

Upregulation of miRNA-4776 in Influenza Virus Infected Bronchial Epithelial Cells Is Associated with Downregulation of NFKBIB and Increased Viral Survival

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Table S1. IAV infection induced differential expression of miRNAs. Microarray analysis for miRNA expression was performed with RNA extracted from IAV infected A549 cells for 3 h. The log fold changes in expression of miRNAs that are up or down regulated on exposure to IAV are shown from the microarray. AvgHy3- Average signal intensity, logFC-log fold change, Control-Mock; Treatment- Infected with H1N1.

ProbeID	Annotation	AvgHy3	Control	Treatment	logFC
27537	ebv-miR-BART13	6.290	-1.016	-1.046	-0.030
17358	ebv-miR-BART16	5.503	0.119	0.167	0.048
42522	ebv-miR-BART19-3p	7.267	-0.551	-0.552	0.000
42613	ebv-miR-BART19-5p	5.382	0.607	0.714	0.107
17561	ebv-miR-BART6-3p	6.099	-1.549	-1.626	-0.076
17328	ebv-miR-BART8*	5.369	-0.493	-0.592	-0.099
42906	ebv-miR-BHRF1-1	5.975	-1.148	-1.116	0.032
42951	ebv-miR-BHRF1-2	6.768	-1.422	-1.556	-0.134
42782	hcmv-miR-UL148D	6.192	0.206	0.251	0.044
42530	hsa-let-7a-2-3p	5.299	-0.086	-0.130	-0.044
147162	hsa-let-7a-5p	7.746	0.463	0.164	-0.299
147165	hsa-let-7b-5p	7.835	0.297	0.400	0.103
145820	hsa-let-7c	6.308	0.409	0.318	-0.091
145633	hsa-let-7d-3p	5.325	-0.334	-0.351	-0.017
145968	hsa-let-7d-5p	6.053	0.354	0.051	-0.303
145846	hsa-let-7e-5p	8.699	-0.095	-0.288	-0.193
17752	hsa-let-7f-5p	5.855	0.684	0.448	-0.237
46438	hsa-let-7g-5p	7.333	0.617	0.247	-0.370
9938	hsa-let-7i-5p	8.809	0.383	0.172	-0.211
145943	hsa-miR-100-5p	6.106	0.493	0.304	-0.188
31026	hsa-miR-101-3p	5.774	0.581	0.917	0.335
10919	hsa-miR-103a-3p	8.281	0.510	0.437	-0.073
46801	hsa-miR-106a-5p	6.630	0.584	0.519	-0.065
17854	hsa-miR-106b-3p	6.081	0.465	0.587	0.122
19582	hsa-miR-106b-5p	7.258	0.533	0.833	0.300
10923	hsa-miR-107	6.835	0.344	0.228	-0.116
13485	hsa-miR-10a-5p	6.397	0.434	0.342	-0.093
10925	hsa-miR-10b-5p	5.233	0.431	0.318	-0.113
46258	hsa-miR-1184	6.594	-1.091	-1.177	-0.086
168595	hsa-miR-1185-2-3p	4.657	-1.907	-2.139	-0.232
46345	hsa-miR-1207-3p	5.889	1.283	1.401	0.118
46806	hsa-miR-1227	5.693	0.999	1.104	0.105
46531	hsa-miR-1231	5.207	0.744	0.719	-0.025
46624	hsa-miR-1236	5.943	0.398	0.530	0.132
46850	hsa-miR-1237	5.262	0.670	0.705	0.036
42898	hsa-miR-124-5p	5.362	0.387	0.379	-0.008
46404	hsa-miR-1244	5.426	0.605	0.753	0.148
168870	hsa-miR-1246	11.715	0.052	-0.151	-0.202

145977	hsa-miR-1247-5p	5.497	-0.126	-0.068	0.059
46427	hsa-miR-1248	5.890	0.534	0.358	-0.176
46210	hsa-miR-1249	6.619	1.811	1.915	0.104
46924	hsa-miR-1252	6.116	0.065	0.229	0.164
46380	hsa-miR-1255a	7.238	-0.040	-0.034	0.006
168811	hsa-miR-1255b-2-3p	5.569	-0.640	-0.643	-0.003
46869	hsa-miR-1258	5.177	0.259	0.257	-0.002
17942	hsa-miR-125a-3p	5.468	0.647	0.688	0.041
10928	hsa-miR-125a-5p	9.048	0.151	0.158	0.007
30787	hsa-miR-125b-5p	8.346	0.259	0.263	0.004
4610	hsa-miR-126-3p	5.462	0.553	0.430	-0.123
169412	hsa-miR-1260a	8.610	-1.142	-0.347	0.795
168619	hsa-miR-1260b	14.258	-0.912	-0.136	0.777
46732	hsa-miR-1264	7.169	0.341	0.836	0.494
46737	hsa-miR-1265	5.718	0.257	0.358	0.101
46623	hsa-miR-1273a	5.295	-0.836	-0.897	-0.061
148263	hsa-miR-1273e	5.497	-0.424	-0.461	-0.037
168846	hsa-miR-1273f	4.764	-1.113	-1.206	-0.094
168925	hsa-miR-1273g-3p	12.122	-0.049	-0.020	0.029
