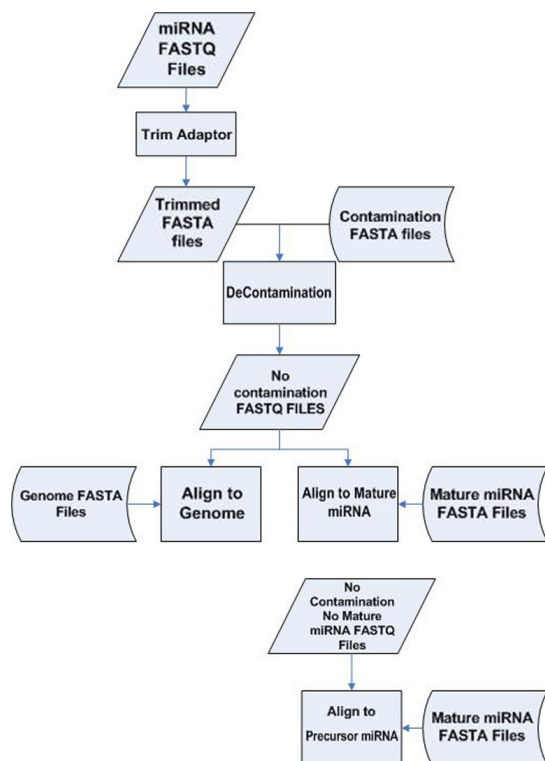**Figure S1** *Workflow diagram of miRNA sequencing data processing.*

Table S1 Fold changes computed between non-normal and normal samples using data from different normalization methods					
	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-let-7a	0.0042754	−0.552633	−0.015109	−0.120488	−0.054226
hsa-let-7a*	−0.18413	−0.548296	−0.006195	−0.203041	0.0656697
hsa-let-7a-2*	−0.158218	−0.217502	0.1804967	−2.619008	0.2711231
hsa-let-7b	0.0975594	−0.44166	0.0344891	−0.010573	0.0887056
hsa-let-7b*	−0.313777	−0.6457	−0.073251	−0.3929	−0.066944
hsa-let-7c	−0.113039	−0.592386	−0.042367	−0.161151	−0.222384
hsa-let-7d	−0.148097	−0.578109	−0.035374	−0.146155	−0.236482
hsa-let-7d*	−0.344158	−0.746767	−0.116632	−0.472896	−0.164616
hsa-let-7e	0.0354432	−0.419692	0.0479995	0.0123512	−0.074153
hsa-let-7e*	0.2407919	0.1545067	0.3774342	−0.557753	0.6431319
hsa-let-7f	−0.151042	−0.741798	−0.113138	−0.310237	−0.24062
hsa-let-7f-1*	−0.249712	−0.47145	0.1973019	−0.650713	−0.086965
hsa-let-7f-2*	−0.243696	−0.434909	0.0884345	−0.304026	−0.050423
Table S1 *(continued)*					

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-let-7g	–0.18629	–0.72786	–0.106519	–0.297131	–0.301865
hsa-let-7g*	0.3024209	0.1323177	0.2670902	0.438865	0.3272325
hsa-let-7i	–0.150876	–0.646183	–0.057955	–0.217182	–0.249411
hsa-let-7i*	–0.392518	–0.61949	–0.019417	–0.670599	–0.300113
hsa-miR-1	0.077636	0.0440267	0.4009056	–1.434823	0.7414699
hsa-miR-100	–0.021232	–0.455459	0.0292959	–0.02215	0.0231356
hsa-miR-100*	0.1771578	0.0638577	0.0305435	–0.524743	0.517455
hsa-miR-101	0.0012021	–0.576757	–0.033227	–0.145183	–0.120285
hsa-miR-101*	0.2191501	0.0812448	0.261619	–0.285612	0.6038891
hsa-miR-103a	0.1523641	–0.270899	0.1220487	0.1592919	0.2511515
hsa-miR-103a-2*	0.0923589	–0.067084	0.5337087	–1.21875	0.4997937
hsa-miR-103b	0.2114169	–0.273994	0.1209576	0.1561336	0.2724068
hsa-miR-105	0.1065727	0.1111111	NA	0.4957244	0.6779892
hsa-miR-105*	–0.037195	–0.138889	0.8332013	–3.571142	0.3837554
hsa-miR-106a	0.6502755	0.2039072	0.2776772	0.7553998	0.6588102
hsa-miR-106b	0.1736293	–0.218978	0.1539305	0.2038544	0.2599344
hsa-miR-106b*	0.0365909	–0.38354	0.0951092	–0.066936	–0.292968
hsa-miR-107	–0.073772	–0.523761	–0.012123	–0.100873	0.0174642
hsa-miR-10a	0.4497615	–0.045872	0.2424499	0.3861475	0.5314111
hsa-miR-10a*	0.11054	–0.107067	0.1761645	0.1210727	0.34653
hsa-miR-10b	0.7624902	0.3875374	0.5038901	0.8209039	0.821074
hsa-miR-10b*	0.0849502	0.0995823	NA	0.1895837	0.4840674
hsa-miR-1178	0.0319384	0.0277778	NA	–0.325031	0.5926139
hsa-miR-1179	–0.039864	–0.111111	0.1789538	–2.561475	0.2924774
hsa-miR-1180	0.0442287	–0.06808	0.2275139	–0.700321	0.0448242
hsa-miR-1181	–0.150489	–0.24528	0.2357321	–2.937583	–0.132376
hsa-miR-1182	0.0315998	0.0277778	NA	–0.305393	0.2711022
hsa-miR-1183	0.0353009	0.0555556	NA	–0.081342	0.5131898
hsa-miR-1184	0.0411136	0.0277778	NA	–0.359298	0.2711022
hsa-miR-1185	–0.079325	–0.092774	0.0625024	–2.032532	0.3108149
hsa-miR-1193	0.0271807	0	0.5057688	–1.959422	0.1129043
hsa-miR-1197	0.0572065	0.0277778	0.506534	–1.578876	0.4608924
hsa-miR-1200	–0.021412	–0.055556	0.1555878	–2.665839	0.267004
hsa-miR-1202	–0.028935	–0.055556	–0.235113	–2.858058	0.0573487
hsa-miR-1203	0.0867985	0.0833333	NA	0.2397977	0.1962376
hsa-miR-1205	0.0645537	0.0555556	NA	0.0889307	0.6255592
hsa-miR-1206	–0.043403	–0.083333	NA	–3.506723	0.4789283
hsa-miR-1207-3p	–0.043403	–0.083333	NA	–3.520975	0.3743009
hsa-miR-1208	–0.067578	–0.083333	NA	–3.594299	0.3918373
hsa-miR-122	0.0536956	–0.433403	0.0428623	–0.001277	0.0958689

Table S1 *(continued)*

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-122*	−0.394601	−0.867036	−0.177712	−0.443009	−0.24683
hsa-miR-1224-3p	0.0407311	0.0277778	NA	−0.359792	0.140682
hsa-miR-1225-3p	−0.026972	−0.055556	0.7632455	−2.895249	0.0573487
hsa-miR-1225-5p	−0.082163	−0.060276	−0.182395	−3.437933	0.0526286
hsa-miR-1226	−0.123339	0.016249	−0.805551	−5.5582	0.3388086
hsa-miR-1227	−0.013539	−0.055556	0.4595415	−2.749834	0.0573487
hsa-miR-1228	0.0518658	0.0555556	0.0465798	−1.258094	0.1684598
hsa-miR-1228*	0.0423059	0.0718045	NA	−0.129933	0.1847088
hsa-miR-1229	−0.011045	0	−0.328942	−2.025249	0.1129043
hsa-miR-1231	−0.021412	−0.055556	0.1555878	−2.665839	0.0573487
hsa-miR-1234	0.0339033	0.0555556	NA	−0.096797	0.1684598
hsa-miR-1237	0.0572917	0.1111111	NA	0.2879637	0.2240154
hsa-miR-124	0.0325171	0.0277778	NA	−0.291863	0.3105138
hsa-miR-124*	0.0469846	0.0555556	NA	−0.032378	0.5441807
hsa-miR-1245	0.0460674	0.0555556	NA	−0.022767	0.4591441
hsa-miR-1245b-3p	0.0298524	0.0555556	NA	−0.100872	0.5091529
hsa-miR-1246	−0.021439	−0.027778	0.1154323	−2.338352	0.3818727
hsa-miR-1247	−0.004115	−0.032498	0.0153119	−1.649718	0.0804063
hsa-miR-1248	0.1357098	−0.055556	0.713978	−1.249772	0.376367
hsa-miR-1249	−0.038452	−0.057644	0.0182348	−1.953399	0.0552602
hsa-miR-1250	0.0219907	0.0555556	NA	−0.123455	0.457093
hsa-miR-1251	0.0530227	−0.011529	1.1140709	−2.049622	0.3900086
hsa-miR-1252	−0.068593	−0.083333	NA	−3.61354	0.6141098
hsa-miR-1253	0.0167824	0.0277778	NA	−0.363828	0.5926139
hsa-miR-1254	−0.15908	−0.159858	−0.471026	−4.689108	0.0071752
hsa-miR-1255a	0.081478	0.0833333	NA	0.2855214	0.5936678
hsa-miR-1255b	0.0737147	0.0833333	NA	0.3298641	0.6059776
hsa-miR-1256	−0.082232	−0.027778	−0.831855	−3.929611	0.4948665
hsa-miR-1258	0.1087585	0.0718045	0.5928062	−1.223144	0.5049192
hsa-miR-125a-3p	−0.03152	−0.205973	0.7729463	−2.711333	0.1165863
hsa-miR-125a-5p	0.1341571	−0.365352	0.0804656	0.0683712	0.1083033
hsa-miR-125b	−0.147199	−0.568498	−0.024563	−0.135374	−0.079755
hsa-miR-125b-1*	−0.098735	−0.420303	0.2448835	0.0251653	−0.097743
hsa-miR-125b-2*	−0.331861	−0.742378	−0.132285	−0.336002	−0.218625
hsa-miR-126	−0.389975	−0.821643	−0.148951	−0.391392	−0.324391
hsa-miR-126*	−0.063021	−0.513257	−0.002458	−0.081553	−0.205824
hsa-miR-1260	−0.499207	−0.790783	−0.108406	−0.509543	−0.633407
hsa-miR-1260b	0.041004	−0.353678	0.0642163	−0.03776	0.028874
hsa-miR-1261	−0.44029	−0.518881	−0.188358	−2.682598	−0.10923
hsa-miR-1262	0.0608735	0.0833333	NA	0.2207111	0.5369306

Table S1 *(continued)*

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-1263	0.0268719	0.0440267	NA	−0.379674	0.6140303
hsa-miR-1264	−0.001386	−0.055556	1.0412926	−2.600249	0.3297738
hsa-miR-1265	0.0304755	0	0.2485745	−1.871528	0.5226443
hsa-miR-1266	−0.057019	−0.055556	−0.514906	−2.946334	0.1877689
hsa-miR-1267	−0.10777	−0.187636	0.5615708	−3.79268	0.3772003
hsa-miR-1268	−0.032495	0	−0.496636	−2.129263	0.1129043
hsa-miR-1268b	0.3758835	0.3578936	0.4944554	0.0879026	0.4707979
hsa-miR-1269	0.1415395	0.1226399	0.1070261	−0.805409	0.2355442
hsa-miR-1269b	−0.517975	−0.738666	−0.000321	−4.283057	−0.416107
hsa-miR-127-3p	0.0725727	−0.354673	0.073697	0.0758375	0.071418
hsa-miR-127-5p	−0.424905	−0.646881	0.0148511	−1.227958	−0.157354
hsa-miR-1270	0.0619483	0.0440267	0.3706062	−1.611415	0.6109048
hsa-miR-1271	0.1085911	0.1551378	NA	0.5059705	0.643763
hsa-miR-1272	0.0593776	0.0833333	NA	0.2210016	0.4792351
hsa-miR-1273	−0.115785	−0.222222	0.0058524	−2.9933	0.3461215
hsa-miR-1273c	0.0104167	0.0277778	NA	−0.385619	0.3503374
hsa-miR-1273d	−0.087832	−0.111111	−0.37867	−3.380514	0.331675
hsa-miR-1273e	−0.022116	−0.027778	0.1966821	−2.376378	0.5422258
hsa-miR-1273f	0.0194357	0.0277778	NA	−0.364046	0.4000048
hsa-miR-1273g	−0.116095	−0.083333	NA	−5.331477	0.4052918
hsa-miR-1275	0.0941764	−0.047299	0.3178966	−0.171344	0.0656057
hsa-miR-1276	0.0582202	0.0833333	NA	0.2217114	0.6533369
hsa-miR-1277	−0.078718	−0.13208	0.1082242	−3.047432	0.5653629
hsa-miR-1278	0.0431739	0.0555556	NA	−0.051171	0.6634847
hsa-miR-1279	−0.116095	−0.083333	NA	−5.331477	0.5776075
hsa-miR-128	−0.580343	−0.897095	−0.229944	−0.514061	−0.326887
hsa-miR-1280	−0.305756	−0.523601	0.0074338	−1.183799	−0.405195
hsa-miR-1281	−0.107367	−0.166667	−0.148364	−3.345824	−0.053762
hsa-miR-1282	−0.217975	−0.277778	−0.109024	−4.76404	0.1016423
hsa-miR-1283	0.0068058	−0.039307	1.0941124	−2.564258	0.3451785
hsa-miR-1284	0.0665765	0.0833333	NA	0.1536117	0.6059776
hsa-miR-1285	−0.082957	−0.167796	−0.028706	−1.085793	0.402208
hsa-miR-1286	−0.029442	−0.138889	0.4642066	−2.822676	0.2626486
hsa-miR-1287	−0.173507	−0.28513	0.0565032	−1.691689	0.2034956
hsa-miR-1288	−0.092079	−0.027778	−1.138093	−3.963674	0.3737597
hsa-miR-1289	0.0015072	−0.027778	0.3062307	−2.302106	0.4271252
hsa-miR-129*	−0.021401	−0.094862	0.7032703	−2.817068	0.289623
hsa-miR-129-3p	0.0452977	0.0555556	NA	0.003228	0.5781998
hsa-miR-129-5p	0.0144676	0.0277778	−0.024491	−1.700264	0.4293152
hsa-miR-1290	−0.059771	−0.055556	−0.471556	−2.96136	0.3540949

Table S1 *(continued)*

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-1291	−0.037182	−0.011529	−0.003568	−3.337353	0.3428904
hsa-miR-1292	−0.110019	−0.083333	−0.505105	−4.033334	0.0295709
hsa-miR-1294	−0.054053	−0.027778	−0.297223	−3.759619	0.4948665
hsa-miR-1295	0.0083225	−0.067084	0.6684768	−2.595958	0.3344531
hsa-miR-1296	−0.643212	−0.856654	−0.163871	−0.90896	−0.797853
hsa-miR-1297	0.0733904	0.0555556	NA	0.0373284	0.5470634
hsa-miR-1298	−0.113241	−0.083333	NA	−5.324624	0.4393109
hsa-miR-1299	0.0865154	0.1640351	−0.384283	−2.473805	0.6866793
hsa-miR-1301	0.197596	0.0221072	0.416199	0.0906744	0.3827196
hsa-miR-1302	0.0469846	0.0555556	NA	−0.032378	0.6178172
hsa-miR-1303	0.0593141	−0.032996	0.2130132	−0.672862	0.5370079
hsa-miR-1304	0.0698455	0	0.8325362	−1.831171	0.5226443
hsa-miR-1306	0.0935354	0.1111111	NA	0.3605023	0.3433012
hsa-miR-1307	−0.188815	−0.586365	−0.048574	−0.317728	−0.53255
hsa-miR-130a	0.1037295	−0.354652	0.0695294	0.0741325	0.0365976
hsa-miR-130a*	0.0283565	0.0555556	NA	−0.10299	0.5781998
hsa-miR-130b	−0.235221	−0.621344	−0.066183	−0.232446	−0.102791
hsa-miR-130b*	0.0978046	−0.201672	−0.136478	−0.349342	0.363164
hsa-miR-132	−0.581103	−0.93862	−0.255027	−0.650995	−0.368617
hsa-miR-132*	0.0877946	0.1111111	NA	0.5026381	0.6337554
hsa-miR-1322	0.0104167	0.0277778	NA	−0.385619	0.5632945
hsa-miR-1323	0.0411136	0.0277778	NA	−0.358876	0.4122629
hsa-miR-133a	0.5196034	0.406969	0.696053	0.4373704	0.9086981
hsa-miR-133b	0.0502751	−0.011529	1.1076915	−2.127454	0.5584748
hsa-miR-134	−0.136119	−0.467993	0.0598197	−0.265914	−0.142646
hsa-miR-1343	−0.010067	−0.055556	0.5541404	−2.716314	0.0573487
hsa-miR-135a	0.2482456	0.1991646	0.5596842	−0.13071	0.8398459
hsa-miR-135a*	0.0388185	0.0277778	NA	−0.358367	0.3503374
hsa-miR-135b	0.2001196	0.1683026	0.1262433	−0.672738	0.6786371
hsa-miR-136	−0.07256	−0.411139	−0.02079	−0.410118	0.0991955
hsa-miR-136*	−0.221405	−0.624554	−0.061554	−0.212158	−0.335801
hsa-miR-137	0.0283565	0.0555556	NA	−0.10299	0.56589
hsa-miR-138	−0.103574	−0.225992	0.059602	−1.123013	0.2018922
hsa-miR-138-1*	−0.032986	−0.055556	−0.087781	−2.834679	0.267004
hsa-miR-138-2*	−0.283486	−0.728854	−0.106086	−0.29732	−0.1807
hsa-miR-139-3p	−0.053241	−0.138889	0.2075394	−3.508728	−0.025985
hsa-miR-139-5p	−0.041997	−0.459824	0.0075614	−0.027	0.0766038
hsa-miR-140-3p	0.1524763	−0.321935	0.0934241	0.1063453	0.0070416
hsa-miR-140-5p	−0.032813	−0.474375	−0.006237	−0.127337	0.0482697
hsa-miR-141	0.2423134	0.0138451	0.4123535	1.011042	0.4202009

