

Table SI. MicroRNA signature. Wild type Δ Np63 α cells exposed to cisplatin versus**control media.**

3634	IVGN-novel-miR_3634	-4.445734905	6.486605955	-4.79212388
3694	IVGN-novel-miR_3694	-3.989995803	3.683211737	-4.180894337
3620	IVGN-novel-miR_3620	-3.17688451	4.031727057	-4.043520561
3507	IVGN-novel-miR_3507	-2.553774897	3.228726179	-3.871686317
3520	IVGN-novel-miR_3520	-1.867023254	4.042678221	-3.647791459
2146	hsa-miR-519a	-2.24701252	3.190867254	-3.766551331
3301	IVGN-novel-miR_3301	-1.759447389	4.605329251	-3.385684147
3614	IVGN-novel-miR_3614	-1.710516676	8.255784151	-3.272780112
1179	hsa-miR-181a	-2.019117578	3.199781932	-3.238783373
3453	IVGN-novel-miR_3453	-1.621877349	5.175089406	-3.077752773
3620	hsa-miR-374a	-1.692753935	3.093725664	-2.899941089
3668	IVGN-novel-miR_3668	-1.5257482	5.791557028	-2.879360046
3618	IVGN-novel-miR_3618	-1.514654804	6.664763916	-2.857304526
3676	IVGN-novel-miR_3676	-1.474945132	8.395913564	-2.77973072
3615	IVGN-novel-miR_3615	-1.443545484	7.041316424	-2.71988468
3689	IVGN-novel-miR_3689	-1.421057059	7.291134092	-2.67781642
1310	hsa-miR-29c	-1.234809795	4.345364231	-2.614012672
3427	IVGN-novel-miR_3427	-1.386007083	9.939608965	-2.613543339
2342	hsa-miR-98	-1.17688451	4.031727057	-2.443520561
3601	IVGN-novel-miR_3601	-1.280539203	9.164996119	-2.429297543
2931	hsa-miR-22	-1.001379509	5.957993234	-1.971404697
1487	hsa-miR-18b	-1.012611208	3.538174123	-1.715947277
3335	IVGN-novel-miR_3335	-1.036974846	3.536323257	-1.715703772
2110	hsa-miR-569	-3.966383725	3.935030593	-1.713149354
1323	hsa-let-7d*	-3.873687115	3.888682288	-1.711587188
1924	hsa-miR-374b	-3.459428099	3.68155278	-1.709997317
2757	hsa-miR-128a;hsa-miR-128b	-3.355166698	4.274332371	-1.703306698
2342	hsa-miR-375	-3.292773077	3.598225269	-1.699941089
2217	hsa-miR-517b	-3.289972213	4.022429858	-1.680933834
2146	hsa-miR-10a	-3.234809795	4.345364231	-1.674012672
2150	hsa-miR-598	-3.2304761	7.789325484	1.673776461
2607	hsa-miR-22*	-2.995048692	4.50382149	-1.672591179
2931	hsa-miR-34c-3p	-2.901379509	5.957993234	-1.671404697
2986	hsa-miR-492	-2.853673668	3.378675565	-1.670386597
3012	hsa-miR-515-3p	-2.763738503	4.285546713	-1.669538854
1409	hsa-miR-146a	-2.644780311	8.220874345	-1.654004731
1366	hsa-miR-339-5p	-2.480093016	3.667804604	-1.649334376
1380	hsa-miR-126	-2.478259854	4.858534934	-1.642249488
1064	hsa-miR-100	-2.262902195	7.127256661	-1.639560141
3274	hsa-miR-155	-2.07217422	6.460133533	-1.605199425
1361	hsa-miR-148a	-2.064929125	5.54193039	-1.584134202
3245	hsa-miR-30c-2*	-2.037159263	4.123748461	-1.574365648
1242	hsa-miR-184	-1.986458212	3.790879008	-1.572629852
1182	hsa-miR-125b	-1.981348086	8.779508179	-1.548618772
3015	hsa-miR-101*	-1.97394261	3.237259632	-1.528402106
1850	hsa-miR-18a*	-1.972800172	4.134872461	-1.525292524
2998	hsa-miR-625	-1.953050856	7.397598688	-1.521924594
2237	hsa-miR-146b-5p	-1.906138111	3.870643764	-1.518044574
3097	hsa-miR-455-3p	-1.849115455	8.38662006	-1.502792229
2938	hsa-miR-652	-1.833891964	5.421059447	-1.501975011
2996	hsa-miR-27a*	-1.803548821	6.42491883	-1.490778511
1362	hsa-miR-148b	-1.778805607	5.355237153	-1.489141973

2328	hsa-miR-659	-1.770794767	3.852695637	-1.472418918
2563	hsa-miR-199a-3p;hsa-miR-199b-3p	-1.769082773	4.694926209	-1.468371926
2134	hsa-miR-429	-1.758024896	5.036039488	-1.452347517
3208	hsa-miR-183*	-1.753369821	4.995516792	-1.441451447
3217	hsa-let-7e	-1.741244749	9.405219597	-1.433234957
3294	hsa-miR-30e*	-1.699437803	5.82966926	-1.431743742
3022	hsa-miR-421	-1.680163542	5.691440213	1.404642764
2903	hsa-miR-362-3p	-1.606009336	4.9756944	-1.404408646
1487	hsa-miR-197	-1.592611208	3.538174123	-1.385947277
3169	hsa-miR-26b	-1.584755475	6.042418003	-1.379569533
3183	hsa-miR-361-3p	-1.584427229	5.659090291	-1.368887141
3024	hsa-miR-23a	-1.542444376	10.83255273	-1.342876178
1959	hsa-miR-532-5p	-1.523716781	4.808236961	-1.315308552
1311	hsa-miR-195	-1.522586395	4.154560486	1.303056562
2947	hsa-miR-181a-2*	-1.507563049	5.80333379	-1.293293539