169082	hsa-miR-1275	8.065	-1.835	-1.794	0.041
45775	hsa-miR-1279	5.207	0.734	0.785	0.051
33902	hsa-miR-128	5.442	0.534	0.490	-0.044
168931	hsa-miR-1280	14.472	-0.964	-0.231	0.733
46634	hsa-miR-1281	6.246	1.205	1.304	0.098
46368	hsa-miR-1282	5.481	1.123	1.126	0.003
145981	hsa-miR-1285-3p	8.054	-0.292	-0.197	0.096
42571	hsa-miR-129-1-3p	7.004	0.083	0.004	-0.079
168568	hsa-miR-1290	5.218	-0.619	-0.802	-0.183
46788	hsa-miR-1299	5.989	0.119	0.179	0.060
46215	hsa-miR-1301	5.305	0.142	0.123	-0.019
46479	hsa-miR-1304-5p	5.826	-0.002	-0.052	-0.050
42681	hsa-miR-1307-3p	5.308	0.216	0.080	-0.136
42780	hsa-miR-1307-5p	4.825	-1.169	-1.260	-0.091
10138	hsa-miR-130a-3p	7.590	0.651	0.737	0.086
10936	hsa-miR-130b-3p	5.422	0.186	0.172	-0.014
46866	hsa-miR-1321	6.110	0.124	0.146	0.022
10943	hsa-miR-136-5p	5.182	0.483	0.595	0.112
148278	hsa-miR-138-2-3p	5.710	0.401	0.526	0.125
13140	hsa-miR-138-5p	7.860	0.490	0.477	-0.013
42630	hsa-miR-140-3p	5.738	0.137	0.034	-0.103
146072	hsa-miR-1469	8.215	-2.234	-2.171	0.064
146121	hsa-miR-1470	5.107	-0.013	0.121	0.135
10954	hsa-miR-147a	5.356	0.793	0.869	0.077
19585	hsa-miR-148b-3p	6.207	0.485	0.525	0.040
169087	hsa-miR-149-3p	6.270	-2.214	-2.325	-0.110
42810	hsa-miR-149-5p	5.494	0.260	0.146	-0.114
145678	hsa-miR-150-5p	6.469	-0.503	-0.628	-0.126
17463	hsa-miR-151a-3p	5.883	0.387	0.384	-0.003
11260	hsa-miR-151a-5p	6.423	0.617	0.542	-0.075
168871	hsa-miR-151a-5p/hsa-miR-151b	6.588	0.352	0.179	-0.173
17676	hsa-miR-152	5.540	0.616	0.587	-0.030
168672	hsa-miR-1587	6.257	-0.824	-0.795	0.029
27720	hsa-miR-15a-5p	6.926	0.794	1.019	0.225

17280	hsa-miR-15b-5p	8.661	0.355	0.294	-0.061
10967	hsa-miR-16-5p	8.564	0.825	0.785	-0.040
19588	hsa-miR-17-3p	5.141	0.290	0.322	0.031
169336	hsa-miR-17-5p	6.904	0.444	0.362	-0.082
42865	hsa-miR-181a-5p	6.855	0.164	0.090	-0.074
10972	hsa-miR-181b-5p	5.810	0.537	0.535	-0.002
169408	hsa-miR-181d	5.628	0.024	-0.131	-0.155
10975	hsa-miR-182-5p	5.858	0.396	0.209	-0.187
46266	hsa-miR-1825	5.561	0.972	1.060	0.088
46810	hsa-miR-1827	8.319	-0.577	-0.652	-0.075
17953	hsa-miR-183-3p	6.117	-1.005	-1.042	-0.037
10977	hsa-miR-183-5p	6.304	0.178	-0.072	-0.249
42902	hsa-miR-185-5p	5.716	0.213	0.143	-0.070
18739	hsa-miR-186-5p	5.172	0.185	0.210	0.025
145670	hsa-miR-18b-5p	5.529	0.448	0.556	0.107
148687	hsa-miR-1908	8.022	-1.764	-1.791	-0.027
146180	hsa-miR-1909-3p	5.077	-0.535	-0.580	-0.045
27536	hsa-miR-190a	5.222	0.644	0.620	-0.024
32731	hsa-miR-190b	5.292	0.590	0.718	0.128
10985	hsa-miR-191-5p	6.824	0.341	0.136	-0.205
146103	hsa-miR-1913	5.808	0.931	1.153	0.222
146091	hsa-miR-1914-5p	5.679	-0.689	-0.827	-0.139
146068	hsa-miR-1915-3p	5.204	-0.296	-0.362	-0.066
17732	hsa-miR-192-5p	6.766	0.598	0.644	0.046
10986	hsa-miR-193a-3p	5.500	0.101	0.190	0.089
46443	hsa-miR-193a-5p	5.294	0.398	0.385	-0.013
10987	hsa-miR-193b-3p	8.637	0.213	0.172	-0.041
10988	hsa-miR-194-5p	7.282	0.472	0.576	0.105
13148	hsa-miR-195-5p	5.101	0.029	-0.057	-0.086
42538	hsa-miR-196a-3p	5.731	-0.007	-0.191	-0.184
10990	hsa-miR-196a-5p	5.880	0.709	0.573	-0.136
42783	hsa-miR-197-3p	5.860	-0.145	-0.160	-0.015
146165	hsa-miR-1973	7.584	-0.285	-0.114	0.171
146140	hsa-miR-1976	5.764	0.324	0.449	0.125
10997	hsa-miR-19a-3p	6.378	0.634	0.909	0.275
10998	hsa-miR-19b-3p	6.333	0.537	0.869	0.332
147186	hsa-miR-200b-3p	5.083	0.300	0.275	-0.025