Table S1 *(continued)*

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-141*	0.0185677	0.0277778	−0.056086	−1.73702	0.550422
hsa-miR-142-3p	−0.009932	−0.441353	0.0558146	−0.034097	0.0475289
hsa-miR-142-5p	0.0012228	−0.460971	0.0337333	−0.031413	0.0570327
hsa-miR-143	0.3791933	−0.103863	0.2162381	0.3280598	0.3594632
hsa-miR-143*	0.2889778	0.1858213	0.1883919	−0.315494	0.5047851
hsa-miR-144	0.3140308	−0.095092	0.2932876	0.3360041	0.4995945
hsa-miR-144*	0.3868912	0.0397073	0.3598446	0.5026446	0.7035643
hsa-miR-145	0.5379415	0.0915905	0.3152353	0.5266744	0.5529406
hsa-miR-145*	−0.196041	−0.566773	−0.026459	−0.224041	−0.171772
hsa-miR-1468	−0.558874	−0.83574	−0.315986	−1.563524	−0.469655
hsa-miR-1469	−0.516595	−0.536268	−0.144093	−3.272286	−0.423363
hsa-miR-146a	−0.053824	−0.574206	−0.031036	−0.147435	−0.088099
hsa-miR-146a*	0.0310098	0.0555556	NA	−0.102173	0.4400407
hsa-miR-146b-3p	−0.081435	−0.446813	0.0625247	−0.168697	−0.122079
hsa-miR-146b-5p	0.1286258	−0.237483	0.1639223	0.1954114	0.1605033
hsa-miR-147	0.0115741	0.0277778	NA	−0.386914	0.5977814
hsa-miR-147b	−0.039511	−0.104302	0.1161631	−2.656784	0.4657012
hsa-miR-148a	−0.171728	−0.779067	−0.127887	−0.347159	−0.145141
hsa-miR-148a*	−0.298511	−0.737431	−0.119633	−0.311069	−0.259784
hsa-miR-148b	−0.231073	−0.714967	−0.099405	−0.285777	−0.243608
hsa-miR-148b*	−0.114353	−0.182916	0.0829736	−1.499503	0.2015695
hsa-miR-149	−0.050383	−0.280144	0.1385462	−0.228452	−0.032744
hsa-miR-149*	−0.029459	−0.055556	0.0293117	−2.490174	0.0573487
hsa-miR-150	−0.160704	−0.549183	0.0110061	−0.130579	−0.0284
hsa-miR-150*	−0.104297	−0.25	0.1566727	−3.420207	−0.137096
hsa-miR-151-3p	−0.211251	−0.624864	−0.056009	−0.195917	−0.048827
hsa-miR-151-5p	−0.29336	−0.783057	−0.133804	−0.35573	−0.298846
hsa-miR-151b	0.052236	−0.020019	−0.023721	−1.163279	0.4376156
hsa-miR-152	0.0195483	−0.407209	0.0527372	0.0129745	0.1604119
hsa-miR-153	0.1260272	−0.051333	0.2171154	−0.693867	0.4022641
hsa-miR-1537	0.0471161	0	0.7408901	−1.705788	0.4535973
hsa-miR-1538	0.0424969	0.0718045	NA	−0.106595	0.1847088
hsa-miR-154	−0.263072	−0.442356	0.1386989	−1.107581	0.1276477
hsa-miR-154*	0.0788956	0.0995823	NA	0.155329	0.5531796
hsa-miR-155	0.4624753	0.0602411	0.3031338	0.4950888	0.518955
hsa-miR-155*	0.3250098	0.1104389	0.3186392	−1.140271	0.7138035
hsa-miR-1587	0.0322769	0.0277778	NA	−0.266595	0.140682
hsa-miR-15a	−0.178485	−0.638128	−0.062647	−0.213476	−0.141559
hsa-miR-15a*	0.0024686	0.0670844	−0.643379	−1.482657	0.5557095
hsa-miR-15b	−0.012204	−0.424741	0.0370843	−0.03124	−0.020776

Table S1 *(continued)*

Table S1 (*continued*)

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-15b*	−0.273517	−0.553646	0.0782593	−0.390025	−0.100048
hsa-miR-16	−0.076451	−0.593226	−0.036045	−0.162024	−0.039682
hsa-miR-16-1*	0.0335874	0.016249	0.2934523	−1.840001	0.5388932
hsa-miR-16-2*	−0.100211	−0.067084	0.007067	−2.84033	0.3865129
hsa-miR-17	0.1113434	−0.342158	0.0897728	0.0968735	0.2558099
hsa-miR-17*	−0.061412	−0.356088	−0.002138	−0.475747	0.2139153
hsa-miR-181a	−0.22612	−0.739307	−0.102418	−0.308323	−0.103099
hsa-miR-181a*	−0.190516	−0.500261	−0.036714	−0.15012	0.072693
hsa-miR-181a-2*	−0.059715	−0.444403	0.0282665	−0.039345	−0.003238
hsa-miR-181b	0.2112433	−0.263527	0.1232823	0.1596305	0.3355841
hsa-miR-181c	0.0339036	−0.402054	0.0521178	0.0187829	0.1477917
hsa-miR-181c*	−0.289804	−0.435593	0.0902837	−1.029833	0.0539344
hsa-miR-181d	0.0762195	−0.243244	0.1975956	0.0549813	0.2116591
hsa-miR-182	0.2199314	−0.191659	0.1612816	0.2566338	0.1992501
hsa-miR-1825	−0.026972	−0.055556	0.7632455	−2.895249	0.0573487
hsa-miR-1827	−0.115981	−0.25	0.0342748	−3.522228	0.138594
hsa-miR-183	0.2261332	0.0530734	0.3030421	0.1371065	0.4375585
hsa-miR-183*	0.1185293	0.1666667	NA	0.688453	0.6893109
hsa-miR-184	0.1372415	0.1829156	NA	0.780952	0.7529192
hsa-miR-185	−0.046941	−0.322732	0.1450103	−0.105584	0.247272
hsa-miR-185*	0.1006253	0.1111111	0.1245372	−1.268743	0.2240154
hsa-miR-186	−0.007642	−0.468019	0.0200335	−0.037074	−0.13106
hsa-miR-186*	0.1516155	0.0555556	0.6633586	−0.867383	0.5781998
hsa-miR-187	−0.087453	−0.127041	0.0809065	−2.1594	0.1983388
hsa-miR-187*	−0.071759	−0.138889	−0.362105	−3.772769	−0.025985
hsa-miR-188-3p	0.0061369	−0.011529	0.2100619	−2.208001	0.3900086
hsa-miR-188-5p	0.0113888	−0.00944	−0.108678	−1.382287	0.1857158
hsa-miR-18a	−0.439407	−0.795598	−0.166359	−0.413682	−0.351724
hsa-miR-18a*	0.1398963	0.0298663	0.3893596	−0.88249	0.4543474
hsa-miR-18b	0.1409988	0.0529692	0.3251841	−1.017665	0.5078722
hsa-miR-190	0.4428759	0.1691037	0.2809062	0.6606386	0.8665468
hsa-miR-1908	0.0952194	0.1388889	NA	0.5847198	0.2517932
hsa-miR-1909*	−0.043403	−0.083333	NA	−3.506723	0.0295709
hsa-miR-190b	0.1537613	0.0833333	0.3188519	−0.940262	0.7592273
hsa-miR-191	0.0107983	−0.433538	0.0419493	−0.001554	0.1277245
hsa-miR-191*	−0.007162	−0.067084	0.3613818	−2.565931	0.0458199
hsa-miR-1911	−0.067578	−0.083333	NA	−3.594299	0.3411477
hsa-miR-1911*	0.09296	0	1.1366553	−1.846	0.2912447
hsa-miR-1914	0.0115741	0.0277778	NA	−0.386914	0.140682
hsa-miR-1915	−0.045491	−0.111111	0.5856881	−3.19192	0.0017932

Table S1 (*continued*)

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-1915*	0.0104167	0.0277778	NA	–0.385619	0.140682
hsa-miR-192	0.0184764	–0.614496	–0.048348	–0.182583	0.0920101
hsa-miR-192*	–0.474283	–0.760765	–0.09186	–0.539263	–0.16892
hsa-miR-193a-3p	0.0152475	–0.362155	0.0322576	0.0447356	0.2166007
hsa-miR-193a-5p	0.3434591	0.1125809	0.3758553	0.7078839	0.4291683
hsa-miR-193b	–0.08989	–0.531751	–0.008919	–0.102973	–0.171989
hsa-miR-193b*	0.1027476	0.05928	0.0496746	–0.766058	0.3818396
hsa-miR-194	–0.560089	–1.004701	–0.247261	–0.575149	–0.540156
hsa-miR-194*	–0.139939	–0.533346	–0.146396	–0.132585	–0.340494
hsa-miR-195	0.0582907	–0.381464	0.0663355	0.0484333	0.1087048
hsa-miR-195*	–0.427662	–0.593372	–0.047067	–0.438809	–0.104746
hsa-miR-196a	0.15476	0.0995823	0.6288021	–0.7309	0.4840674
hsa-miR-196a*	0.0144676	0.0277778	NA	–0.383929	0.5164029
hsa-miR-196b	–0.231648	–0.222222	–0.027713	–3.15117	0.300422
hsa-miR-196b*	0.0115741	0.0277778	NA	–0.386797	0.3503374
hsa-miR-197	–0.133713	–0.50456	–0.02347	–0.11438	–0.170018
hsa-miR-1972	–0.068884	–0.194444	0.3785192	–2.88178	–0.08154
hsa-miR-1973	0.0144676	0.0277778	NA	–0.383929	0.5897014
hsa-miR-1976	0.0503585	0.0555556	0.2666304	–1.355845	0.1684598
hsa-miR-198	0.0194357	0.0277778	NA	–0.364046	0.3503374
hsa-miR-199a-3p	0.1896886	–0.265879	0.1315183	0.1658258	0.1386466
hsa-miR-199a-5p	0.1053504	–0.311044	0.1101942	0.1207526	0.2049887
hsa-miR-199b-3p	0.1347386	–0.263114	0.1322399	0.1681834	0.126944
hsa-miR-199b-5p	0.3618198	–0.032748	0.3060777	0.5674318	0.4221548
hsa-miR-19a	0.4885558	0.0051864	0.2494654	0.4404738	0.5643334
hsa-miR-19a*	0.0460674	0.0555556	NA	–0.03126	0.5091529
hsa-miR-19b	0.4686891	0.0105893	0.2595822	0.4432919	0.3876225
hsa-miR-19b-1*	–0.128432	–0.00472	–0.902961	–3.423161	0.5621579
hsa-miR-19b-2*	–0.104521	–0.055556	–0.986684	–4.501345	0.3980418
hsa-miR-200a	0.13336	–0.234628	0.1392569	0.1889267	0.1713723
hsa-miR-200a*	0.1040826	0.0602757	0.0843052	–1.011103	0.5489008
hsa-miR-200b	0.0369533	–0.358687	0.0843385	0.08464	0.062403
hsa-miR-200b*	–0.158439	–0.097494	–0.392122	–3.214301	0.4725099
hsa-miR-200c	0.149394	0.1356714	0.2154812	–0.921997	0.5905744
hsa-miR-200c*	0.0194357	0.0277778	NA	–0.364046	0.5164029
hsa-miR-202*	0.0517126	0.0555556	NA	–0.024224	0.6634847
hsa-miR-203	–0.628916	–1.013662	–0.289512	–0.644605	–0.691096
hsa-miR-204	0.0579806	–0.297958	0.1048881	0.1440284	0.2407413
hsa-miR-205	–0.289496	–0.354302	–0.573722	–5.397147	0.1343227
hsa-miR-2052	0.0736306	0.0555556	NA	0.024092	0.7529987

Table S1 *(continued)*

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-2054	0.0194357	0.0277778	NA	−0.364046	0.7252209
hsa-miR-206	0.0699039	0.0555556	NA	0.0110972	0.5781998
hsa-miR-208a	−0.040957	−0.027778	−0.270984	−2.455536	0.4258195
hsa-miR-208b	−0.213963	−0.38585	−0.051677	−1.283258	0.2220792
hsa-miR-20a	0.1030578	−0.309225	0.1002825	0.1224968	0.1308074
hsa-miR-20a*	0.029273	−0.046613	0.1627984	−1.235608	0.4069842
hsa-miR-20b	0.0110653	−0.067715	0.0181387	−1.600724	0.4991626
hsa-miR-20b*	0.0115741	0.0277778	NA	−0.387198	0.5977814
hsa-miR-21	−0.041624	−0.438935	0.0375734	−0.007092	−0.012909
hsa-miR-21*	0.1005343	−0.35503	0.0677272	0.0743897	0.0056573
hsa-miR-210	0.3154221	−0.100854	0.2157964	0.3352193	−0.047191
hsa-miR-211	−0.174985	−0.233751	0.1459796	−2.639799	0.3362526
hsa-miR-2110	−0.005803	−0.076525	0.0310453	−1.678999	0.0363796
hsa-miR-2113	−0.068593	−0.083333	NA	−3.61354	0.4815028
hsa-miR-2114	0.070373	0.1111111	NA	0.3969448	0.5997363
hsa-miR-2114*	−0.076389	−0.166667	NA	−4.263226	0.2348708
hsa-miR-2115	0.0523051	0.0555556	NA	−0.086573	0.6255592
hsa-miR-2115*	0.1320703	0.1111111	NA	0.4089541	0.6337554
hsa-miR-2116	0.0649575	0.0277778	0.7023165	−1.417722	0.5926139
hsa-miR-2116*	0.0625882	0.0922758	NA	−0.138003	0.2874319
hsa-miR-2117	−0.028356	−0.055556	−0.299906	−2.817713	0.5092805
hsa-miR-212	0.0878374	−0.106586	0.2789093	−0.629812	0.2949513
hsa-miR-214	−0.319194	−0.585778	−0.012983	−0.226773	−0.105478
hsa-miR-214*	−0.400859	−0.618034	−0.010222	−0.600949	−0.128506
hsa-miR-215	−0.083666	−0.590951	−0.037192	−0.159708	−0.192401
hsa-miR-216a	0.5455105	0.4370047	0.714621	0.7316571	0.9596489
hsa-miR-216b	0.164838	0.0529692	0.3058362	−0.885108	0.4374543
hsa-miR-217	0.1237637	0.159858	0.2074708	−1.256425	0.614761
hsa-miR-218	−0.27379	−0.412109	0.1765858	−0.30998	−0.008521
hsa-miR-218-1*	0.0467445	0.0555556	NA	−0.00568	0.5441807
hsa-miR-219-1-3p	0.1407251	0.143609	0.4091641	−0.865468	0.4661686
hsa-miR-219-2-3p	−0.043403	−0.083333	NA	−3.531009	0.4393109
hsa-miR-219-5p	−0.332995	−0.3868	−0.09123	−3.278597	0.0167882
hsa-miR-22	−0.228015	−0.741114	−0.1146	−0.309263	−0.390995
hsa-miR-22*	−0.21521	−0.565104	0.0371655	−0.337809	−0.177296
hsa-miR-221	0.060675	−0.334198	0.0865893	0.0939958	0.3093589
hsa-miR-221*	0.0138144	0.0225598	0.1557354	−1.354482	0.4761571
hsa-miR-222	0.5623898	0.1455521	0.3525114	0.614417	0.802092
hsa-miR-222*	−0.028935	−0.055556	−0.108497	−2.830236	0.514448
hsa-miR-223	0.1987886	−0.214329	0.1841934	0.2127103	0.2228579

