

**Supplementary Table S1. Single nucleotide variants (SNVs) of the 25 marker custom panel in miRNA genes and in genes encoding proteins essential for the synthesis of miRNAs.**

<i>GENE</i>	ID SNV	Allelic Variation	MAF #	Chromosomal location (GH38) *
<i>DROSHA</i>	rs639174	C/T	T: 0.35	Chr.5: 31433540
<i>C5orf22</i>	rs10035440	C/T	C: 0.18	Chr.5: 31539356
<i>MIR323B</i>	rs56103835	C/T	C: 0.18	Chr.14: 101056219
<i>MIR2053</i>	rs10505168	C/T	C: 0.35	Chr.8: 112643523
<i>DROSHA</i>	rs3805500	G/A	G: 0.40	Chr.5: 31462870
<i>MIR300</i>	rs12894467	C/T	C: 0.49	Chr.14: 101041390
<i>MIR146A</i>	rs2910164	C/G	C: 0.29	Chr.5: 160485411
<i>MIR196A2</i>	rs11614913	C/T	T: 0.38	Chr.12: 53991815
<i>MIR149</i>	rs2292832	T/C	T: 0.41	Chr.2: 240456086
<i>AGO1</i>	rs636832	A/G	A: 0.12	Chr.1: 35897874
<i>MIR200A</i>	rs9660710	C/A	A: 0.07	Chr.1: 1163962
<i>KRT86</i>	rs3660	C/G	G: 0.41	Chr.12: 52286153
<i>MIR219A1</i>	rs213210	A/G	A: 0.23	Chr.6: 33208047
<i>MIR499A</i>	rs3746444	A/G	G: 0.18	Chr.20: 34990448
<i>MIR608</i>	rs4919510	C/G	G: 0.35	Chr.10: 100975021
<i>MIR605</i>	rs2043556	C/T	T: 0.27	Chr.10: 51299646
<i>EFNA1</i>	rs12904	A/G	A: 0.41	Chr.1: 155134221
<i>MIR938</i>	rs2505901	C/T	C: 0.49	Chr.10: 29602392
<i>CSK</i>	rs2168518	A/G	A: 0.24	Chr.15: 74788737
<i>MIRLET7A1</i>	rs10739971	A/G	A: 0.20	Chr.9: 94175398
<i>MIR219A1</i>	rs107822	C/T	G: 0.47	Chr.6: 33207798
<i>NSRP1</i>	rs6505162	A/C	C: 0.41	Chr.17: 30117165
<i>MIR604</i>	rs2368392	A/G	A: 0.29	Chr.10: 29545074
<i>CTDSPL</i>	rs7372209	C/T	T: 0.25	Chr.3: 37969217
<i>MIR100HG</i>	rs1834306	A/G	A: 0.38	Chr.11: 122152479

\* References to chromosomal locations were obtained from the GH38 version of the human genome obtained from the Human Genome Project; # Minor allele frequency.

**Picture Supplementary S1.** Hardy-Weinberg Equilibrium analysis of the investigated variants.

<b>Variants</b>	<b>Hardy-Weinberg equilibrium (<i>p</i>-value)</b>
rs12904	0.4378
rs636832	0.8625
rs12894467	0.2769
rs3746444	<b>0.0274*</b>
rs213210	0.4209
rs107822	0.8371
rs4919510	0.8526
rs3805500	0.0880
rs10035440	0.2212
rs1834306	0.5554
rs2292832	0.2221
rs6505162	<b>0.0005*</b>
rs2043556	<b>0.0269*</b>
rs3660	<b>&lt;0.0001*</b>
rs2168518	0.6287
rs2910164	<b>0.0238*</b>
rs2368392	<b>0.0033*</b>
rs2505901	0.9222
rs639174	0.6357
rs7372209	0.1576
rs10505168	0.1567
rs9660710	0.5329
rs10739971	<b>0.0002*</b>
rs11614913	0.2298
rs56103835	<b>0.0430*</b>

\* Genetic Variants in Hardy Weinberg Disequilibrium