

č.	ID	CTRL-poměr 1-3	ATRA-poměr 1-3	Vanill-poměr 1-3
1	hsa-miR-1_st	20	-50	-20
2	hsa-miR-100_st	-20	50	100
3	hsa-miR-100-star_st	60	30	30
4	hsa-miR-101_st	50	10	30
5	hsa-miR-101-star_st	-10	-10	-10
6	hsa-miR-103a_st	0	0	0
7	hsa-miR-103a-2-star_st	50	-40	10
8	hsa-miR-103b_st	20	-20	-20
9	hsa-miR-105_st	50	-10	0
10	hsa-miR-105-star_st	30	-60	-30
11	hsa-miR-106a_st	0	0	0
12	hsa-miR-106a-star_st	20	-40	-70
13	hsa-miR-106b_st	0	0	0
14	hsa-miR-106b-star_st	0	10	0
15	hsa-miR-107_st	0	0	0
16	hsa-miR-10a_st	-60	-30	40
17	hsa-miR-10a-star_st	30	-30	-10
18	hsa-miR-10b_st	100	10	40
19	hsa-miR-10b-star_st	0	-40	0
20	hsa-miR-1178_st	80	0	-40
21	hsa-miR-1179_st	-40	70	-30
22	hsa-miR-1180_st	0	10	0
23	hsa-miR-1181_st	50	-50	10
24	hsa-miR-1182_st	-20	-30	10
25	hsa-miR-1183_st	20	10	0
26	hsa-miR-1184_st	-30	-20	40
27	hsa-miR-1185_st	40	-30	100
28	hsa-miR-1193_st	-20	-10	40
29	hsa-miR-1197_st	-80	-10	-50
30	hsa-miR-1200_st	70	-10	-20
31	hsa-miR-1202_st	-40	-10	-20
32	hsa-miR-1203_st	-20	-20	20
33	hsa-miR-1204_st	10	-20	100
34	hsa-miR-1205_st	-60	-70	50
35	hsa-miR-1206_st	-20	50	-10
36	hsa-miR-1207-3p_st	-50	30	40
37	hsa-miR-1207-5p_st	0	10	0
38	hsa-miR-1208_st	0	0	-50
39	hsa-miR-122_st	0	0	0
40	hsa-miR-122-star_st	-60	-30	100
41	hsa-miR-1224-3p_st	0	-40	80
42	hsa-miR-1224-5p_st	0	-10	-20
43	hsa-miR-1225-3p_st	-60	20	100
44	hsa-miR-1225-5p_st	-40	-60	-20
45	hsa-miR-1226_st	0	10	0
46	hsa-miR-1226-star_st	-40	30	0
47	hsa-miR-1227_st	40	-50	0
48	hsa-miR-1228_st	0	-20	0
49	hsa-miR-1228-star_st	-10	0	-10

50	hsa-miR-1229_st	30	-40	-20
51	hsa-miR-1231_st	-20	-10	-10
52	hsa-miR-1233_st	0	-50	50
53	hsa-miR-1234_st	20	-50	30
54	hsa-miR-1236_st	-30	90	-20
55	hsa-miR-1237_st	100	-30	-50
56	hsa-miR-1238_st	-60	-60	100
57	hsa-miR-124_st	-30	30	0
58	hsa-miR-124-star_st	-20	-10	100
59	hsa-miR-1243_st	-40	10	-30
60	hsa-miR-1244_st	-10	10	0
61	hsa-miR-1245_st	-40	30	40
62	hsa-miR-1245b-3p_st	-20	50	90
63	hsa-miR-1245b-5p_st	-40	80	70
64	hsa-miR-1246_st	10	-10	-10
65	hsa-miR-1247_st	-40	-40	0
66	hsa-miR-1248_st	10	80	20
67	hsa-miR-1249_st	-30	-30	100
68	hsa-miR-1250_st	-40	20	20
69	hsa-miR-1251_st	-50	80	-70
70	hsa-miR-1252_st	10	0	60
71	hsa-miR-1253_st	20	-40	0
72	hsa-miR-1254_st	10	-10	10
73	hsa-miR-1255a_st	-20	80	-10
74	hsa-miR-1255b_st	-20	-20	100
75	hsa-miR-1256_st	40	60	70
76	hsa-miR-1257_st	0	20	20
77	hsa-miR-1258_st	-30	0	30
78	hsa-miR-125a-3p_st	0	10	20
79	hsa-miR-125a-5p_st	0	0	0
80	hsa-miR-125b_st	0	0	-20
81	hsa-miR-125b-1-star_st	0	-10	100
82	hsa-miR-125b-2-star_st	-30	-80	40
83	hsa-miR-126_st	30	-30	-20
84	hsa-miR-126-star_st	100	30	20
85	hsa-miR-1260_st	-10	-10	-10
86	hsa-miR-1260b_st	-10	-10	-10
87	hsa-miR-1261_st	-30	-60	10
88	hsa-miR-1262_st	0	40	-20
89	hsa-miR-1263_st	70	-60	30
90	hsa-miR-1264_st	-10	-50	-30
91	hsa-miR-1265_st	-40	-30	-80
92	hsa-miR-1266_st	80	40	0
93	hsa-miR-1267_st	-50	0	20
94	hsa-miR-1268_st	0	10	0
95	hsa-miR-1268b_st	0	10	0
96	hsa-miR-1269_st	0	10	10
97	hsa-miR-1269b_st	0	10	0
98	hsa-miR-127-3p_st	-70	10	-10
99	hsa-miR-127-5p_st	50	30	10

100	hsa-miR-1270_st	-80	60	-30
101	hsa-miR-1271_st	10	-40	20
102	hsa-miR-1272_st	60	-40	-10
103	hsa-miR-1273_st	100	10	0
104	hsa-miR-1273c_st	10	10	-10
105	hsa-miR-1273d_st	20	-10	-20
106	hsa-miR-1273e_st	10	-20	-10
107	hsa-miR-1273f_st	40	-70	-20
108	hsa-miR-1273g_st	-60	-30	-10
109	hsa-miR-1275_st	0	10	0
110	hsa-miR-1276_st	-10	-50	-30
111	hsa-miR-1277_st	-10	-20	-30
112	hsa-miR-1278_st	40	-40	-40
113	hsa-miR-1279_st	100	100	50
114	hsa-miR-128_st	10	0	0
115	hsa-miR-1280_st	-10	-20	-10
116	hsa-miR-1281_st	0	0	0
117	hsa-miR-1282_st	30	0	10
118	hsa-miR-1283_st	-60	0	-50
119	hsa-miR-1284_st	-10	-50	20
120	hsa-miR-1285_st	0	0	0
121	hsa-miR-1286_st	-20	-40	-30
122	hsa-miR-1287_st	-70	80	70
123	hsa-miR-1288_st	10	20	-10
124	hsa-miR-1289_st	20	20	0
125	hsa-miR-129-3p_st	10	-10	20
126	hsa-miR-129-5p_st	100	-30	-20
127	hsa-miR-129-star_st	-40	30	70
128	hsa-miR-1290_st	90	-50	-60
129	hsa-miR-1291_st	-40	100	20
130	hsa-miR-1292_st	0	10	0
131	hsa-miR-1293_st	30	-20	-50
132	hsa-miR-1294_st	100	-70	80
133	hsa-miR-1295_st	-50	100	-40
134	hsa-miR-1296_st	0	0	0
135	hsa-miR-1297_st	-20	70	-30
136	hsa-miR-1298_st	-20	70	10
137	hsa-miR-1299_st	20	-50	-20
138	hsa-miR-1301_st	0	10	0
139	hsa-miR-1302_st	-30	0	40
140	hsa-miR-1303_st	10	10	10
141	hsa-miR-1304_st	10	0	-30
142	hsa-miR-1305_st	10	-10	0
143	hsa-miR-1306_st	50	-10	10
144	hsa-miR-1307_st	0	10	0
145	hsa-miR-130a_st	10	0	0
146	hsa-miR-130a-star_st	0	70	40
147	hsa-miR-130b_st	0	0	0
148	hsa-miR-130b-star_st	50	10	40
149	hsa-miR-132_st	0	0	0

150	hsa-miR-132-star_st	-30	60	30
151	hsa-miR-1321_st	40	100	-50
152	hsa-miR-1322_st	20	-70	-50
153	hsa-miR-1323_st	100	30	0
154	hsa-miR-1324_st	-20	0	60
155	hsa-miR-133a_st	70	0	-50
156	hsa-miR-133b_st	10	-60	80
157	hsa-miR-134_st	30	0	10
158	hsa-miR-1343_st	-40	-50	-30
159	hsa-miR-135a_st	30	100	-30
160	hsa-miR-135a-star_st	-50	-30	-20
161	hsa-miR-135b_st	-60	-20	0
162	hsa-miR-135b-star_st	10	20	30
163	hsa-miR-136_st	0	100	-60
164	hsa-miR-136-star_st	-80	0	-50
165	hsa-miR-137_st	100	30	0
166	hsa-miR-138_st	-30	-70	0
167	hsa-miR-138-1-star_st	10	20	10
168	hsa-miR-138-2-star_st	50	-50	0
169	hsa-miR-139-3p_st	-40	100	100
170	hsa-miR-139-5p_st	-20	100	30
171	hsa-miR-140-3p_st	0	0	0
172	hsa-miR-140-5p_st	0	-10	0
173	hsa-miR-141_st	100	-20	100
174	hsa-miR-141-star_st	80	10	-20
175	hsa-miR-142-3p_st	-10	60	30
176	hsa-miR-142-5p_st	70	-20	0
177	hsa-miR-143_st	0	0	0
178	hsa-miR-143-star_st	20	-20	-50
179	hsa-miR-144_st	40	-10	100
180	hsa-miR-144-star_st	70	0	-20
181	hsa-miR-145_st	0	0	0
182	hsa-miR-145-star_st	40	-50	-60
183	hsa-miR-1468_st	-30	80	100
184	hsa-miR-1469_st	-10	-10	-10
185	hsa-miR-146a_st	0	-10	0
186	hsa-miR-146a-star_st	0	100	20
187	hsa-miR-146b-3p_st	-10	-40	20
188	hsa-miR-146b-5p_st	10	0	0
189	hsa-miR-147_st	30	-10	90
190	hsa-miR-1470_st	-10	10	0
191	hsa-miR-1471_st	-20	-30	-10
192	hsa-miR-147b_st	-50	0	-30
193	hsa-miR-148a_st	0	0	0
194	hsa-miR-148a-star_st	10	0	30
195	hsa-miR-148b_st	10	0	0
196	hsa-miR-148b-star_st	60	-40	-10
197	hsa-miR-149_st	0	10	0
198	hsa-miR-149-star_st	-10	-10	-10
199	hsa-miR-150_st	0	50	-40