Table S1 *(continued)*

Table S1 (continued)	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-223*	0.0544251	−0.09064	0.6060391	−1.829176	0.2938453
hsa-miR-224	0.2630815	−0.159193	0.2089744	0.2149296	0.410077
hsa-miR-224*	−0.067702	−0.150418	0.0159599	−2.492567	0.3044853
hsa-miR-2276	−0.016204	−0.055556	0.628637	−2.639823	0.267004
hsa-miR-2277-3p	−0.053161	−0.055556	0.0296215	−3.74185	0.0573487
hsa-miR-2277-5p	0.1578011	0.1153334	0.2969031	−1.144929	0.2316103
hsa-miR-2278	0.0390246	0.0718045	NA	−0.125847	0.3943641
hsa-miR-2355-3p	0.0185185	0.0277778	NA	−0.366171	0.4122629
hsa-miR-2355-5p	0.2976274	0.2547201	0.5307822	−0.088236	0.6878348
hsa-miR-2392	−0.174323	−0.42745	0.180767	−0.2953	−0.173786
hsa-miR-23a	−0.06173	−0.546702	−0.011319	−0.116401	0.059415
hsa-miR-23a*	0.030138	0.0277778	0.1987696	−1.712742	0.3503374
hsa-miR-23b	−0.210607	−0.643642	−0.065451	−0.211867	−0.073213
hsa-miR-23b*	0.0963584	0.0440267	0.6878631	−1.324592	0.6140303
hsa-miR-23c	−0.344235	−0.447076	−0.175598	−3.018917	0.0755682
hsa-miR-24	0.0712166	−0.399514	0.0641662	0.034974	0.0371248
hsa-miR-24-1*	0.1620052	0.0230576	0.4416709	−0.973399	0.5457019
hsa-miR-24-2*	−0.108638	−0.171387	0.1145204	−2.502705	0.3986168
hsa-miR-2467-3p	−0.037714	−0.055556	0.2168515	−2.825622	0.0573487
hsa-miR-2467-5p	−0.432582	−0.608977	0.0944639	−2.397194	−0.184496
hsa-miR-25	−0.125094	−0.554776	−0.017204	−0.125276	−0.008207
hsa-miR-25*	−0.147021	−0.303467	0.3189037	−1.846351	0.0980704
hsa-miR-2681	0.0499661	0.0555556	NA	−0.070257	0.4400407
hsa-miR-2681*	−0.035978	−0.055556	0.3786506	−2.844691	0.514448
hsa-miR-2682	−0.043403	−0.083333	NA	−3.506723	0.3411477
hsa-miR-2682*	0.0315998	0.0277778	NA	−0.305393	0.140682
hsa-miR-26a	−0.262192	−0.736444	−0.10494	−0.304574	−0.485283
hsa-miR-26a-1*	0.1473443	0.0776628	0.3876201	−1.136661	0.600307
hsa-miR-26a-2*	−0.093122	−0.282631	0.2138114	−0.545709	0.3252979
hsa-miR-26b	−0.291079	−0.792669	−0.139499	−0.361187	−0.30812
hsa-miR-26b*	0.082372	−0.352505	−0.006981	−0.014993	0.2224137
hsa-miR-27a	0.1482273	−0.318345	0.0788371	0.1172373	0.1694664
hsa-miR-27a*	0.0705584	0.0597779	0.230918	−1.538588	0.548403
hsa-miR-27b	−0.087287	−0.516012	−0.005111	−0.084059	0.0726132
hsa-miR-27b*	0.0386635	−0.36554	0.1348621	−0.126911	0.157104
hsa-miR-28-3p	−0.082263	−0.571196	−0.030772	−0.140503	0.0787839
hsa-miR-28-5p	−0.309156	−0.75817	−0.127751	−0.34438	−0.33943
hsa-miR-2861	−0.008358	−0.027778	0.3015652	−2.262857	0.0851265
hsa-miR-2909	0.0488087	0.0555556	NA	−0.068602	0.5959443
hsa-miR-296-3p	0.0519784	0	0.9103509	−1.667177	0.1129043

Table S1 (continued)

Table S1 (*continued*)

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-296-5p	0.201557	0.1991646	0.4867933	–0.181304	0.3120688
hsa-miR-2964a-3p	–0.074092	–0.048747	–0.401546	–2.273433	0.3365825
hsa-miR-2964a-5p	0.0513741	0.0555556	NA	–0.029433	0.6255592
hsa-miR-297	0.0115741	0.0277778	NA	–0.386797	0.4608924
hsa-miR-299-3p	0.3728514	0.1396893	0.4160604	0.010849	0.6623336
hsa-miR-299-5p	–0.107125	–0.155138	–0.118198	–2.479779	0.3675064
hsa-miR-29a	–0.089098	–0.493988	0.0119342	–0.06471	–0.157459
hsa-miR-29a*	0.2311255	0.0417597	0.1982707	–0.388547	0.495357
hsa-miR-29b	0.093091	–0.34325	0.0877881	0.0731571	0.1368209
hsa-miR-29b-1*	0.0224389	0	0.5303248	–1.775314	0.3983192
hsa-miR-29b-2*	–0.025717	–0.092774	0.1302831	–1.683558	0.47723
hsa-miR-29c	–0.020034	–0.458436	0.0286976	–0.033066	0.0434127
hsa-miR-29c*	–0.140823	–0.397507	0.138768	–0.282063	0.1724967
hsa-miR-300	–0.063172	–0.027778	–0.532942	–3.902781	0.4948665
hsa-miR-301a	0.2788109	–0.09101	0.2116075	0.3434899	0.3255189
hsa-miR-301b	–0.300763	–0.586572	–0.036806	–0.834782	–0.201242
hsa-miR-302b	0.0335648	0.0555556	NA	–0.084378	0.56589
hsa-miR-302b*	0.0115741	0.0277778	NA	–0.387198	0.4813751
hsa-miR-302c	–0.066467	–0.290302	0.4258636	–0.915192	0.1646008
hsa-miR-302d	–0.038924	–0.094862	0.5083563	–3.068874	0.2904672
hsa-miR-302d*	0.0124421	0.0277778	NA	–0.390153	0.550422
hsa-miR-302e	0.0144676	0.0277778	NA	–0.383929	0.4162018
hsa-miR-302f	–0.034722	–0.083333	NA	–3.359804	0.5776075
hsa-miR-3064-3p	0.0376271	0.0277778	NA	–0.344587	0.5946559
hsa-miR-3064-5p	–0.043403	–0.083333	NA	–3.506723	0.4570554
hsa-miR-3065-3p	0.1375961	0.0021338	0.1206407	–0.926653	0.5690119
hsa-miR-3065-5p	–0.179429	–0.52253	–0.097094	–0.298876	–0.1372
hsa-miR-3074-3p	0.0955749	0.0718045	0.7130749	–1.022627	0.5604297
hsa-miR-3074-5p	–0.082361	–0.434257	0.0163116	0.0059185	–0.048624
hsa-miR-30a	–0.013174	–0.47983	0.0196464	–0.047861	0.0478137
hsa-miR-30a*	–0.328562	–0.771302	–0.136174	–0.35281	–0.298613
hsa-miR-30b	–0.129944	–0.532846	0.0020207	–0.099523	–0.257664
hsa-miR-30b*	–0.038745	–0.120551	0.1228089	–1.750298	0.4494522
hsa-miR-30c	0.1348063	–0.331406	0.0897582	0.1002532	0.1372518
hsa-miR-30c-1*	–0.196743	–0.413582	–0.069198	–0.724592	0.0750427
hsa-miR-30c-2*	0.1653507	–0.277344	0.1273571	0.049537	0.2960713
hsa-miR-30d	–0.003228	–0.450494	0.0313704	–0.018996	0.1018553
hsa-miR-30d*	–0.66366	–0.989977	–0.243217	–0.848754	–0.467333
hsa-miR-30e	0.1686723	–0.345566	0.0874299	0.0859614	0.0122699
hsa-miR-30e*	–0.246371	–0.699597	–0.096233	–0.27878	–0.103035

Table S1 (*continued*)

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-31	–0.138039	–0.243191	0.3061334	–2.015777	0.2971974
hsa-miR-31*	0.0805176	0.0555556	NA	0.0440144	0.4400407
hsa-miR-3115	0.0322769	0.0277778	NA	–0.278608	0.530095
hsa-miR-3116	0.0418481	–0.027778	0.4604748	–1.90301	0.5422258
hsa-miR-3117-3p	–0.090093	–0.027778	–1.053737	–3.95289	0.4053369
hsa-miR-3118	0.0425952	0.0555556	NA	–0.043395	0.6962369
hsa-miR-3119	–0.52701	–0.905681	–0.200935	–0.518553	–0.518053
hsa-miR-3120-3p	0.2108675	0.2756892	0.0101586	–0.561865	0.8160779
hsa-miR-3120-5p	–0.05766	–0.199165	0.3290503	–2.361458	0.2023729
hsa-miR-3121-3p	0.0644554	0.0555556	NA	0.0582505	0.5091529
hsa-miR-3122	0.0477431	0.0833333	NA	0.1242683	0.5719585
hsa-miR-3123	0.0298637	0.0277778	NA	–0.286232	0.6887186
hsa-miR-3124-3p	–0.043403	–0.083333	NA	–3.520975	0.4866703
hsa-miR-3124-5p	0.0492011	0.0555556	NA	–0.071658	0.2507116
hsa-miR-3125	–0.116095	–0.083333	NA	–5.331477	0.4866703
hsa-miR-3126-3p	–0.034722	–0.083333	NA	–3.359804	0.4052918
hsa-miR-3126-5p	–0.032986	–0.083333	NA	–3.344104	0.4052918
hsa-miR-3127-3p	0.0194357	0.0277778	NA	–0.364046	0.140682
hsa-miR-3127-5p	–0.032986	–0.083333	NA	–3.344104	0.4608426
hsa-miR-3129-3p	0.0300926	0.0555556	NA	–0.104261	0.4400407
hsa-miR-3130-3p	0.0776068	0.1111111	NA	0.4154783	0.3062672
hsa-miR-3130-5p	0.0299734	–0.027778	1.0592408	–2.041512	0.0851265
hsa-miR-3131	–0.023148	–0.055556	0.2956404	–2.792536	0.1877689
hsa-miR-3132	0.0709773	0.0555556	NA	0.0301359	0.5547475
hsa-miR-3133	–0.17506	–0.138889	–0.393606	–4.152915	0.5585542
hsa-miR-3135	–0.026129	–0.055556	0.087578	–2.511901	0.267004
hsa-miR-3135b	0.0614312	–0.36273	0.356857	0.1907963	–0.233247
hsa-miR-3136-3p	0.0115741	0.0277778	NA	–0.38794	0.550422
hsa-miR-3136-5p	–0.048551	–0.138889	0.2882347	–2.651821	0.3160141
hsa-miR-3138	–0.094723	–0.055556	–0.617985	–4.473289	0.4436364
hsa-miR-3139	0.0032434	–0.027778	0.3903113	–2.295378	0.5391003
hsa-miR-3140-5p	0.0231481	0.0555556	NA	–0.123522	0.6178172
hsa-miR-3141	0.0839376	0.1111111	NA	0.3375674	0.2240154
hsa-miR-3143	–0.039931	–0.083333	NA	–3.488777	0.3827928
hsa-miR-3144-3p	0.0081019	0	0.3808781	–1.816653	0.4535973
hsa-miR-3144-5p	–0.068593	–0.083333	NA	–3.61354	0.3011518
hsa-miR-3145-3p	–0.023036	–0.055556	0.0444275	–2.877115	0.6098737
hsa-miR-3145-5p	–0.080796	–0.076525	–0.275728	–2.383744	0.3770727
hsa-miR-3146	0.0853767	0.0833333	NA	0.2689546	0.4678185
hsa-miR-3147	–0.12953	–0.111111	–0.078622	–4.736028	0.0559221

Table S1 *(continued)*

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-3148	0.0115741	0.0277778	NA	–0.386914	0.4122629
hsa-miR-3150b-3p	0.0271991	0.0555556	NA	–0.100658	0.457093
hsa-miR-3150b-5p	0.0994175	0.0440267	0.4207718	–1.478149	0.156931
hsa-miR-3151	–0.068593	–0.083333	NA	–3.61354	0.1118227
hsa-miR-3152-3p	–0.188473	–0.222222	–0.516684	–5.38998	0.2313751
hsa-miR-3152-5p	0.0315998	0.0277778	NA	–0.305393	0.4122629
hsa-miR-3153	–0.051056	–0.138889	0.6747544	–3.684216	0.405287
hsa-miR-3154	0.0130208	0.0277778	NA	–0.386383	0.3503374
hsa-miR-3155b	0.0832397	0.0277778	0.7745881	–1.446374	0.140682
hsa-miR-3156-5p	0.0482407	0.0277778	NA	–0.364627	0.550422
hsa-miR-3157-3p	–0.001245	0.0555556	–0.368179	–1.587038	0.5441807
hsa-miR-3157-5p	0.0367782	–0.083333	0.6828455	–2.168144	0.4061941
hsa-miR-3158-3p	0.0207463	0.0277778	0.112502	–1.630002	0.3503374
hsa-miR-3159	0.0101878	–0.027778	0.2012498	–2.275621	0.5422258
hsa-miR-3160-3p	–0.012434	–0.027778	0.5349033	–2.433585	0.5422258
hsa-miR-3160-5p	–0.044515	–0.138889	1.1618901	–3.72228	0.3497363
hsa-miR-3161	–0.012382	–0.055556	0.6148379	–2.788825	0.5113225
hsa-miR-3162-3p	–0.150792	–0.243191	0.1011324	–3.796595	–0.130287
hsa-miR-3163	–0.018519	–0.055556	0.254245	–2.65884	0.3980418
hsa-miR-3167	–0.002289	–0.055556	0.9838867	–2.822265	0.3980418
hsa-miR-3168	–0.018884	–0.027778	0.0858096	–2.419637	0.5298667
hsa-miR-3169	0.0315998	0.0277778	NA	–0.305393	0.5977814
hsa-miR-3170	–0.115451	–0.25	0.0258606	–3.436324	0.2386252
hsa-miR-3173-3p	–0.043403	–0.083333	NA	–3.520975	0.4866703
hsa-miR-3173-5p	0.018857	0.0277778	0.0664146	–1.697154	0.5977814
hsa-miR-3174	–0.244332	–0.652948	0.5286884	–0.692956	–0.08607
hsa-miR-3176	0.0759311	0.0833333	NA	0.2918653	0.1962376
hsa-miR-3177-3p	–0.015914	–0.027778	–0.315048	–2.366728	0.0851265
hsa-miR-3178	0.0260417	0.0555556	NA	–0.121878	0.1684598
hsa-miR-3180-3p	0.0479427	–0.206807	0.2414182	–0.505301	–0.129662
hsa-miR-3182	0.1611062	0.0230576	0.291363	–0.625426	0.5807022
hsa-miR-3183	0.0231481	0.0555556	NA	–0.125787	0.1684598
hsa-miR-3184	0.2417335	0.0235178	0.1492859	–0.129142	0.377937
hsa-miR-3185	–0.039931	–0.083333	NA	–3.488777	0.0295709
hsa-miR-3186-5p	–0.043403	–0.083333	NA	–3.506723	0.2392263
hsa-miR-3187-5p	0.0315998	0.0277778	NA	–0.323107	0.140682
hsa-miR-3188	–0.039931	–0.083333	NA	–3.488777	0.1599911
hsa-miR-3189-3p	0.0115741	0.0277778	NA	–0.386797	0.2229339
hsa-miR-3189-5p	0.0438509	0.0555556	NA	0.002373	0.1684598
hsa-miR-3190	0.0709773	0.0555556	NA	0.0301359	0.4800366

Table S1 *(continued)*

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-3191	–0.124089	–0.138889	–0.469335	–3.905	–0.025985
hsa-miR-3192	–0.183519	–0.25	0.2201587	–4.375543	0.2941759
hsa-miR-3193	0.0274506	0.0277778	NA	–0.32362	0.5164029
hsa-miR-3194-3p	–0.065274	–0.104302	–0.273487	–2.913018	0.2182572
hsa-miR-3194-5p	–0.179207	–0.347494	0.2175646	–2.197253	–0.234589
hsa-miR-3195	0.0456339	–0.039307	0.8246377	–1.980554	0.0735977
hsa-miR-3196	0.0283565	0.0555556	NA	–0.10299	0.1684598
hsa-miR-3197	–0.043403	–0.083333	NA	–3.506723	0.0295709
hsa-miR-3199	0.0895563	0.0555556	0.5029636	–1.203964	0.6224336
hsa-miR-32	0.0829985	–0.313295	0.0808757	0.0929646	0.2946208
hsa-miR-32*	–0.128501	–0.171387	0.1502217	–2.263536	0.5260563
hsa-miR-3200-3p	–0.094831	–0.25472	0.3188078	–2.280658	0.0678395
hsa-miR-3200-5p	0.0131873	0	0.0131069	–2.929725	0.5700036
hsa-miR-3201	–0.005011	–0.055556	0.815774	–2.791066	0.6053853
hsa-miR-320a	0.0891734	–0.37736	0.0747496	0.0472256	0.0216126
hsa-miR-320b	0.0746135	–0.170112	0.0671582	–0.133818	0.3998914
hsa-miR-320c	0.3486026	0.2893066	0.3781218	–0.111665	0.8593102
hsa-miR-320d	0.0799348	0.0277778	0.3686607	–1.404014	0.5897014
hsa-miR-323-3p	–0.065429	–0.205973	0.421769	–2.446969	0.3364307
hsa-miR-323-5p	0.0231481	0.0555556	NA	–0.125787	0.1684598
hsa-miR-323b-3p	–0.133681	–0.215414	0.3011108	–3.316678	0.2732116
hsa-miR-323b-5p	0.0406302	0	0.6624746	–1.606368	0.424481
hsa-miR-324-3p	–0.055435	–0.215911	0.2470562	–0.792591	–0.106628
hsa-miR-324-5p	–0.292673	–0.752152	–0.166834	–0.481918	–0.569673
hsa-miR-326	–0.024481	–0.247414	0.233806	–0.16721	–0.13813
hsa-miR-328	0.8076171	0.3886497	0.5174449	0.9998683	0.5264839
hsa-miR-329	0.0279344	–0.00472	0.0211296	–1.859875	0.379765
hsa-miR-330-3p	0.0859937	0.1456976	–0.292396	–0.972897	0.389022
hsa-miR-330-5p	–0.105957	–0.256854	0.1942692	–1.110803	0.0657057
hsa-miR-331-3p	–0.256942	–0.551677	0.0038007	–0.174487	–0.378525
hsa-miR-331-5p	–0.463683	–0.597494	–0.678583	–3.99254	–0.274934
hsa-miR-335	0.0875507	–0.2855	0.1133228	0.1333665	0.5124857
hsa-miR-335*	–0.170916	–0.525808	–0.029945	–0.135746	–0.07028
hsa-miR-337-3p	–0.270094	–0.478578	–0.015892	–1.129268	–0.094093
hsa-miR-337-5p	0.1061183	0.1273601	0.1176746	–1.117606	0.6921962
hsa-miR-338-3p	–0.380566	–0.684074	0.0072335	–0.750151	–0.299589
hsa-miR-338-5p	0.3253548	0.2385958	0.1076226	–0.703856	0.76124
hsa-miR-339-3p	0.0669526	–0.329742	0.0193005	0.0208443	–0.219195
hsa-miR-339-5p	0.654138	0.2957154	0.2970358	0.732625	0.4102867
hsa-miR-33a	–0.090686	–0.309661	0.1053136	–0.933551	0.1234534