1301	hsa-miR-10b	-1.469459087	7.293156654	-1.269180487
2340	hsa-miR-133a	-1.457587722	5.072043677	-1.246487493
3168	hsa-miR-335	-1.454784569	4.285946147	-1.241156255
3295	hsa-miR-30a*	-1.452322769	4.936006903	-1.236482764
2979	hsa-miR-27b*	-1.446718728	6.702392181	-1.225873719
2191	hsa-miR-484	-1.446392752	5.902699394	-1.225257878
3149	hsa-miR-325	-1.404547051	3.626796857	-1.217346529
3135	hsa-miR-140-3p	-1.397533408	4.545387673	-1.214507721
3099	hsa-miR-24-2*	-1.397277193	6.187180566	-1.214039888
3114	hsa-miR-33a	-1.392402777	3.599878849	-1.205155307
1015	hsa-miR-181c	-1.373596309	5.922130953	-1.191156779
2949	hsa-miR-941	-1.361139159	3.829041954	-1.188879394
2034	hsa-miR-525-5p	-1.360061042	3.583707982	-1.166960404
1313	hsa-miR-15b	-1.310878039	10.24056544	-1.148024857
2861	hsa-miR-769-5p	-1.284765692	4.308484517	-1.143424795
3297	hsa-miR-96	-1.278434	5.561137992	-1.142755259
1106	hsa-miR-140-5p	-1.275691077	6.645146621	-1.121147675
2772	hsa-miR-151-5p	-1.264207025	10.09546816	-1.101951507
1793	hsa-miR-646	-1.263359768	7.157872897	-1.100541318
2281	hsa-miR-30c	-1.256083201	6.472655694	-1.088464114
1014	hsa-miR-132	-1.236326665	5.914422152	-1.055978976
3574	IVGN-novel-miR_3574	-1.235196766	6.022957324	-1.054134528
1183	hsa-miR-331-3p	-1.234022295	4.538849347	-1.052218852
1063	hsa-miR-99b	-1.231077206	7.132162397	-1.047421976
3296	hsa-miR-182	-1.222597744	9.845857772	-1.033665434
2922	hsa-miR-28-5p	-1.208800479	6.971216584	-1.031453723
3602	IVGN-novel-miR_3602	-1.201079275	6.942273858	-1.029116027
2132	hsa-miR-200b	-1.199629538	9.340459132	-1.029080685
3063	hsa-miR-125a-5p	-1.197700266	8.338648063	-1.028737452
3625	IVGN-novel-miR_3625	-1.197458073	10.94417627	-1.028352422
1392	hsa-miR-149	-1.176656428	5.848633144	-1.026522735
3023	hsa-miR-23b	-1.171866275	11.18122845	-1.025329611
1108	hsa-miR-208	-1.171665527	4.742859804	-1.025216128
3350	IVGN-novel-miR_3350	-1.159400629	8.10641001	-1.023646109
2923	hsa-miR-708	-1.156806244	3.769953862	-1.022632975
3157	hsa-miR-183	-1.150241388	7.909767297	-1.021510276
1393	hsa-miR-326	-1.13219639	6.577181601	-1.019921893
3626	IVGN-novel-miR_3626	-1.125789245	11.266969	-1.018208944
2915	hsa-miR-193b	-1.117242169	8.025472796	-1.016918927
3553	IVGN-novel-miR_3553	-1.116268238	10.05802614	-1.016754961
3280	hsa-miR-27b	-1.111697033	8.363075066	-1.016096946
3030	hsa-miR-200b*	-1.102403415	6.269056666	-1.014712088

1940	hsa-miR-502-5p	-1.102367222	4.026211627	-1.014707016
1485	hsa-miR-27a	-1.088579806	9.979533099	-1.012645856
2948	hsa-miR-665	-1.085494881	3.544989697	-1.012103293
3210	hsa-miR-192	-1.08455724	5.2357245	-1.012074537
2332	hsa-miR-592	-1.082065349	3.987854804	-1.011764684
3586	IVGN-novel-miR_3586	-1.069741184	5.922986153	-1.009956768
3324	IVGN-novel-miR_3324	-1.069607154	8.059695039	-1.009886177
3421	IVGN-novel-miR_3421	-1.065635042	7.391760919	-1.009309009
3469	IVGN-novel-miR_3469	-1.06426399	7.363987363	-1.009112803
3616	IVGN-novel-miR_3616	-1.054097291	9.072899715	-1.008648564
1199	hsa-miR-151-3p	-1.042891007	9.199445687	-1.008603525
2908	hsa-miR-181b	-1.042517228	10.93028331	1.008598185
1002	hsa-miR-330-3p	-1.039862345	8.703415195	-1.008560314
1033	hsa-let-7f	-1.039042122	11.45548073	-1.008548628
3054	hsa-miR-301a	-1.035416908	5.863257035	-1.008497058
3596	IVGN-novel-miR_3596	-1.007768422	6.762517255	-1.008107983
2909	hsa-miR-181d	-0.987780951	7.79658125	-1.008102333
3106	hsa-miR-23b*	-0.986663939	6.006732384	-1.008100748
3572	IVGN-novel-miR_3572	-0.976876877	9.14896394	-1.008090166
1292	hsa-miR-18a	-0.974218571	8.445673267	-1.007645706
3617	IVGN-novel-miR_3617	-0.967256436	9.860562073	-1.007551191
3658	IVGN-novel-miR_3658	-0.947200745	7.32302749	-1.007281278
1483	hsa-miR-26a	-0.934120553	11.701806	-1.007255289
2791	hsa-let-7g	-0.928629942	10.44643122	-1.007246756
3458	IVGN-novel-miR_3458	-0.926589712	9.524031028	-1.007177564
3657	IVGN-novel-miR_3657	-0.922391862	6.955810104	-1.006952856
3619	IVGN-novel-miR_3619	-0.89864233	5.120774186	-1.006431072