200	hsa-miR-150-star_st	-10	0	-40
201	hsa-miR-151-3p_st	0	0	0
202	hsa-miR-151-5p_st	0	0	0
203	hsa-miR-151b_st	0	0	0
204	hsa-miR-152_st	-10	0	0
205	hsa-miR-153_st	-20	0	80
206	hsa-miR-1537_st	-20	0	-20
207	hsa-miR-1538_st	20	100	-10
208	hsa-miR-1539_st	0	30	-30
209	hsa-miR-154_st	-10	80	100
210	hsa-miR-154-star_st	-10	10	-30
211	hsa-miR-155_st	-20	0	10
212	hsa-miR-155-star_st	40	-30	-10
213	hsa-miR-1587_st	-10	-10	-20
214	hsa-miR-15a_st	0	-10	0
215	hsa-miR-15a-star_st	20	-60	-20
216	hsa-miR-15b_st	0	0	0
217	hsa-miR-15b-star_st	100	-40	0
218	hsa-miR-16_st	0	0	0
219	hsa-miR-16-1-star_st	-60	10	20
220	hsa-miR-16-2-star_st	30	0	100
221	hsa-miR-17_st	0	0	0
222	hsa-miR-17-star_st	0	0	0
223	hsa-miR-181a_st	-10	-10	-10
224	hsa-miR-181a-2-star_st	-20	-40	-40
225	hsa-miR-181a-star_st	10	0	-50
226	hsa-miR-181b_st	-10	0	-10
227	hsa-miR-181c_st	0	-20	-50
228	hsa-miR-181c-star_st	30	-20	-50
229	hsa-miR-181d_st	0	0	-10
230	hsa-miR-182_st	0	0	0
231	hsa-miR-182-star_st	100	30	-30
232	hsa-miR-1825_st	20	-30	60
233	hsa-miR-1827_st	40	10	-50
234	hsa-miR-183_st	0	0	0
235	hsa-miR-183-star_st	0	-10	-10
236	hsa-miR-184_st	10	100	0
237	hsa-miR-185_st	0	0	0
238	hsa-miR-185-star_st	-30	-50	0
239	hsa-miR-186_st	0	-50	100
240	hsa-miR-186-star_st	-50	-20	100
241	hsa-miR-187_st	0	70	70
242	hsa-miR-187-star_st	-10	-30	10
243	hsa-miR-188-3p_st	10	0	-20
244	hsa-miR-188-5p_st	0	0	0
245	hsa-miR-18a_st	0	0	0
246	hsa-miR-18a-star_st	10	10	0
247	hsa-miR-18b_st	10	0	10
248	hsa-miR-18b-star_st	-10	0	10
249	hsa-miR-190_st	40	40	70

250	hsa-miR-1908_st	-10	-10	-10
251	hsa-miR-1909_st	-20	-10	-10
252	hsa-miR-1909-star_st	-10	-10	-10
253	hsa-miR-190b_st	-70	-10	-10
254	hsa-miR-191_st	0	0	0
255	hsa-miR-191-star_st	0	0	20
256	hsa-miR-1910_st	-10	0	-20
257	hsa-miR-1911_st	100	-40	-10
258	hsa-miR-1911-star_st	100	-70	0
259	hsa-miR-1912_st	100	-10	50
260	hsa-miR-1913_st	-30	-60	-10
261	hsa-miR-1914_st	-40	-50	0
262	hsa-miR-1914-star_st	-30	-10	0
263	hsa-miR-1915_st	-10	-10	-10
264	hsa-miR-1915-star_st	-20	10	-10
265	hsa-miR-192_st	0	0	0
266	hsa-miR-192-star_st	0	0	0
267	hsa-miR-193a-3p_st	50	-70	-60
268	hsa-miR-193a-5p_st	-10	-20	-10
269	hsa-miR-193b_st	-10	0	0
270	hsa-miR-193b-star_st	0	10	0
271	hsa-miR-194_st	0	0	0
272	hsa-miR-194-star_st	0	10	0
273	hsa-miR-195_st	-20	-10	0
274	hsa-miR-195-star_st	-10	50	-50
275	hsa-miR-196a_st	0	-20	20
276	hsa-miR-196a-star_st	0	60	30
277	hsa-miR-196b_st	20	-10	0
278	hsa-miR-196b-star_st	-20	-50	70
279	hsa-miR-197_st	10	10	0
280	hsa-miR-1972_st	20	20	10
281	hsa-miR-1973_st	-10	0	-10
282	hsa-miR-1976_st	-10	90	20
283	hsa-miR-198_st	90	10	100
284	hsa-miR-199a-3p_st	80	-30	10
285	hsa-miR-199a-5p_st	-40	50	40
286	hsa-miR-199b-3p_st	40	-50	0
287	hsa-miR-199b-5p_st	-40	-20	-40
288	hsa-miR-19a_st	10	0	10
289	hsa-miR-19a-star_st	-60	30	-20
290	hsa-miR-19b_st	0	0	0
291	hsa-miR-19b-1-star_st	40	-50	100
292	hsa-miR-19b-2-star_st	100	100	40
293	hsa-miR-200a_st	0	-10	0
294	hsa-miR-200a-star_st	-10	10	0
295	hsa-miR-200b_st	10	0	0
296	hsa-miR-200b-star_st	0	0	0
297	hsa-miR-200c_st	0	0	0
298	hsa-miR-200c-star_st	-10	-20	20
299	hsa-miR-202_st	30	-20	-20

300	hsa-miR-202-star_st	100	10	10
301	hsa-miR-203_st	10	-30	-20
302	hsa-miR-204_st	100	10	-30
303	hsa-miR-205_st	40	-10	-20
304	hsa-miR-205-star_st	30	-20	60
305	hsa-miR-2052_st	100	60	0
306	hsa-miR-2053_st	-30	100	60
307	hsa-miR-2054_st	60	100	10
308	hsa-miR-206_st	60	-40	-30
309	hsa-miR-208a_st	-20	30	-10
310	hsa-miR-208b_st	50	50	-40
311	hsa-miR-20a_st	0	0	0
312	hsa-miR-20a-star_st	10	-90	-40
313	hsa-miR-20b_st	0	0	0
314	hsa-miR-20b-star_st	100	40	-40
315	hsa-miR-21_st	0	0	10
316	hsa-miR-21-star_st	-10	-10	0
317	hsa-miR-210_st	-10	0	-10
318	hsa-miR-211_st	0	10	100
319	hsa-miR-2110_st	-10	10	0
320	hsa-miR-2113_st	-10	0	10
321	hsa-miR-2114_st	-80	-30	40
322	hsa-miR-2114-star_st	-20	50	-30
323	hsa-miR-2115_st	0	-10	100
324	hsa-miR-2115-star_st	50	-30	-30
325	hsa-miR-2116_st	100	100	30
326	hsa-miR-2116-star_st	0	-20	30
327	hsa-miR-2117_st	0	-10	-30
328	hsa-miR-212_st	-40	-10	-40
329	hsa-miR-214_st	70	-30	30
330	hsa-miR-214-star_st	100	10	100
331	hsa-miR-215_st	20	10	10
332	hsa-miR-216a_st	30	20	-20
333	hsa-miR-216b_st	70	-10	100
334	hsa-miR-217_st	100	20	-20
335	hsa-miR-218_st	-30	-20	-20
336	hsa-miR-218-1-star_st	100	100	10
337	hsa-miR-218-2-star_st	-40	70	-50
338	hsa-miR-219-1-3p_st	-70	-30	50
339	hsa-miR-219-2-3p_st	50	-40	80
340	hsa-miR-219-5p_st	20	100	0
341	hsa-miR-22_st	0	0	0
342	hsa-miR-22-star_st	-10	0	-10
343	hsa-miR-221_st	0	0	0
344	hsa-miR-221-star_st	100	-80	50
345	hsa-miR-222_st	0	0	0
346	hsa-miR-222-star_st	100	40	-10
347	hsa-miR-223_st	30	20	-50
348	hsa-miR-223-star_st	100	100	20
349	hsa-miR-224_st	10	0	0

350	hsa-miR-224-star_st	0	10	10
351	hsa-miR-2276_st	20	20	0
352	hsa-miR-2277-3p_st	-30	-30	-20
353	hsa-miR-2277-5p_st	-40	10	50
354	hsa-miR-2278_st	70	0	40
355	hsa-miR-2355-3p_st	100	70	-30
356	hsa-miR-2355-5p_st	-10	60	30
357	hsa-miR-2392_st	10	10	-10
358	hsa-miR-23a_st	0	0	0
359	hsa-miR-23a-star_st	30	-10	-20
360	hsa-miR-23b_st	0	0	0
361	hsa-miR-23b-star_st	0	0	10
362	hsa-miR-23c_st	-10	-10	0
363	hsa-miR-24_st	0	0	0
364	hsa-miR-24-1-star_st	-60	50	-20
365	hsa-miR-24-2-star_st	-10	-70	-40
366	hsa-miR-2467-3p_st	-20	-40	0
367	hsa-miR-2467-5p_st	0	-80	-20
368	hsa-miR-25_st	0	0	0
369	hsa-miR-25-star_st	10	10	10
370	hsa-miR-2681_st	10	60	-10
371	hsa-miR-2681-star_st	60	40	0
372	hsa-miR-2682_st	50	-20	0
373	hsa-miR-2682-star_st	-20	40	90
374	hsa-miR-26a_st	0	0	0
375	hsa-miR-26a-1-star_st	-10	-10	30
376	hsa-miR-26a-2-star_st	0	10	60
377	hsa-miR-26b_st	0	0	20
378	hsa-miR-26b-star_st	100	-80	-10
379	hsa-miR-27a_st	0	-10	0
380	hsa-miR-27a-star_st	0	-30	-20
381	hsa-miR-27b_st	0	0	0
382	hsa-miR-27b-star_st	-10	0	0
383	hsa-miR-28-3p_st	0	0	0
384	hsa-miR-28-5p_st	0	0	0
385	hsa-miR-2861_st	-10	0	-10
386	hsa-miR-2909_st	-30	-60	-40
387	hsa-miR-296-3p_st	20	20	0
388	hsa-miR-296-5p_st	-40	10	0
389	hsa-miR-2964a-3p_st	50	0	30
390	hsa-miR-2964a-5p_st	20	-30	-30
391	hsa-miR-297_st	10	-50	-70
392	hsa-miR-298_st	-40	0	50
393	hsa-miR-299-3p_st	-40	0	-40
394	hsa-miR-299-5p_st	-60	80	-10
395	hsa-miR-29a_st	0	0	0
396	hsa-miR-29a-star_st	20	-50	-20
397	hsa-miR-29b_st	-10	-20	0
398	hsa-miR-29b-1-star_st	10	-10	0
399	hsa-miR-29b-2-star_st	0	-10	0