42502	hsa-miR-204-3p	8.541	-2.157	-1.972	0.185
169411	hsa-miR-205-3p	5.844	-0.519	-0.492	0.027
46917	hsa-miR-205-5p	5.279	0.643	0.758	0.115
145845	hsa-miR-20a-5p	7.751	0.758	0.769	0.011
17882	hsa-miR-20b-3p	5.908	0.050	0.091	0.041
42640	hsa-miR-20b-5p	5.863	0.586	0.575	-0.011
42524	hsa-miR-21-3p	6.421	0.090	0.250	0.160
147506	hsa-miR-21-5p	11.134	0.861	1.203	0.342
145852	hsa-miR-210	5.604	0.374	-0.060	-0.434
146161	hsa-miR-2115-3p	6.404	-0.051	-0.125	-0.074
146010	hsa-miR-2116-5p	7.001	-0.083	-0.094	-0.011
11014	hsa-miR-214-3p	5.578	-0.858	-0.813	0.045
11020	hsa-miR-22-3p	9.123	0.509	0.561	0.052
42532	hsa-miR-22-5p	5.621	0.505	0.528	0.022
11022	hsa-miR-221-3p	7.490	0.334	0.278	-0.056
11023	hsa-miR-222-3p	8.548	0.271	0.274	0.003
11024	hsa-miR-223-3p	5.133	0.017	0.095	0.079

146163	hsa-miR-224-3p	5.321	0.041	0.039	-0.002
168772	hsa-miR-224-5p	5.609	0.051	-0.130	-0.181
148247	hsa-miR-2355-3p	6.468	0.145	0.110	-0.035
42744	hsa-miR-23a-3p	9.498	0.438	0.626	0.187
42638	hsa-miR-23a-5p	5.420	0.591	0.658	0.066
169330	hsa-miR-23b-3p	9.841	0.447	0.556	0.109
148217	hsa-miR-23c	7.035	0.181	0.233	0.051
17506	hsa-miR-24-3p	10.415	0.530	0.629	0.099
42682	hsa-miR-25-3p	6.355	0.585	0.387	-0.199
42929	hsa-miR-25-5p	7.210	-1.244	-1.096	0.148
168958	hsa-miR-2681-5p	6.098	-0.350	-0.280	0.070
147198	hsa-miR-26a-5p	5.152	0.088	-0.100	-0.188
146008	hsa-miR-26b-5p	6.744	0.488	0.293	-0.195
46483	hsa-miR-27a-3p	7.104	0.404	0.628	0.223
147199	hsa-miR-27b-3p	8.913	0.674	0.797	0.124
42823	hsa-miR-27b-5p	5.553	0.385	0.321	-0.064
46264	hsa-miR-298	5.811	0.154	0.493	0.338
11038	hsa-miR-299-5p	5.168	0.285	0.325	0.040
168687	hsa-miR-29a-3p	8.939	0.230	0.375	0.145
145638	hsa-miR-29a-5p	5.573	0.620	0.750	0.130
17810	hsa-miR-29b-1-5p	6.111	0.901	0.819	-0.083
11040	hsa-miR-29b-3p	7.759	0.408	0.894	0.486
11041	hsa-miR-29c-3p	5.985	0.278	0.439	0.162
13143	hsa-miR-301a-3p	5.736	0.640	0.939	0.300
147203	hsa-miR-302a-3p	7.577	-0.719	-0.777	-0.058
11044	hsa-miR-302c-3p	5.305	0.873	0.895	0.022
11045	hsa-miR-302c-5p	5.512	0.217	0.318	0.101
146086	hsa-miR-30a-5p	6.472	0.269	0.274	0.005
146112	hsa-miR-30b-5p	6.567	0.337	0.364	0.027
42923	hsa-miR-30c-5p	7.086	0.230	0.302	0.072
19596	hsa-miR-30d-5p	6.511	0.460	0.517	0.057
145676	hsa-miR-30e-3p	5.782	0.451	0.321	-0.130
28191	hsa-miR-30e-5p	5.859	0.473	0.577	0.104
46320	hsa-miR-31-3p	5.846	0.365	0.529	0.164
11052	hsa-miR-31-5p	8.567	0.331	0.251	-0.081
169380	hsa-miR-3124-3p	10.084	-1.363	-1.265	0.098
168698	hsa-miR-3127-3p	5.198	0.523	0.599	0.076
147820	hsa-miR-3133	8.051	-0.084	0.016	0.100
147988	hsa-miR-3135a	5.136	-0.421	-0.473	-0.052
169319	hsa-miR-3136-3p	7.613	-0.396	-0.308	0.088
147923	hsa-miR-3142	6.007	-0.208	-0.074	0.134
147904	hsa-miR-3148	5.714	-0.079	-0.130	-0.051
147806	hsa-miR-3149	6.992	-0.052	0.017	0.069
169232	hsa-miR-3156-3p	9.501	-0.458	-0.135	0.323
168653	hsa-miR-3158-5p	8.318	-3.885	-3.878	0.007
147739	hsa-miR-3161	5.510	-0.515	-0.490	0.024
147891	hsa-miR-3175	7.835	-0.184	-0.120	0.064
147595	hsa-miR-3178	8.912	-3.022	-2.915	0.107
147667	hsa-miR-3182	10.544	0.487	0.901	0.414
147805	hsa-miR-3183	5.505	-0.344	-0.244	0.100
148000	hsa-miR-3195	6.255	-1.427	-1.521	-0.094
147817	hsa-miR-3196	6.990	-2.144	-2.135	0.009
29575	hsa-miR-32-3p	7.652	-0.049	0.032	0.081
11053	hsa-miR-32-5p	5.272	0.299	0.671	0.371