3538	IVGN-novel-miR_3538	-0.862641591	6.792300065	-1.006183641
3311	IVGN-novel-miR_3311	-0.861487782	7.201741308	-1.006011037
1880	hsa-miR-671-5p	-0.858061055	3.50501824	-1.006001585
2956	hsa-miR-28-3p	-0.854918601	6.38714639	-1.005656705
3270	hsa-miR-636	-0.851848799	4.911649918	-1.005482293
3504	IVGN-novel-miR_3504	-0.848972735	9.665221146	-1.005121798
3250	hsa-miR-629	-0.847404341	6.300861764	-1.004920829
3330	IVGN-novel-miR_3330	-0.833324072	10.23379292	-1.004785999
2904	hsa-miR-21*	-0.826844004	6.412346748	-1.003780802
3536	IVGN-novel-miR_3536	-0.813782682	10.0035217	-1.003780436
1030	hsa-let-7a	-0.795366814	13.54617	-1.003558585
3486	IVGN-novel-miR_3486	-0.78928356	4.714953444	-1.003281602
1115	hsa-miR-324-5p	-0.786486942	5.784404661	-1.003248694
1088	hsa-miR-221	-0.786094727	10.12674941	-1.002740309
3277	hsa-miR-361-5p	-0.759265752	7.93094843	-1.002628956
2516	hsa-miR-320	-0.749690092	9.234902165	-1.002614316
3355	IVGN-novel-miR_3355	-0.7455731	9.736154803	-1.002607664
3611	IVGN-novel-miR_3611	-0.744518002	5.742859842	-1.002541428
1260	hsa-miR-203	-0.737230751	6.740818813	-1.002530916
2894	hsa-miR-20b	-0.735104689	5.700533726	-1.002526582
1287	hsa-miR-200a	-0.734918242	9.129760703	-1.002464315
3189	hsa-miR-886-5p	-0.729789744	7.445375705	-1.002397382
2005	hsa-miR-130a	-0.71754464	7.460183099	-1.002264437
2985	hsa-miR-423-3p	-0.711341273	7.160372962	-1.002237325
2926	hsa-miR-224	-0.710789374	7.493685218	-1.002163997
1037	hsa-miR-373	-0.710432607	5.929404391	-1.002094703
3404	IVGN-novel-miR_3404	-0.7090931	10.09461087	-1.001976149
3599	IVGN-novel-miR_3599	-0.706104175	6.515993218	-1.001962783
3456	IVGN-novel-miR_3456	-0.680847028	7.352638766	-1.001838671
2182	hsa-miR-92b	-0.675442941	6.000019251	-1.001797874

3304	IVGN-novel-miR_3304	-0.66936924	9.191182042	-1.001776488
2282	hsa-miR-30e	-0.664896775	5.883806066	-1.001585483
3425	IVGN-novel-miR_3425	-0.658277767	9.16281515	-1.001581975
1139	hsa-miR-25	-0.657203145	8.613735721	-1.001570292
3302	IVGN-novel-miR_3302	-0.650092218	9.193405784	-1.001569501
3145	hsa-miR-29b	-0.644094261	6.396459605	-1.001562763
3395	IVGN-novel-miR_3395	-0.640339516	9.938967584	-1.001558631
3211	hsa-miR-345	-0.635682611	5.919608651	-1.001553696
2259	hsa-miR-516a-3p;hsa-miR-516b*	-0.62366369	6.383046319	-1.001540999
3303	IVGN-novel-miR_3303	-0.614120697	9.292229345	-1.001530618
3309	IVGN-novel-miR_3309	-0.612605065	9.996716828	-1.001529654
2594	hsa-miR-222	-0.609626988	9.439504039	-1.001525642
2896	hsa-miR-17	-0.60923198	10.49201426	-1.001525449
3039	hsa-miR-93	-0.607816099	9.25346497	-1.001523959
3042	hsa-miR-191	-0.606865652	8.626065445	-1.001522941
3521	IVGN-novel-miR_3521	-0.593616524	11.00710033	-1.001509028
3391	IVGN-novel-miR_3391	-0.585592195	9.941292394	-1.001500849
1251	hsa-miR-30d	-0.57392146	9.977547777	-1.001488515
2584	hsa-let-7d	-0.57231607	12.07795099	-1.001486905
1312	hsa-miR-15a	-0.541512243	8.354781563	-1.001455738
2280	hsa-miR-30b	-0.537755144	8.980607707	-1.001451773
3125	hsa-miR-302d	-0.533241996	4.116295039	-1.001447613
2117	hsa-miR-141	-0.530034518	7.740769108	-1.001443943
2740	hsa-miR-16	-0.524409673	10.92907098	-1.001438312
2984	hsa-miR-103	-0.523957103	11.40406465	-1.001437378
3257	hsa-miR-30a	-0.510279055	7.747197196	-1.001432671
3442	IVGN-novel-miR_3442	-0.508124855	3.587481508	-1.001422487
1368	hsa-miR-205	-0.493068582	11.07730907	-1.001412428
2329	hsa-miR-493*	-0.49228498	5.147400672	-1.001406036
3551	IVGN-novel-miR_3551	-0.490583843	10.46904167	-1.001405013
2176	hsa-miR-584	-0.476386816	5.043705807	-1.001391945
3267	hsa-miR-19a	-0.475977055	4.623686429	-1.001390851
2983	hsa-miR-107	-0.474943902	11.21588483	-1.001384175
2936	hsa-miR-425	-0.472876997	7.724235152	-1.001383385
3480	IVGN-novel-miR_3480	-0.472572783	10.69200411	-1.001375817
3412	IVGN-novel-miR_3412	-0.469902182	11.05474923	-1.001365557
3682	IVGN-novel-miR_3682	-0.46804303	9.159290405	-1.001363235
3488	IVGN-novel-miR_3488	-0.460740356	10.53968813	-1.001362478
3472	IVGN-novel-miR_3472	-0.458081235	12.38109612	-1.001361712