400	hsa-miR-29c_st	10	-20	0
401	hsa-miR-29c-star_st	-40	-40	-50
402	hsa-miR-300_st	20	-40	10
403	hsa-miR-301a_st	0	-10	0
404	hsa-miR-301b_st	-60	-50	80
405	hsa-miR-302a_st	-10	80	20
406	hsa-miR-302a-star_st	-40	-40	-30
407	hsa-miR-302b_st	-70	0	-40
408	hsa-miR-302b-star_st	-20	-90	30
409	hsa-miR-302c_st	50	-20	-10
410	hsa-miR-302c-star_st	-80	-10	70
411	hsa-miR-302d_st	-20	30	100
412	hsa-miR-302d-star_st	40	50	0
413	hsa-miR-302e_st	40	10	80
414	hsa-miR-302f_st	-60	-70	-30
415	hsa-miR-3064-3p_st	-60	-50	0
416	hsa-miR-3064-5p_st	-40	10	60
417	hsa-miR-3065-3p_st	-10	20	100
418	hsa-miR-3065-5p_st	10	-20	100
419	hsa-miR-3074-3p_st	30	-20	20
420	hsa-miR-3074-5p_st	10	-40	30
421	hsa-miR-30a_st	-10	-10	0
422	hsa-miR-30a-star_st	-10	-30	-10
423	hsa-miR-30b_st	0	0	0
424	hsa-miR-30b-star_st	0	0	10
425	hsa-miR-30c_st	0	0	0
426	hsa-miR-30c-1-star_st	10	10	100
427	hsa-miR-30c-2-star_st	100	-20	20
428	hsa-miR-30d_st	0	0	0
429	hsa-miR-30d-star_st	-60	-20	-60
430	hsa-miR-30e_st	0	-10	0
431	hsa-miR-30e-star_st	50	-20	10
432	hsa-miR-31_st	100	-40	100
433	hsa-miR-31-star_st	50	100	90
434	hsa-miR-3115_st	20	-20	-40
435	hsa-miR-3116_st	-20	50	30
436	hsa-miR-3117-3p_st	-20	100	-30
437	hsa-miR-3117-5p_st	40	10	100
438	hsa-miR-3118_st	-40	100	-30
439	hsa-miR-3119_st	-20	100	10
440	hsa-miR-3120-3p_st	90	-30	-50
441	hsa-miR-3120-5p_st	90	0	-40
442	hsa-miR-3121-3p_st	100	-30	60
443	hsa-miR-3121-5p_st	10	-40	-40
444	hsa-miR-3122_st	70	0	10
445	hsa-miR-3123_st	-30	30	80
446	hsa-miR-3124-3p_st	-20	10	-30
447	hsa-miR-3124-5p_st	0	-20	-10
448	hsa-miR-3125_st	100	60	-70
449	hsa-miR-3126-3p_st	60	-60	-50

450 hsa-miR-3126-5p_st	90	0	-10
451 hsa-miR-3127-3p_st	-50	10	80
452 hsa-miR-3127-5p_st	-30	-40	50
453 hsa-miR-3128_st	100	-30	100
454 hsa-miR-3129-3p_st	10	-50	20
455 hsa-miR-3129-5p_st	20	-10	-20
456 hsa-miR-3130-3p_st	30	-10	40
457 hsa-miR-3130-5p_st	0	0	-10
458 hsa-miR-3131_st	20	-10	0
459 hsa-miR-3132_st	-20	-70	-40
460 hsa-miR-3133_st	100	-30	-50
461 hsa-miR-3134_st	-20	60	-20
462 hsa-miR-3135_st	-30	-40	-70
463 hsa-miR-3135b_st	-10	-10	-10
464 hsa-miR-3136-3p_st	0	30	-70
465 hsa-miR-3136-5p_st	-10	30	10
466 hsa-miR-3137_st	0	0	-20
467 hsa-miR-3138_st	10	-70	10
468 hsa-miR-3139_st	-40	80	20
469 hsa-miR-3140-3p_st	30	50	100
470 hsa-miR-3140-5p_st	20	10	-30
471 hsa-miR-3141_st	10	10	0
472 hsa-miR-3142_st	-70	10	100
473 hsa-miR-3143_st	10	30	-50
474 hsa-miR-3144-3p_st	-80	-10	-20
475 hsa-miR-3144-5p_st	10	10	20
476 hsa-miR-3145-3p_st	10	30	90
477 hsa-miR-3145-5p_st	0	20	-10
478 hsa-miR-3146_st	-30	-20	-10
479 hsa-miR-3147_st	40	0	30
480 hsa-miR-3148_st	-20	-60	-30
481 hsa-miR-3149_st	30	-10	-20
482 hsa-miR-3150a-3p_st	0	10	100
483 hsa-miR-3150a-5p_st	10	-60	0
484 hsa-miR-3150b-3p_st	40	10	0
485 hsa-miR-3150b-5p_st	-20	-70	30
486 hsa-miR-3151_st	80	-60	-10
487 hsa-miR-3152-3p_st	90	-30	20
488 hsa-miR-3152-5p_st	-40	10	10
489 hsa-miR-3153_st	10	-20	-20
490 hsa-miR-3154_st	30	20	-10
491 hsa-miR-3155_st	-50	-30	10
492 hsa-miR-3155b_st	-20	-40	20
493 hsa-miR-3156-3p_st	-40	-30	80
494 hsa-miR-3156-5p_st	-10	20	10
495 hsa-miR-3157-3p_st	40	-80	100
496 hsa-miR-3157-5p_st	-20	10	0
497 hsa-miR-3158-3p_st	-30	-60	50
498 hsa-miR-3158-5p_st	-30	-40	-70
499 hsa-miR-3159_st	-10	100	40

500 hsa-miR-3160-3p_st	100	20	-50
501 hsa-miR-3160-5p_st	10	-10	-60
502 hsa-miR-3161_st	30	-10	-40
503 hsa-miR-3162-3p_st	-40	-40	40
504 hsa-miR-3162-5p_st	10	10	0
505 hsa-miR-3163_st	80	-40	90
506 hsa-miR-3164_st	-30	70	-30
507 hsa-miR-3165_st	-30	100	-30
508 hsa-miR-3166_st	80	-80	80
509 hsa-miR-3167_st	-70	-30	-40
510 hsa-miR-3168_st	60	-90	-40
511 hsa-miR-3169_st	40	10	-40
512 hsa-miR-3170_st	50	-50	-40
513 hsa-miR-3171_st	-50	60	-20
514 hsa-miR-3173-3p_st	0	-30	-10
515 hsa-miR-3173-5p_st	20	-20	30
516 hsa-miR-3174_st	-10	-30	-10
517 hsa-miR-3175_st	-10	0	-20
518 hsa-miR-3176_st	10	-60	-40
519 hsa-miR-3177-3p_st	0	10	10
520 hsa-miR-3177-5p_st	-40	-20	-60
521 hsa-miR-3178_st	-10	-10	-10
522 hsa-miR-3179_st	20	50	60
523 hsa-miR-3180_st	-10	-20	0
524 hsa-miR-3180-3p_st	-10	-10	0
525 hsa-miR-3180-5p_st	20	0	-40
526 hsa-miR-3181_st	-20	-50	30
527 hsa-miR-3182_st	-40	20	40
528 hsa-miR-3183_st	-10	-60	0
529 hsa-miR-3184_st	40	-30	-10
530 hsa-miR-3185_st	-20	-10	-10
531 hsa-miR-3186-3p_st	10	-20	-30
532 hsa-miR-3186-5p_st	-20	0	20
533 hsa-miR-3187-3p_st	0	10	0
534 hsa-miR-3187-5p_st	-30	-10	-30
535 hsa-miR-3188_st	-20	-20	-50
536 hsa-miR-3189-3p_st	-10	40	-10
537 hsa-miR-3189-5p_st	-10	-40	10
538 hsa-miR-3190_st	30	-40	60
539 hsa-miR-3191_st	0	-50	-40
540 hsa-miR-3192_st	10	0	-10
541 hsa-miR-3193_st	50	10	30
542 hsa-miR-3194-3p_st	10	0	-40
543 hsa-miR-3194-5p_st	40	-40	-30
544 hsa-miR-3195_st	-10	-20	-20
545 hsa-miR-3196_st	-10	-10	-10
546 hsa-miR-3197_st	-30	-20	-10
547 hsa-miR-3198_st	40	-40	70
548 hsa-miR-3199_st	-20	-30	-60
549 hsa-miR-32_st	100	100	40

550 hsa-miR-32-star_st	-40	40	70
551 hsa-miR-3200-3p_st	30	10	-70
552 hsa-miR-3200-5p_st	-50	-40	-30
553 hsa-miR-3201_st	100	-20	100
554 hsa-miR-3202_st	10	20	0
555 hsa-miR-320a_st	0	0	0
556 hsa-miR-320b_st	0	0	0
557 hsa-miR-320c_st	0	0	0
558 hsa-miR-320d_st	0	0	0
559 hsa-miR-320e_st	0	10	0
560 hsa-miR-323-3p_st	-20	-30	10
561 hsa-miR-323-5p_st	70	0	60
562 hsa-miR-323b-3p_st	-10	20	0
563 hsa-miR-323b-5p_st	10	50	50
564 hsa-miR-324-3p_st	0	10	0
565 hsa-miR-324-5p_st	0	0	0
566 hsa-miR-325_st	-10	-20	-50
567 hsa-miR-326_st	-20	-40	10
568 hsa-miR-328_st	-40	-20	-40
569 hsa-miR-329_st	100	20	-10
570 hsa-miR-330-3p_st	0	10	0
571 hsa-miR-330-5p_st	100	70	0
572 hsa-miR-331-3p_st	0	-10	0
573 hsa-miR-331-5p_st	20	10	-10
574 hsa-miR-335_st	100	0	50
575 hsa-miR-335-star_st	-30	-30	10
576 hsa-miR-337-3p_st	100	-20	-20
577 hsa-miR-337-5p_st	-10	0	-10
578 hsa-miR-338-3p_st	30	-30	50
579 hsa-miR-338-5p_st	40	-10	-60
580 hsa-miR-339-3p_st	0	10	0
581 hsa-miR-339-5p_st	0	0	0
582 hsa-miR-33a_st	10	-20	-40
583 hsa-miR-33a-star_st	40	-50	-60
584 hsa-miR-33b_st	-20	-30	0
585 hsa-miR-33b-star_st	-10	-10	30
586 hsa-miR-340_st	-10	-70	100
587 hsa-miR-340-star_st	-20	-60	-40
588 hsa-miR-342-3p_st	0	0	0
589 hsa-miR-342-5p_st	20	-20	0
590 hsa-miR-345_st	0	10	0
591 hsa-miR-346_st	-10	0	-30
592 hsa-miR-34a_st	0	0	0
593 hsa-miR-34a-star_st	0	-10	10
594 hsa-miR-34b_st	30	10	-20
595 hsa-miR-34b-star_st	40	-40	100
596 hsa-miR-34c-3p_st	100	-40	-30
597 hsa-miR-34c-5p_st	-40	-90	-30
598 hsa-miR-3529_st	10	0	-10
599 hsa-miR-3545-3p_st	-10	-50	-20