Table S1 *(continued)*

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-33a*	0.1481507	0.0393518	0.323054	–0.328062	0.5619961
hsa-miR-33b	–0.076565	–0.409863	0.1054652	–0.040227	0.1691024
hsa-miR-33b*	0.2262509	0.1530493	0.4927226	–1.001357	0.2659536
hsa-miR-340	–0.184001	–0.59757	–0.042202	–0.167492	–0.00256
hsa-miR-340*	–0.457096	–0.702237	–0.090686	–0.713261	–0.317752
hsa-miR-342-3p	0.5170791	0.0277815	0.2707206	0.4571854	0.5844624
hsa-miR-342-5p	0.1278284	0.1158313	–0.092045	–0.732359	0.6806673
hsa-miR-345	0.0119382	–0.413763	0.0379124	–0.021658	–0.385431
hsa-miR-346	0.0044008	–0.027778	0.1152174	–2.158249	0.0851265
hsa-miR-34a	0.6217391	0.3089684	0.4278732	0.8225401	0.9609876
hsa-miR-34a*	0.1282474	0.143609	0.1201641	–0.988071	0.6662533
hsa-miR-34b*	–0.034722	–0.083333	NA	–3.359804	0.3715697
hsa-miR-34c-3p	0.1500115	0.1158313	0.735556	–0.964503	0.6085184
hsa-miR-34c-5p	0.0321812	–0.055556	0.425932	–2.195506	0.5113225
hsa-miR-3529	0.0576415	0.0833333	NA	0.1695514	0.4678185
hsa-miR-3545-3p	–0.067578	–0.083333	NA	–3.594299	0.301996
hsa-miR-3545-5p	–0.102741	–0.255351	0.2226497	–0.420205	0.1982461
hsa-miR-3591-3p	–0.22895	–0.673902	–0.095125	–0.241929	–0.180206
hsa-miR-3591-5p	–0.145281	–0.582924	–0.033462	–0.147336	–0.007535
hsa-miR-3605-3p	–0.000529	–0.094862	0.3967133	–2.456906	0.3296189
hsa-miR-3605-5p	–0.031273	–0.020969	–0.187651	–1.944654	0.5232068
hsa-miR-3606	0.039098	0.0440267	NA	–0.363096	0.7414699
hsa-miR-3607-3p	–0.201293	–0.40314	0.0595785	–0.399943	–0.02372
hsa-miR-3607-5p	–0.04919	–0.138889	0.6275362	–3.488559	0.2455962
hsa-miR-3609	–0.000423	0	0.0488187	–2.079894	0.3983192
hsa-miR-361-3p	–0.188524	–0.56764	–0.054636	–0.194819	0.0092603
hsa-miR-361-5p	–0.280482	–0.664378	–0.08879	–0.250141	–0.123609
hsa-miR-3611	0.1020544	0.143609	NA	0.3814338	0.8410521
hsa-miR-3613-3p	–0.173555	–0.30864	0.22444	–1.251036	0.1098851
hsa-miR-3613-5p	–0.320412	–0.674757	–0.193769	–0.353872	0.0226862
hsa-miR-3614-3p	–0.004409	0	–0.053836	–2.082814	0.3853293
hsa-miR-3614-5p	–0.037619	–0.191405	0.1816563	–1.600676	0.051919
hsa-miR-3615	0.0360937	–0.179698	0.1195614	–0.738925	–0.066794
hsa-miR-3616-3p	0.0310211	0.0277778	NA	–0.286016	0.4522588
hsa-miR-3616-5p	–0.102808	–0.166667	NA	–4.322403	0.2869306
hsa-miR-3617	0.0435124	0.0555556	NA	–0.053006	0.4400407
hsa-miR-3619-3p	–0.04836	–0.111111	0.3748791	–3.184443	0.0017932
hsa-miR-3619-5p	0.0684789	0.0555556	NA	0.0614872	0.1684598
hsa-miR-362-3p	–0.013953	–0.099582	0.0543048	–1.037393	0.354015
hsa-miR-362-5p	0.475806	0.1184788	0.2271094	0.7237278	0.651408

Table S1 *(continued)*

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-3620	0.05346	0.0555556	0.069378	–1.266808	0.1684598
hsa-miR-3622a-3p	0.0570628	0.0833333	NA	0.201832	0.4058929
hsa-miR-3622a-5p	–0.09221	–0.13208	–0.096281	–2.982566	–0.019176
hsa-miR-3622b-3p	–0.01494	–0.094862	0.7985829	–3.07533	0.0180421
hsa-miR-3622b-5p	0.0822969	0.0833333	NA	0.3168086	0.3660694
hsa-miR-363	–0.256595	–0.649593	–0.133633	–0.403028	–0.265108
hsa-miR-363*	0.0040963	–0.055556	1.485595	–2.651851	0.514448
hsa-miR-3647-3p	–0.056634	–0.106391	–0.224659	–1.234861	0.5342904
hsa-miR-3648	0.0150463	0.0277778	NA	–0.366916	0.140682
hsa-miR-365	–0.031951	–0.44904	0.0270424	–0.026181	0.2383326
hsa-miR-365*	–0.007365	–0.178195	0.3926691	–2.077097	0.1443641
hsa-miR-3650	0.0144676	0.0277778	NA	–0.383929	0.5632945
hsa-miR-3651	–0.026851	–0.150418	0.5693231	–2.914273	0.2040015
hsa-miR-3652	–0.055201	–0.055556	–0.069326	–2.578164	0.0573487
hsa-miR-3653	–0.034722	–0.083333	NA	–3.359804	0.3052607
hsa-miR-3654	0.0104167	0.0277778	NA	–0.385619	0.5632945
hsa-miR-3655	–0.039931	–0.083333	NA	–3.488777	0.1118227
hsa-miR-3656	0.0310211	0.0277778	NA	–0.314959	0.140682
hsa-miR-3657	0.0757893	0.0833333	NA	0.2531714	0.4869218
hsa-miR-3658	0.0115741	0.0277778	NA	–0.386914	0.6357069
hsa-miR-3659	0.0115741	0.0277778	NA	–0.386797	0.5681665
hsa-miR-3660	0.0115741	0.0277778	NA	–0.38794	0.4608924
hsa-miR-3661	0.0526876	0.0555556	NA	–0.086102	0.1684598
hsa-miR-3662	–0.039931	–0.083333	NA	–3.488777	0.3351915
hsa-miR-3663-5p	0.0115741	0.0277778	NA	–0.386797	0.140682
hsa-miR-3664-3p	0.038283	0.0277778	0.1782218	–1.886696	0.4122629
hsa-miR-3664-5p	–0.138665	–0.138889	–0.472554	–5.005177	0.2455962
hsa-miR-3666	0.0115741	0.0277778	NA	–0.386797	0.5681665
hsa-miR-3667-3p	0.0561613	0.016249	0.7591462	–1.803339	0.5862526
hsa-miR-3669	0.0274506	0.0277778	NA	–0.32362	0.6684591
hsa-miR-367	0.0115741	0.0277778	NA	–0.385569	0.4813751
hsa-miR-3670	0.0594268	0.0833333	NA	0.1665698	0.6533369
hsa-miR-3671	–0.039931	–0.083333	NA	–3.488777	0.370264
hsa-miR-3672	0.0790213	0.0833333	NA	0.3150397	0.7240147
hsa-miR-3674	–0.039931	–0.083333	NA	–3.488777	0.3011518
hsa-miR-3675-5p	0.0115741	0.0277778	NA	–0.387198	0.4826808
hsa-miR-3676	–0.003472	0	–0.049704	–2.02365	0.282736
hsa-miR-3677-3p	0.0376157	0.0833333	NA	0.0895408	0.1962376
hsa-miR-3677-5p	0.0089024	–0.011529	0.254853	–2.224752	0.1013754
hsa-miR-3678-3p	–0.048709	–0.111111	0.7037043	–3.346715	0.2142684

Table S1 *(continued)*

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-3678-5p	–0.049059	–0.055556	–0.030578	–2.904319	0.514448
hsa-miR-3679-3p	–0.021412	–0.055556	0.1031852	–2.664582	0.514448
hsa-miR-3679-5p	–0.073032	–0.104302	0.0505416	–2.972908	0.3201786
hsa-miR-3680	0.0425952	0.0555556	NA	–0.01744	0.6255592
hsa-miR-3680*	0.0428846	0.0555556	NA	–0.015531	0.5997315
hsa-miR-3681	–0.077071	–0.027778	–0.60124	–3.885891	0.5422258
hsa-miR-3681*	0.0298637	0.0277778	NA	–0.286232	0.550422
hsa-miR-3682-3p	–0.018519	–0.055556	0.254245	–2.65884	0.5092805
hsa-miR-3682-5p	0.1287507	0.1111111	NA	0.4458879	0.5647084
hsa-miR-3683	0.0274506	0.0277778	NA	–0.32362	0.4122629
hsa-miR-3684	0.0411136	0.0277778	NA	–0.358876	0.4608924
hsa-miR-3686	0.0058324	–0.055556	1.5098361	–2.635093	0.6418876
hsa-miR-3687	0.0576415	0.0833333	NA	0.2193026	0.1962376
hsa-miR-3688-3p	–0.071345	–0.083333	NA	–3.628066	0.3011518
hsa-miR-3688-5p	0.1751429	0.1944444	NA	1.1113544	0.5980329
hsa-miR-3689a-5p	0.0134544	–0.055556	1.426206	–2.794457	0.4670887
hsa-miR-3689b*	–0.034722	–0.083333	NA	–3.359804	0.4866703
hsa-miR-3689d	0.0245274	–0.027778	1.0842843	–2.137119	0.2947818
hsa-miR-3689f	0.0130208	0.0277778	NA	–0.386383	0.5977814
hsa-miR-369-3p	–0.364461	–0.463815	0.0159632	–0.883535	0.2336278
hsa-miR-369-5p	–0.208899	–0.222222	–0.037822	–2.648829	0.300422
hsa-miR-3690	–0.039931	–0.083333	NA	–3.488777	0.3411477
hsa-miR-3691-3p	0.0185185	0.0277778	NA	–0.366171	0.5164029
hsa-miR-3691-5p	0.0949641	0.0833333	NA	0.2202788	0.6275092
hsa-miR-3692	0.0167824	0.0277778	NA	–0.363828	0.5977814
hsa-miR-3692*	–0.121125	–0.138889	–0.036692	–3.899537	0.2155304
hsa-miR-370	0.2716037	0.1368003	0.5179558	–0.611219	0.2497046
hsa-miR-371-3p	0.0310211	0.0277778	NA	–0.286016	0.5946559
hsa-miR-371-5p	–0.001447	0	0.0198886	–1.990265	0.4751706
hsa-miR-3713	–0.043403	–0.083333	NA	–3.520975	0.3918373
hsa-miR-371b-3p	0.0728356	0.0995823	NA	0.1852216	0.5240633
hsa-miR-371b-5p	0.0575256	0	0.8971914	–1.939694	0.5226443
hsa-miR-372	–0.05674	–0.094862	0.1864304	–3.043136	0.4720159
hsa-miR-373	–0.051935	–0.115831	0.204961	–2.047915	0.4510468
hsa-miR-374a	0.0197719	–0.338874	0.0825304	0.0943014	0.4041067
hsa-miR-374a*	–0.189686	–0.605166	–0.051652	–0.187034	0.0985581
hsa-miR-374b	–0.124395	–0.510148	–0.003993	–0.136608	0.1070278
hsa-miR-374b*	–0.116976	–0.259121	0.1509838	–1.060308	0.3488082
hsa-miR-374c	0.0104167	0.0277778	NA	–0.385619	0.4813751
hsa-miR-375	–0.634872	–1.055209	–0.216659	–0.650701	–0.604586

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-376a	0.0645182	–0.207804	0.3889089	–0.599261	0.1957841
hsa-miR-376a*	0.0984545	0.0440267	0.2731452	–1.422165	0.497624
hsa-miR-376b	–0.022346	–0.134169	0.2931372	–1.664922	0.4737604
hsa-miR-376c	0.2065945	–0.133448	0.151351	0.4708708	0.2727884
hsa-miR-377	–0.177951	–0.299199	0.1649022	–0.998507	0.1543978
hsa-miR-377*	–0.070298	–0.161947	0.3389519	–2.313755	0.4080571
hsa-miR-378	–0.168995	–0.607097	–0.044446	–0.176047	–0.045807
hsa-miR-378*	–0.113228	–0.497815	–0.002355	–0.259673	–0.244341
hsa-miR-378b	–0.089353	–0.222222	1.4016232	–4.111096	0.3216503
hsa-miR-378c	–0.004033	–0.411919	0.0520343	–0.033218	0.1490774
hsa-miR-378d	–0.261644	–0.520184	–0.02342	–0.307702	–0.011522
hsa-miR-378e	–0.020848	–0.104302	0.3724116	–2.199204	0.4285601
hsa-miR-378f	–0.115403	–0.134169	0.0153596	–2.347098	0.3472816
hsa-miR-378g	–0.184081	–0.386755	0.2292869	–1.600467	0.0884155
hsa-miR-378h	–0.510728	–0.582383	–0.347661	–3.051486	–0.041994
hsa-miR-378i	0.2255454	0.2038847	0.5879127	–0.672135	0.7442734
hsa-miR-379	–0.148917	–0.256037	0.0740754	–1.04774	0.3087993
hsa-miR-379*	0.1425596	0.1388889	0.6240104	–0.395631	0.5924862
hsa-miR-380	–0.000922	–0.055556	0.1642977	–2.131873	0.5523736
hsa-miR-381	–0.134374	–0.532211	–0.026858	–0.111635	0.0086463
hsa-miR-382	–0.048384	–0.241058	0.2496061	–1.270409	0.3289461
hsa-miR-383	–0.109873	–0.178195	0.1277023	–1.737334	0.3444488
hsa-miR-384	0.0411136	0.0277778	NA	–0.359298	0.7252209
hsa-miR-3907	0.0829809	0.0718045	NA	0.0249053	0.1847088
hsa-miR-3908	–0.002289	–0.055556	1.092941	–2.832267	0.3289296
hsa-miR-3909	–0.106274	–0.21137	0.1289187	–0.725378	0.1111899
hsa-miR-3911	0.1233635	0.0995823	NA	0.3377472	0.4221419
hsa-miR-3912	–0.227944	–0.461379	0.1202488	–1.32377	0.1008827
hsa-miR-3913-3p	0.0802039	0.0277778	0.9170777	–1.293745	0.4122629
hsa-miR-3913-5p	–0.400678	–0.38208	–0.412699	–5.661812	0.0024049
hsa-miR-3914	–0.031829	–0.055556	–0.259557	–2.835971	0.3980418
hsa-miR-3916	–0.028356	–0.055556	–0.082242	–2.815926	0.4850772
hsa-miR-3917	0.0115741	0.0277778	NA	–0.385569	0.140682
hsa-miR-3918	0.0310211	0.0277778	NA	–0.287335	0.2229339
hsa-miR-3919	0.0115741	0.0277778	NA	–0.387198	0.5926139
hsa-miR-3920	0.044042	0.0555556	NA	–0.03779	0.6634847
hsa-miR-3921	–0.056512	–0.055556	–0.492649	–2.925012	0.3993475
hsa-miR-3922-3p	–0.242831	–0.333333	NA	–5.909467	0.1893109
hsa-miR-3922-5p	0.0115741	0.0277778	NA	–0.38794	0.2711022
hsa-miR-3923	–0.028356	–0.055556	0.1529086	–2.83974	0.3980418