3701	IVGN-novel-miR_3701	-0.455740317	10.97783044	-1.001361401
1054	hsa-miR-92a	-0.441837871	10.22575313	-1.001358627
3647	IVGN-novel-miR_3647	-0.434478027	11.09362438	-1.001351795
2517	hsa-miR-106a	-0.43208563	10.76014518	-1.001349611
3549	IVGN-novel-miR_3549	-0.430669036	7.421579055	-1.001347889
3698	IVGN-novel-miR_3698	-0.421996863	6.95905048	-1.001339689
3606	IVGN-novel-miR_3606	-0.419884512	5.265850376	-1.001337458
1952	hsa-miR-200a*	-0.418130577	5.104324496	-1.001336011
3487	IVGN-novel-miR_3487	-0.41345988	9.806173688	-1.001331801
3413	IVGN-novel-miR_3413	-0.408422042	9.779923534	-1.001327249
3009	hsa-miR-130b	-0.402574432	8.419913459	-1.001321822
1282	hsa-miR-106b	-0.394216057	10.09270295	-1.001314243
3673	IVGN-novel-miR_3673	-0.39381918	10.10725192	-1.001313943
3128	hsa-miR-200c	-0.385653148	12.65912079	-1.001306112
3691	IVGN-novel-miR_3691	-0.384957111	9.573428561	-1.001305867
3338	IVGN-novel-miR_3338	-0.375302868	9.872397449	-1.001297832
3119	hsa-miR-20a	-0.369457826	11.26366259	-1.001291868
3403	IVGN-novel-miR_3403	-0.368592821	10.10253223	-1.001291097

3702	IVGN-novel-miR_3702	-0.36540922	9.788855105	-1.001288988
3604	IVGN-novel-miR_3604	-0.362379043	7.862940329	-1.001285547
3565	IVGN-novel-miR_3565	-0.347033926	10.97019376	-1.001271917
3672	IVGN-novel-miR_3672	-0.329779204	9.615686416	-1.001268211
2916	hsa-miR-452	-0.327306382	7.436556513	-1.001264828
2205	hsa-miR-615-3p	-0.319676816	4.414359199	-1.001260537
3345	IVGN-novel-miR_3345	-0.317887048	9.565677674	-1.001253598
3462	IVGN-novel-miR_3462	-0.317781958	11.20441135	-1.001251283
3535	IVGN-novel-miR_3535	-0.313585345	9.745648768	-1.001249418
3503	IVGN-novel-miR_3503	-0.309739587	10.03807316	-1.001248948
3402	IVGN-novel-miR_3402	-0.306794627	10.25316109	-1.001246981
3502	IVGN-novel-miR_3502	-0.302022746	10.34013904	-1.001238763
2943	hsa-miR-125a-3p	-0.277451327	4.548309003	-1.001235179
2958	hsa-miR-371-5p	-0.269162512	3.438819218	-1.001235108
1044	hsa-miR-24	-0.264913469	12.91700866	-1.001235079
3289	hsa-miR-768-5p	-0.257282801	10.51376332	-1.001222594
3197	hsa-miR-342-3p	-0.251843477	5.398830872	-1.001222466
3513	IVGN-novel-miR_3513	-0.249903248	11.9779117	-1.001219365
3306	IVGN-novel-miR_3306	-0.249663665	9.664423334	-1.001218892
3424	IVGN-novel-miR_3424	-0.240949288	10.97080638	-1.001218776
1431	hsa-let-7b	-0.229701454	13.38887537	-1.001217272
3534	IVGN-novel-miR_3534	-0.227645383	5.680233845	-1.001215221
1268	hsa-let-7c	-0.226550128	12.95257018	-1.001214033
3369	IVGN-novel-miR_3369	-0.221508187	5.903928799	-1.001213651
3215	hsa-miR-339-3p	-0.212564294	5.025753642	-1.001213587
3523	IVGN-novel-miR_3523	-0.210028001	11.66319567	-1.001156719
3083	hsa-miR-17*	-0.208732526	6.118053396	-1.001155672
2339	hsa-miR-557	-0.205942994	5.076711849	-1.001153449
3385	IVGN-novel-miR_3385	-0.205111597	7.10169585	-1.001152775
2291	hsa-miR-210	-0.199007604	10.35398974	-1.001151479
1082	hsa-miR-324-3p	-0.198566233	5.383424469	-1.001150475
3457	IVGN-novel-miR_3457	-0.198530483	8.572411834	-1.001149528
3497	IVGN-novel-miR_3497	-0.193287	9.748801322	-1.001146576
3351	IVGN-novel-miR_3351	-0.185635352	8.398586827	-1.001145317
3463	IVGN-novel-miR_3463	-0.185109821	9.504847013	-1.001143903
3475	IVGN-novel-miR_3475	-0.181542398	9.94189786	-1.001140909
3570	IVGN-novel-miR_3570	-0.181394769	8.184958382	-1.001139799
3566	IVGN-novel-miR_3566	-0.172341076	8.106324359	-1.001138861
3343	IVGN-novel-miR_3343	-0.171409075	6.579912996	-1.001136152
3490	IVGN-novel-miR_3490	-0.164003427	10.63153957	-1.001134876
3518	IVGN-novel-miR_3518	-0.161328232	12.09383814	-1.001131654
2877	hsa-miR-548c-5p	-0.154866793	4.42306493	-1.001131588
3550	IVGN-novel-miR_3550	-0.150048697	9.637255444	-1.001128999
3383	IVGN-novel-miR_3383	-0.14742139	9.626656029	-1.001125889
3386	IVGN-novel-miR_3386	-0.141860917	7.341148603	-1.001125369
3410	IVGN-novel-miR_3410	-0.139057983	9.051703364	-1.001124515
3680	IVGN-novel-miR_3680	-0.138899459	8.424732593	-1.001064862