600	hsa-miR-3545-5p_st	-10	100	100
601	hsa-miR-3591-3p_st	10	10	-40
602	hsa-miR-3591-5p_st	-50	90	90
603	hsa-miR-3605-3p_st	10	60	-20
604	hsa-miR-3605-5p_st	0	-20	-30
605	hsa-miR-3606_st	-30	30	100
606	hsa-miR-3607-3p_st	-40	100	-40
607	hsa-miR-3607-5p_st	0	10	-10
608	hsa-miR-3609_st	-10	-10	0
609	hsa-miR-361-3p_st	-20	-50	30
610	hsa-miR-361-5p_st	0	0	0
611	hsa-miR-3610_st	-30	0	-10
612	hsa-miR-3611_st	-30	40	20
613	hsa-miR-3612_st	100	-40	-10
614	hsa-miR-3613-3p_st	0	0	30
615	hsa-miR-3613-5p_st	100	-60	50
616	hsa-miR-3614-3p_st	-20	80	30
617	hsa-miR-3614-5p_st	-20	-50	10
618	hsa-miR-3615_st	0	-10	0
619	hsa-miR-3616-3p_st	100	-50	-20
620	hsa-miR-3616-5p_st	-20	80	80
621	hsa-miR-3617_st	-40	-20	-20
622	hsa-miR-3618_st	-30	-10	80
623	hsa-miR-3619-3p_st	100	-30	-40
624	hsa-miR-3619-5p_st	0	0	70
625	hsa-miR-362-3p_st	40	10	0
626	hsa-miR-362-5p_st	0	0	0
627	hsa-miR-3620_st	0	-30	-10
628	hsa-miR-3621_st	-20	-10	-10
629	hsa-miR-3622a-3p_st	-30	-60	-70
630	hsa-miR-3622a-5p_st	-30	-40	-20
631	hsa-miR-3622b-3p_st	-30	-20	-10
632	hsa-miR-3622b-5p_st	20	-40	40
633	hsa-miR-363_st	30	10	-30
634	hsa-miR-363-star_st	-30	30	-10
635	hsa-miR-3646_st	10	10	-10
636	hsa-miR-3647-3p_st	-40	10	-30
637	hsa-miR-3647-5p_st	0	30	-80
638	hsa-miR-3648_st	0	0	0
639	hsa-miR-3649_st	-30	-20	50
640	hsa-miR-365_st	60	100	10
641	hsa-miR-365-star_st	0	0	-30
642	hsa-miR-3650_st	30	20	-30
643	hsa-miR-3651_st	0	0	0
644	hsa-miR-3652_st	0	30	-10
645	hsa-miR-3653_st	100	-30	-50
646	hsa-miR-3654_st	-60	-40	30
647	hsa-miR-3655_st	-20	10	-40
648	hsa-miR-3656_st	-10	0	-10
649	hsa-miR-3657_st	50	40	-10

650 hsa-miR-3658_st	-10	10	10
651 hsa-miR-3659_st	10	-30	-10
652 hsa-miR-3660_st	90	100	30
653 hsa-miR-3661_st	-60	-30	-20
654 hsa-miR-3662_st	-20	60	10
655 hsa-miR-3663-3p_st	0	-10	0
656 hsa-miR-3663-5p_st	50	40	-50
657 hsa-miR-3664-3p_st	40	-10	-40
658 hsa-miR-3664-5p_st	20	-20	30
659 hsa-miR-3665_st	-10	-10	-10
660 hsa-miR-3666_st	10	70	10
661 hsa-miR-3667-3p_st	-10	10	-40
662 hsa-miR-3667-5p_st	70	-30	0
663 hsa-miR-3668_st	30	-30	-30
664 hsa-miR-3669_st	80	30	-50
665 hsa-miR-367_st	-20	-20	-10
666 hsa-miR-367-star_st	0	100	60
667 hsa-miR-3670_st	20	-50	30
668 hsa-miR-3671_st	-40	-60	-10
669 hsa-miR-3672_st	-40	60	20
670 hsa-miR-3673_st	30	20	-50
671 hsa-miR-3674_st	-40	-60	30
672 hsa-miR-3675-3p_st	50	30	40
673 hsa-miR-3675-5p_st	-10	50	-20
674 hsa-miR-3676_st	10	30	70
675 hsa-miR-3677-3p_st	-10	20	100
676 hsa-miR-3677-5p_st	-30	100	60
677 hsa-miR-3678-3p_st	-10	-50	30
678 hsa-miR-3678-5p_st	-60	20	-10
679 hsa-miR-3679-3p_st	30	0	-20
680 hsa-miR-3679-5p_st	10	10	0
681 hsa-miR-3680_st	100	-50	0
682 hsa-miR-3680-star_st	50	-40	100
683 hsa-miR-3681_st	-40	0	-40
684 hsa-miR-3681-star_st	50	50	-10
685 hsa-miR-3682-3p_st	20	-10	-10
686 hsa-miR-3682-5p_st	100	40	100
687 hsa-miR-3683_st	-50	100	-10
688 hsa-miR-3684_st	10	-30	0
689 hsa-miR-3685_st	60	0	-10
690 hsa-miR-3686_st	-10	80	60
691 hsa-miR-3687_st	20	-50	-30
692 hsa-miR-3688-3p_st	-10	50	-50
693 hsa-miR-3688-5p_st	-40	-60	-10
694 hsa-miR-3689a-3p_st	-20	-20	-30
695 hsa-miR-3689a-5p_st	-10	-20	30
696 hsa-miR-3689b_st	40	10	0
697 hsa-miR-3689b-star_st	100	-50	0
698 hsa-miR-3689c_st	50	-30	-30
699 hsa-miR-3689d_st	-10	10	-10

700 hsa-miR-3689e_st	10	10	-30
701 hsa-miR-3689f_st	-10	-40	-10
702 hsa-miR-369-3p_st	70	50	-20
703 hsa-miR-369-5p_st	-30	-40	-80
704 hsa-miR-3690_st	-20	20	0
705 hsa-miR-3691-3p_st	-20	-10	-20
706 hsa-miR-3691-5p_st	-20	-20	-20
707 hsa-miR-3692_st	-30	10	-10
708 hsa-miR-3692-star_st	30	-40	-10
709 hsa-miR-370_st	-20	-50	-30
710 hsa-miR-371-3p_st	-10	-40	60
711 hsa-miR-371-5p_st	10	20	40
712 hsa-miR-3713_st	-10	-60	80
713 hsa-miR-3714_st	-20	80	-70
714 hsa-miR-371b-3p_st	-30	-40	100
715 hsa-miR-371b-5p_st	60	70	20
716 hsa-miR-372_st	30	40	100
717 hsa-miR-373_st	90	0	60
718 hsa-miR-373-star_st	-50	-30	30
719 hsa-miR-374a_st	10	10	100
720 hsa-miR-374a-star_st	-20	100	-30
721 hsa-miR-374b_st	0	0	0
722 hsa-miR-374b-star_st	0	10	90
723 hsa-miR-374c_st	50	-50	40
724 hsa-miR-375_st	90	50	-20
725 hsa-miR-376a_st	-40	-10	0
726 hsa-miR-376a-star_st	20	70	10
727 hsa-miR-376b_st	60	-20	-50
728 hsa-miR-376c_st	-40	-80	-10
729 hsa-miR-377_st	80	10	100
730 hsa-miR-377-star_st	-40	30	-50
731 hsa-miR-378_st	0	0	0
732 hsa-miR-378-star_st	0	-30	10
733 hsa-miR-378b_st	0	-10	-10
734 hsa-miR-378c_st	0	0	0
735 hsa-miR-378d_st	20	-10	20
736 hsa-miR-378e_st	30	-50	20
737 hsa-miR-378f_st	10	-10	0
738 hsa-miR-378g_st	40	-10	0
739 hsa-miR-378h_st	-10	-10	40
740 hsa-miR-378i_st	10	0	0
741 hsa-miR-379_st	-20	10	10
742 hsa-miR-379-star_st	-50	-70	100
743 hsa-miR-380_st	10	-30	-30
744 hsa-miR-380-star_st	-30	0	-60
745 hsa-miR-381_st	-50	-40	-10
746 hsa-miR-382_st	-80	10	-20
747 hsa-miR-383_st	-10	10	-20
748 hsa-miR-384_st	-10	60	-50
749 hsa-miR-3907_st	-20	-20	-20

750 hsa-miR-3908_st	-10	20	70
751 hsa-miR-3909_st	0	0	30
752 hsa-miR-3910_st	100	-40	40
753 hsa-miR-3911_st	10	0	0
754 hsa-miR-3912_st	-10	-50	-20
755 hsa-miR-3913-3p_st	-60	10	-20
756 hsa-miR-3913-5p_st	-40	70	-60
757 hsa-miR-3914_st	90	20	30
758 hsa-miR-3915_st	-30	-10	40
759 hsa-miR-3916_st	-40	-30	-30
760 hsa-miR-3917_st	-40	0	-30
761 hsa-miR-3918_st	0	-10	-40
762 hsa-miR-3919_st	-30	-40	-10
763 hsa-miR-3920_st	-30	60	20
764 hsa-miR-3921_st	70	-30	10
765 hsa-miR-3922-3p_st	20	80	-40
766 hsa-miR-3922-5p_st	60	60	50
767 hsa-miR-3923_st	0	100	0
768 hsa-miR-3924_st	0	50	50
769 hsa-miR-3925-3p_st	-40	100	-10
770 hsa-miR-3925-5p_st	-50	50	20
771 hsa-miR-3926_st	-10	100	100
772 hsa-miR-3927_st	100	-40	100
773 hsa-miR-3928_st	0	40	0
774 hsa-miR-3929_st	0	100	-30
775 hsa-miR-3934_st	30	-30	0
776 hsa-miR-3935_st	10	0	-20
777 hsa-miR-3936_st	-20	-10	40
778 hsa-miR-3937_st	0	-20	0
779 hsa-miR-3938_st	-20	10	0
780 hsa-miR-3939_st	-10	20	40
781 hsa-miR-3940-3p_st	-30	50	-40
782 hsa-miR-3940-5p_st	-10	-10	-10
783 hsa-miR-3941_st	-50	70	-30
784 hsa-miR-3942-3p_st	100	0	20
785 hsa-miR-3942-5p_st	100	0	0
786 hsa-miR-3943_st	30	-40	-40
787 hsa-miR-3944-3p_st	-40	-10	-40
788 hsa-miR-3944-5p_st	-30	-20	20
789 hsa-miR-3945_st	50	10	60
790 hsa-miR-3960_st	0	0	0
791 hsa-miR-3972_st	0	20	10
792 hsa-miR-3973_st	30	40	-20
793 hsa-miR-3974_st	-10	-10	-50
794 hsa-miR-3975_st	100	-100	-70
795 hsa-miR-3976_st	100	-40	-30
796 hsa-miR-3977_st	-70	20	-50
797 hsa-miR-3978_st	70	10	-70
798 hsa-miR-409-3p_st	0	-30	0
799 hsa-miR-409-5p_st	-40	100	20