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-3924	0.0526876	0.0555556	NA	−0.085279	0.6634847
hsa-miR-3925-3p	0.03125	0.0555556	NA	−0.098963	0.4591441
hsa-miR-3925-5p	0.0067156	−0.027778	0.4981681	−2.111424	0.4948665
hsa-miR-3927	0.0411136	0.0277778	NA	−0.359298	0.4813751
hsa-miR-3928	0.0007179	−0.060276	0.2858405	−2.235131	0.0526286
hsa-miR-3929	0.0104167	0.0277778	NA	−0.385619	0.5719537
hsa-miR-3934	0.0438509	0.0718045	NA	−0.126713	0.5604297
hsa-miR-3935	0.0322769	0.0277778	NA	−0.278608	0.5164029
hsa-miR-3936	0.0310211	0.0277778	NA	−0.286016	0.5977814
hsa-miR-3938	0.0435124	0.0555556	NA	−0.053427	0.5781998
hsa-miR-3939	0.0974993	0.1111111	NA	0.4099068	0.4336707
hsa-miR-3940-3p	0.0295744	0.0440267	NA	−0.379636	0.156931
hsa-miR-3941	0.0245949	0.0555556	NA	−0.12537	0.5091529
hsa-miR-3942-3p	0.0115741	0.0277778	NA	−0.386797	0.7252209
hsa-miR-3942-5p	−0.082919	−0.159858	−0.152019	−3.214769	0.4480711
hsa-miR-3943	0.0231481	0.0555556	NA	−0.124756	0.1684598
hsa-miR-3944-3p	0.0283193	0.0623642	−0.517538	−1.216424	0.1752685
hsa-miR-3944-5p	−0.450866	−0.81607	−0.051656	−0.414518	−0.654145
hsa-miR-3945	−0.032986	−0.055556	−0.179863	−2.859908	0.5113225
hsa-miR-3960	0.1983097	−0.091778	0.2375173	−0.357694	0.028711
hsa-miR-3972	−0.039931	−0.083333	NA	−3.488777	0.0295709
hsa-miR-3977	0.0612615	0.0555556	NA	−0.090329	0.56589
hsa-miR-409-3p	−0.285971	−0.669122	−0.116568	−0.327496	−0.195223
hsa-miR-409-5p	−0.124864	−0.055556	−0.581302	−3.95692	0.5113225
hsa-miR-410	0.0731522	−0.2415	0.1725214	0.0656901	0.1620881
hsa-miR-411	−0.451876	−0.731591	−0.097541	−0.347166	−0.157012
hsa-miR-411*	0.061527	0.0277778	0.263699	−1.7222	0.550422
hsa-miR-412	0.063298	0.0555556	NA	0.0695342	0.4800366
hsa-miR-421	−0.430235	−0.726378	−0.160405	−0.505709	−0.271475
hsa-miR-422a	−0.13565	−0.265299	0.0781188	−1.732004	0.2233266
hsa-miR-423-3p	−0.312534	−0.723863	−0.140146	−0.314153	−0.585386
hsa-miR-423-5p	−0.146563	−0.539214	−0.029438	−0.118653	−0.037644
hsa-miR-424	−0.658787	−1.102889	−0.281523	−0.688848	−0.583255
hsa-miR-424*	−0.14259	−0.398403	0.0852004	−0.834504	0.1440005
hsa-miR-425	−0.034642	−0.388425	0.0470795	0.0346684	0.2541792
hsa-miR-425*	−0.380338	−0.372685	−0.082751	−2.707179	−0.259781
hsa-miR-4252	0.0383921	0.0277778	NA	−0.342676	0.1635128
hsa-miR-4253	0.0460674	0.0555556	NA	−0.03126	0.1684598
hsa-miR-4254	0.0310211	0.0277778	NA	−0.287335	0.2711022
hsa-miR-4255	−0.043403	−0.083333	NA	−3.531009	0.4743112

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-4259	0.1155084	0.1551378	NA	0.3669108	0.4776974
hsa-miR-4260	0.0568935	0.0555556	NA	−0.031922	0.1912905
hsa-miR-4261	−0.043403	−0.083333	NA	−3.506723	0.3507961
hsa-miR-4262	0.044042	0.0555556	NA	−0.054698	0.6132001
hsa-miR-4264	0.0266204	0.0555556	NA	−0.103643	0.4439796
hsa-miR-4266	0.0576415	0.0833333	NA	0.170332	0.1962376
hsa-miR-4268	−0.013828	−0.039307	0.3880121	−2.612335	0.1558495
hsa-miR-4271	0.0700836	0.1111111	NA	0.3794942	0.2468461
hsa-miR-4272	0.0763188	0.0833333	NA	0.2686177	0.645595
hsa-miR-4274	0.0009285	−0.027778	0.1640851	−2.285304	0.0851265
hsa-miR-4275	−0.064182	−0.027778	−0.418611	−3.849353	0.4637301
hsa-miR-4278	0.0167824	0.0277778	NA	−0.363828	0.2599679
hsa-miR-4281	0.0248843	0.0555556	NA	−0.120578	0.1684598
hsa-miR-4283	0.0310211	0.0277778	NA	−0.287335	0.3617317
hsa-miR-4284	−0.128025	−0.222222	0.5012669	−3.994583	0.004083
hsa-miR-4286	0.3611247	0.1658611	0.4072428	0.3182243	0.2879142
hsa-miR-4287	0.0407311	0.0277778	NA	−0.359792	0.5632945
hsa-miR-4289	−0.024306	−0.055556	0.2507198	−2.68004	0.4799612
hsa-miR-429	−0.342026	−0.642124	−0.025087	−0.308723	−0.200828
hsa-miR-4290	−0.066412	−0.104302	0.4838867	−3.013494	0.2679246
hsa-miR-4291	−0.034722	−0.083333	NA	−3.359804	0.4866703
hsa-miR-4292	0.0061369	−0.027778	0.3730037	−2.231364	0.0851265
hsa-miR-4294	−0.056953	−0.023058	−0.201913	−3.059429	0.0898466
hsa-miR-4295	−0.017361	−0.027778	−0.205131	−2.391781	0.3608162
hsa-miR-4298	0.0499661	0.0555556	NA	−0.068549	0.1684598
hsa-miR-4299	0.0185185	0.0277778	NA	−0.366171	0.2599679
hsa-miR-4302	0.0638792	0.0833333	NA	0.1298383	0.1962376
hsa-miR-4304	−0.039931	−0.083333	NA	−3.488777	0.0295709
hsa-miR-4305	0.0167824	0.0277778	NA	−0.363828	0.485412
hsa-miR-4307	0.0590504	0.0555556	NA	0.0461516	0.6696859
hsa-miR-4308	0.0114401	−0.094862	1.041991	−2.781088	0.3949074
hsa-miR-4309	0.0104167	0.0277778	NA	−0.385619	0.5977814
hsa-miR-431	0.1277355	0.0765247	0.7099058	−1.19824	0.4780621
hsa-miR-431*	−0.032986	−0.083333	NA	−3.344104	0.2392263
hsa-miR-4312	0.0115741	0.0277778	NA	−0.386797	0.1635128
hsa-miR-4313	−0.01645	0	−0.149877	−2.116924	0.1129043
hsa-miR-4315	0.044042	0.0718045	NA	−0.126151	0.3039946
hsa-miR-4317	−0.01794	−0.055556	0.6077323	−2.643099	0.502089
hsa-miR-4319	0.0300926	0.0555556	NA	−0.10291	0.3895095
hsa-miR-432	−0.166216	−0.436615	0.1635572	−0.656919	0.1075608

Table S1 *(continued)*

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-432*	−0.025991	0	−0.15875	−2.926529	0.4015375
hsa-miR-4321	0.0310211	0.0277778	NA	−0.286016	0.140682
hsa-miR-4322	−0.071345	−0.083333	NA	−3.628066	0.0295709
hsa-miR-4323	−0.032986	−0.083333	NA	−3.344104	0.0295709
hsa-miR-4324	−0.010995	−0.027778	0.1358342	−2.339214	0.5422258
hsa-miR-4325	0.0107161	0.0047201	0.5001312	−2.179503	0.4944897
hsa-miR-4326	0.0534827	−0.011529	0.4883533	−1.727517	0.4636418
hsa-miR-4328	0.0817414	0.0833333	NA	0.1501497	0.6409779
hsa-miR-4329	0.0130208	0.0277778	NA	−0.386383	0.4000048
hsa-miR-433	0.0165611	−0.039307	0.2025109	−1.352389	0.4493186
hsa-miR-4420	0.0240162	0.0555556	NA	−0.126783	0.6255592
hsa-miR-4421	0.0500692	0.0555556	NA	−0.075185	0.6255592
hsa-miR-4422	−0.146228	−0.166667	NA	−5.70782	0.266448
hsa-miR-4423-3p	−0.048306	−0.027778	−0.209202	−3.170342	0.3758107
hsa-miR-4423-5p	0.0344934	0.0277778	NA	−0.318088	0.550422
hsa-miR-4424	0.0162655	0.016249	0.0477663	−2.729416	0.6241781
hsa-miR-4425	0.0115741	0.0277778	NA	−0.386797	0.5977814
hsa-miR-4426	0.0832629	0.0718045	NA	−0.073766	0.4602286
hsa-miR-4427	−0.001178	−0.027778	0.6404182	−2.451341	0.3758107
hsa-miR-4428	0.0298524	0.0555556	NA	−0.100872	0.3781152
hsa-miR-4430	−0.020255	−0.055556	0.1954698	−2.678189	0.0573487
hsa-miR-4431	0.0115741	0.0277778	NA	−0.387198	0.550422
hsa-miR-4432	0.0315998	0.0277778	NA	−0.323107	0.5364398
hsa-miR-4433	−0.039931	−0.083333	NA	−3.488777	0.1118227
hsa-miR-4434	0.0150463	0.0277778	NA	−0.366916	0.5900394
hsa-miR-4435	0.0684434	−0.011529	0.2668358	−1.411389	0.3110308
hsa-miR-4436a	0.0344934	0.0277778	NA	−0.318088	0.4293152
hsa-miR-4436b-3p	0.0150463	0.0277778	NA	−0.366916	0.5164029
hsa-miR-4436b-5p	0.0490593	0.0555556	NA	0.0151125	0.1684598
hsa-miR-4437	−0.006366	0	−0.328536	−2.053714	0.5403887
hsa-miR-4438	−0.023148	−0.055556	0.0789442	−2.681334	0.3775591
hsa-miR-4440	−0.044112	−0.138889	0.7931187	−3.575897	−0.025985
hsa-miR-4443	−0.020679	−0.023058	0.1757935	−2.155591	0.5060154
hsa-miR-4444	0.0130208	0.0277778	NA	−0.386383	0.2599679
hsa-miR-4445	0.0298637	0.0277778	NA	−0.286232	0.4122629
hsa-miR-4445*	−0.113241	−0.083333	NA	−5.324624	0.3497813
hsa-miR-4446-5p	−0.034722	−0.083333	NA	−3.359804	0.4052918
hsa-miR-4447	0.0089024	−0.027778	0.5664498	−2.344074	0.3061761
hsa-miR-4448	−0.397088	−0.716759	−0.072575	−0.475198	−0.523331
hsa-miR-4449	0.0590504	0.0555556	NA	0.0284766	0.1684598

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-4450	−0.072917	−0.166667	NA	−4.230455	0.4033369
hsa-miR-4451	0.0365623	0.0555556	0.0005537	−1.427164	0.5846286
hsa-miR-4453	−0.071345	−0.083333	NA	−3.628066	0.3918373
hsa-miR-4454	0.5299787	0.3657071	0.6072522	0.3116171	0.4903995
hsa-miR-4455	0.0204805	0.0718045	−0.222079	−2.453953	0.4602286
hsa-miR-4456	0.0319384	0.0277778	NA	−0.325031	0.5568509
hsa-miR-4457	0.0319384	0.0277778	NA	−0.325031	0.550422
hsa-miR-4458	−0.034722	−0.083333	NA	−3.359804	0.4785903
hsa-miR-4459	0.1854844	0.143609	0.351906	−0.906231	0.2567121
hsa-miR-4460	−0.023148	−0.055556	0.2265132	−2.679985	0.5523736
hsa-miR-4461	−0.135292	−0.236383	0.1107995	−2.496846	0.3077933
hsa-miR-4462	0.0298637	0.0277778	NA	−0.286232	0.2711022
hsa-miR-4463	−0.056512	−0.055556	−0.458269	−2.923885	0.0573487
hsa-miR-4465	−0.043894	−0.055556	0.3630179	−2.89747	0.4330696
hsa-miR-4466	0.0775198	0.0833333	NA	0.227464	0.1962376
hsa-miR-4467	0.0104167	0.0277778	NA	−0.385619	0.3503374
hsa-miR-4469	−0.217063	−0.421885	0.1702581	−1.101464	−0.30898
hsa-miR-4470	0.0684789	0.0555556	NA	0.0325967	0.457093
hsa-miR-4471	0.0319384	0.0277778	NA	−0.325031	0.4813751
hsa-miR-4472	−0.406228	−0.506401	−0.10198	−2.225682	−0.048767
hsa-miR-4474-3p	−0.053039	−0.055556	−0.040504	−2.902302	0.514448
hsa-miR-4474-5p	0.0437639	0	0.5008936	−1.860726	0.4035885
hsa-miR-4475	−0.043403	−0.083333	NA	−3.506723	0.3011518
hsa-miR-4476	0.0736306	0.0555556	NA	0.024092	0.5441807
hsa-miR-4477a	0.0274506	0.0277778	NA	−0.32362	0.6357069
hsa-miR-4477b	0.0315998	0.0277778	NA	−0.323107	0.7252209
hsa-miR-4478	−0.18963	−0.25	NA	−5.847233	−0.137096
hsa-miR-4479	−0.080965	−0.055556	−0.386715	−4.37487	0.0573487
hsa-miR-448	−0.067578	−0.083333	NA	−3.594299	0.3011518
hsa-miR-4480	0.0115741	0.0277778	NA	−0.38794	0.4313663
hsa-miR-4481	0.0315998	0.0277778	NA	−0.305393	0.140682
hsa-miR-4482	0.0115741	0.0277778	NA	−0.386797	0.5977814
hsa-miR-4483	0.0424969	0.0555556	NA	−0.031032	0.3895095
hsa-miR-4484	0.0616773	0.0833333	NA	0.130456	0.3660694
hsa-miR-4485	0.0326939	−0.078613	0.3255464	−1.169353	0.2083693
hsa-miR-4486	−0.116095	−0.083333	NA	−5.331477	0.0295709
hsa-miR-4487	0.0460674	0.0555556	NA	−0.022767	0.1912905
hsa-miR-4488	−0.084038	−0.12264	0.1008189	−3.614176	−0.009736
hsa-miR-4489	0.0310211	0.0277778	NA	−0.286016	0.2229339
hsa-miR-4491	−0.027364	−0.048747	0.0166327	−2.146855	0.4738974

Table S1 (*continued*)

Table S1 (*continued*)

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-4492	0.0607752	0.0833333	NA	0.1436824	0.1962376
hsa-miR-4494	−0.025463	−0.055556	−0.078752	−2.811537	0.0573487
hsa-miR-4495	−0.023148	−0.055556	0.2956404	−2.792536	0.5067061
hsa-miR-4496	−0.032986	−0.055556	−0.179863	−2.859908	0.4330696
hsa-miR-4497	0.0454774	0.0833333	NA	0.1122373	0.1962376
hsa-miR-4498	0.0362295	0.0440267	0.3096749	−1.46759	0.156931
hsa-miR-449a	0.0349198	0.0277778	0.1454832	−1.686871	0.550422
hsa-miR-449b	0.0104167	0.0277778	NA	−0.385619	0.5977814
hsa-miR-449b*	−0.0872	−0.027778	−1.095068	−3.949785	0.2947818
hsa-miR-449c	−0.117941	−0.222222	0.2799937	−3.18797	0.3249659
hsa-miR-4500	−0.039931	−0.083333	NA	−3.488777	0.4081746
hsa-miR-4502	0.0104167	0.0277778	NA	−0.385619	0.5977814
hsa-miR-4504	−0.15673	−0.138889	0.0518323	−5.210797	0.3147084
hsa-miR-4506	0.0319384	0.0277778	NA	−0.325031	0.5977814
hsa-miR-4507	0.0234375	0.0555556	NA	−0.123039	0.1684598
hsa-miR-4508	−0.039407	−0.039307	0.0581865	−2.739939	0.0735977
hsa-miR-4509	−0.038222	−0.055556	0.2389003	−2.822814	0.6418876
hsa-miR-450a	−0.178292	−0.517225	0.0109862	−0.367023	0.1001411
hsa-miR-450b-5p	−0.522318	−0.848669	−0.193395	−0.645156	−0.144101
hsa-miR-451	0.5868775	0.0734659	0.3319998	0.5072019	0.4804585
hsa-miR-4510	0.0182254	0.0110762	0.2275829	−1.307784	0.5337205
hsa-miR-4511	0.074195	0.0833333	NA	0.3056362	0.6059776
hsa-miR-4512	−0.020495	−0.055556	0.3203645	−2.792767	0.0573487
hsa-miR-4515	0.0274506	0.0277778	NA	−0.32362	0.140682
hsa-miR-4516	−0.090054	−0.027778	−1.089538	−3.954389	0.0851265
hsa-miR-4517	−0.064367	−0.178195	0.3005067	−3.332027	0.2879307
hsa-miR-4518	0.0067651	−0.027778	0.2900251	−2.278006	0.5422258
hsa-miR-451b	0.1786183	0.1551378	NA	0.930609	0.6087352
hsa-miR-452	0.0636459	−0.117699	−0.0447	−0.208554	0.2667862
hsa-miR-452*	0.0104167	0.0277778	NA	−0.385619	0.4122629
hsa-miR-4520a-3p	0.0144676	0.0277778	NA	−0.383929	0.550422
hsa-miR-4520a-5p	0.0150463	0.0277778	NA	−0.366916	0.5977814
hsa-miR-4521	0.1732645	0.159858	0.4642998	−1.088099	0.6484831
hsa-miR-4522	0.0814137	0.0833333	NA	0.2539003	0.2784894
hsa-miR-4523	0.0198952	−0.027778	0.4886345	−2.148108	0.0851265
hsa-miR-4524	0.1050534	−0.086049	0.1602281	0.190366	0.4516113
hsa-miR-4524*	−0.074333	−0.262903	0.1984862	−1.526457	0.2566181
hsa-miR-4525	0.1088211	−0.023555	0.7893166	−1.694814	0.1716006
hsa-miR-4527	0.0144676	0.0277778	NA	−0.383929	0.550422
hsa-miR-4528	−0.043403	−0.083333	NA	−3.506723	0.5245958