3156	hsa-miR-135a*	-0.137374128	4.521188596	-1.000999015
1315	hsa-miR-21	-0.136189645	11.11265614	-1.000989673
1851	hsa-miR-378	-0.134775419	7.14235924	-1.000979218
3365	IVGN-novel-miR_3365	-0.134425151	6.599649395	-1.000976551
3681	IVGN-novel-miR_3681	-0.127245495	8.834784936	-1.000922064
3248	hsa-miR-612	-0.124571129	4.880399932	-1.000918605
3359	IVGN-novel-miR_3359	-0.123659798	6.699184382	-1.000895168
3607	IVGN-novel-miR_3607	-0.115068284	8.007262862	-1.000870305
3679	IVGN-novel-miR_3679	-0.107350285	8.734454407	-1.000867899
3382	IVGN-novel-miR_3382	-0.106873088	9.541439642	-1.000861894

3069	hsa-miR-886-3p	-0.106437932	5.227279274	-1.000860668
3118	hsa-miR-23a*	-0.098056486	5.654142624	-1.000833604
1092	hsa-miR-31	-0.096991815	12.33174155	-1.008629102
3560	IVGN-novel-miR_3560	-0.094211435	10.91617709	-1.007481772
3363	IVGN-novel-miR_3363	-0.082968868	5.82954579	-1.007295478
3548	IVGN-novel-miR_3548	-0.082902104	4.440256369	-1.006914629
3108	hsa-miR-193b*	-0.080507843	4.634710107	-1.006739187
2992	hsa-miR-25*	-0.072666186	3.998517091	-1.006598416
3466	IVGN-novel-miR_3466	-0.062140617	7.687861973	-1.006443681
2245	hsa-let-7i	-0.048985812	11.88467018	-1.006437407
3384	IVGN-novel-miR_3384	-0.047690661	7.257845917	-1.006099089
3426	IVGN-novel-miR_3426	-0.040715329	8.851042811	-1.006023721
2902	hsa-miR-338-5p	-0.038676058	4.114616559	-1.005770773
3485	IVGN-novel-miR_3485	-0.030926553	8.513887217	-1.005668069
3310	IVGN-novel-miR_3310	-0.030429895	9.924581739	-1.005316413
3266	hsa-miR-19b	-0.029470464	8.053755774	-1.004637435
3492	IVGN-novel-miR_3492	-0.027932924	6.531262599	-1.003550279
3394	IVGN-novel-miR_3394	-0.027514923	9.276049083	-1.003254922
3563	IVGN-novel-miR_3563	-0.018803843	7.214914995	-1.003119141
2910	hsa-miR-181c*	-0.009669895	4.804519148	-1.002725174
3171	hsa-miR-768-3p	-0.002765144	10.68509659	-1.002191849
3564	IVGN-novel-miR_3564	0.009858767	7.53949967	1.000085699
3415	IVGN-novel-miR_3415	0.013498204	8.79014626	1.000010949
3613	IVGN-novel-miR_3613	0.014606184	7.313243058	1.000011756
3573	IVGN-novel-miR_3573	0.017321873	9.327553677	1.000012076
3624	IVGN-novel-miR_3624	0.018051485	6.251441865	1.000012543
3316	IVGN-novel-miR_3316	0.030465443	9.865051188	1.000021378
3378	IVGN-novel-miR_3378	0.03584667	7.146240702	1.000025178
1913	hsa-miR-644	0.03650558	4.903710351	1.000025627
3216	hsa-miR-423-5p	0.040204708	8.103853805	1.000028219
3646	IVGN-novel-miR_3646	0.046382541	6.228478445	1.000032672
3700	IVGN-novel-miR_3700	0.050181503	7.345860284	1.000035397
2271	hsa-miR-585	0.050928738	4.300491204	1.000035933
3341	IVGN-novel-miR_3341	0.057415263	9.291047183	1.000040548
3514	IVGN-novel-miR_3514	0.05905687	9.624136804	1.000041795
3643	IVGN-novel-miR_3643	0.061261056	4.762420171	1.000043376
3473	IVGN-novel-miR_3473	0.063111627	6.013266517	1.000044713
2230	hsa-miR-494	0.068659655	9.129927291	1.000048789
3656	IVGN-novel-miR_3656	0.082997721	5.741065362	1.000059262
3354	IVGN-novel-miR_3354	0.085593645	9.225107022	1.000061127
3449	IVGN-novel-miR_3449	0.103303732	4.28677436	1.000074607
3445	IVGN-novel-miR_3445	0.112612493	9.90044769	1.000081119
3174	hsa-miR-923	0.116359572	8.817996284	1.000083994
3346	IVGN-novel-miR_3346	0.120688653	10.50324708	1.000087226
3401	IVGN-novel-miR_3401	0.129662517	9.671239817	1.000094048
3372	IVGN-novel-miR_3372	0.135807357	6.794854054	1.000098708
3517	IVGN-novel-miR_3517	0.141959449	9.037378075	1.000103725
3595	IVGN-novel-miR_3595	0.153964614	11.31360126	1.000112683
3697	IVGN-novel-miR_3697	0.16228876	8.61808279	1.000119062
2898	hsa-miR-520d-3p	0.163023069	4.109773658	1.000119792
3357	IVGN-novel-miR_3357	0.176349236	9.703589361	1.000130728
3699	IVGN-novel-miR_3699	0.177151426	9.695100191	1.000130923
3416	IVGN-novel-miR_3416	0.188851888	7.233079949	1.000139845
3397	IVGN-novel-miR_3397	0.197553479	8.757979299	1.000146744
3448	IVGN-novel-miR_3448	0.204766886	9.780979722	1.000152508
3454	IVGN-novel-miR_3454	0.20554546	10.91995104	1.000153242
3695	IVGN-novel-miR_3695	0.213690389	9.408968938	1.000159076