147851	hsa-miR-3201	5.215	-0.635	-0.702	-0.067
146158	hsa-miR-3202	6.365	-1.148	-1.099	0.048
27533	hsa-miR-320a	7.196	0.156	0.155	-0.001
46324	hsa-miR-320b	7.198	0.122	0.130	0.008
169363	hsa-miR-320c	6.552	-0.077	-0.094	-0.017
145708	hsa-miR-324-3p	5.403	0.321	0.318	-0.003
42887	hsa-miR-331-3p	7.584	0.081	0.285	0.205
145745	hsa-miR-335-3p	8.464	-0.407	-0.270	0.137
11065	hsa-miR-335-5p	4.974	0.126	0.149	0.022
42739	hsa-miR-339-5p	5.549	0.098	-0.035	-0.132
145859	hsa-miR-33a-5p	4.868	0.019	0.371	0.352
29872	hsa-miR-340-5p	5.752	0.029	0.245	0.216
32884	hsa-miR-342-3p	5.048	-0.028	-0.101	-0.073
168586	hsa-miR-34a-5p	8.221	0.257	0.098	-0.159
11073	hsa-miR-34b-5p	5.091	0.407	0.396	-0.011
11074	hsa-miR-34c-5p	5.327	0.382	0.404	0.022
168994	hsa-miR-3591-5p	6.128	-0.191	-0.182	0.009
148335	hsa-miR-3606	5.227	-0.191	-0.055	0.136
148420	hsa-miR-3607-3p	8.284	0.443	0.385	-0.058
148418	hsa-miR-3607-5p	7.355	0.453	0.343	-0.110
168689	hsa-miR-361-3p	5.190	-0.253	-0.301	-0.048
14301	hsa-miR-361-5p	6.427	0.482	0.409	-0.073
148465	hsa-miR-3611	6.789	-0.503	-0.513	-0.010
148493	hsa-miR-3613-3p	12.945	0.925	1.010	0.085
148413	hsa-miR-3614-3p	5.924	1.506	1.649	0.143
148317	hsa-miR-3621	6.846	-1.573	-1.618	-0.045
148132	hsa-miR-3622a-3p	5.594	0.200	0.252	0.052
27544	hsa-miR-363-5p	6.417	0.484	0.404	-0.080
148481	hsa-miR-3646	8.748	-0.796	-0.416	0.380
148327	hsa-miR-3651	7.777	0.024	0.109	0.085
148377	hsa-miR-3653	6.505	-0.099	-0.087	0.012
148379	hsa-miR-3654	7.168	0.028	0.045	0.018
148228	hsa-miR-3656	6.051	-0.813	-0.696	0.117
11078	hsa-miR-365a-3p/hsa-miR-365b-3p	7.484	0.295	0.093	-0.202
148206	hsa-miR-3664-5p	5.739	1.253	1.424	0.171
148234	hsa-miR-3667-5p	8.837	-0.265	-0.285	-0.020
148214	hsa-miR-3675-3p	6.170	0.099	0.242	0.143
148410	hsa-miR-3676-3p	7.962	-0.872	-0.877	-0.005
168763	hsa-miR-3676-5p	7.308	-0.085	0.154	0.239
148038	hsa-miR-3679-3p	7.443	1.505	1.720	0.215
148599	hsa-miR-3680-5p	7.306	0.216	0.479	0.263
148032	hsa-miR-3685	9.186	0.125	0.454	0.329
148156	hsa-miR-3686	9.770	-0.459	-0.306	0.153
148085	hsa-miR-3687	7.661	-1.619	-1.415	0.204
148077	hsa-miR-3690	5.700	-0.353	-0.401	-0.048
148282	hsa-miR-3714	5.177	0.547	0.657	0.110
168978	hsa-miR-371b-5p	10.350	-2.333	-2.431	-0.097
27545	hsa-miR-373-5p	5.244	-0.488	-0.642	-0.153
145844	hsa-miR-374a-5p	5.810	0.418	0.656	0.238
148098	hsa-miR-374b-5p	6.004	0.461	0.538	0.077
148430	hsa-miR-374c-5p	6.010	0.370	0.386	0.016
148668	hsa-miR-378a-3p	6.206	0.241	0.216	-0.025
147755	hsa-miR-378c	5.495	0.381	0.370	-0.011

169266	hsa-miR-378d	5.144	-0.183	-0.268	-0.085
148361	hsa-miR-3911	5.161	0.213	0.140	-0.072
148495	hsa-miR-3915	6.389	-0.449	-0.500	-0.051
148154	hsa-miR-3922-3p	5.225	0.847	0.955	0.108
148049	hsa-miR-3924	5.921	0.446	0.538	0.092
148265	hsa-miR-3935	6.570	-0.551	-0.598	-0.048
148349	hsa-miR-3938	5.861	0.177	0.181	0.004
168637	hsa-miR-3940-5p	10.413	-1.950	-2.079	-0.129
148285	hsa-miR-3941	7.269	-0.194	-0.199	-0.006
148577	hsa-miR-3943	5.171	0.310	0.381	0.072
169024	hsa-miR-3960	11.369	-2.249	-2.307	-0.058
169316	hsa-miR-3976	8.952	-0.940	-0.876	0.065
42730	hsa-miR-423-3p	7.841	-0.036	0.039	0.076
27565	hsa-miR-423-5p	7.793	-0.572	-0.663	-0.091
42965	hsa-miR-424-5p	7.068	0.476	0.795	0.319
17608	hsa-miR-425-5p	5.838	0.377	0.468	0.091
147631	hsa-miR-4258	5.986	0.487	0.516	0.029
