miR-7112-3p	2.421578974	0.032589091	3.76E-11	1.60E-10
hsa-miR-616-5p	2.434487827	2.260375477	1.07E-21	9.26E-21
hsa-miR-365a-5p	2.445773656	0.679754654	6.38E-15	3.69E-14
hsa-miR-130b-5p	2.459501422	4.801896264	2.56E-43	4.88E-42
hsa-miR-4665-5p	2.476281395	-0.031992394	7.07E-10	2.63E-09
hsa-miR-4664-5p	2.476727442	-0.093229702	7.33E-11	3.01E-10
hsa-miR-149-3p	2.484976589	0.385907576	1.19E-09	4.30E-09
hsa-miR-129-2-3p	2.486878833	1.093907505	0.000250491	0.000455993
hsa-miR-4501	2.523600223	-0.012802127	0.000395776	0.000707439
hsa-miR-519d-3p	2.536530855	0.242602409	0.003092144	0.00480805
hsa-miR-4766-3p	2.558010959	0.506939508	1.31E-15	8.23E-15
hsa-miR-4664-3p	2.568251488	0.388631216	1.63E-13	8.34E-13
hsa-miR-483-5p	2.598340769	1.602687086	1.01E-05	2.36E-05
hsa-miR-4788	2.635786858	0.825404111	8.43E-05	0.000170958
hsa-miR-3161	2.637543964	0.139237366	2.18E-05	4.83E-05
hsa-miR-708-3p	2.644327745	8.182514718	2.05E-33	3.00E-32
hsa-miR-137	2.672308656	1.626745425	5.19E-06	1.27E-05
hsa-miR-96-5p	2.681966878	5.178803999	7.56E-33	1.07E-31
hsa-miR-873-5p	2.729891186	0.706364531	5.93E-07	1.66E-06
hsa-miR-518e-3p	2.740405605	0.713688308	0.002706602	0.004281542
hsa-miR-183-5p	2.75396756	13.96905115	1.06E-37	1.77E-36
hsa-miR-224-5p	2.830435964	7.470234198	1.23E-20	1.03E-19
hsa-miR-301b-3p	2.86988173	1.650449532	7.24E-24	7.08E-23
hsa-miR-518c-3p	2.874236401	0.220500114	0.000683842	0.001167223
hsa-miR-323a-3p	2.879263059	2.967580064	1.13E-11	5.11E-11
hsa-miR-517c-3p	2.879995381	0.357068925	0.00437658	0.006654023

hsa-miR-149-5p	3.00513252	7.767621391	1.69E-29	2.23E-28
hsa-miR-892b	3.036374815	-0.227070323	2.91E-05	6.36E-05
hsa-miR-7641	3.073717491	0.851665889	3.48E-10	1.34E-09
hsa-miR-888-5p	3.088404739	-0.019133878	8.24E-05	0.000167351
hsa-miR-519a-3p	3.08992674	2.180661959	0.000810077	0.001374117
hsa-miR-1911-5p	3.091221128	3.042982037	2.32E-06	6.00E-06
hsa-miR-6512-3p	3.112199314	0.118714921	4.86E-10	1.84E-09
hsa-miR-5682	3.139989213	-0.184593373	3.08E-06	7.77E-06
hsa-miR-520h	3.189041383	0.516295325	0.001095897	0.001828722
hsa-miR-183-3p	3.218906108	1.60830729	3.32E-31	4.55E-30
hsa-miR-1293	3.2412935	0.848561173	2.83E-11	1.23E-10
hsa-miR-383-5p	3.246759952	1.37623634	7.18E-05	0.000147524
hsa-miR-548y	3.252640641	0.058856752	2.57E-07	7.43E-07
hsa-miR-5579-3p	3.303872749	0.774016632	1.09E-15	6.92E-15
hsa-miR-675-3p	3.317281093	6.468798084	1.62E-09	5.81E-09
hsa-miR-514b-5p	3.322082315	0.383701254	1.46E-06	3.87E-06
hsa-miR-4449	3.32803746	0.850061783	1.39E-14	7.72E-14
hsa-miR-4713-5p	3.328702289	-0.129327055	8.52E-13	4.16E-12
hsa-miR-525-3p	3.356586778	0.16683383	0.000421818	0.00074316
hsa-miR-129-5p	3.382750669	4.915937764	5.11E-11	2.14E-10
hsa-miR-516a-5p	3.387666306	4.763564213	8.69E-05	0.000174894
hsa-miR-323b-3p	3.461724757	3.073455179	6.33E-17	4.26E-16
hsa-miR-517-5p	3.472916272	1.823637075	0.004532409	0.006878203
hsa-miR-708-5p	3.526650234	7.072401258	1.05E-47	2.39E-46
hsa-miR-573	3.528501018	-0.114837817	7.16E-12	3.30E-11
hsa-miR-1283	3.549292687	1.336508216	0.000562883	0.000970854
hsa-miR-515-3p	3.560110127	0.499439064	0.000397235	0.000707439
hsa-miR-518f-3p	3.566965144	0.252157923	0.000379418	0.000680135
hsa-miR-374c-5p	3.602342837	0.465451896	3.74E-06	9.30E-06
hsa-miR-891b	3.638912833	0.395123107	6.53E-06	1.57E-05
hsa-miR-1323	3.707062695	0.457388679	0.000184123	0.000349623
hsa-miR-522-3p	3.726329875	2.112316489	0.000397042	0.000707439
hsa-miR-523-3p	3.746456181	0.177964179	0.000225855	0.000419399
hsa-miR-892a	3.751549902	0.91706247	6.07E-06	1.46E-05
hsa-miR-520d-3p	3.76824827	0.402386533	0.000138589	0.000269625
hsa-miR-517b-3p	3.79225245	1.796737327	0.000136217	0.000265694
hsa-miR-517a-3p	3.792253375	1.796737327	0.000136245	0.000265694
hsa-miR-520g-3p	3.797409103	0.884866505	0.000155484	0.000300358
hsa-miR-615-3p	3.915258033	2.246300077	1.87E-19	1.42E-18
hsa-miR-7974	3.981476807	0.277672015	7.46E-18	5.33E-17
hsa-miR-518a-3p	4.002407459	1.412181481	0.000341787	0.000615367
hsa-miR-516b-5p	4.11346865	2.365302127	0.000182797	0.000348205
hsa-miR-3662	4.114625931	0.955852123	8.85E-22	7.73E-21