2088	hsa-miR-601	0.223471501	4.908179669	1.000167515
1455	hsa-miR-328	0.227670025	4.343315363	1.000170931
2865	hsa-miR-769-3p	0.235279629	5.192210811	1.000177132
3594	IVGN-novel-miR_3594	0.23926538	11.31492777	1.000180393
3322	IVGN-novel-miR_3322	0.24272916	10.30531031	1.000183271
3327	IVGN-novel-miR_3327	0.245785773	9.253802589	1.000185735
3512	IVGN-novel-miR_3512	0.249980169	8.610808831	1.000189193
3686	IVGN-novel-miR_3686	0.261847401	10.98239977	1.000194013
3396	IVGN-novel-miR_3396	0.261987577	9.693692421	1.000196129
3450	IVGN-novel-miR_3450	0.264202777	9.79473819	1.000197218
2841	hsa-miR-766	0.268957601	6.418933509	1.000204936
3543	IVGN-novel-miR_3543	0.284064749	7.43906708	1.000217629
3506	IVGN-novel-miR_3506	0.290027989	9.999034605	1.000222068
3262	hsa-miR-593	0.290042274	4.951409657	1.000222604
3531	IVGN-novel-miR_3531	0.294458733	9.990512294	1.000226464
3526	IVGN-novel-miR_3526	0.303530351	6.561058821	1.000234168
3529	IVGN-novel-miR_3529	0.314260626	3.458624342	1.000247467
3246	hsa-miR-30c-1*	0.326679341	5.714247777	1.000254427
3505	IVGN-novel-miR_3505	0.331811432	9.946750049	1.000258598
1884	hsa-miR-564	0.338764367	3.641002639	1.000264968
3323	IVGN-novel-miR_3323	0.347481483	3.393827162	1.000272364
3483	IVGN-novel-miR_3483	0.348283607	3.864260131	1.000273068
3407	IVGN-novel-miR_3407	0.35027651	10.25057021	1.000274806
3325	IVGN-novel-miR_3325	0.377664693	3.796294292	1.000299262
3318	IVGN-novel-miR_3318	0.391851267	9.728596897	1.000312081
3459	IVGN-novel-miR_3459	0.394418912	10.51176281	1.000314414
3254	hsa-miR-541	0.394819461	4.052284363	1.000314719
3515	IVGN-novel-miR_3515	0.429183826	8.144669669	1.000346473
2999	hsa-miR-342-5p	0.440599527	4.825693658	1.000357165
3447	IVGN-novel-miR_3447	0.442525783	10.37244246	1.000358988
3576	IVGN-novel-miR_3576	0.44584026	8.401314965	1.000362109
3423	IVGN-novel-miR_3423	0.45167778	7.630729168	1.000367615
3470	IVGN-novel-miR_3470	0.451762839	4.650489115	1.000367711
3387	IVGN-novel-miR_3387	0.45672848	10.17925717	1.000372421
3591	IVGN-novel-miR_3591	0.458497175	4.157174433	1.000374191
3319	IVGN-novel-miR_3319	0.460250917	10.15205178	1.000375777
3084	hsa-miR-29b-1*	0.462460185	5.73242373	1.000377849
1910	hsa-miR-512-3p	0.474104868	4.550537543	1.000389001
3066	hsa-miR-875-3p	0.4747687	3.923579698	1.000389699
1804	hsa-miR-648	0.485582379	3.96828119	1.000400157
3337	IVGN-novel-miR_3337	0.487807656	9.369580774	1.000402378
2165	hsa-miR-196a	0.490927516	5.745033721	1.000405391
3376	IVGN-novel-miR_3376	0.493510416	6.575271286	1.000406381
3582	IVGN-novel-miR_3582	0.502582167	10.6069511	1.000416019
3623	IVGN-novel-miR_3623	0.504034402	9.627128413	1.000418173
2267	hsa-miR-449a	0.506474125	5.532963379	1.000420577
3332	IVGN-novel-miR_3332	0.508437715	11.28431533	1.000422508
2900	hsa-miR-551b*	0.520420066	5.393593766	1.000434372
3399	IVGN-novel-miR_3399	0.528576824	9.457035011	1.000459504
3527	IVGN-novel-miR_3527	0.538541034	9.905011108	1.000492589
3255	hsa-miR-876-3p	0.543520188	4.243710611	1.000505554
3650	IVGN-novel-miR_3650	0.557712891	11.0860147	1.000519395
3436	IVGN-novel-miR_3436	0.559177314	6.739862239	1.000534286
3279	hsa-miR-513-5p	0.580608845	8.617534112	1.000548027
3577	IVGN-novel-miR_3577	0.582204667	8.848061548	1.000599362
3381	IVGN-novel-miR_3381	0.584593333	5.0046944	1.000616218
3419	IVGN-novel-miR_3419	0.590496359	8.453529757	1.000637167

3353	IVGN-novel-miR_3353	0.596123482	8.331813846	1.000643307
3627	IVGN-novel-miR_3627	0.611027816	11.38495437	1.000646946
3143	hsa-miR-877	0.618035226	6.12762079	1.000783579
1247	hsa-miR-34a	0.629702006	7.626034192	1.000945371
2981	hsa-miR-219-1-3p	0.644872314	4.053055473	1.001010894
1943	hsa-miR-425*	0.647779562	4.923011613	1.001024962
3091	hsa-miR-202	0.65136256	3.717354349	1.001050904
2846	hsa-miR-801	0.653647866	6.399849839	1.001140871
3390	IVGN-novel-miR_3390	0.659490776	9.384545554	1.001225005
3628	IVGN-novel-miR_3628	0.664217178	6.42344555	1.001278161
3675	IVGN-novel-miR_3675	0.664643088	5.262562427	1.001376064