800 hsa-miR-410_st	20	0	10
801 hsa-miR-411_st	20	-10	-50
802 hsa-miR-411-star_st	100	100	40
803 hsa-miR-412_st	-50	-80	-10
804 hsa-miR-421_st	0	0	0
805 hsa-miR-422a_st	0	0	0
806 hsa-miR-423-3p_st	0	10	0
807 hsa-miR-423-5p_st	0	10	0
808 hsa-miR-424_st	40	10	50
809 hsa-miR-424-star_st	-20	50	50
810 hsa-miR-425_st	0	0	0
811 hsa-miR-425-star_st	0	10	0
812 hsa-miR-4251_st	30	10	50
813 hsa-miR-4252_st	80	60	-10
814 hsa-miR-4253_st	-20	-40	-10
815 hsa-miR-4254_st	-10	-40	0
816 hsa-miR-4255_st	60	-50	-40
817 hsa-miR-4256_st	100	0	50
818 hsa-miR-4257_st	30	-10	-10
819 hsa-miR-4258_st	20	-10	100
820 hsa-miR-4259_st	-40	-50	-10
821 hsa-miR-4260_st	-60	-60	-50
822 hsa-miR-4261_st	30	10	80
823 hsa-miR-4262_st	60	80	60
824 hsa-miR-4263_st	10	100	0
825 hsa-miR-4264_st	10	-10	-50
826 hsa-miR-4265_st	90	100	50
827 hsa-miR-4266_st	-30	-20	-40
828 hsa-miR-4267_st	100	10	10
829 hsa-miR-4268_st	-20	-30	50
830 hsa-miR-4269_st	-40	-70	80
831 hsa-miR-4270_st	0	10	0
832 hsa-miR-4271_st	80	20	-40
833 hsa-miR-4272_st	-40	80	-30
834 hsa-miR-4273_st	20	-20	20
835 hsa-miR-4274_st	-20	0	30
836 hsa-miR-4275_st	40	-10	-10
837 hsa-miR-4276_st	60	-20	40
838 hsa-miR-4277_st	60	-40	-30
839 hsa-miR-4278_st	0	-10	-60
840 hsa-miR-4279_st	100	-40	-40
841 hsa-miR-4280_st	-10	-30	-40
842 hsa-miR-4281_st	0	0	-10
843 hsa-miR-4282_st	-20	100	70
844 hsa-miR-4283_st	-20	-50	100
845 hsa-miR-4284_st	0	0	0
846 hsa-miR-4285_st	-80	-20	-50
847 hsa-miR-4286_st	10	-10	-10
848 hsa-miR-4287_st	-30	-80	-50
849 hsa-miR-4288_st	-30	10	10

850 hsa-miR-4289_st	20	-20	60
851 hsa-miR-429_st	30	-20	30
852 hsa-miR-4290_st	-10	30	20
853 hsa-miR-4291_st	-20	0	-30
854 hsa-miR-4292_st	-50	70	-10
855 hsa-miR-4293_st	50	10	20
856 hsa-miR-4294_st	-40	20	-20
857 hsa-miR-4295_st	100	100	80
858 hsa-miR-4296_st	-10	-50	10
859 hsa-miR-4297_st	-60	-40	20
860 hsa-miR-4298_st	0	10	0
861 hsa-miR-4299_st	30	0	20
862 hsa-miR-4300_st	50	-30	-40
863 hsa-miR-4301_st	10	-60	10
864 hsa-miR-4302_st	10	-60	-60
865 hsa-miR-4303_st	-60	50	-50
866 hsa-miR-4304_st	10	0	10
867 hsa-miR-4305_st	10	0	-50
868 hsa-miR-4306_st	-10	10	0
869 hsa-miR-4307_st	0	100	70
870 hsa-miR-4308_st	-40	0	-30
871 hsa-miR-4309_st	0	10	-20
872 hsa-miR-431_st	0	-20	-20
873 hsa-miR-431-star_st	20	-30	40
874 hsa-miR-4310_st	-50	-30	10
875 hsa-miR-4311_st	80	-40	-40
876 hsa-miR-4312_st	-50	70	30
877 hsa-miR-4313_st	20	20	100
878 hsa-miR-4314_st	-40	10	0
879 hsa-miR-4315_st	90	-10	10
880 hsa-miR-4316_st	10	-20	50
881 hsa-miR-4317_st	0	0	10
882 hsa-miR-4318_st	-70	-50	0
883 hsa-miR-4319_st	100	-40	60
884 hsa-miR-432_st	10	-60	-70
885 hsa-miR-432-star_st	-70	-80	0
886 hsa-miR-4320_st	-50	-70	50
887 hsa-miR-4321_st	-70	-30	0
888 hsa-miR-4322_st	-50	-50	-50
889 hsa-miR-4323_st	-20	30	0
890 hsa-miR-4324_st	30	0	90
891 hsa-miR-4325_st	-30	-60	10
892 hsa-miR-4326_st	0	-20	50
893 hsa-miR-4327_st	20	-60	-40
894 hsa-miR-4328_st	-10	40	40
895 hsa-miR-4329_st	30	-40	40
896 hsa-miR-433_st	-30	0	-20
897 hsa-miR-4330_st	100	50	50
898 hsa-miR-4417_st	0	0	-20
899 hsa-miR-4418_st	10	-70	-30

900	hsa-miR-4419a_st	40	-10	20
901	hsa-miR-4419b_st	-10	-30	-30
902	hsa-miR-4420_st	0	30	100
903	hsa-miR-4421_st	100	50	30
904	hsa-miR-4422_st	40	0	-30
905	hsa-miR-4423-3p_st	10	-40	20
906	hsa-miR-4423-5p_st	-20	80	90
907	hsa-miR-4424_st	-20	-20	-40
908	hsa-miR-4425_st	0	-10	-40
909	hsa-miR-4426_st	100	-30	-10
910	hsa-miR-4427_st	-40	100	-30
911	hsa-miR-4428_st	100	-10	10
912	hsa-miR-4429_st	0	0	0
913	hsa-miR-4430_st	0	-20	10
914	hsa-miR-4431_st	20	40	-40
915	hsa-miR-4432_st	-30	100	90
916	hsa-miR-4433_st	0	10	0
917	hsa-miR-4434_st	100	40	90
918	hsa-miR-4435_st	-10	-30	80
919	hsa-miR-4436a_st	40	0	-10
920	hsa-miR-4436b-3p_st	100	50	50
921	hsa-miR-4436b-5p_st	-40	0	-20
922	hsa-miR-4437_st	20	30	-10
923	hsa-miR-4438_st	-70	40	-40
924	hsa-miR-4439_st	60	-20	-20
925	hsa-miR-4440_st	-30	10	-30
926	hsa-miR-4441_st	-40	100	-40
927	hsa-miR-4442_st	50	10	-10
928	hsa-miR-4443_st	0	-10	0
929	hsa-miR-4444_st	100	0	-10
930	hsa-miR-4445_st	-10	-10	-50
931	hsa-miR-4445-star_st	90	-50	-10
932	hsa-miR-4446-3p_st	10	-40	60
933	hsa-miR-4446-5p_st	-40	-20	100
934	hsa-miR-4447_st	-10	-40	-40
935	hsa-miR-4448_st	-10	20	100
936	hsa-miR-4449_st	0	0	-20
937	hsa-miR-4450_st	-20	100	0
938	hsa-miR-4451_st	70	-60	-50
939	hsa-miR-4452_st	70	80	100
940	hsa-miR-4453_st	20	0	-20
941	hsa-miR-4454_st	-10	-10	-10
942	hsa-miR-4455_st	20	10	0
943	hsa-miR-4456_st	-20	100	100
944	hsa-miR-4457_st	70	100	-60
945	hsa-miR-4458_st	40	10	70
946	hsa-miR-4459_st	10	10	0
947	hsa-miR-4460_st	60	-30	80
948	hsa-miR-4461_st	0	10	10
949	hsa-miR-4462_st	-20	-10	-20

950 hsa-miR-4463_st	0	0	0
951 hsa-miR-4464_st	-20	20	-20
952 hsa-miR-4465_st	-10	40	-10
953 hsa-miR-4466_st	-10	-10	-10
954 hsa-miR-4467_st	-20	-10	-10
955 hsa-miR-4468_st	50	50	10
956 hsa-miR-4469_st	-40	30	0
957 hsa-miR-4470_st	80	60	10
958 hsa-miR-4471_st	60	-10	-40
959 hsa-miR-4472_st	10	-30	20
960 hsa-miR-4473_st	-10	30	-40
961 hsa-miR-4474-3p_st	80	-20	-30
962 hsa-miR-4474-5p_st	20	-50	50
963 hsa-miR-4475_st	-30	20	0
964 hsa-miR-4476_st	50	-40	0
965 hsa-miR-4477a_st	-50	-60	-60
966 hsa-miR-4477b_st	-30	20	0
967 hsa-miR-4478_st	0	-50	60
968 hsa-miR-4479_st	0	-60	-30
969 hsa-miR-448_st	10	20	-10
970 hsa-miR-4480_st	-30	-30	-60
971 hsa-miR-4481_st	-30	10	0
972 hsa-miR-4482_st	-30	10	10
973 hsa-miR-4483_st	10	10	0
974 hsa-miR-4484_st	0	10	-10
975 hsa-miR-4485_st	0	10	0
976 hsa-miR-4486_st	-20	0	0
977 hsa-miR-4487_st	0	50	10
978 hsa-miR-4488_st	-10	-10	0
979 hsa-miR-4489_st	30	-90	-30
980 hsa-miR-4490_st	0	-10	-30
981 hsa-miR-4491_st	10	-40	-40
982 hsa-miR-4492_st	-20	-10	-10
983 hsa-miR-4493_st	100	-20	-60
984 hsa-miR-4494_st	0	-60	40
985 hsa-miR-4495_st	40	90	-40
986 hsa-miR-4496_st	-10	50	-20
987 hsa-miR-4497_st	0	0	0
988 hsa-miR-4498_st	-10	-10	0
989 hsa-miR-4499_st	60	-40	-20
990 hsa-miR-449a_st	20	10	70
991 hsa-miR-449b_st	70	40	40
992 hsa-miR-449b-star_st	50	20	30
993 hsa-miR-449c_st	100	-40	0
994 hsa-miR-449c-star_st	-30	20	-30
995 hsa-miR-4500_st	100	-30	30
996 hsa-miR-4501_st	80	-50	30
997 hsa-miR-4502_st	30	-20	-20
998 hsa-miR-4503_st	-40	80	-60
999 hsa-miR-4504_st	40	10	30