Table S1 *(continued)*

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-4529-3p	0.0411136	0.0277778	NA	−0.359298	0.4293152
hsa-miR-4529-5p	0.0322769	0.0277778	NA	−0.319572	0.5977814
hsa-miR-4531	0.0827886	0.0718045	0.237855	−1.190757	0.629449
hsa-miR-4532	−0.016487	−0.104302	0.3449649	−2.403745	0.0086018
hsa-miR-4534	0.0344934	0.0277778	NA	−0.318088	0.140682
hsa-miR-4535	−0.043403	−0.083333	NA	−3.506723	0.0295709
hsa-miR-4536	0.0054059	−0.055556	1.1785162	−2.61963	0.3480329
hsa-miR-4537	−0.028356	−0.055556	−0.082242	−2.815926	0.267004
hsa-miR-4538	0.0511477	0.0555556	NA	−0.084917	0.3781152
hsa-miR-4539	0.111026	0.1388889	NA	0.5825485	0.2517932
hsa-miR-454	0.1511154	−0.194649	0.1599103	0.2404923	0.3026872
hsa-miR-454*	−0.095785	−0.166667	0.3107382	−2.779801	0.2178185
hsa-miR-4540	0.0310211	0.0440267	NA	−0.383091	0.4771414
hsa-miR-455-3p	0.3312001	−0.043172	0.2327884	0.3933114	0.5489562
hsa-miR-455-5p	0.0576105	−0.41982	0.0454911	0.009707	0.1373673
hsa-miR-4632	−0.076389	−0.166667	NA	−4.244403	−0.053762
hsa-miR-4633-5p	0.0115741	0.0277778	NA	−0.386914	0.5029484
hsa-miR-4634	−0.059682	−0.299378	0.1762643	−1.005283	−0.174272
hsa-miR-4635	−0.14507	−0.138889	−0.660648	−5.205678	0.4259472
hsa-miR-4636	0.0592414	0.0718045	0.3292885	−1.277901	0.4562897
hsa-miR-4638-3p	−0.078748	−0.067084	−0.090732	−2.931304	0.0458199
hsa-miR-4638-5p	0.0104167	0.0277778	NA	−0.385619	0.2229339
hsa-miR-4639-3p	−0.043403	−0.083333	NA	−3.531009	0.4866703
hsa-miR-4640-3p	0.0167824	0.0277778	NA	−0.363828	0.140682
hsa-miR-4640-5p	0.0482407	0.0440267	NA	−0.287719	0.156931
hsa-miR-4641	−0.034722	−0.083333	NA	−3.359804	0.4866703
hsa-miR-4642	0.0435124	0.0555556	NA	−0.053006	0.1684598
hsa-miR-4643	−0.031829	−0.055556	−0.32441	−2.850786	0.3980418
hsa-miR-4644	−0.083378	−0.055556	−0.370555	−4.394419	0.3993475
hsa-miR-4645-3p	0.0915145	0.0995823	0.2111451	−1.061598	0.6222266
hsa-miR-4645-5p	0.0115741	0.0277778	NA	−0.386914	0.4657355
hsa-miR-4646-3p	0.0322769	0.0277778	NA	−0.278608	0.4293152
hsa-miR-4646-5p	0.0505597	−0.017387	0.1755793	−1.76262	0.3015767
hsa-miR-4647	−0.043403	−0.083333	NA	−3.506723	0.4608426
hsa-miR-4649-3p	−0.116095	−0.083333	NA	−5.331477	0.0295709
hsa-miR-4649-5p	−0.108524	−0.166667	NA	−4.440626	−0.053762
hsa-miR-4650-5p	0.0245949	0.0555556	NA	−0.124624	0.6174792
hsa-miR-4651	−0.032986	−0.083333	NA	−3.344104	0.0295709
hsa-miR-4652-3p	−0.093853	−0.083333	0.0801329	−4.202335	0.4866703
hsa-miR-4653-3p	0.062621	0.0555556	NA	0.0660074	0.6224336

Table S1 *(continued)*

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-4653-5p	−0.1282	−0.222222	0.2797584	−4.123969	0.3477814
hsa-miR-4654	0.0115741	0.0277778	NA	−0.386914	0.3503374
hsa-miR-4655-3p	0.0260417	0.0555556	NA	−0.121878	0.1684598
hsa-miR-4655-5p	0.0115741	0.0277778	NA	−0.38794	0.140682
hsa-miR-4656	−0.058903	−0.055556	−0.658878	−2.964926	0.0573487
hsa-miR-4657	0.0185185	0.0277778	NA	−0.366171	0.5946559
hsa-miR-4658	−0.011464	−0.055556	0.6211488	−2.788408	0.4886204
hsa-miR-4659a-5p	0.0483709	0.0833333	NA	0.1286423	0.4678185
hsa-miR-4659b-3p	0.0513741	0.0555556	NA	−0.029433	0.4400407
hsa-miR-4659b-5p	0.0322769	0.0277778	NA	−0.266595	0.4657355
hsa-miR-466	−0.031829	−0.055556	−0.264856	−2.861328	0.3297738
hsa-miR-4660	−0.031829	−0.055556	−0.394505	−2.851226	0.4886204
hsa-miR-4661-3p	−0.043403	−0.083333	NA	−3.531009	0.4052918
hsa-miR-4661-5p	0.0661424	0.0833333	0.0408787	−1.124633	0.6533369
hsa-miR-4662a-3p	0.0315394	0.0555556	NA	−0.103727	0.7529987
hsa-miR-4662a-5p	−0.355722	−0.517387	0.1074692	−1.093599	−0.06379
hsa-miR-4662b	0.0845121	0.0995823	0.1478678	−1.140356	0.7075114
hsa-miR-4663	0.0411136	0.0277778	NA	−0.358876	0.382197
hsa-miR-4664-3p	0.0150463	0.0277778	NA	−0.366916	0.140682
hsa-miR-4664-5p	0.0104167	0.0277778	NA	−0.385619	0.140682
hsa-miR-4665-3p	−0.281437	−0.380444	−0.061776	−2.192534	−0.26754
hsa-miR-4665-5p	−0.028356	−0.055556	−0.299906	−2.817713	0.0573487
hsa-miR-4666-3p	0.0784597	0.1111111	NA	0.3311827	0.7870051
hsa-miR-4667-3p	−0.116095	−0.083333	NA	−5.331477	0.1118227
hsa-miR-4667-5p	−0.187911	−0.194444	−0.600189	−4.824511	0.1281152
hsa-miR-4668-3p	0.0435124	0.0555556	NA	−0.053006	0.6962369
hsa-miR-4668-5p	0.0753341	0.0277778	0.6010855	−1.453515	0.6684591
hsa-miR-4669	0.0390246	0.0555556	NA	−0.051783	0.1684598
hsa-miR-4670-3p	0.0185185	0.0277778	NA	−0.366171	0.4122629
hsa-miR-4670-5p	−0.054126	−0.055556	−0.363846	−2.940601	0.3289296
hsa-miR-4671-3p	0.0283565	0.0555556	NA	−0.100608	0.4591441
hsa-miR-4671-5p	−0.071345	−0.083333	NA	−3.628066	0.4866703
hsa-miR-4672	−0.103653	−0.055556	−1.234792	−4.506484	0.4848332
hsa-miR-4673	0.0130208	0.0277778	NA	−0.386383	0.140682
hsa-miR-4674	0.0411136	0.0277778	NA	−0.359298	0.140682
hsa-miR-4676-3p	0.0089024	−0.027778	0.4864659	−2.358133	0.5422258
hsa-miR-4676-5p	0.1219447	0.1273601	NA	0.4412563	0.5288975
hsa-miR-4677-3p	−0.295758	−0.44072	0.0229842	−1.349873	−0.056235
hsa-miR-4677-5p	−0.037714	−0.055556	0.2168515	−2.825622	0.3289296
hsa-miR-4679	0.0409045	0	0.484018	−1.887063	0.4535973

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-4680-3p	−0.239887	−0.243191	−0.140372	−4.930906	0.4327027
hsa-miR-4680-5p	−0.123067	−0.461295	−0.40849	−0.736108	−0.071896
hsa-miR-4681	−0.149081	−0.166667	NA	−5.712373	0.4033369
hsa-miR-4682	−0.072053	−0.027778	−0.692765	−3.851027	0.3967033
hsa-miR-4683	0.0026042	0	0.1183375	−1.850011	0.2433244
hsa-miR-4684-3p	0.0614636	0.0555556	NA	0.0834675	0.5441807
hsa-miR-4685-3p	−0.070313	−0.138889	−0.260958	−3.771813	−0.025985
hsa-miR-4685-5p	0.0124421	0.0277778	NA	−0.390153	0.140682
hsa-miR-4686	−0.512813	−0.584517	−0.176604	−2.545577	−0.017639
hsa-miR-4687-3p	−0.073246	−0.076525	−0.391208	−2.602086	0.0363796
hsa-miR-4687-5p	−0.027569	−0.067084	0.3489854	−3.096615	0.0458199
hsa-miR-4688	0.0130208	0.0277778	NA	−0.386383	0.140682
hsa-miR-4689	0.0240162	0.0555556	NA	−0.128016	0.1684598
hsa-miR-4690-3p	0.0397273	−0.027778	1.3198033	−2.065349	0.0851265
hsa-miR-4692	0.0706245	0.0833333	NA	0.2529339	0.6533369
hsa-miR-4693-3p	0.0260417	0.0555556	NA	−0.120527	0.56589
hsa-miR-4693-5p	0.0310211	0.0277778	NA	−0.314959	0.5381122
hsa-miR-4694-3p	−0.043403	−0.083333	NA	−3.531009	0.3497813
hsa-miR-4694-5p	0.0638767	0.0555556	NA	0.0734056	0.4400407
hsa-miR-4695-3p	−0.043562	−0.027778	−0.652337	−2.479704	0.2947818
hsa-miR-4695-5p	0.0886626	0.1111111	NA	0.4448321	0.2240154
hsa-miR-4697-3p	0.0115741	0.0277778	NA	−0.386914	0.382197
hsa-miR-4697-5p	−0.139431	−0.166667	NA	−4.531253	−0.053762
hsa-miR-4699-3p	0.0332489	0.0277778	0.2195666	−1.565731	0.4813751
hsa-miR-4700-3p	0.1653979	0.2154135	NA	0.7671475	0.4277397
hsa-miR-4700-5p	0.0315998	0.0277778	NA	−0.323107	0.5164029
hsa-miR-4701-5p	−0.04865	−0.055556	0.0051244	−2.899261	0.267004
hsa-miR-4703-3p	−0.101072	−0.138889	−0.279808	−3.853139	0.3147084
hsa-miR-4705	−0.164009	−0.159858	−0.79504	−3.574582	0.2937393
hsa-miR-4707-3p	−0.024609	−0.020969	−0.093005	−1.981027	0.0919352
hsa-miR-4707-5p	0.0849502	0.1273601	NA	0.3692811	0.2402643
hsa-miR-4709-3p	0.0488087	0.0555556	NA	−0.068602	0.5997315
hsa-miR-4709-5p	0.079305	0.1273601	NA	0.3684751	0.6500043
hsa-miR-4711-3p	0.0194357	0.0277778	NA	−0.364046	0.5977814
hsa-miR-4711-5p	−0.043403	−0.083333	NA	−3.506723	0.4608426
hsa-miR-4712-3p	0.0269097	0.0555556	NA	−0.122759	0.4591441
hsa-miR-4712-5p	−0.043403	−0.083333	NA	−3.531009	0.4393109
hsa-miR-4713-5p	0.0167824	0.0277778	NA	−0.363828	0.3503374
hsa-miR-4714-5p	0.0780985	0.0833333	NA	0.2316138	0.6059776
hsa-miR-4715-3p	0.1425047	0.1991646	NA	0.7639835	0.7433405

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-4716-5p	−0.002672	−0.055556	1.0672985	−2.807931	0.514448
hsa-miR-4717-3p	0.0185185	0.0277778	NA	−0.366171	0.2229339
hsa-miR-4718	0.0482407	0.0277778	NA	−0.364627	0.5926139
hsa-miR-4719	−0.015046	−0.027778	−0.002791	−2.382313	0.5801513
hsa-miR-4720-5p	−0.052827	−0.055556	−0.021817	−2.938989	0.3980418
hsa-miR-4721	−0.043403	−0.083333	NA	−3.506723	0.0295709
hsa-miR-4722-3p	0.0310211	0.0277778	NA	−0.314959	0.140682
hsa-miR-4722-5p	−0.071351	−0.13208	−0.156976	−2.869031	−0.019176
hsa-miR-4724-3p	0.0240162	0.0555556	NA	−0.126783	0.6203917
hsa-miR-4724-5p	0.1811591	0.2222222	NA	0.9658522	0.7726786
hsa-miR-4725-3p	0.0115741	0.0277778	NA	−0.387198	0.140682
hsa-miR-4725-5p	−0.044451	−0.138889	0.8034827	−3.589336	−0.025985
hsa-miR-4726-3p	0.0322769	0.0277778	NA	−0.319572	0.140682
hsa-miR-4726-5p	−0.000906	−0.027778	0.3763142	−2.312656	0.0851265
hsa-miR-4727-3p	−0.005945	−0.055556	0.6573219	−2.776177	0.514448
hsa-miR-4727-5p	0.0104167	0.0277778	NA	−0.385619	0.4293152
hsa-miR-4728-3p	−0.002025	−0.027778	0.3560589	−2.183653	0.0851265
hsa-miR-4728-5p	0.0115741	0.0277778	NA	−0.386797	0.140682
hsa-miR-4729	0.0745336	0.0833333	NA	0.2593489	0.5369306
hsa-miR-4730	0.0115741	0.0277778	NA	−0.38794	0.140682
hsa-miR-4732-3p	−0.055784	−0.138889	0.3567256	−3.696491	0.0562672
hsa-miR-4733-3p	0.0905406	0.1273601	NA	0.3237734	0.6159852
hsa-miR-4733-5p	0.0115741	0.0277778	NA	−0.387198	0.5164029
hsa-miR-4734	0.0124421	0.0277778	NA	−0.390153	0.140682
hsa-miR-4735-3p	−0.032986	−0.083333	NA	−3.344104	0.4789283
hsa-miR-4735-5p	−0.056004	−0.055556	−0.637195	−2.927004	0.3289296
hsa-miR-4736	−0.159498	−0.166667	NA	−5.907907	0.2055604
hsa-miR-4737	−0.018519	−0.055556	0.254245	−2.65884	0.4196151
hsa-miR-4738-3p	−0.116046	−0.083333	−0.567303	−4.226998	0.2392263
hsa-miR-4738-5p	0.0130208	0.0277778	NA	−0.386383	0.550422
hsa-miR-4739	0.0480002	0.0718045	0.062876	−1.41128	0.1847088
hsa-miR-4740-3p	−0.043403	−0.083333	NA	−3.520975	0.0295709
hsa-miR-4740-5p	−0.116095	−0.083333	NA	−5.331477	0.0295709
hsa-miR-4741	−0.076695	−0.111111	0.0624108	−3.248081	0.0017932
hsa-miR-4742-3p	0.0866328	0.0555556	NA	−0.031914	0.6224336
hsa-miR-4742-5p	−0.058177	−0.055556	−0.343131	−2.945042	0.3297738
hsa-miR-4743	−0.039931	−0.083333	NA	−3.488777	0.0295709
hsa-miR-4745-3p	0.0438509	0.0555556	NA	0.0027933	0.1684598
hsa-miR-4745-5p	0.060535	0.0833333	NA	0.2210188	0.1962376
hsa-miR-4746-3p	−0.039931	−0.083333	NA	−3.488777	0.0295709

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-4746-5p	0.0831947	0.0995823	NA	0.1920683	0.2124866
hsa-miR-4747-5p	0.0124421	0.0277778	NA	−0.390153	0.5164029
hsa-miR-4748	−0.031829	−0.055556	−0.204069	−2.859853	0.4848332
hsa-miR-4749-3p	0.0958037	0.1111111	NA	0.4915607	0.2240154
hsa-miR-4749-5p	−0.043403	−0.083333	NA	−3.531009	0.0295709
hsa-miR-4750	−0.053819	−0.111111	0.0607168	−3.27773	0.0017932
hsa-miR-4751	0.0094569	−0.027778	0.3343421	−2.346879	0.3266415
hsa-miR-4753-5p	0.0124421	0.0277778	NA	−0.390153	0.5977814
hsa-miR-4754	−0.068086	−0.083333	NA	−3.591571	0.1599911
hsa-miR-4755-3p	0.0144676	0.0277778	NA	−0.381549	0.5164029
hsa-miR-4755-5p	−0.043403	−0.083333	NA	−3.520975	0.4866703
hsa-miR-4756-5p	0.0194357	0.0277778	NA	−0.364046	0.140682
hsa-miR-4757-3p	0.0167824	0.0277778	NA	−0.363828	0.3503374
hsa-miR-4757-5p	0.0144676	0.0277778	NA	−0.381549	0.2711022
hsa-miR-4758-3p	0.0026042	0	0.0775967	−1.849191	0.1129043
hsa-miR-4758-5p	0.3672248	0.1670404	0.2789799	−0.45453	0.2802974
hsa-miR-4760-3p	−0.067578	−0.083333	NA	−3.594299	0.6141098
hsa-miR-4760-5p	0.0144676	0.0277778	NA	−0.383929	0.7252209
hsa-miR-4762-3p	0.0322769	0.0277778	NA	−0.278608	0.4122629
hsa-miR-4762-5p	−0.086806	−0.166667	NA	−4.383236	0.266448
hsa-miR-4763-3p	0.0115741	0.0277778	NA	−0.386914	0.140682
hsa-miR-4763-5p	−0.023946	0	−0.166606	−3.371949	0.1129043
hsa-miR-4764-3p	0.0534384	0.0555556	NA	−0.049208	0.5781998
hsa-miR-4766-3p	0.039098	0.0440267	NA	−0.363096	0.6062884
hsa-miR-4767	−0.118972	−0.261529	0.4873626	−3.733576	−0.148625
hsa-miR-4768-3p	0.1142693	0.1111111	NA	0.5057865	0.6811147
hsa-miR-4768-5p	−0.039931	−0.083333	NA	−3.488777	0.4393109
hsa-miR-4769-5p	0.0274506	0.0277778	NA	−0.32362	0.5269698
hsa-miR-4770	0.0696026	−0.011529	0.1290602	−1.334139	0.4782407
hsa-miR-4771	0.1219491	0.0833333	NA	0.2693732	0.4869218
hsa-miR-4772-3p	0.0130208	0.0277778	NA	−0.386383	0.5977814
hsa-miR-4772-5p	−0.071716	−0.12264	0.3480714	−3.470208	0.2618452
hsa-miR-4773	0.0414378	0.0555556	NA	−0.014526	0.6255592
hsa-miR-4774-3p	0.0115741	0.0277778	NA	−0.385569	0.4608924
hsa-miR-4775	0.1110061	0.0602757	0.1138599	−0.880259	0.7577188
hsa-miR-4776-3p	0.0629595	0.0555556	NA	0.0351982	0.4800366
hsa-miR-4777-3p	0.001825	−0.027778	0.6796226	−2.35886	0.4258195
hsa-miR-4778-5p	0.0130208	0.0277778	NA	−0.386383	0.4813751
hsa-miR-4781-3p	−0.023148	−0.055556	0.0088493	−2.681775	0.4670887
hsa-miR-4782-3p	−0.043403	−0.083333	NA	−3.531009	0.5245958