147942	hsa-miR-4268	8.725	-1.290	-1.273	0.017
147751	hsa-miR-4274	6.123	1.471	1.583	0.111
147767	hsa-miR-4279	9.225	-1.522	-1.363	0.159
169129	hsa-miR-4284	14.998	0.167	0.029	-0.139
147604	hsa-miR-4285	8.488	-2.204	-2.255	-0.052
169409	hsa-miR-4286	7.406	-0.360	0.062	0.422
147588	hsa-miR-4288	8.243	0.378	0.340	-0.038
147735	hsa-miR-4289	5.691	0.157	-0.007	-0.163
169282	hsa-miR-4290	9.314	-1.462	-1.377	0.085
147616	hsa-miR-4291	7.164	0.185	0.169	-0.016
147632	hsa-miR-4297	6.877	0.294	0.407	0.113
147614	hsa-miR-4299	6.737	-0.841	-0.935	-0.093
169407	hsa-miR-4301	10.692	0.032	0.139	0.107
147722	hsa-miR-4306	7.445	-0.956	-0.993	-0.036
145705	hsa-miR-431-5p	5.235	0.734	0.699	-0.035
147907	hsa-miR-4312	5.793	0.691	0.779	0.088
147776	hsa-miR-4317	5.621	0.228	0.252	0.024
147671	hsa-miR-4323	5.209	-0.344	-0.281	0.063
168980	hsa-miR-4324	6.033	-0.373	-0.340	0.033
147926	hsa-miR-4329	5.465	-0.277	-0.337	-0.060
169358	hsa-miR-4417	5.854	-1.037	-0.568	0.469
169272	hsa-miR-4419b	9.742	-1.226	-1.068	0.158
169381	hsa-miR-4421	7.948	-0.685	-0.706	-0.022
168768	hsa-miR-4423-5p	6.352	-2.175	-2.013	0.162
168709	hsa-miR-4429	6.626	-0.279	-0.250	0.029
168928	hsa-miR-4431	4.818	-1.873	-1.768	0.104
169260	hsa-miR-4436b-3p	4.977	-0.944	-0.962	-0.018
169171	hsa-miR-4436b-5p	5.772	-0.248	-0.229	0.019
169188	hsa-miR-4443	11.709	-1.137	-0.508	0.629
168971	hsa-miR-4449	5.198	-1.494	-1.553	-0.059
169167	hsa-miR-4451	6.064	-0.895	-0.850	0.045
169015	hsa-miR-4454	14.685	0.397	0.765	0.368
169305	hsa-miR-4455	7.794	-0.113	-0.023	0.090
168919	hsa-miR-4456	12.782	-0.074	0.297	0.371
169143	hsa-miR-4459	5.942	-1.192	-1.247	-0.055
168814	hsa-miR-4463	5.334	-1.227	-1.376	-0.149
169285	hsa-miR-4467	9.966	-1.884	-1.837	0.048

169320	hsa-miR-4468	6.282	-0.545	-0.651	-0.106
169170	hsa-miR-4472	5.169	-0.571	-0.565	0.006
168904	hsa-miR-4473	5.932	-0.831	-0.925	-0.095
168640	hsa-miR-4475	8.759	-0.958	-0.989	-0.030
168805	hsa-miR-4478	6.192	-0.795	-0.735	0.061
169395	hsa-miR-4484	6.740	-0.768	-0.613	0.156
46808	hsa-miR-4485	4.969	-1.311	-1.235	0.076
168815	hsa-miR-4488	4.787	-1.471	-1.715	-0.245
169110	hsa-miR-4497	9.550	-2.163	-2.292	-0.129
169385	hsa-miR-4500	8.135	0.233	0.165	-0.068
168893	hsa-miR-4505	7.064	-1.662	-1.619	0.043
168572	hsa-miR-4507	4.982	-0.780	-0.784	-0.004
168998	hsa-miR-4508	6.040	-0.887	-1.159	-0.272
168917	hsa-miR-4511	4.861	-1.899	-1.698	0.202
169194	hsa-miR-4513	4.533	-2.104	-2.271	-0.167
168948	hsa-miR-4514	5.363	-1.545	-1.310	0.235
168802	hsa-miR-4516	6.950	-1.739	-2.032	-0.293
169199	hsa-miR-4518	5.209	-0.390	-0.396	-0.006
169326	hsa-miR-451b	5.930	0.019	0.036	0.017
29379	hsa-miR-452-5p	5.952	0.326	0.317	-0.009
169159	hsa-miR-4521	6.034	-0.228	-0.974	-0.746
168638	hsa-miR-4530	7.649	-1.693	-1.852	-0.160
168661	hsa-miR-4531	7.793	-1.099	-0.998	0.101
168844	hsa-miR-4532	7.264	-1.212	-1.097	0.115
168639	hsa-miR-4533	7.199	-0.348	-0.452	-0.104
148620	hsa-miR-454-3p	5.118	0.361	0.246	-0.115
168702	hsa-miR-4540	6.212	-0.767	-0.654	0.113
28950	hsa-miR-455-3p	5.362	0.173	0.113	-0.059
13179	hsa-miR-455-5p	5.108	0.466	0.512	0.046
169102	hsa-miR-4639-3p	10.608	0.050	0.310	0.260
169183	hsa-miR-4644	7.974	-1.174	-1.272	-0.098
168750	hsa-miR-4645-5p	5.633	-0.384	-0.291	0.093
168950	hsa-miR-4646-3p	5.426	-0.436	-0.453	-0.017
168605	hsa-miR-4653-3p	5.284	-1.439	-1.357	0.082
