

Supplementary material

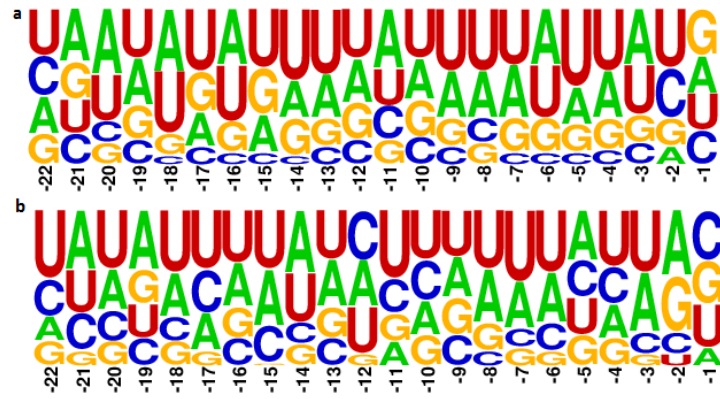


Figure S1. WebLOGO plots of nucleotide frequency in miRNA:miRNA\* vicinity on the side of the second cut. (a)regAC, (b)regBD.

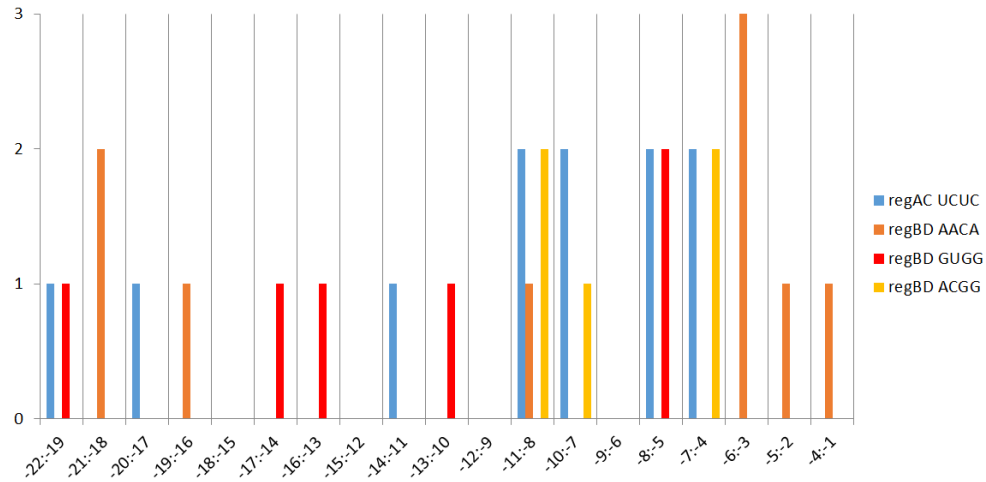


Figure S2. A number of particular sequence motifs in the first-cut regions *regAC* and *regBD*.

Table S1. Percentage of each nucleotide occurrence in the first-cut region *regAC* provided by WebLOGO.