1000	hsa-miR-4505_st	-20	-10	-10
1001	hsa-miR-4506_st	-30	20	-30
1002	hsa-miR-4507_st	-10	-10	-10
1003	hsa-miR-4508_st	-10	-10	0
1004	hsa-miR-4509_st	0	-50	-20
1005	hsa-miR-450a_st	0	-10	0
1006	hsa-miR-450b-3p_st	60	100	80
1007	hsa-miR-450b-5p_st	50	-50	30
1008	hsa-miR-451_st	50	-70	-70
1009	hsa-miR-4510_st	30	-40	10
1010	hsa-miR-4511_st	-30	0	10
1011	hsa-miR-4512_st	-20	-70	30
1012	hsa-miR-4513_st	-30	-40	-30
1013	hsa-miR-4514_st	-50	-20	30
1014	hsa-miR-4515_st	-10	80	30
1015	hsa-miR-4516_st	-10	-10	-10
1016	hsa-miR-4517_st	50	0	30
1017	hsa-miR-4518_st	-20	90	100
1018	hsa-miR-4519_st	20	-20	40
1019	hsa-miR-451b_st	40	-70	-70
1020	hsa-miR-452_st	10	0	10
1021	hsa-miR-452-star_st	-40	-50	100
1022	hsa-miR-4520a-3p_st	-50	-20	-20
1023	hsa-miR-4520a-5p_st	60	20	0
1024	hsa-miR-4520b-3p_st	-50	20	-50
1025	hsa-miR-4520b-5p_st	20	100	-40
1026	hsa-miR-4521_st	30	40	30
1027	hsa-miR-4522_st	-30	20	-60
1028	hsa-miR-4523_st	-40	-40	100
1029	hsa-miR-4524_st	100	0	20
1030	hsa-miR-4524-star_st	-40	100	-30
1031	hsa-miR-4525_st	-30	-50	-40
1032	hsa-miR-4526_st	-40	-50	40
1033	hsa-miR-4527_st	10	-50	90
1034	hsa-miR-4528_st	40	80	-10
1035	hsa-miR-4529-3p_st	90	10	20
1036	hsa-miR-4529-5p_st	0	-20	30
1037	hsa-miR-4530_st	-10	-10	-10
1038	hsa-miR-4531_st	10	100	-40
1039	hsa-miR-4532_st	-10	0	-10
1040	hsa-miR-4533_st	10	-10	-20
1041	hsa-miR-4534_st	10	10	0
1042	hsa-miR-4535_st	100	-40	0
1043	hsa-miR-4536_st	100	-30	0
1044	hsa-miR-4537_st	-10	-70	70
1045	hsa-miR-4538_st	60	-30	20
1046	hsa-miR-4539_st	-30	-30	-10
1047	hsa-miR-454_st	0	0	0
1048	hsa-miR-454-star_st	40	0	90
1049	hsa-miR-4540_st	-10	50	40

1050	hsa-miR-455-3p_st	0	0	0
1051	hsa-miR-455-5p_st	0	-10	0
1052	hsa-miR-4632_st	-20	-30	-10
1053	hsa-miR-4633-3p_st	80	-50	10
1054	hsa-miR-4633-5p_st	-20	-10	20
1055	hsa-miR-4634_st	-20	-10	-30
1056	hsa-miR-4635_st	20	-10	100
1057	hsa-miR-4636_st	-20	-20	-50
1058	hsa-miR-4637_st	20	0	100
1059	hsa-miR-4638-3p_st	-40	-20	-10
1060	hsa-miR-4638-5p_st	-50	40	0
1061	hsa-miR-4639-3p_st	70	0	-10
1062	hsa-miR-4639-5p_st	100	20	60
1063	hsa-miR-4640-3p_st	-10	0	-10
1064	hsa-miR-4640-5p_st	0	10	0
1065	hsa-miR-4641_st	-20	-70	90
1066	hsa-miR-4642_st	0	0	60
1067	hsa-miR-4643_st	30	-10	-10
1068	hsa-miR-4644_st	30	-20	20
1069	hsa-miR-4645-3p_st	10	100	60
1070	hsa-miR-4645-5p_st	-20	0	-10
1071	hsa-miR-4646-3p_st	20	20	20
1072	hsa-miR-4646-5p_st	0	10	0
1073	hsa-miR-4647_st	-20	-20	0
1074	hsa-miR-4648_st	-50	-80	30
1075	hsa-miR-4649-3p_st	0	80	-20
1076	hsa-miR-4649-5p_st	-10	0	0
1077	hsa-miR-4650-3p_st	30	40	70
1078	hsa-miR-4650-5p_st	-50	100	-30
1079	hsa-miR-4651_st	-10	-10	-10
1080	hsa-miR-4652-3p_st	-20	0	0
1081	hsa-miR-4652-5p_st	100	50	-60
1082	hsa-miR-4653-3p_st	-50	-50	-50
1083	hsa-miR-4653-5p_st	10	10	0
1084	hsa-miR-4654_st	100	-30	-30
1085	hsa-miR-4655-3p_st	-30	-60	-40
1086	hsa-miR-4655-5p_st	0	0	0
1087	hsa-miR-4656_st	-10	0	0
1088	hsa-miR-4657_st	90	60	70
1089	hsa-miR-4658_st	80	30	50
1090	hsa-miR-4659a-3p_st	-20	-30	100
1091	hsa-miR-4659a-5p_st	20	-10	-80
1092	hsa-miR-4659b-3p_st	-10	-30	60
1093	hsa-miR-4659b-5p_st	-30	-40	-60
1094	hsa-miR-466_st	20	10	10
1095	hsa-miR-4660_st	-10	10	-60
1096	hsa-miR-4661-3p_st	0	100	20
1097	hsa-miR-4661-5p_st	0	-30	-40
1098	hsa-miR-4662a-3p_st	20	60	30
1099	hsa-miR-4662a-5p_st	-30	-40	100

1100	hsa-miR-4662b_st	10	-30	-50
1101	hsa-miR-4663_st	100	100	-50
1102	hsa-miR-4664-3p_st	90	0	-30
1103	hsa-miR-4664-5p_st	-40	-50	10
1104	hsa-miR-4665-3p_st	70	-10	40
1105	hsa-miR-4665-5p_st	-30	-20	-10
1106	hsa-miR-4666-3p_st	-60	-30	40
1107	hsa-miR-4666-5p_st	-20	20	0
1108	hsa-miR-4667-3p_st	-10	30	-30
1109	hsa-miR-4667-5p_st	20	0	0
1110	hsa-miR-4668-3p_st	20	-10	20
1111	hsa-miR-4668-5p_st	0	0	30
1112	hsa-miR-4669_st	10	10	0
1113	hsa-miR-4670-3p_st	20	-30	-10
1114	hsa-miR-4670-5p_st	100	100	0
1115	hsa-miR-4671-3p_st	10	50	0
1116	hsa-miR-4671-5p_st	-10	100	-50
1117	hsa-miR-4672_st	20	-60	-40
1118	hsa-miR-4673_st	-40	0	40
1119	hsa-miR-4674_st	-10	0	-10
1120	hsa-miR-4675_st	100	-10	10
1121	hsa-miR-4676-3p_st	-30	-60	60
1122	hsa-miR-4676-5p_st	90	-20	0
1123	hsa-miR-4677-3p_st	100	10	-10
1124	hsa-miR-4677-5p_st	20	-20	-10
1125	hsa-miR-4678_st	20	30	0
1126	hsa-miR-4679_st	-20	70	-60
1127	hsa-miR-4680-3p_st	-60	30	40
1128	hsa-miR-4680-5p_st	10	0	-30
1129	hsa-miR-4681_st	-20	60	-10
1130	hsa-miR-4682_st	-50	-40	-60
1131	hsa-miR-4683_st	100	20	0
1132	hsa-miR-4684-3p_st	0	10	-10
1133	hsa-miR-4684-5p_st	-40	80	-60
1134	hsa-miR-4685-3p_st	-30	-60	-20
1135	hsa-miR-4685-5p_st	10	-10	10
1136	hsa-miR-4686_st	0	20	-30
1137	hsa-miR-4687-3p_st	0	0	0
1138	hsa-miR-4687-5p_st	20	-20	20
1139	hsa-miR-4688_st	0	-20	0
1140	hsa-miR-4689_st	0	10	-10
1141	hsa-miR-4690-3p_st	-70	-20	-50
1142	hsa-miR-4690-5p_st	0	0	0
1143	hsa-miR-4691-3p_st	60	-20	-20
1144	hsa-miR-4691-5p_st	-70	30	-40
1145	hsa-miR-4692_st	90	-30	-10
1146	hsa-miR-4693-3p_st	-10	-20	-40
1147	hsa-miR-4693-5p_st	-10	70	-30
1148	hsa-miR-4694-3p_st	-10	-10	30
1149	hsa-miR-4694-5p_st	100	-30	50

1150 hsa-miR-4695-3p_st	-20	-10	10
1151 hsa-miR-4695-5p_st	0	0	0
1152 hsa-miR-4696_st	-40	-10	100
1153 hsa-miR-4697-3p_st	40	0	20
1154 hsa-miR-4697-5p_st	30	-50	-10
1155 hsa-miR-4698_st	40	0	-10
1156 hsa-miR-4699-3p_st	20	20	20
1157 hsa-miR-4699-5p_st	-20	70	-40
1158 hsa-miR-4700-3p_st	10	70	60
1159 hsa-miR-4700-5p_st	50	0	-10
1160 hsa-miR-4701-3p_st	0	20	0
1161 hsa-miR-4701-5p_st	60	-30	60
1162 hsa-miR-4703-3p_st	20	60	80
1163 hsa-miR-4703-5p_st	-20	-50	30
1164 hsa-miR-4704-3p_st	-80	20	70
1165 hsa-miR-4704-5p_st	100	-20	-20
1166 hsa-miR-4705_st	-20	-20	-30
1167 hsa-miR-4706_st	-10	0	10
1168 hsa-miR-4707-3p_st	-20	-60	20
1169 hsa-miR-4707-5p_st	-10	-10	-10
1170 hsa-miR-4708-3p_st	-10	-80	20
1171 hsa-miR-4708-5p_st	-50	-40	0
1172 hsa-miR-4709-3p_st	-10	100	0
1173 hsa-miR-4709-5p_st	20	30	-20
1174 hsa-miR-4710_st	10	10	0
1175 hsa-miR-4711-3p_st	0	-20	-60
1176 hsa-miR-4711-5p_st	50	20	-50
1177 hsa-miR-4712-3p_st	50	40	100
1178 hsa-miR-4712-5p_st	0	70	-20
1179 hsa-miR-4713-3p_st	-20	-20	-20
1180 hsa-miR-4713-5p_st	20	-20	-50
1181 hsa-miR-4714-3p_st	-30	-10	80
1182 hsa-miR-4714-5p_st	50	60	-20
1183 hsa-miR-4715-3p_st	-20	-10	-50
1184 hsa-miR-4715-5p_st	10	100	-60
1185 hsa-miR-4716-3p_st	10	30	-20
1186 hsa-miR-4716-5p_st	-10	-10	10
1187 hsa-miR-4717-3p_st	50	30	-40
1188 hsa-miR-4717-5p_st	20	-10	20
1189 hsa-miR-4718_st	100	60	30
1190 hsa-miR-4719_st	80	-20	-10
1191 hsa-miR-4720-3p_st	-20	0	-20
1192 hsa-miR-4720-5p_st	100	-30	10
1193 hsa-miR-4721_st	10	0	-10
1194 hsa-miR-4722-3p_st	-70	-10	100
1195 hsa-miR-4722-5p_st	-50	-10	100
1196 hsa-miR-4723-3p_st	-10	-50	0
1197 hsa-miR-4723-5p_st	0	40	10
1198 hsa-miR-4724-3p_st	-10	-30	0
1199 hsa-miR-4724-5p_st	10	-10	10