3477	IVGN-novel-miR_3477	0.667116079	7.62981709	1.001435618
3233	hsa-miR-214*	0.668918689	5.36110956	1.001480893
1321	hsa-miR-196b	0.68267069	5.93269918	1.001508353
3590	IVGN-novel-miR_3590	0.683084663	9.8656435	1.001568996
3422	IVGN-novel-miR_3422	0.690453442	10.69910568	1.001590656
3438	IVGN-novel-miR_3438	0.731583282	10.05362528	1.001690361
3094	hsa-miR-509-3p	0.736292027	4.936789713	1.001888713
3188	hsa-miR-877*	0.7370065	4.137161449	1.001913923
3393	IVGN-novel-miR_3393	0.739736698	10.15881851	1.002071048
3655	IVGN-novel-miR_3655	0.742706013	5.021314546	1.002119469
3011	hsa-miR-550	0.748909349	4.056939054	1.002251907
3499	IVGN-novel-miR_3499	0.779301083	9.713926728	1.002299207
3632	IVGN-novel-miR_3632	0.798713557	4.155802438	1.002549289
3411	IVGN-novel-miR_3411	0.800633236	9.938759369	1.002865509
3433	IVGN-novel-miR_3433	0.813090163	10.05063476	1.002970737
3331	IVGN-novel-miR_3331	0.815175254	9.815119959	1.003111879
3557	IVGN-novel-miR_3557	0.817995247	8.847030097	1.003354508
3435	IVGN-novel-miR_3435	0.820438876	7.698112566	1.003943121
3263	hsa-miR-346	0.827275532	4.943140992	1.004131448
3677	IVGN-novel-miR_3677	0.832144621	9.765968797	1.004299249
3644	IVGN-novel-miR_3644	0.841943714	4.282567313	1.005463466
3342	IVGN-novel-miR_3342	0.843632156	7.295896221	1.006562483
3568	IVGN-novel-miR_3568	0.846806903	9.668615629	1.007515887
3629	IVGN-novel-miR_3629	0.856521922	9.388433224	1.007667851
3608	IVGN-novel-miR_3608	0.889261547	9.286175176	1.008227805
3006	hsa-miR-92a-1*	0.902586566	4.48007169	1.008414599
3569	IVGN-novel-miR_3569	0.913603871	7.704950147	1.008745246
3432	IVGN-novel-miR_3432	0.913711183	9.147145068	1.009388537
3271	hsa-miR-147	0.918935371	4.963275624	1.009719532
1891	hsa-miR-663	0.922799763	4.042713584	1.015790788
3516	IVGN-novel-miR_3516	0.93985295	6.649265576	1.018332698
2944	hsa-miR-936	0.955399237	4.463307865	1.039116171
3256	hsa-miR-29b-2*	0.959004228	5.241981759	1.043967673
3300	hsa-miR-129-5p	0.967518754	5.620481838	1.055474541
3460	IVGN-novel-miR_3460	0.969394844	10.64722402	1.058019109
3593	IVGN-novel-miR_3593	0.974957659	7.969255724	1.075583509
3236	hsa-miR-744	1.015402881	5.256273316	1.082146732
3437	IVGN-novel-miR_3437	1.017385633	10.84281521	1.084247413
3320	IVGN-novel-miR_3320	1.020765711	10.37145017	1.085995564
3666	IVGN-novel-miR_3666	1.022166629	9.833797571	1.090966761
3559	IVGN-novel-miR_3559	1.049043618	10.74893781	1.100095772
3587	IVGN-novel-miR_3587	1.071974019	9.215578624	1.100107958
3253	hsa-miR-675	1.076734578	4.413949826	1.100256545
2994	hsa-miR-149*	1.081128692	7.481295634	1.100690643
3439	IVGN-novel-miR_3439	1.103429663	13.39213858	1.101648758
3479	IVGN-novel-miR_3479	1.114660921	9.128393028	1.105441085

3434	IVGN-novel-miR_3434	1.11545285	6.148377229	1.106630072
3044	hsa-miR-195*	1.132477713	4.64175955	1.112349355
2083	hsa-miR-449b	1.151002315	5.185616437	1.120681231
3493	IVGN-novel-miR_3493	1.154857206	5.24759456	1.122662284
3317	IVGN-novel-miR_3317	1.17225067	10.56850409	1.125629993
2560	hsa-miR-214	1.190371032	5.754325784	1.128211427
3546	IVGN-novel-miR_3546	1.195881172	7.089281674	1.129847102
2278	hsa-miR-654-5p	1.208899044	5.943848006	1.131611647
3203	hsa-miR-432	1.216571411	4.536211551	1.132393728
3476	IVGN-novel-miR_3476	1.218831223	5.245317608	1.132780755
2080	hsa-miR-539	1.239836459	6.741842395	1.136717588
3392	IVGN-novel-miR_3392	1.246812086	4.282247426	1.137164466
2810	hsa-miR-193a-5p	1.249929909	5.080560891	1.137298681
3429	IVGN-novel-miR_3429	1.254130156	5.241077801	1.138532925
3674	IVGN-novel-miR_3674	1.256324137	5.107195994	1.138863031
3249	hsa-miR-939	1.27542179	5.693093825	1.142095795
3026	hsa-miR-188-5p	1.275988914	5.583655479	1.142647559
3540	IVGN-novel-miR_3540	1.286174153	5.268738566	1.144804568
2231	hsa-miR-493	1.296142953	5.467614824	1.145714687
3388	IVGN-novel-miR_3388	1.313650412	10.86209871	1.149596941
3232	hsa-miR-661	1.31669694	5.776373548	1.149951514
3522	IVGN-novel-miR_3522	1.345204807	4.707452587	1.154062616
3603	IVGN-novel-miR_3603	1.356536226	5.367494283	1.156196419