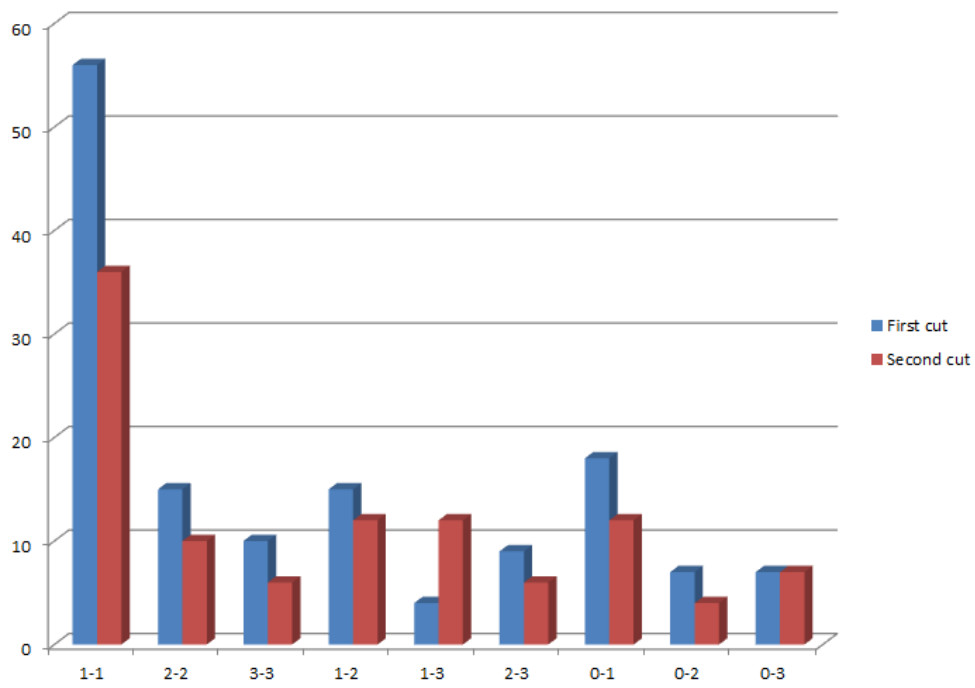
Position	A	C	G	U
-22	22	6	36	36
-21	28	16	18	38
-20	36	18	10	36
-19	30	8	22	40
-18	36	28	8	28
-17	36	6	34	24
-16	24	8	44	24
-15	26	30	20	24
-14	28	16	24	32
-13	40	20	26	14
-12	20	24	30	26
-11	18	16	20	46
-10	32	10	28	30
-9	14	18	34	34
-8	26	22	18	34
-7	16	30	26	28
-6	28	18	26	28
-5	14	26	14	46
-4	30	12	26	32
-3	20	14	36	30
-2	18	12	44	26
-1	36	14	24	26

**Table S2. Percentage of each nucleotide occurrence in the first-cut region *regBD* provided by WebLOGO.**

<b>Position</b>	<b>A</b>	<b>C</b>	<b>G</b>	<b>U</b>
<b>-22</b>	18	28	16	38
<b>-21</b>	30	12	12	46
<b>-20</b>	26	22	16	36
<b>-19</b>	28	24	16	32
<b>-18</b>	28	22	12	38
<b>-17</b>	20	26	20	34
<b>-16</b>	10	36	34	20
<b>-15</b>	16	24	20	40
<b>-14</b>	22	22	18	38
<b>-13</b>	20	28	14	38
<b>-12</b>	24	18	8	50
<b>-11</b>	26	18	26	30
<b>-10</b>	16	24	18	42
<b>-9</b>	14	30	20	36
<b>-8</b>	26	16	28	30
<b>-7</b>	26	36	14	24
<b>-6</b>	28	22	22	28
<b>-5</b>	42	8	28	22
<b>-4</b>	30	30	24	16
<b>-3</b>	26	38	2	34
<b>-2</b>	20	42	14	24
<b>-1</b>	26	34	12	28

**Table S3. Percentage of each nucleotide occurrence in random sequences provided by WebLOGO.**

<b>Position</b>	<b>A</b>	<b>C</b>	<b>G</b>	<b>U</b>
<b>-22</b>	24	26	26	24
<b>-21</b>	34	22	22	22
<b>-20</b>	32	20	30	18
<b>-19</b>	28	16	28	28
<b>-18</b>	26	24	18	32
<b>-17</b>	34	20	32	14
<b>-16</b>	24	20	32	24
<b>-15</b>	38	26	16	20
<b>-14</b>	24	38	10	28
<b>-13</b>	24	40	20	16
<b>-12</b>	22	30	22	26
<b>-11</b>	24	22	20	34
<b>-10</b>	28	32	26	14
<b>-9</b>	24	16	32	28
<b>-8</b>	18	28	30	24
<b>-7</b>	22	24	32	22
<b>-6</b>	20	24	28	28
<b>-5</b>	32	26	28	14
<b>-4</b>	16	32	26	26
<b>-3</b>	20	24	32	24
<b>-2</b>	30	28	22	20
<b>-1</b>	26	28	22	24



**Figure S3.** A number of particular secondary structure motifs (bulges and internal loops) in the first-cut (blue) and the second-cut (red) region.