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-4782-5p	−0.116095	−0.083333	NA	−5.331477	0.5245958
hsa-miR-4783-3p	0.0696421	0.0833333	NA	0.1761045	0.1962376
hsa-miR-4783-5p	0.0124421	0.0277778	NA	−0.390153	0.140682
hsa-miR-4784	0.0115741	0.0277778	NA	−0.386797	0.5029484
hsa-miR-4785	0.0874206	−0.027778	0.8675965	−1.81364	0.0851265
hsa-miR-4786-3p	−0.067578	−0.083333	NA	−3.594299	0.0295709
hsa-miR-4786-5p	0.0220021	0.0277778	−0.005186	−1.668748	0.3503374
hsa-miR-4787-3p	0.0185185	0.0277778	NA	−0.366171	0.140682
hsa-miR-4787-5p	0.0340301	−0.094862	0.5532208	−2.089086	0.0180421
hsa-miR-4788	−0.068086	−0.083333	NA	−3.591571	0.2392263
hsa-miR-4789-3p	−0.056473	−0.111111	0.3531887	−3.248991	0.2924774
hsa-miR-4790-5p	0.0228588	0.0555556	NA	−0.126833	0.5578728
hsa-miR-4791	0.0315998	0.0277778	NA	−0.305393	0.5900394
hsa-miR-4792	−0.311649	−0.55888	−0.241871	−1.587209	−0.47006
hsa-miR-4793-3p	0.1547297	0.1829156	NA	0.8556909	0.6073967
hsa-miR-4793-5p	0.0468863	0.0555556	NA	−0.028087	0.2225887
hsa-miR-4796-3p	−0.029404	−0.094862	0.3029339	−2.958417	0.289623
hsa-miR-4796-5p	−0.013574	−0.083333	0.5466183	−2.779655	0.370264
hsa-miR-4797-3p	0.0404714	0.0555556	NA	−0.051226	0.6203917
hsa-miR-4797-5p	0.0115741	0.0277778	NA	−0.386914	0.5926139
hsa-miR-4798-3p	0.0524219	0.0833333	NA	0.1303402	0.4678185
hsa-miR-4798-5p	0.0605493	0.0555556	NA	−0.062107	0.5091529
hsa-miR-4800-3p	−0.185633	−0.333333	NA	−4.856617	−0.197598
hsa-miR-4800-5p	0.0144676	0.0277778	NA	−0.381549	0.4293152
hsa-miR-4801	0.0318779	0.0555556	NA	−0.105435	0.4400407
hsa-miR-4802-3p	0.0763075	0.1111111	NA	0.4049278	0.5660141
hsa-miR-4802-5p	0.0693365	0.0555556	0.3301979	−1.141665	0.4400407
hsa-miR-4803	0.0144676	0.0277778	NA	−0.383929	0.7036718
hsa-miR-4804-3p	0.1121174	0.0833333	NA	0.3094717	0.6481694
hsa-miR-483-3p	−0.428781	−0.775439	−0.136092	−0.612405	−0.406413
hsa-miR-483-5p	0.237497	−0.196277	0.2010019	0.1049478	0.3180541
hsa-miR-484	−0.118867	−0.5057	−0.021258	−0.097396	−0.295472
hsa-miR-485-3p	0.0441247	−0.176107	0.4203006	−1.155332	0.3134204
hsa-miR-485-5p	−0.109378	−0.220134	0.1522206	−2.554777	0.2684915
hsa-miR-486-3p	0.5496282	0.1986037	0.2846182	0.4149049	0.4301644
hsa-miR-486-5p	0.4103474	−0.06194	0.2458513	0.3714402	0.0304434
hsa-miR-487a	−0.126458	−0.282498	0.2734155	−2.168643	0.1019872
hsa-miR-487b	0.1402649	−0.19936	0.159647	0.218952	0.3232845
hsa-miR-488	0.169578	0.0602757	0.5495225	−0.8774	0.4638642
hsa-miR-488*	−0.007654	−0.055556	0.5379802	−2.696747	0.5092805

Table S1 *(continued)*

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-489	−0.086316	−0.217502	0.4085636	−2.524403	0.3525015
hsa-miR-490-3p	0.15246	−0.105307	0.190766	−0.106808	0.2173968
hsa-miR-490-5p	−0.062211	−0.111111	−0.233161	−3.320963	0.1716249
hsa-miR-491-3p	−0.024884	−0.055556	0.2747358	−2.79581	0.3289296
hsa-miR-491-5p	−0.046941	−0.150418	0.5238712	−2.594306	0.1721419
hsa-miR-493	0.1701681	−0.019973	0.4055328	0.1221143	0.4686517
hsa-miR-493*	−0.268276	−0.498099	0.0538837	−0.764855	−0.044502
hsa-miR-494	0.3763589	0.2987469	0.2536635	−0.880536	0.8213911
hsa-miR-495	0.347212	0.2237747	0.1058111	−0.256204	0.677372
hsa-miR-496	−0.031829	−0.055556	−0.172774	−2.8361	0.3289296
hsa-miR-497	−0.021257	−0.415722	0.0631056	−0.009349	0.1654603
hsa-miR-497*	−0.073645	−0.155138	0.2676485	−2.011445	0.3675064
hsa-miR-498	−0.02549	−0.027778	0.0176487	−2.391172	0.5163981
hsa-miR-499-3p	−0.071345	−0.083333	NA	−3.628066	0.4393109
hsa-miR-499-5p	−0.372477	−0.561317	0.1544204	−1.542083	0.000945
hsa-miR-499a-3p	−0.128069	−0.187636	0.0764092	−3.713896	0.2659615
hsa-miR-499a-5p	−0.067578	−0.083333	NA	−3.594299	0.3497813
hsa-miR-500a	0.0073795	−0.140525	0.2287445	−0.820081	0.4263533
hsa-miR-500a*	−0.161325	−0.524268	−0.036066	−0.13406	−0.064148
hsa-miR-500b	0.0638792	0.0833333	NA	0.1313386	0.6533369
hsa-miR-501-3p	0.2668695	−0.108837	0.1725877	0.5232124	0.3797886
hsa-miR-501-5p	0.0080166	−0.023058	0.1590557	−2.134731	0.546946
hsa-miR-502-3p	−0.345038	−0.461254	0.0871194	−0.793006	0.1087493
hsa-miR-502-5p	0.0115741	0.0277778	NA	−0.38794	0.5926139
hsa-miR-503	0.108343	−0.074843	0.4871869	−0.686113	0.3466249
hsa-miR-504	−0.121395	−0.088053	−0.263234	−3.335228	0.4005717
hsa-miR-5047	0.0150463	0.0277778	NA	−0.366916	0.5681665
hsa-miR-505	−0.184227	−0.587645	−0.051813	−0.199742	−0.038427
hsa-miR-505*	−0.118247	−0.171387	−0.09268	−2.134136	0.3986168
hsa-miR-506	0.0411136	0.0277778	NA	−0.358876	0.5926139
hsa-miR-507	0.0274506	0.0277778	NA	−0.32362	0.4313663
hsa-miR-508-3p	0.1298249	0.1551378	NA	0.5238108	0.5404672
hsa-miR-508-5p	0.0920917	0.0833333	NA	0.2155315	0.5112175
hsa-miR-509-3-5p	0.0699039	0.0555556	NA	0.0639863	0.6255592
hsa-miR-509-3p	0.048604	0.016249	0.7510356	−1.694271	0.5862526
hsa-miR-509-5p	0.0322769	0.0277778	NA	−0.319572	0.5926139
hsa-miR-5095	−0.032876	−0.111111	0.5114915	−3.094952	0.084045
hsa-miR-5096	0.1838388	0.1944444	0.4266697	−0.30531	0.7368484
hsa-miR-510	0.0721347	0.0555556	NA	0.0014605	0.6255592
hsa-miR-511	0.1388896	0.0487469	0.3225793	−0.834566	0.613583

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-512-3p	0.0150463	0.0277778	NA	–0.366916	0.5977814
hsa-miR-513a-3p	0.0124421	0.0277778	NA	–0.390153	0.5381122
hsa-miR-513a-5p	0.0268719	0.0440267	NA	–0.379674	0.6140303
hsa-miR-513b	–0.071345	–0.083333	NA	–3.628066	0.370264
hsa-miR-514	–0.071345	–0.083333	NA	–3.628066	0.3202552
hsa-miR-515-3p	–0.008102	–0.027778	0.4160154	–2.197152	0.5422258
hsa-miR-516a-3p	0.0115741	0.0277778	NA	–0.386914	0.5977814
hsa-miR-516a-5p	–0.068593	–0.083333	NA	–3.61354	0.3715697
hsa-miR-516b	0.0315998	0.0277778	NA	–0.323107	0.4122629
hsa-miR-516b*	0.0704184	0.0555556	NA	0.0115141	0.6255592
hsa-miR-517a	–0.039931	–0.083333	NA	–3.488777	0.4393109
hsa-miR-517b	–0.032986	–0.083333	NA	–3.344104	0.4393109
hsa-miR-518a-3p	0.0124421	0.0277778	NA	–0.390153	0.5164029
hsa-miR-518c	0.0115741	0.0277778	NA	–0.385569	0.4826808
hsa-miR-518d-3p	0.0004482	–0.027778	0.2107768	–2.331151	0.3737597
hsa-miR-518f*	–0.032986	–0.083333	NA	–3.344104	0.4866703
hsa-miR-519a	0.0510356	0.0555556	NA	–0.010691	0.5091529
hsa-miR-519b-5p	0.0315998	0.0277778	NA	–0.323107	0.5164029
hsa-miR-519c-3p	0.2326874	0.1043024	1.0079149	–1.28423	0.7101397
hsa-miR-520a-3p	0.0115741	0.0277778	NA	–0.38794	0.550422
hsa-miR-520a-5p	–0.034722	–0.083333	NA	–3.359804	0.4815028
hsa-miR-520b	0.0167824	0.0277778	NA	–0.363828	0.4608924
hsa-miR-520c-3p	–0.043403	–0.083333	NA	–3.520975	0.3011518
hsa-miR-520c-5p	0.0185185	0.0277778	NA	–0.366171	0.5977814
hsa-miR-520d-3p	–0.059771	–0.055556	–0.41077	–2.959885	0.4670887
hsa-miR-520d-5p	0.0473232	0.0555556	NA	–0.027169	0.6255592
hsa-miR-522	0.0115741	0.0277778	NA	–0.386914	0.4813751
hsa-miR-522*	–0.116095	–0.083333	NA	–5.331477	0.4052918
hsa-miR-523	0.0104167	0.0277778	NA	–0.385619	0.4522588
hsa-miR-523*	0.0460674	0.0555556	NA	–0.022767	0.5441807
hsa-miR-524-3p	0.0150463	0.0277778	NA	–0.366916	0.4293152
hsa-miR-524-5p	0.0460674	0.0555556	NA	0.0036082	0.5781998
hsa-miR-525-3p	–0.039931	–0.083333	NA	–3.488777	0.2392263
hsa-miR-526b	–0.039931	–0.083333	NA	–3.488777	0.4835448
hsa-miR-532-3p	–0.143004	–0.330897	0.1485676	–0.382009	–0.217993
hsa-miR-532-5p	–0.013915	–0.452953	0.0267984	–0.039106	0.0750858
hsa-miR-539	–0.069418	–0.076525	–0.167854	–2.438458	0.3079605
hsa-miR-541	–0.069729	–0.027778	–0.629185	–3.880904	0.4608474
hsa-miR-541*	0.0144676	0.0277778	NA	–0.381549	0.5749659
hsa-miR-542-3p	–0.183816	–0.534343	–0.045226	–0.231198	0.0802273

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-542-5p	0.0657411	−0.10008	0.1522451	−0.5997	0.4440958
hsa-miR-543	−0.048555	−0.143609	0.320613	−2.284821	0.3790352
hsa-miR-544	0.0595582	0.0277778	0.416003	−1.529446	0.6357069
hsa-miR-545	0.0672157	0.0277778	0.8113335	−1.386198	0.4813751
hsa-miR-545*	−0.068036	−0.138889	−0.006278	−3.039344	0.5585542
hsa-miR-548a-3p	−0.002672	−0.055556	0.9752169	−2.833165	0.3980418
hsa-miR-548a-5p	0.0115741	0.0277778	NA	−0.386914	0.6357069
hsa-miR-548aa	0.1184972	0.0602757	0.3951596	−1.094859	0.663322
hsa-miR-548ab	0.0491415	0.0718045	−0.086893	−1.28455	0.7692476
hsa-miR-548ac	−0.197228	−0.13208	NA	−5.286549	0.3215171
hsa-miR-548ae	−0.022561	−0.048747	0.1068986	−2.20722	0.6271471
hsa-miR-548ag	−0.096442	−0.138889	−0.309242	−3.820618	0.2646996
hsa-miR-548ah	0.0125556	−0.067582	0.2641979	−1.68091	0.434735
hsa-miR-548ai	0.0245949	0.0555556	NA	−0.124339	0.5091529
hsa-miR-548aj	0.0438509	0.0555556	NA	−0.04651	0.7529987
hsa-miR-548ak	−0.032986	−0.083333	NA	−3.344104	0.4789283
hsa-miR-548al	0.0194977	−0.027778	0.7749356	−2.402778	0.3567074
hsa-miR-548am	−0.217442	−0.429831	−0.028501	−0.922607	0.1780977
hsa-miR-548an	−0.012375	−0.099582	0.335876	−1.969678	0.402735
hsa-miR-548b-3p	0.1054323	0.0508354	0.2849752	−1.291054	0.4353206
hsa-miR-548b-5p	−0.089448	−0.159858	−0.006087	−2.393573	0.2937393
hsa-miR-548c-3p	−0.034973	−0.104302	0.4056465	−2.658221	0.5931407
hsa-miR-548c-5p	0.1637847	0.1388889	0.0307547	−1.172653	0.5924862
hsa-miR-548d-3p	0.0104621	−0.027778	0.6197017	−2.322449	0.4258195
hsa-miR-548d-5p	0.2115674	0.0576893	0.6401217	−0.775988	0.6656184
hsa-miR-548e	−0.184996	−0.357067	0.0189835	−1.272956	0.2508618
hsa-miR-548f	0.0671552	0.0833333	NA	0.1337136	0.7807765
hsa-miR-548g	−0.191242	−0.155636	−0.166308	−2.765477	0.5418074
hsa-miR-548h	0.0277612	−0.055556	0.2382767	−1.319206	0.3980418
hsa-miR-548i	−0.005208	0	−0.120408	−2.029342	0.4535973
hsa-miR-548j	0.0122038	−0.027778	0.1665081	−2.007953	0.4258195
hsa-miR-548k	0.1836966	−0.000507	0.0892118	−0.214483	0.4530903
hsa-miR-548l	0.0918802	0.0277778	0.8215901	−1.538992	0.4813751
hsa-miR-548m	−0.066191	−0.111111	−0.013015	−3.27446	0.4511505
hsa-miR-548n	−0.08037	−0.143609	0.2245445	−2.92283	0.5538341
hsa-miR-548o	−0.255177	−0.511931	−0.04697	−0.398904	−0.127446
hsa-miR-548p	0.0523051	0.0555556	NA	−0.086152	0.6634847
hsa-miR-548q	−0.193301	−0.318766	0.0452572	−1.502967	0.1698596
hsa-miR-548s	0.0332546	0.016249	0.109884	−1.823905	0.5265834
hsa-miR-548t	−0.063483	−0.150418	0.1909745	−1.951826	0.2531708