hsa-miR-1910-5p	4.145585217	0.701490122	4.33E-23	4.19E-22
hsa-miR-9-3p	4.155804934	3.111919047	8.69E-19	6.37E-18
hsa-miR-519c-3p	4.168330313	0.699546265	8.58E-05	0.000173066
hsa-miR-210-3p	4.244884194	11.26292321	9.62E-67	4.94E-65
hsa-miR-767-3p	4.250897538	1.156361197	4.70E-11	1.98E-10
hsa-miR-301b-5p	4.29013536	1.313118813	2.10E-28	2.61E-27
hsa-miR-4778-3p	4.303618199	0.355785518	1.13E-14	6.34E-14
hsa-miR-9-5p	4.333807419	12.70310288	2.62E-25	2.75E-24
hsa-miR-548f-3p	4.352681911	1.115429085	9.86E-11	3.99E-10
hsa-miR-520c-3p	4.484764588	0.865308432	8.49E-05	0.000171633
hsa-miR-520b	4.487982735	0.867058178	8.75E-05	0.000175671
hsa-miR-520f-3p	4.565987918	1.093455208	3.39E-05	7.30E-05
hsa-miR-577	4.599156723	4.416738215	1.77E-22	1.63E-21
hsa-miR-6510-3p	4.647539441	4.582609646	2.46E-20	1.96E-19
hsa-miR-518a-5p	4.735418321	2.128726278	7.46E-05	0.0001523
hsa-miR-527	4.767375453	2.088677623	6.69E-05	0.000138953
hsa-miR-519a-5p	4.771529796	5.711804437	1.06E-06	2.86E-06
hsa-miR-520a-3p	4.806305472	3.103260782	4.42E-05	9.39E-05
hsa-miR-512-5p	4.857415293	1.027403912	4.31E-05	9.16E-05
hsa-miR-518b	4.915720788	2.427801086	1.16E-05	2.68E-05
hsa-miR-205-3p	4.920875022	2.853508117	1.95E-53	6.16E-52
hsa-miR-31-3p	4.958079088	4.310255504	8.41E-23	7.94E-22
hsa-miR-3923	5.045828146	3.489750102	7.62E-06	1.80E-05
hsa-miR-6499-5p	5.051396407	1.752752827	1.05E-26	1.18E-25
hsa-miR-525-5p	5.070348729	1.905149484	1.50E-05	3.43E-05
hsa-miR-196b-5p	5.170104889	8.905097403	6.74E-50	1.73E-48
hsa-miR-891a-5p	5.176424009	6.470019588	6.22E-12	2.88E-11
hsa-miR-520e	5.300492835	1.189766767	2.95E-05	6.42E-05
hsa-miR-122-5p	5.306127998	2.49152003	4.89E-05	0.000103385
hsa-miR-518c-5p	5.480905579	2.463986768	6.56E-06	1.57E-05
hsa-miR-205-5p	5.575113876	13.7724719	2.63E-55	9.01E-54
hsa-miR-31-5p	5.603226184	5.283470533	2.45E-25	2.61E-24
hsa-miR-196a-5p	5.612646641	6.761910093	2.19E-25	2.37E-24
hsa-miR-373-3p	5.655262156	2.434206864	2.39E-05	5.25E-05
hsa-miR-767-5p	5.790648973	6.218935741	9.02E-16	5.83E-15
hsa-miR-520a-5p	5.885593195	2.918341524	4.42E-06	1.09E-05
hsa-miR-371a-5p	5.999015247	1.494691057	6.72E-06	1.60E-05
hsa-miR-526b-5p	6.012566056	4.690428449	5.30E-07	1.49E-06
hsa-miR-6499-3p	6.222619781	1.754363879	2.85E-29	3.72E-28
hsa-miR-944	6.22710072	7.383316576	1.41E-51	3.99E-50
hsa-miR-105-5p	6.266491613	6.961535478	2.22E-17	1.56E-16
hsa-miR-512-3p	6.289203984	4.286701739	2.40E-07	6.97E-07
hsa-miR-1269a	6.293731319	8.785370212	3.32E-21	2.81E-20

hsa-miR-371a-3p	6.438429656	1.681366033	6.07E-06	1.46E-05
hsa-miR-4652-5p	6.470646565	2.70098946	8.49E-52	2.49E-50
hsa-miR-518f-5p	6.533014288	2.958300125	5.01E-06	1.23E-05
hsa-miR-372-3p	7.217183908	5.201612294	1.81E-06	4.77E-06
hsa-miR-1269b	8.905716994	5.837049711	7.49E-15	4.27E-14