

Supplementary data

Supplementary table 1: Profiling of 94 miRNA expression in HCC patients compared to normal liver. Shown are mean fold of change for each miRNA normalized against the internal control. Values were compared between normal and tumour samples using Mann-Whitney statistical test.

miRNA	Normal (mean)	Tumour (Mean)	Tumour/Normal	Mann-Whitney(p value)
miR-let-7a-1	1.733766117	4.302558838	2.481625863	ns
miR-let-7g-2	0.296638009	2.252281983	7.592695183	0.0001
miR-9-1	0.161966999	0.070671683	-2.291823153	ns
miR-9*-1	0.003552264	0.002933475	-1.210940687	ns
miR-10a-1	0.072384589	0.81570989	11.26910988	0.0018
miR-15a-1	0.575112776	0.924256083	1.607086682	ns
miR-16-1	2.230926661	11.90016725	5.334181289	0.0083
miR-18a-1	0.041269105	0.164375891	3.983025389	ns
miR-18b-1	0.032962846	0.109724892	3.328744519	ns
miR-21-2	1.457822407	46.12126332	31.63709317	0.0001
miR-23a-1	2.800671302	9.833495815	3.511120997	0.0062
miR-24-1	0.811616019	3.832645082	4.722239327	0.0062
miR-26a-1	0.080422063	1.574095195	19.57292722	0.0007
miR-27a-1	0.251003154	1.697866489	6.76432332	0.0016
miR-29a-1	12.15460972	6.289995043	-1.932371907	ns
miR-29c-1	6.290256719	9.715823886	1.544583046	ns
miR-30c-2	2.897723006	7.600443391	2.622901974	0.0352
miR-30e-1	1.048085005	4.415497424	4.212919183	0.014
miR-31-1	0.008212886	0.0234246	2.852176292	0.0433
miR-34a-1	0.059472455	3.402621436	57.21340114	0.0007
miR-92b*-2	0.012174817	0.021253402	1.745685592	ns
miR-93-1	6.756097398	2.230931667	-3.02837487	ns
miR-95-2	0.048176754	0.104436842	2.16778495	ns
miR-98-1	0.009576793	0.148619057	15.51866622	0.0007
miR-99a-1	0.81862938	4.047828313	4.944640897	0.0024
miR-100-1	0.570381412	3.381369817	5.928260885	0.0033
miR-105-1	0.029104262	0.003669802	0.126091556	ns
miR-106a-1	0.405346374	2.034472208	5.019095619	0.0227
miR-106b-1	0.250965908	2.069964377	8.247990316	0.0016
miR-107-1	0.914187278	6.112901157	6.686705562	0.0033
miR-122a-1	23.00685289	239.2203639	10.39778735	0.0003
miR-125b-1	2.002917885	9.95558003	4.970538285	0.0024
miR-126-1	1.789850257	15.3335566	8.566949407	0.0004
miR-130a-1	0.194321319	2.214724311	11.39722763	0.0011
miR-133b-1	0.05858371	0.016169437	-3.623113721	0.0062
miR-134-1	0.003754056	0.006541087	1.742405089	ns
miR-137-1	0.003552264	0.001748351	-2.031779767	ns
miR-142-5p-1	0.699091013	0.251259398	-2.782347723	ns
miR-145-1	0.690410163	9.250611971	13.3987193	0.0003
miR-147-1	0.003556245	0.002670476	-1.331689229	ns
miR-148a-1	2.732522406	13.70589859	5.015841245	0.0033
miR-148b-1	0.135245384	0.595762517	4.405048802	0.0046
miR-149*-2	0.074614025	0.016844254	-4.429642596	ns
miR-151-3p-1	0.061855721	0.643196576	10.39833601	0.0004
miR-154-1	0.004304995	0.036393681	8.453827452	0.0001
miR-155-1	0.007136333	0.53410415	74.84294473	0.0004
miR-181a-2	0.198959302	1.274609069	6.406380893	0.0083
miR181b-1	0.050262627	33024185.07	657032615.3	0.0001

Supplementary table 1: Continued

miRNA	Normal (mean)	Tumour (Mean)	Tumour/Normal	Mann-Whitney(p value)
miR-182-2	0.021711726	0.064718948	2.980829295	ns
miR-182*-2	0.003673784	0.002242088	-1.638554614	ns
miR-183-1	0.016789092	0.035503858	2.114697959	ns
miR-185-1	0.413806049	0.621017893	1.50074629	ns
miR-187-1	0.014609207	0.009822902	-1.48725986	ns
miR-193b-2	0.540741925	3.762768962	6.958530097	0.0033
miR-194-1	3.081290825	17.54003896	5.692432152	0.0108
miR-196b-1	0.003555944	0.210373503	59.16107981	0.0179
miR-199a-1	0.286174148	1.390881475	4.860262487	0.0179
miR-199a-3p-1	0.270987375	3.24307083	11.96760856	0.0016
miR-200a-1	0.012574963	0.150663192	11.98120364	0.0004
miR-200b-3	0.048065166	0.567700257	11.81105359	0.0024
miR-204-1	0.009979174	0.290701023	29.1307707	0.0007
miR-210-1	0.093916289	0.714983954	7.612991963	0.0284
miR-198-2	0.003563696	0.003491736	-1.020608544	ns
miR-211-1	0.019384041	0.016417977	-1.180659573	ns
miR-215-1	0.032984158	0.143767789	4.358692035	0.0108
miR-218-1	0.012997207	0.070814628	5.448449476	ns
miR-221-1	0.090600219	3.572610282	39.43268936	0.0005
miR-222-2	0.147849725	2.348173975	15.88216665	0.0083
miR-223-1	0.323491384	0.928917157	2.871536003	0.0353
miR-301b-1	0.007837431	0.041275823	5.266499017	ns
miR-302b-1	0.003552264	0.006489196	1.82677744	ns
miR-302b*-2	0.003664613	0.006035627	1.64700239	ns
miR-324-5p-1	0.016350843	0.612598674	37.46587647	<0.0001
miR-325-1	0.003648086	0.002044912	-1.783981802	ns
miR-326-1	0.071401268	0.287875658	4.031800355	0.014
miR-328-1	0.050614564	0.413923104	8.177944632	0.0003
miR-338-1	0.012235863	0.090565992	7.401684259	0.0015
miR-340-2	0.004415594	0.004773253	1.080999106	ns
miR-365-1	0.436159526	2.494133214	5.718396751	0.0115
miR-370-1	2.77208023	19.46965444	7.023481581	0.0433
miR-373*-1	0.0064713	0.014643055	2.262768808	ns
miR-455-1	0.043922006	0.151516953	3.449681974	0.0108
miR-455-3p-1	0.313360798	0.966219848	3.083410095	0.0258
miR-486-3p-1	0.003620291	0.004176428	1.153616644	ns
miR-491-1	0.003739279	0.013097869	3.502778915	0.0062
miR-602-2	0.004996373	0.003095047	-1.614312636	0.0033
miR-638-3	1.45245239	0.479448174	-3.029425218	0.0449
miR-664-1	0.174755992	2.720457874	15.56717941	0.0001
miR-888-1	0.00355383	0.001882618	-1.887706435	ns
miR-940-2	1.223357045	1.07232405	-1.140846412	ns
miR-1228*-2	0.010069424	0.005450612	-1.847393113	ns
miR-1246-1	31.81663289	8.454801612	-3.763143638	0.0062
miR-1290-1	0.020147156	0.009294177	-2.167718049	ns