1200	hsa-miR-4725-3p_st	10	-10	30
1201	hsa-miR-4725-5p_st	-30	-60	0
1202	hsa-miR-4726-3p_st	-40	-60	-70
1203	hsa-miR-4726-5p_st	-30	-20	-20
1204	hsa-miR-4727-3p_st	100	-20	0
1205	hsa-miR-4727-5p_st	-30	-10	100
1206	hsa-miR-4728-3p_st	0	-10	20
1207	hsa-miR-4728-5p_st	0	10	0
1208	hsa-miR-4729_st	-40	20	-30
1209	hsa-miR-4730_st	0	-30	50
1210	hsa-miR-4731-3p_st	10	-40	20
1211	hsa-miR-4731-5p_st	-70	10	-60
1212	hsa-miR-4732-3p_st	-40	-30	10
1213	hsa-miR-4732-5p_st	0	0	0
1214	hsa-miR-4733-3p_st	-30	70	30
1215	hsa-miR-4733-5p_st	20	0	40
1216	hsa-miR-4734_st	-10	-10	-10
1217	hsa-miR-4735-3p_st	20	100	-80
1218	hsa-miR-4735-5p_st	20	70	-30
1219	hsa-miR-4736_st	0	-10	-50
1220	hsa-miR-4737_st	0	-10	-20
1221	hsa-miR-4738-3p_st	10	20	-30
1222	hsa-miR-4738-5p_st	10	-20	-10
1223	hsa-miR-4739_st	0	10	0
1224	hsa-miR-4740-3p_st	-10	-70	30
1225	hsa-miR-4740-5p_st	-10	-20	100
1226	hsa-miR-4741_st	-20	-10	-10
1227	hsa-miR-4742-3p_st	0	100	80
1228	hsa-miR-4742-5p_st	10	-30	0
1229	hsa-miR-4743_st	30	-10	0
1230	hsa-miR-4744_st	-30	-20	-20
1231	hsa-miR-4745-3p_st	0	0	40
1232	hsa-miR-4745-5p_st	-10	0	-10
1233	hsa-miR-4746-3p_st	-40	-10	-10
1234	hsa-miR-4746-5p_st	-20	-50	100
1235	hsa-miR-4747-3p_st	-60	20	40
1236	hsa-miR-4747-5p_st	-10	40	20
1237	hsa-miR-4748_st	-40	50	-30
1238	hsa-miR-4749-3p_st	-30	-70	60
1239	hsa-miR-4749-5p_st	0	10	0
1240	hsa-miR-4750_st	-10	-10	0
1241	hsa-miR-4751_st	-50	0	-30
1242	hsa-miR-4752_st	20	-10	-60
1243	hsa-miR-4753-3p_st	-70	0	-30
1244	hsa-miR-4753-5p_st	100	-30	-30
1245	hsa-miR-4754_st	-30	10	-10
1246	hsa-miR-4755-3p_st	80	90	30
1247	hsa-miR-4755-5p_st	10	40	30
1248	hsa-miR-4756-3p_st	10	-30	80
1249	hsa-miR-4756-5p_st	-50	-30	60

1250	hsa-miR-4757-3p_st	40	-20	70
1251	hsa-miR-4757-5p_st	0	-20	-50
1252	hsa-miR-4758-3p_st	-20	-30	20
1253	hsa-miR-4758-5p_st	-10	0	-10
1254	hsa-miR-4759_st	70	0	-10
1255	hsa-miR-4760-3p_st	-10	20	70
1256	hsa-miR-4760-5p_st	-70	100	-40
1257	hsa-miR-4761-3p_st	30	20	-30
1258	hsa-miR-4761-5p_st	80	-40	50
1259	hsa-miR-4762-3p_st	40	90	-80
1260	hsa-miR-4762-5p_st	-20	20	90
1261	hsa-miR-4763-3p_st	-10	0	-10
1262	hsa-miR-4763-5p_st	-40	-40	-20
1263	hsa-miR-4764-3p_st	100	-30	-30
1264	hsa-miR-4764-5p_st	20	-10	-70
1265	hsa-miR-4765_st	-20	0	50
1266	hsa-miR-4766-3p_st	70	80	-30
1267	hsa-miR-4766-5p_st	-40	-50	-100
1268	hsa-miR-4767_st	-40	-10	-20
1269	hsa-miR-4768-3p_st	0	30	-20
1270	hsa-miR-4768-5p_st	-20	-10	-50
1271	hsa-miR-4769-3p_st	-10	-10	40
1272	hsa-miR-4769-5p_st	60	90	-40
1273	hsa-miR-4770_st	-30	-50	50
1274	hsa-miR-4771_st	-70	90	-10
1275	hsa-miR-4772-3p_st	30	-20	-20
1276	hsa-miR-4772-5p_st	60	-60	60
1277	hsa-miR-4773_st	100	-50	90
1278	hsa-miR-4774-3p_st	20	50	-10
1279	hsa-miR-4774-5p_st	-10	0	20
1280	hsa-miR-4775_st	-30	10	-10
1281	hsa-miR-4776-3p_st	-20	20	90
1282	hsa-miR-4776-5p_st	0	-20	20
1283	hsa-miR-4777-3p_st	-10	30	10
1284	hsa-miR-4777-5p_st	-20	60	-20
1285	hsa-miR-4778-3p_st	10	20	80
1286	hsa-miR-4778-5p_st	70	-30	0
1287	hsa-miR-4779_st	30	60	-40
1288	hsa-miR-4780_st	-30	-50	100
1289	hsa-miR-4781-3p_st	-20	-10	0
1290	hsa-miR-4781-5p_st	-40	-20	100
1291	hsa-miR-4782-3p_st	-10	60	100
1292	hsa-miR-4782-5p_st	10	-40	-40
1293	hsa-miR-4783-3p_st	-50	-20	-10
1294	hsa-miR-4783-5p_st	50	-30	70
1295	hsa-miR-4784_st	-40	-20	-30
1296	hsa-miR-4785_st	-30	-20	-30
1297	hsa-miR-4786-3p_st	-60	-20	-60
1298	hsa-miR-4786-5p_st	-20	-40	100
1299	hsa-miR-4787-3p_st	-10	-50	40

1300	hsa-miR-4787-5p_st	-10	-10	-10
1301	hsa-miR-4788_st	10	-10	0
1302	hsa-miR-4789-3p_st	60	-20	30
1303	hsa-miR-4789-5p_st	40	-20	20
1304	hsa-miR-4790-3p_st	-30	30	30
1305	hsa-miR-4790-5p_st	-10	-20	-10
1306	hsa-miR-4791_st	100	10	-20
1307	hsa-miR-4792_st	-40	-50	10
1308	hsa-miR-4793-3p_st	20	-30	-80
1309	hsa-miR-4793-5p_st	10	30	20
1310	hsa-miR-4794_st	0	60	-30
1311	hsa-miR-4795-3p_st	-50	80	70
1312	hsa-miR-4795-5p_st	40	40	-40
1313	hsa-miR-4796-3p_st	-10	-10	-20
1314	hsa-miR-4796-5p_st	10	-50	100
1315	hsa-miR-4797-3p_st	0	80	-30
1316	hsa-miR-4797-5p_st	100	-20	60
1317	hsa-miR-4798-3p_st	40	10	-50
1318	hsa-miR-4798-5p_st	40	30	-40
1319	hsa-miR-4799-3p_st	-20	-70	10
1320	hsa-miR-4799-5p_st	0	70	0
1321	hsa-miR-4800-3p_st	-20	-40	0
1322	hsa-miR-4800-5p_st	20	-10	10
1323	hsa-miR-4801_st	100	-30	-40
1324	hsa-miR-4802-3p_st	40	-20	-10
1325	hsa-miR-4802-5p_st	20	80	40
1326	hsa-miR-4803_st	20	40	10
1327	hsa-miR-4804-3p_st	30	-30	30
1328	hsa-miR-4804-5p_st	-10	-50	-30
1329	hsa-miR-483-3p_st	100	0	30
1330	hsa-miR-483-5p_st	0	10	0
1331	hsa-miR-484_st	-10	-20	0
1332	hsa-miR-485-3p_st	-30	-20	0
1333	hsa-miR-485-5p_st	60	70	40
1334	hsa-miR-486-3p_st	-20	-20	0
1335	hsa-miR-486-5p_st	60	30	0
1336	hsa-miR-487a_st	30	20	-10
1337	hsa-miR-487b_st	10	20	-50
1338	hsa-miR-488_st	0	-30	0
1339	hsa-miR-488-star_st	0	40	10
1340	hsa-miR-489_st	100	40	60
1341	hsa-miR-490-3p_st	-40	20	40
1342	hsa-miR-490-5p_st	0	0	0
1343	hsa-miR-491-3p_st	20	30	-30
1344	hsa-miR-491-5p_st	0	0	0
1345	hsa-miR-492_st	-30	-50	-30
1346	hsa-miR-493_st	50	-60	-20
1347	hsa-miR-493-star_st	-40	0	40
1348	hsa-miR-494_st	-10	-20	10
1349	hsa-miR-495_st	0	80	0

1350 hsa-miR-496_st	50	70	40
1351 hsa-miR-497_st	-70	-30	-40
1352 hsa-miR-497-star_st	-20	100	-20
1353 hsa-miR-498_st	-40	0	-10
1354 hsa-miR-499-3p_st	-50	0	-20
1355 hsa-miR-499-5p_st	-10	40	-40
1356 hsa-miR-499a-3p_st	40	20	20
1357 hsa-miR-499a-5p_st	100	0	-60
1358 hsa-miR-500a_st	0	10	0
1359 hsa-miR-500a-star_st	0	0	0
1360 hsa-miR-500b_st	60	-10	20
1361 hsa-miR-501-3p_st	0	0	0
1362 hsa-miR-501-5p_st	0	0	0
1363 hsa-miR-502-3p_st	0	10	0
1364 hsa-miR-502-5p_st	20	-40	-30
1365 hsa-miR-503_st	-10	20	-20
1366 hsa-miR-504_st	0	50	-20
1367 hsa-miR-5047_st	40	100	-30
1368 hsa-miR-505_st	10	0	0
1369 hsa-miR-505-star_st	0	10	0
1370 hsa-miR-506_st	-10	60	20
1371 hsa-miR-507_st	-90	-10	-50
1372 hsa-miR-508-3p_st	100	70	10
1373 hsa-miR-508-5p_st	10	0	10
1374 hsa-miR-509-3-5p_st	100	-60	50
1375 hsa-miR-509-3p_st	-40	0	-30
1376 hsa-miR-509-5p_st	100	-50	-30
1377 hsa-miR-5095_st	50	0	-10
1378 hsa-miR-5096_st	10	20	-10
1379 hsa-miR-510_st	100	0	10
1380 hsa-miR-511_st	-10	30	0
1381 hsa-miR-512-3p_st	10	0	0
1382 hsa-miR-512-5p_st	-50	80	-20
1383 hsa-miR-513a-3p_st	-20	90	-60
1384 hsa-miR-513a-5p_st	20	-40	-30
1385 hsa-miR-513b_st	-40	-30	-30
1386 hsa-miR-513c_st	20	-60	-80
1387 hsa-miR-514_st	-20	-60	30
1388 hsa-miR-514b-3p_st	40	10	90
1389 hsa-miR-514b-5p_st	100	-30	-40
1390 hsa-miR-515-3p_st	20	40	60
1391 hsa-miR-515-5p_st	10	100	30
1392 hsa-miR-516a-3p_st	0	100	10
1393 hsa-miR-516a-5p_st	100	80	-20
1394 hsa-miR-516b_st	-60	-70	-30
1395 hsa-miR-516b-star_st	-20	100	-20
1396 hsa-miR-517-star_st	-30	-20	-40
1397 hsa-miR-517a_st	-20	50	-20
1398 hsa-miR-517b_st	-40	70	10
1399 hsa-miR-517c_st	50	-20	-10