169238	hsa-miR-4654	4.867	-1.578	-1.718	-0.139
46731	hsa-miR-4657	8.700	-0.226	-0.076	0.150
169035	hsa-miR-4658	4.973	-0.964	-0.966	-0.003
169079	hsa-miR-4667-5p	6.356	-0.623	-0.585	0.037
168798	hsa-miR-4668-5p	13.560	0.807	0.903	0.096
168832	hsa-miR-4674	5.368	-1.041	-1.413	-0.372
168935	hsa-miR-4687-3p	5.708	-0.982	-0.842	0.140
168648	hsa-miR-4687-5p	5.798	-0.515	-0.405	0.110
169253	hsa-miR-4690-5p	4.965	-1.528	-1.657	-0.129
168670	hsa-miR-4694-5p	4.782	-1.274	-1.166	0.108
169070	hsa-miR-4695-3p	8.733	-0.968	-0.267	0.701
169228	hsa-miR-4698	5.567	-0.873	-1.011	-0.138
169081	hsa-miR-4707-3p	5.934	-1.102	-1.083	0.018
168944	hsa-miR-4707-5p	5.910	-1.351	-1.513	-0.162
169028	hsa-miR-4708-3p	11.046	-2.175	-2.176	-0.001
169204	hsa-miR-4709-3p	8.007	-0.753	-0.850	-0.096
169023	hsa-miR-4712-3p	6.461	-0.534	-0.486	0.048
169311	hsa-miR-4714-5p	9.575	-0.098	0.102	0.200
168674	hsa-miR-4716-5p	5.494	-0.097	0.028	0.125
169323	hsa-miR-4723-3p	6.612	1.109	1.291	0.182

169295	hsa-miR-4725-3p	4.945	-1.644	-1.786	-0.142
169193	hsa-miR-4725-5p	6.124	-0.649	-0.649	0.000
169031	hsa-miR-4726-5p	7.366	-0.880	-0.923	-0.042
169182	hsa-miR-4728-3p	7.914	-1.194	-1.097	0.097
168668	hsa-miR-4732-3p	6.277	-0.590	-0.476	0.113
169239	hsa-miR-4732-5p	5.403	-0.470	-0.429	0.041
169265	hsa-miR-4733-3p	5.761	-1.572	-1.821	-0.249
168696	hsa-miR-4739	5.350	-1.319	-1.413	-0.094
168722	hsa-miR-4742-3p	6.767	-1.731	-1.728	0.003
169393	hsa-miR-4747-5p	7.894	-1.335	-1.258	0.077
169399	hsa-miR-4750	7.100	-1.581	-1.644	-0.063
168955	hsa-miR-4756-3p	5.437	-0.548	-0.615	-0.067
169100	hsa-miR-4758-3p	5.986	-0.418	-0.467	-0.049
169264	hsa-miR-4762-5p	5.392	-0.339	-0.447	-0.108
169130	hsa-miR-4764-3p	9.983	-0.312	-0.211	0.101
168943	hsa-miR-4769-3p	6.110	0.386	0.521	0.135
168781	hsa-miR-4776-3p	5.145	-0.928	-1.208	-0.280
168557	hsa-miR-4777-5p	5.220	-0.943	-0.990	-0.047
168915	hsa-miR-4780	9.894	0.269	0.216	-0.053
169271	hsa-miR-4784	5.691	-0.638	-0.715	-0.077
169120	hsa-miR-4787-3p	5.571	-1.157	-1.100	0.057
169050	hsa-miR-4787-5p	11.123	-2.338	-2.322	0.016
169116	hsa-miR-4788	6.093	-2.946	-2.915	0.031
168995	hsa-miR-4791	9.059	0.163	0.033	-0.130
168776	hsa-miR-4795-3p	6.514	-1.324	-1.251	0.073
169189	hsa-miR-4795-5p	6.869	-0.501	-0.514	-0.013
169022	hsa-miR-4797-5p	5.256	-0.766	-0.364	0.402
169313	hsa-miR-4800-3p	9.939	-0.806	-0.820	-0.013
169390	hsa-miR-4800-5p	4.815	-1.294	-1.394	-0.100
169096	hsa-miR-4804-3p	4.799	-1.264	-1.129	0.135
148682	hsa-miR-483-3p	8.891	-1.789	-1.656	0.134
42654	hsa-miR-483-5p	5.682	-0.370	-0.406	-0.036
145753	hsa-miR-484	5.580	0.370	0.454	0.084
42694	hsa-miR-485-3p	5.723	-0.464	-0.554	-0.091
32946	hsa-miR-486-5p	5.248	0.447	0.531	0.084
14285	hsa-miR-487b	5.375	-0.116	0.151	0.268
42703	hsa-miR-490-3p	5.105	-0.851	-0.843	0.008
17822	hsa-miR-490-5p	5.283	-0.104	-0.153	-0.049
147701	hsa-miR-491-3p	8.723	-0.297	-0.165	0.131
42661	hsa-miR-492	5.722	-0.829	-1.063	-0.234
148059	hsa-miR-493-5p	6.919	0.053	0.181	0.128
42442	hsa-miR-498	6.120	-0.375	-0.429	-0.053
169145	hsa-miR-5000-3p	5.753	-0.405	-0.353	0.052
168656	hsa-miR-5002-3p	6.020	-0.692	-0.645	0.047
168769	hsa-miR-5002-5p	7.119	-0.796	-0.862	-0.067
169296	hsa-miR-5004-5p	5.141	-2.361	-2.381	-0.020
169136	hsa-miR-5006-3p	5.687	-0.642	-0.649	-0.007
17875	hsa-miR-500a-5p	5.238	0.441	0.486	0.045