2955	hsa-miR-125b-1*	1.357338158	7.135273997	1.156220196
3441	IVGN-novel-miR_3441	1.359156835	4.405183973	1.156352069
3446	IVGN-novel-miR_3446	1.381127365	6.915558305	1.160471832
2977	hsa-miR-219-2-3p	1.399081284	4.895147627	1.163735816
1878	hsa-miR-138	1.421852564	5.487910088	1.164293381
3199	hsa-miR-330-5p	1.425617241	4.874498759	1.166294061
3191	hsa-miR-187	1.426811434	6.459751574	1.168518564
1871	hsa-miR-575	1.431484766	4.615702526	1.169741623
3498	IVGN-novel-miR_3498	1.433787842	6.987719505	1.170550859
3247	hsa-miR-30b*	1.448071276	6.723410791	1.172430463
3315	IVGN-novel-miR_3315	1.471307157	4.218182674	1.177730036
3241	hsa-miR-122	1.479247584	6.456859166	1.178032897
2864	hsa-miR-765	1.501099222	7.144354988	1.183052989
3428	IVGN-novel-miR_3428	1.502897221	11.58799305	1.183412881
3511	IVGN-novel-miR_3511	1.51310779	10.67137822	1.184242257
3238	hsa-miR-370	1.518920792	5.781883067	1.185765958
1377	hsa-miR-127-3p	1.521860691	6.122412557	1.187611719
3508	IVGN-novel-miR_3508	1.562268184	10.44415682	1.195177729
2249	hsa-miR-571	1.564480343	5.272936863	1.197709464
2930	hsa-miR-382	1.593897566	7.049431335	1.218637601
3468	IVGN-novel-miR_3468	1.597483609	6.058683271	1.260150226
3547	IVGN-novel-miR_3547	1.662915888	4.454226832	1.260558841
3494	IVGN-novel-miR_3494	1.663598241	10.11640082	1.260956887
1991	hsa-miR-674	1.663780022	6.021731929	1.262856091
2969	hsa-miR-637	1.664242579	5.624555011	1.269472123
3347	IVGN-novel-miR_3347	1.673345289	9.659108061	1.289533186
2921	hsa-miR-99b*	1.678255255	7.082468318	1.300406709
2108	hsa-miR-632	1.697440567	5.632177655	1.343250744
3104	hsa-miR-920	1.704438653	4.138110305	1.359902101
2995	hsa-miR-638	1.739275105	7.006930676	1.363867371
3669	IVGN-novel-miR_3669	1.753646201	10.49182724	1.372097385
3013	hsa-miR-194*	1.835925234	5.553666477	1.570002869
2221	hsa-miR-645	1.841436454	5.2467129	1.583666671
3001	hsa-miR-296-3p	1.851282698	7.031256755	1.608208478

3007	hsa-miR-453	1.881498444	6.247588325	1.684575571
1865	hsa-miR-383	1.908258054	5.247314146	1.723556123
3003	hsa-miR-323-5p	1.966364588	6.325853176	1.730821548
2239	hsa-miR-610	1.985860891	6.056566665	1.734989539
1863	hsa-miR-485-5p	2.026754847	6.403646005	1.735972296
3219	hsa-miR-574-5p	2.127060397	9.659077196	1.736265052
2917	hsa-miR-483-5p	2.134596972	7.430389425	1.739144384
2993	hsa-miR-92b*	2.164699167	5.182359415	1.763729262
3045	hsa-miR-32*	2.25402115	8.320922356	1.770105418
2997	hsa-miR-185*	2.279315782	7.245108502	1.784476689
3218	hsa-miR-672	2.314449167	8.61604513	1.797414708
3240	hsa-miR-206	2.428889107	7.921760901	1.818786358
1805	hsa-miR-595	2.442219943	8.799414915	1.823477362
3000	hsa-miR-608	2.645093985	7.978912096	1.825536464
2108	hsa-miR-760	1.390540664	2.032177655	1.843250744
3081	hsa-miR-185	1.230976493	2.136930676	2.23867371
2221	hsa-miR-574	1.479478359	2.216712918	2.783666671
3007	hsa-miR-453	1.208258054	2.347314146	3.353556123
3639	IVGN-novel-miR_3639	1.790345472	6.335498334	3.458977123
3654	IVGN-novel-miR_3654	1.812101943	7.464620885	3.511535312
3003	hsa-miR-297	1.365363698	2.375853176	3.607821548
3545	IVGN-novel-miR_3545	1.879370455	8.882218238	3.679144793
3670	IVGN-novel-miR_3670	1.917839219	11.27255119	3.778567039
3509	IVGN-novel-miR_3509	1.933143099	10.64181023	3.818862827
1189	hsa-miR-194	2.364648491	2.488367941	3.839831123
3652	IVGN-novel-miR_3652	1.942831522	5.377489621	3.844594716
3501	IVGN-novel-miR_3501	1.970809413	6.011043531	3.919879791
3307	IVGN-novel-miR_3307	1.984713356	5.350877401	3.957840178
3440	IVGN-novel-miR_3440	2.050976869	5.324974219	4.143864613
2995	hsa-miR-885-3p	2.464985889	2.527502041	4.284369581
3556	IVGN-novel-miR_3556	2.120723595	5.614522529	4.349120239
3471	IVGN-novel-miR_3471	2.282738106	7.97221258	4.866006023
3537	hsa-miR-630	2.513714231	2.641374522	4.982432739
3579	IVGN-novel-miR_3579	2.356791729	8.694513792	5.122299923
3389	IVGN-novel-miR_3389	2.426670471	6.446673264	5.376511775
3537	IVGN-novel-miR_3537	2.899184096	11.98115442	7.460043774