

**Supplementary table 1. Different inheritance models analysis of the SNP rs895819 in miR-27a between the T2DM and NDM group.**

<b>Model</b>	<b>Genotype</b>	<b>NDM(freq)</b>	<b>T2DM(freq)</b>	<b>Odds Ratio [95%CI]</b>	<b><i>P</i></b>	<b>AIC</b>	<b>BIC</b>
Codominant	T/T	330 (0.541)	371 (0.503)	1.00	0.280	1860	1875.6
	C/T	240 (0.393)	322 (0.436)	1.19 [0.95~1.49]			
	C/C	40 (0.066)	45 (0.061)	1.00 [0.64~1.57]			
Dominant	T/T	330 (0.541)	371 (0.503)	1.00	0.160	1858.6	1869
	C/T-C/C	280 (0.459)	367 (0.497)	1.17[0.94~1.45]			
Recessive	T/T-C/T	570 (0.934)	693 (0.939)	1.00	0.730	1860.4	1870.8
	C/C	40 (0.066)	45 (0.061)	0.93[0.60~1.44]			
Overdominant	T/T-C/C	370 (0.607)	416 (0.564)	1.00	0.110	1858	1868.4
	C/T	240 (0.393)	322 (0.436)	1.19[0.96~1.48]			
Log-additive	---	---	---	1.09[0.92~1.30]	0.310	1859.5	1870

**Supplementary table 2. Different inheritance models analysis of the SNP rs11888095 in in miR-128a between the T2DM and NDM group**

<b>Model</b>	<b>Genotype</b>	<b>NDM(freq)</b>	<b>T2DM(freq)</b>	<b>Odds Ratio [95%CI]</b>	<b><i>P</i></b>	<b>AIC</b>	<b>BIC</b>
Codominant	C/C	430 (0.705)	507 (0.687)	1.00	0.570	1861.4	1877
	C/T	164 (0.269)	205 (0.278)	1.06[0.83~1.35]			
	T/T	16 (0.026)	26 (0.035)	1.38[0.73~2.60]			
Dominant	C/C	430 (0.705)	507 (0.687)	1.00	0.480	1860	1870.5
	C/T-T/T	180 (0.295)	231 (0.313)	1.09[0.86~1.37]			
Recessive	C/C-C/T	594 (0.974)	712 (0.965)	1.00	0.340	1859.6	1870.1
	T/T	16 (0.026)	26 (0.035)	1.36[0.72~2.55]			
Overdominant	C/C-T/T	446 (0.731)	533 (0.722)	1.00	0.710	1860.4	1870.8
	C/T	164 (0.269)	205 (0.278)	1.05[0.82~1.33]			
Log-additive	---	---	---	1.10[0.90~1.34]	0.360	1859.7	1870.1

**Supplementary table 3. Different inheritance models analysis of the SNP rs3820455 in miR-194a between the T2DM and NDM group**

<b>Model</b>	<b>Genotype</b>	<b>NDM</b>	<b>T2DM</b>	<b>Odds Ratio [95%CI]</b>	<b><i>P</i></b>	<b>AIC</b>	<b>BIC</b>
Codominant	T/T	496 (0.813)	569 (0.771)	1.00	0.130	1858.5	1874.2
	C/T	105 (0.172)	159 (0.215)	1.32[1.00~1.74]			
	C/C	9 (0.015)	10 (0.014)	0.97[0.39~2.40]			
Dominant	T/T	496 (0.813)	569 (0.771)	1.00	0.058	1857	1867.4
	C/T-C/C	114 (0.187)	169 (0.229)	1.29[0.99~1.69]			
Recessive	T/T-C/T	601 (0.985)	728 (0.986)	1.00	0.850	1860.5	1870.9
	C/C	9 (0.015)	10 (0.014)	0.92[0.37~2.27]			
Overdominant	T/T-C/C	505 (0.828)	579 (0.785)	1.00	0.045	1856.5	1867
	C/T	105 (0.172)	159 (0.215)	1.32[1.00~1.74]			
Log-additive	---	---	---	1.23[0.96~1.56]	0.095	1857.8	1868.2