145675	hsa-miR-501-5p	5.574	0.221	0.209	-0.012
42490	hsa-miR-505-5p	5.578	0.266	0.167	-0.099
11139	hsa-miR-507	5.325	0.839	0.950	0.111
168887	hsa-miR-5089	5.032	-0.500	-0.403	0.096
168878	hsa-miR-5100	13.423	0.324	0.607	0.283
42581	hsa-miR-513a-5p	8.479	-0.704	-0.675	0.029

46789	hsa-miR-513b	5.249	0.104	0.141	0.037
11151	hsa-miR-516b-5p	5.459	-0.362	-0.383	-0.021
169185	hsa-miR-5187-3p	6.296	-1.268	-1.382	-0.115
148641	hsa-miR-518b	5.252	-0.179	-0.161	0.018
13137	hsa-miR-518e-5p/hsa-miR-519a-5p/hsa-miR-519b-5p/hsa-miR-519c-5p/hsa-miR-522-5p/hsa-miR-523-5p	5.508	-0.359	-0.476	-0.118
168717	hsa-miR-5193	7.619	-0.130	0.004	0.134
169274	hsa-miR-5196-3p	5.441	-1.239	-1.262	-0.023
46221	hsa-miR-519d	5.278	0.702	0.734	0.032
13132	hsa-miR-519e-5p	5.614	-0.924	-0.923	0.001
14272	hsa-miR-542-3p	5.279	0.285	0.339	0.054
169312	hsa-miR-548an	6.140	-0.950	-1.219	-0.270
169009	hsa-miR-548ap-5p/hsa-miR-548j	5.786	-0.777	-0.740	0.037
168951	hsa-miR-548as-3p	9.910	0.025	0.220	0.195
145789	hsa-miR-550a-3-5p/hsa-miR-550a-5p	5.277	0.068	0.088	0.021
148288	hsa-miR-550b-3p	5.267	-0.072	-0.205	-0.133
17272	hsa-miR-551a	5.683	-0.603	-0.622	-0.018
17668	hsa-miR-552	5.735	-1.179	-1.197	-0.018
168933	hsa-miR-5581-3p	6.877	-0.624	-0.333	0.291
168922	hsa-miR-5584-3p	5.907	-0.375	-0.471	-0.096
168868	hsa-miR-5681b	9.757	-0.789	-0.608	0.181
169169	hsa-miR-5684	11.027	-0.259	-0.176	0.084
169376	hsa-miR-5701	10.257	0.151	0.294	0.143
169211	hsa-miR-5704	9.711	-0.314	0.060	0.374
28966	hsa-miR-574-3p	6.368	-0.091	-0.150	-0.059
27740	hsa-miR-574-5p	7.211	0.107	0.122	0.014
42446	hsa-miR-576-5p	5.223	0.371	0.403	0.032
42800	hsa-miR-582-5p	5.268	0.161	0.231	0.070
145647	hsa-miR-584-5p	5.830	-0.300	-0.464	-0.164
17546	hsa-miR-585	5.428	0.071	0.023	-0.049
17503	hsa-miR-590-5p	4.914	0.222	0.348	0.127
42504	hsa-miR-593-3p	5.164	0.669	0.681	0.012
17377	hsa-miR-600	5.995	0.216	0.049	-0.167
17498	hsa-miR-601	5.316	0.466	0.515	0.049
27551	hsa-miR-612	5.181	-0.356	-0.371	-0.015
27672	hsa-miR-615-3p	5.148	-0.062	-0.037	0.024
17336	hsa-miR-618	5.570	1.161	1.198	0.037
148652	hsa-miR-620	5.266	-0.207	-0.278	-0.071
17493	hsa-miR-622	5.303	-0.335	-0.309	0.026
17566	hsa-miR-629-3p	5.140	-0.791	-0.409	0.382
17961	hsa-miR-629-5p	5.168	0.405	0.383	-0.022
17327	hsa-miR-630	5.425	-0.238	-0.272	-0.034
42591	hsa-miR-634	9.146	-1.257	-1.389	-0.133
42750	hsa-miR-636	5.659	0.274	0.250	-0.024
42832	hsa-miR-638	5.934	-0.175	-0.161	0.014
168642	hsa-miR-642b-3p	6.433	-2.528	-2.587	-0.059
169034	hsa-miR-642b-5p	9.787	-1.618	-1.545	0.073
168882	hsa-miR-644b-3p	9.619	-0.945	-0.775	0.170
168963	hsa-miR-644b-5p	7.276	0.290	0.364	0.074

42827	hsa-miR-652-3p	5.558	0.274	0.102	-0.172
145933	hsa-miR-652-5p	5.350	-0.524	-0.505	0.019
42843	hsa-miR-654-5p	5.084	-0.775	-0.911	-0.137
42749	hsa-miR-659-3p	5.407	-0.120	-0.124	-0.004
169375	hsa-miR-660-3p	10.046	-1.086	-1.079	0.007
169388	hsa-miR-663a	6.408	-1.798	-1.818	-0.019
145976	hsa-miR-663b	5.263	-0.757	-0.759	-0.002
145973	hsa-miR-664-3p	6.747	-0.250	-0.217	0.034
46829	hsa-miR-664-5p	5.517	0.486	0.499	0.013
145768	hsa-miR-665	7.026	-1.603	-1.449	0.154
145701	hsa-miR-668	6.427	0.257	0.174	-0.083
42859	hsa-miR-675-3p	5.741	0.977	1.051	0.074
42761	hsa-miR-675-5p	5.679	-0.411	-0.466	-0.054
29490	hsa-miR-7-5p	6.411	0.708	0.751	0.043
146196	hsa-miR-711	5.556	-1.107	-1.070	0.037