Table S1 *(continued)*

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-548u	−0.119968	−0.236383	0.0116027	−1.305061	0.1489467
hsa-miR-548v	0.0473232	0.0555556	NA	0.0119441	0.4400407
hsa-miR-548w	−0.185828	−0.238471	−0.127739	−3.205785	0.1468582
hsa-miR-548x	0.0167824	0.0277778	NA	−0.363828	0.7252209
hsa-miR-548y	0.0477922	0.0833333	NA	0.1285661	0.6912624
hsa-miR-548z	0.2923703	0.0896894	0.2582476	−0.242549	0.6000239
hsa-miR-549	0.0757291	0.0833333	NA	0.143979	0.516448
hsa-miR-550a	0.1649566	0.2106934	−0.00254	−0.39311	0.4540178
hsa-miR-550a*	0.1527999	0.1226399	0.1872071	−0.610815	0.6926435
hsa-miR-551a	0.0460674	0.0555556	NA	0.0036082	0.457093
hsa-miR-551b	0.2187736	0.2709691	0.2402307	−0.412369	0.8113578
hsa-miR-551b*	−0.043403	−0.083333	NA	−3.520975	0.4052918
hsa-miR-552	−0.118379	−0.083333	−0.348071	−4.233134	0.3497813
hsa-miR-553	0.0404916	−0.081245	0.0366631	−1.228471	0.5946492
hsa-miR-554	0.0322041	−0.027778	0.9176753	−2.235918	0.3737597
hsa-miR-555	0.034482	0.0555556	NA	−0.082289	0.6203917
hsa-miR-556-3p	−0.20643	−0.270969	−0.060447	−3.376634	0.426474
hsa-miR-556-5p	0.0420165	0.0555556	NA	−0.049936	0.5091529
hsa-miR-557	0.0325171	0.0277778	NA	−0.291863	0.2711022
hsa-miR-558	0.0115741	0.0277778	NA	−0.385569	0.4374283
hsa-miR-561	−0.008681	−0.027778	0.1982233	−2.214215	0.5801513
hsa-miR-562	−0.113241	−0.083333	NA	−5.324624	0.2960867
hsa-miR-563	0.0115741	0.0277778	NA	−0.386914	0.5897014
hsa-miR-564	−0.068593	−0.083333	NA	−3.61354	0.0295709
hsa-miR-566	0.0388185	0.0277778	NA	−0.358367	0.140682
hsa-miR-567	−0.032986	−0.083333	NA	−3.344104	0.3715697
hsa-miR-571	−0.032986	−0.083333	NA	−3.344104	0.4570554
hsa-miR-572	−0.039931	−0.083333	NA	−3.488777	0.0295709
hsa-miR-574-3p	0.1348706	−0.284907	0.1196514	0.1442405	−0.015228
hsa-miR-574-5p	0.2976522	−0.141617	0.1896141	0.2647072	0.4352828
hsa-miR-575	0.0115741	0.0277778	NA	−0.38794	0.1635128
hsa-miR-576-3p	−0.224535	−0.37641	0.1705224	−1.239621	0.2315195
hsa-miR-576-5p	−0.582621	−0.799647	−0.167918	−1.062704	−0.191718
hsa-miR-577	0.0150463	0.0277778	NA	−0.366916	0.7036718
hsa-miR-578	−0.002304	−0.055556	0.8707644	−2.774252	0.3775591
hsa-miR-579	−0.067534	−0.083333	0.0781477	−3.018324	0.4270011
hsa-miR-580	0.0593709	−0.150418	0.8506593	−1.970564	0.4575114
hsa-miR-581	−0.052827	−0.055556	−0.021817	−2.938989	0.3480329
hsa-miR-582-3p	0.0314077	−0.349692	0.1319544	0.0020622	0.0347929
hsa-miR-582-5p	−0.137366	−0.379406	0.055338	−0.048296	0.1309281

Table S1 *(continued)*

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-583	0.0115741	0.0277778	NA	–0.386914	0.5926139
hsa-miR-584	0.0276938	–0.166712	0.1306486	–0.778451	0.4032917
hsa-miR-586	0.0106682	0	0.1425695	–1.934881	0.6079291
hsa-miR-587	0.0124421	0.0277778	NA	–0.390153	0.4608924
hsa-miR-588	–0.043403	–0.083333	NA	–3.520975	0.4815028
hsa-miR-589	–0.319041	–0.522411	0.055852	–0.689058	–0.027521
hsa-miR-589*	–0.06488	–0.150418	–0.017197	–1.877409	0.4195859
hsa-miR-590-3p	–0.325229	–0.619958	–0.084427	–0.528876	0.0774846
hsa-miR-590-5p	–0.108683	–0.282498	0.520744	–2.700384	0.1710994
hsa-miR-591	0.0682558	0.0555556	NA	0.0462793	0.5642176
hsa-miR-592	–0.086174	–0.282	0.1935072	–1.166693	0.1715972
hsa-miR-593	–0.032986	–0.083333	NA	–3.344104	0.4521834
hsa-miR-593*	0.0482407	0.0277778	NA	–0.364627	0.1460037
hsa-miR-596	–0.056151	–0.055556	–0.615445	–2.950028	0.0573487
hsa-miR-597	–0.043403	–0.083333	NA	–3.520975	0.4866703
hsa-miR-598	–0.414224	–0.552696	–0.044157	–1.104691	–0.030051
hsa-miR-600	0.0419077	–0.094862	0.381932	–1.333304	0.4720159
hsa-miR-601	–0.011126	–0.055556	0.595105	–2.78299	0.514448
hsa-miR-602	–0.015538	0	–0.007347	–2.061053	0.1129043
hsa-miR-603	0.0398927	0.0555556	NA	–0.055187	0.4400407
hsa-miR-604	0.0526876	0.0555556	NA	–0.086881	0.4277826
hsa-miR-605	–0.059771	–0.055556	–0.471556	–2.96136	0.5113225
hsa-miR-606	0.0624904	0.0440267	0.390674	–1.412525	0.7414699
hsa-miR-607	0.0115741	0.0277778	NA	–0.386914	0.5900394
hsa-miR-611	–0.043403	–0.083333	NA	–3.506723	0.0295709
hsa-miR-612	0.034204	0.0440267	0.0416846	–1.617657	0.156931
hsa-miR-613	–0.035809	–0.055556	0.2227401	–2.803246	0.4531065
hsa-miR-614	0.0310211	0.0277778	NA	–0.314959	0.2711022
hsa-miR-615-3p	0.0772361	0.0833333	NA	0.3205605	0.1962376
hsa-miR-615-5p	–0.293627	–0.388889	–0.452769	–5.303983	–0.275985
hsa-miR-616	–0.068086	–0.083333	NA	–3.591571	0.4866703
hsa-miR-616*	–0.090946	–0.310276	0.3065722	–2.009174	0.0742094
hsa-miR-617	0.0124421	0.0277778	NA	–0.390153	0.5977814
hsa-miR-618	–0.54139	–0.707335	–0.04685	–1.401708	–0.322006
hsa-miR-621	–0.059771	–0.055556	–0.41077	–2.959885	0.3459819
hsa-miR-623	0.044042	0.0555556	NA	–0.03779	0.29888
hsa-miR-624	0.0541344	0.0555556	NA	–0.085247	0.4591441
hsa-miR-624*	0.0727871	0.0995823	0.1124669	–1.171057	0.4840674
hsa-miR-625	0.0825252	–0.109023	0.2643743	–0.744947	0.4558135
hsa-miR-625*	0.060726	–0.002586	0.7035088	–1.83386	0.5200579

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-626	0.0315998	0.0277778	NA	–0.323107	0.4657355
hsa-miR-627	0.1833388	0.2269424	NA	1.0011682	0.6114275
hsa-miR-628-3p	–0.179842	–0.215414	–0.238048	–2.904881	0.3494226
hsa-miR-628-5p	0.3376749	0.2196358	0.3670214	0.2401347	0.6732332
hsa-miR-629	0.0146674	–0.027778	0.1099096	–0.630425	0.5370583
hsa-miR-629*	0.0245252	–0.039307	0.7014656	–2.23423	0.2860729
hsa-miR-631	–0.032986	–0.083333	NA	–3.344104	0.0295709
hsa-miR-634	0.0115741	0.0277778	NA	–0.386797	0.5164029
hsa-miR-635	0.1134509	0.0555556	0.9734372	–1.07655	0.6224336
hsa-miR-636	0.0499661	0.0555556	NA	–0.068549	0.1684598
hsa-miR-637	–0.003712	–0.027778	0.3080554	–2.313777	0.0851265
hsa-miR-638	–0.092451	–0.166667	0.1261622	–3.239049	–0.053762
hsa-miR-641	–0.283819	–0.415716	–0.026406	–1.849242	–0.017397
hsa-miR-642a	–0.002315	0	–0.084402	–2.034744	0.5700036
hsa-miR-642b	–0.043403	–0.083333	NA	–3.520975	0.4052918
hsa-miR-644	0.0400354	–0.027778	0.526126	–1.889762	0.5341459
hsa-miR-646	0.0388185	0.0277778	NA	–0.358367	0.1635128
hsa-miR-648	0.0194357	0.0277778	NA	–0.364046	0.4000048
hsa-miR-649	0.0219907	0.0555556	NA	–0.124604	0.4400407
hsa-miR-650	–0.021412	–0.055556	0.3067111	–2.795019	0.0573487
hsa-miR-651	–0.364341	–0.57968	–0.128744	–1.100069	0.0282492
hsa-miR-652	–0.02398	–0.350355	0.061016	–0.025426	0.1255965
hsa-miR-653	0.0130208	0.0277778	NA	–0.386383	0.4313663
hsa-miR-654-3p	–0.283301	–0.661371	–0.096955	–0.279302	–0.138726
hsa-miR-654-5p	–0.088267	–0.115831	0.1038686	–3.516164	–0.005662
hsa-miR-655	–0.062286	0.0277778	–0.306254	–4.016529	0.7252209
hsa-miR-656	–0.356862	–0.474401	–0.188325	–1.845898	0.2014928
hsa-miR-657	0.0435124	0.0555556	NA	–0.054205	0.29888
hsa-miR-660	–0.025728	–0.47509	0.0079848	–0.050589	0.0035417
hsa-miR-661	0.0425952	0.0555556	NA	–0.01702	0.1684598
hsa-miR-662	–0.054126	–0.055556	–0.39838	–2.943193	0.0573487
hsa-miR-663	–0.17553	–0.492208	–0.034778	0.1915612	–0.375801
hsa-miR-663b	–0.010307	–0.083333	0.5025527	–2.638646	0.0295709
hsa-miR-664	0.4098761	0.0492063	0.26405	0.5302988	0.427849
hsa-miR-664*	–0.180873	–0.125226	–0.230678	–2.620702	0.2730929
hsa-miR-665	0.0018253	–0.032498	0.017333	–2.016808	0.0804063
hsa-miR-670	0.0008005	–0.055556	1.0970441	–2.789229	0.4196151
hsa-miR-671-3p	–0.21744	–0.403697	–0.1716	–1.026782	–0.290793
hsa-miR-671-5p	0.4198907	0.2872181	0.3760933	0.0108969	0.4021025
hsa-miR-675	0.2816185	0.2259919	0.4002141	–0.216551	0.3424931

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-675*	−0.291409	−0.483946	0.0658281	−0.69232	−0.187056
hsa-miR-676	−0.034596	−0.060276	0.0471544	−2.355825	0.372839
hsa-miR-676*	0.0310211	0.0277778	NA	−0.314959	0.5926139
hsa-miR-7	−0.003716	−0.093271	0.1003392	−0.749405	0.417063
hsa-miR-7-1*	−0.166581	−0.405681	0.2119617	−1.039395	−0.021196
hsa-miR-7-2*	0.0402199	0.0833333	NA	0.1089082	0.4678185
hsa-miR-708	−0.072997	−0.187636	0.1868554	−0.997949	0.3792423
hsa-miR-708*	0.2026736	0.0718045	0.6492742	−1.094181	0.5944488
hsa-miR-711	0.0115741	0.0277778	NA	−0.38794	0.140682
hsa-miR-718	0.2216605	0.25	NA	1.3732966	0.3629043
hsa-miR-720	−0.132173	−0.339282	0.0286895	−0.813243	−0.212243
hsa-miR-744	−0.137915	−0.491479	−0.012626	−0.164282	−0.364798
hsa-miR-744*	0.0672282	−0.034586	0.3735314	−1.269479	0.5354171
hsa-miR-758	−0.243058	−0.433111	0.1944309	−1.218216	0.1368928
hsa-miR-759	−0.080461	−0.076525	−0.248834	−2.608065	0.3079605
hsa-miR-760	0.0115741	0.0277778	NA	−0.386914	0.140682
hsa-miR-761	0.0298637	0.0277778	NA	−0.286232	0.5164029
hsa-miR-762	0.070976	0.0230576	0.2986419	−1.351423	0.1359619
hsa-miR-764	0.0150463	0.0277778	NA	−0.366916	0.3503374
hsa-miR-765	0.0240162	0.0555556	NA	−0.129165	0.5959443
hsa-miR-766	0.2794154	0.257992	0.2863858	−0.091314	0.3708963
hsa-miR-767-5p	0.0266204	0.0555556	NA	−0.106026	0.5997315
hsa-miR-769-3p	0.004537	0	0.0841322	−1.895607	0.2433244
hsa-miR-769-5p	0.3738542	−0.073144	0.2112903	0.3492022	0.48624
hsa-miR-770-5p	0.0231481	0.0555556	NA	−0.123522	0.29888
hsa-miR-802	0.0460674	0.0555556	NA	0.0048675	0.56589
hsa-miR-873	−0.085579	−0.222222	0.5374037	−3.112609	0.3181665
hsa-miR-874	0.431739	0.0984255	0.2775618	0.6452583	0.2928168
hsa-miR-875-3p	0.0144676	0.0277778	NA	−0.383929	0.5681665
hsa-miR-875-5p	0.0500159	0	0.6977196	−1.948302	0.4535973
hsa-miR-876-3p	−0.067708	−0.166667	NA	−4.129146	0.4412624
hsa-miR-876-5p	0.0167824	0.0277778	NA	−0.363828	0.4813751
hsa-miR-877	−0.075915	0	−1.087213	−3.542744	0.1129043
hsa-miR-877*	0.0593284	0.0995823	NA	0.0984158	0.2947384
hsa-miR-885-3p	−0.081079	−0.293574	0.1811854	−0.664497	0.0289855
hsa-miR-885-5p	−0.199129	−0.662232	−0.087758	−0.24284	−0.125991
hsa-miR-887	−0.223852	−0.408231	−0.055679	−0.738261	−0.295128
hsa-miR-888	0.0683333	0.0277778	0.9745079	−1.41963	0.4313663
hsa-miR-889	−0.257703	−0.523327	−0.112651	−0.457766	0.038935
hsa-miR-890	−0.119519	−0.222222	0.3850541	−4.023241	0.2108924

Table S1 *(continued)*

Table S1 *(continued)*

	Quantile	Median counts normalization	Total counts normalization	Trimmed mean of M-values	Conditional quantile
hsa-miR-891a	−0.032986	−0.083333	NA	−3.344104	0.4052918
hsa-miR-891b	0.0104167	0.0277778	NA	−0.385619	0.4122629
hsa-miR-892b	0.0231481	0.0555556	NA	−0.124554	0.5441807
hsa-miR-9	−0.41645	−0.609209	−0.071124	−0.875401	−0.098874
hsa-miR-9*	−0.009838	−0.027778	0.1460234	−2.201132	0.5801513
hsa-miR-920	0.0783581	0.0555556	NA	−0.028999	0.3382916
hsa-miR-921	−0.043403	−0.083333	NA	−3.520975	0.4638548
hsa-miR-924	0.0615537	0.0440267	0.1498445	−1.982271	0.5526888
hsa-miR-92a	−0.184828	−0.537864	−0.022177	−0.105892	−0.066354
hsa-miR-92a-1*	0.0566507	−0.170436	0.3496192	−0.588114	0.3737395
hsa-miR-92a-2*	−0.043403	−0.083333	NA	−3.531009	0.4866703
hsa-miR-92b	−0.280122	−0.568496	0.0248705	−0.225081	−0.54621
hsa-miR-92b*	0.0606059	0.0833333	NA	0.1591284	0.1962376
hsa-miR-93	0.0809245	−0.39061	0.0562661	0.0402088	0.1924603
hsa-miR-93*	−0.125683	−0.169298	−0.005744	−1.598872	0.1532613
hsa-miR-934	0.0643571	0.0555556	NA	0.0708	0.6255592
hsa-miR-935	0.0388185	0.0277778	NA	−0.358367	0.140682
hsa-miR-937	0.0636312	0.0718045	0.2376216	−1.373659	0.1849076
hsa-miR-938	0.0115741	0.0277778	NA	−0.386914	0.5977814
hsa-miR-939	−0.005536	0.0277778	−0.255492	−1.801485	0.140682
hsa-miR-940	0.1009969	0.0880535	0.1109636	−1.673374	0.2009577
hsa-miR-941	0.0324036	−0.320228	0.0647541	0.13078	−0.198663
hsa-miR-942	−0.059771	−0.104302	−0.344412	−2.903268	0.4183418
hsa-miR-943	−0.043403	−0.083333	NA	−3.531009	0.1118227
hsa-miR-944	0.06604	0.1551378	−0.64379	−1.685191	0.763067
hsa-miR-95	−0.213394	−0.532996	0.1132646	−0.488708	−0.079398
hsa-miR-96	0.0421941	−0.055556	0.4146525	−1.654409	0.3297738
hsa-miR-96*	−0.083818	−0.055556	−0.398628	−4.393652	0.3289296
hsa-miR-98	−0.155738	−0.588736	−0.044016	−0.159344	−0.037827
hsa-miR-99a	−0.095577	−0.56281	−0.027385	−0.133445	−0.019483
hsa-miR-99a*	0.0710616	−0.328164	0.1219119	0.0562505	0.1999456
hsa-miR-99b	0.1402771	−0.274007	0.123819	0.1576469	−0.245308
hsa-miR-99b*	0.1484039	−0.06889	0.4321855	−0.235431	0.0440146