146064	hsa-miR-718	5.744	0.750	0.890	0.140
168838	hsa-miR-720	11.045	-0.084	0.435	0.520
27568	hsa-miR-744-5p	7.828	-0.453	-0.336	0.117
146111	hsa-miR-767-5p	7.742	0.158	0.209	0.051
42808	hsa-miR-874	7.389	-2.075	-2.110	-0.035
148622	hsa-miR-877-3p	6.845	-0.046	-0.057	-0.011
30033	hsa-miR-877-5p	5.709	0.219	0.247	0.028
46259	hsa-miR-885-5p	5.963	1.250	1.340	0.090
27961	hsa-miR-891a	5.306	-0.239	-0.287	-0.048
148621	hsa-miR-892a	5.383	0.620	0.701	0.081
4040	hsa-miR-9-5p	5.378	0.718	0.666	-0.052
42801	hsa-miR-92a-2-5p	5.209	0.672	0.670	-0.002
145693	hsa-miR-92a-3p	7.774	0.238	0.161	-0.077
145897	hsa-miR-92b-3p	5.687	-0.344	-0.352	-0.008
30687	hsa-miR-93-5p	7.990	0.384	0.256	-0.129
17863	hsa-miR-934	5.114	-0.265	-0.352	-0.087
145742	hsa-miR-935	6.264	0.125	-0.069	-0.194
42696	hsa-miR-943	5.692	0.487	0.463	-0.024
13147	hsa-miR-96-5p	5.814	0.767	0.889	0.123
11182	hsa-miR-98	6.335	0.596	0.485	-0.111
17898	hsa-miR-99b-3p	5.527	0.373	0.279	-0.094
11184	hsa-miR-99b-5p	7.349	0.140	0.043	-0.097
28302	hsa-miRPlus-A1015	8.942	-0.074	0.130	0.204
42793	hsa-miRPlus-A1072	5.852	-0.736	-0.524	0.212
17858	hsa-miRPlus-A1073	5.860	1.081	1.196	0.115
169416	hsa-miRPlus-A1086	6.567	-0.183	-0.076	0.107
17848	hsa-miRPlus-A1087	5.986	0.250	0.440	0.190
42838	hsa-miRPlus-C1076	5.190	-0.321	-0.366	-0.045
146113	hsa-miRPlus-G1246-3p	7.497	0.396	0.324	-0.072
147975	hsa-miRPlus-J1003	5.367	0.278	0.298	0.020
147415	hsa-miRPlus-J1011	5.296	-0.479	-0.483	-0.003
147576	hsv1-miR-H1*	5.880	1.045	1.186	0.140
147889	hsv1-miR-H14-3p	5.444	-0.151	-0.269	-0.118
147804	hsv1-miR-H17	6.058	-1.302	-1.314	-0.012
147830	hsv1-miR-H18	5.159	-0.915	-1.119	-0.204
147718	hsv1-miR-H3*	5.127	-0.274	-0.285	-0.012
146159	hsv1-miR-H4-3p	8.083	-0.031	-0.008	0.022
146098	hsv1-miR-H5-3p	5.584	-0.237	-0.197	0.040
146117	hsv1-miR-H6-3p	8.708	-0.573	-0.665	-0.091

146090	hsv1-miR-H7*	6.825	-0.766	-0.913	-0.147
146042	hsv1-miR-H8*	6.382	0.644	0.683	0.038
147803	hsv2-miR-H10	6.118	-1.027	-1.074	-0.047
147864	hsv2-miR-H24	5.505	0.267	0.398	0.131
147884	hsv2-miR-H25	6.122	-1.372	-1.410	-0.039
147900	hsv2-miR-H6*	7.158	-0.191	-0.181	0.010
147790	hsv2-miR-H7-3p	5.918	-0.640	-0.796	-0.156
147840	hsv2-miR-H9-3p	8.160	-1.833	-2.042	-0.210
42656	kshv-miR-K12-10a	6.170	1.448	1.615	0.167
42624	kshv-miR-K12-10b	5.974	1.373	1.445	0.072
42795	kshv-miR-K12-3	6.459	-1.344	-1.423	-0.079
147885	kshv-miR-K12-5*	7.240	-0.259	-0.004	0.255
17488	kshv-miR-K12-6-3p	6.581	-1.351	-1.325	0.026
147936	kshv-miR-K12-8*	5.223	-0.318	-0.228	0.090
146169	mcv-miR-M1-3p	6.344	-2.433	-2.216	0.216
19011	SNORD10	10.201	-0.040	0.082	0.122
145666	SNORD110	8.120	0.216	0.228	0.013
19005	SNORD118	8.248	0.133	0.059	-0.074
19606	SNORD12	6.634	0.027	-0.022	-0.050
19603	SNORD13	10.462	-0.010	0.083	0.092
19013	SNORD14B	8.887	-0.780	-0.914	-0.134
19008	SNORD2	9.942	0.409	0.390	-0.019
19007	SNORD3@	11.910	0.003	-0.131	-0.134
46204	SNORD38B	9.345	0.287	0.372	0.084
46206	SNORD44	10.311	0.106	0.054	-0.052
46205	SNORD48	9.361	0.176	0.198	0.021
46203	SNORD49A	8.982	0.337	0.192	-0.145
19604	SNORD4A	9.169	0.120	0.224	0.104
19605	SNORD6	10.463	0.077	0.285	0.209
145661	SNORD65	6.668	0.114	0.163	0.049
145663	SNORD68	10.671	-0.097	-0.129	-0.032
17492	sv40-miR-S1-5p	8.239	-1.649	-1.708	-0.058



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