1400	hsa-miR-518a-3p_st	10	10	20
1401	hsa-miR-518a-5p_st	-20	-60	20
1402	hsa-miR-518b_st	-30	-50	90
1403	hsa-miR-518c_st	100	80	10
1404	hsa-miR-518c-star_st	-30	40	-50
1405	hsa-miR-518d-3p_st	20	100	10
1406	hsa-miR-518d-5p_st	-50	-50	-50
1407	hsa-miR-518e_st	20	-30	-10
1408	hsa-miR-518e-star_st	-30	-20	0
1409	hsa-miR-518f_st	10	100	0
1410	hsa-miR-518f-star_st	-10	-40	80
1411	hsa-miR-519a_st	100	0	70
1412	hsa-miR-519a-star_st	-50	20	70
1413	hsa-miR-519b-3p_st	-50	100	-30
1414	hsa-miR-519b-5p_st	-80	80	30
1415	hsa-miR-519c-3p_st	30	100	0
1416	hsa-miR-519c-5p_st	0	-30	0
1417	hsa-miR-519d_st	0	10	40
1418	hsa-miR-519e_st	30	0	-20
1419	hsa-miR-519e-star_st	100	-40	-10
1420	hsa-miR-520a-3p_st	60	0	-20
1421	hsa-miR-520a-5p_st	-50	60	50
1422	hsa-miR-520b_st	-10	100	20
1423	hsa-miR-520c-3p_st	-20	70	10
1424	hsa-miR-520c-5p_st	100	60	60
1425	hsa-miR-520d-3p_st	-20	20	-50
1426	hsa-miR-520d-5p_st	-30	-30	-40
1427	hsa-miR-520e_st	100	10	-30
1428	hsa-miR-520f_st	-30	100	-20
1429	hsa-miR-520g_st	-20	10	0
1430	hsa-miR-520h_st	100	60	70
1431	hsa-miR-521_st	100	-50	70
1432	hsa-miR-522_st	-10	10	100
1433	hsa-miR-522-star_st	-40	100	100
1434	hsa-miR-523_st	-60	0	100
1435	hsa-miR-523-star_st	-20	50	0
1436	hsa-miR-524-3p_st	-70	-60	-20
1437	hsa-miR-524-5p_st	-30	-40	-40
1438	hsa-miR-525-3p_st	-40	-30	-30
1439	hsa-miR-525-5p_st	-40	-40	-40
1440	hsa-miR-526a_st	-30	-40	-40
1441	hsa-miR-526b_st	0	-40	20
1442	hsa-miR-526b-star_st	-70	-20	100
1443	hsa-miR-527_st	20	-40	-30
1444	hsa-miR-532-3p_st	0	0	0
1445	hsa-miR-532-5p_st	0	10	0
1446	hsa-miR-539_st	-10	70	-40
1447	hsa-miR-541_st	-20	-30	60
1448	hsa-miR-541-star_st	100	-40	-70
1449	hsa-miR-542-3p_st	70	60	100

1450	hsa-miR-542-5p_st	-20	0	30
1451	hsa-miR-543_st	-10	-10	20
1452	hsa-miR-544_st	-70	100	-30
1453	hsa-miR-544b_st	-50	0	70
1454	hsa-miR-545_st	-30	80	-30
1455	hsa-miR-545-star_st	10	100	10
1456	hsa-miR-548a-3p_st	10	-50	50
1457	hsa-miR-548a-5p_st	-20	10	20
1458	hsa-miR-548aa_st	100	0	100
1459	hsa-miR-548ab_st	-10	80	-30
1460	hsa-miR-548ac_st	10	0	30
1461	hsa-miR-548ad_st	-20	40	-40
1462	hsa-miR-548ae_st	-30	-50	0
1463	hsa-miR-548ag_st	-40	-30	100
1464	hsa-miR-548ah_st	-10	60	-20
1465	hsa-miR-548ai_st	100	-10	0
1466	hsa-miR-548aj_st	-20	-20	0
1467	hsa-miR-548ak_st	10	-40	40
1468	hsa-miR-548al_st	70	10	0
1469	hsa-miR-548am_st	-20	10	-10
1470	hsa-miR-548an_st	100	-20	80
1471	hsa-miR-548b-3p_st	-10	-60	40
1472	hsa-miR-548b-5p_st	-40	100	30
1473	hsa-miR-548c-3p_st	100	100	10
1474	hsa-miR-548c-5p_st	-10	0	-70
1475	hsa-miR-548d-3p_st	30	60	-40
1476	hsa-miR-548d-5p_st	100	-20	-10
1477	hsa-miR-548e_st	-10	0	0
1478	hsa-miR-548f_st	10	90	0
1479	hsa-miR-548g_st	-40	100	-10
1480	hsa-miR-548h_st	20	-30	-50
1481	hsa-miR-548i_st	30	0	20
1482	hsa-miR-548j_st	20	0	-10
1483	hsa-miR-548k_st	-20	30	0
1484	hsa-miR-548l_st	-50	-40	0
1485	hsa-miR-548m_st	10	-10	30
1486	hsa-miR-548n_st	70	100	-20
1487	hsa-miR-548o_st	0	-10	20
1488	hsa-miR-548p_st	-20	-40	20
1489	hsa-miR-548q_st	100	-10	40
1490	hsa-miR-548s_st	-10	60	-50
1491	hsa-miR-548t_st	100	-70	-20
1492	hsa-miR-548u_st	100	-30	-10
1493	hsa-miR-548v_st	10	100	70
1494	hsa-miR-548w_st	-30	80	-40
1495	hsa-miR-548x_st	-30	-60	-20
1496	hsa-miR-548y_st	-10	-30	10
1497	hsa-miR-548z_st	90	-70	100
1498	hsa-miR-549_st	100	-30	-40
1499	hsa-miR-550a_st	0	20	-10

1500	hsa-miR-550a-star_st	0	0	0
1501	hsa-miR-550b_st	100	-20	40
1502	hsa-miR-551a_st	10	0	10
1503	hsa-miR-551b_st	100	10	-40
1504	hsa-miR-551b-star_st	80	30	-30
1505	hsa-miR-552_st	-10	-30	-20
1506	hsa-miR-553_st	0	-20	70
1507	hsa-miR-554_st	-10	-20	-20
1508	hsa-miR-555_st	50	-20	40
1509	hsa-miR-556-3p_st	-40	20	30
1510	hsa-miR-556-5p_st	-10	30	100
1511	hsa-miR-557_st	-10	-50	0
1512	hsa-miR-558_st	60	40	-30
1513	hsa-miR-559_st	10	60	90
1514	hsa-miR-561_st	-30	10	-40
1515	hsa-miR-562_st	100	0	10
1516	hsa-miR-563_st	-30	0	70
1517	hsa-miR-564_st	-50	0	-10
1518	hsa-miR-566_st	90	10	-40
1519	hsa-miR-567_st	10	-40	10
1520	hsa-miR-568_st	40	-10	-10
1521	hsa-miR-569_st	0	-20	20
1522	hsa-miR-570_st	100	-40	30
1523	hsa-miR-571_st	-40	100	-10
1524	hsa-miR-572_st	-50	-20	10
1525	hsa-miR-573_st	10	100	10
1526	hsa-miR-574-3p_st	0	10	0
1527	hsa-miR-574-5p_st	0	10	0
1528	hsa-miR-575_st	40	10	-10
1529	hsa-miR-576-3p_st	40	50	0
1530	hsa-miR-576-5p_st	100	50	-30
1531	hsa-miR-577_st	10	0	-30
1532	hsa-miR-578_st	0	-30	10
1533	hsa-miR-579_st	10	30	20
1534	hsa-miR-580_st	0	60	30
1535	hsa-miR-581_st	40	80	-10
1536	hsa-miR-582-3p_st	100	30	0
1537	hsa-miR-582-5p_st	-30	-70	40
1538	hsa-miR-583_st	30	-30	-20
1539	hsa-miR-584_st	90	-70	100
1540	hsa-miR-585_st	100	-50	30
1541	hsa-miR-586_st	-10	-10	100
1542	hsa-miR-587_st	-10	20	-50
1543	hsa-miR-588_st	-50	20	-30
1544	hsa-miR-589_st	-50	-10	-30
1545	hsa-miR-589-star_st	-10	0	10
1546	hsa-miR-590-3p_st	-30	-10	-10
1547	hsa-miR-590-5p_st	90	-50	100
1548	hsa-miR-591_st	60	90	-40
1549	hsa-miR-592_st	-30	-30	-20

1550 hsa-miR-593_st	10	-50	40
1551 hsa-miR-593-star_st	0	-10	100
1552 hsa-miR-595_st	-10	20	-10
1553 hsa-miR-596_st	10	-40	-30
1554 hsa-miR-597_st	-40	-60	-10
1555 hsa-miR-598_st	-50	-30	80
1556 hsa-miR-599_st	40	40	100
1557 hsa-miR-600_st	30	30	-40
1558 hsa-miR-601_st	70	-60	100
1559 hsa-miR-602_st	-30	-30	20
1560 hsa-miR-603_st	100	-80	50
1561 hsa-miR-604_st	10	-50	0
1562 hsa-miR-605_st	-10	-30	10
1563 hsa-miR-606_st	40	100	100
1564 hsa-miR-607_st	30	10	0
1565 hsa-miR-608_st	20	-50	-40
1566 hsa-miR-609_st	-50	-20	30
1567 hsa-miR-610_st	-50	80	0
1568 hsa-miR-611_st	-50	-70	-60
1569 hsa-miR-612_st	-60	-40	60
1570 hsa-miR-613_st	-10	-50	-30
1571 hsa-miR-614_st	60	-60	40
1572 hsa-miR-615-3p_st	-40	-20	-10
1573 hsa-miR-615-5p_st	-50	-60	-10
1574 hsa-miR-616_st	10	-30	70
1575 hsa-miR-616-star_st	-40	-10	-30
1576 hsa-miR-617_st	100	-20	-10
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1578 hsa-miR-619_st	100	-40	30
1579 hsa-miR-620_st	-20	30	30
1580 hsa-miR-621_st	-60	70	100
1581 hsa-miR-622_st	0	-40	100
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1585 hsa-miR-625_st	0	0	0
1586 hsa-miR-625-star_st	10	10	100
1587 hsa-miR-626_st	-20	-30	100
1588 hsa-miR-627_st	-30	-40	-60
1589 hsa-miR-628-3p_st	30	0	20
1590 hsa-miR-628-5p_st	100	-40	10
1591 hsa-miR-629_st	0	0	0
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1593 hsa-miR-630_st	30	20	-30
1594 hsa-miR-631_st	80	-40	70
1595 hsa-miR-632_st	-40	-30	-10
1596 hsa-miR-633_st	-20	-40	-70
1597 hsa-miR-634_st	40	0	-30
1598 hsa-miR-635_st	100	-20	-10
1599 hsa-miR-636_st	-30	-60	0

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1602	hsa-miR-639_st	50	-50	0
1603	hsa-miR-640_st	50	30	-40
1604	hsa-miR-641_st	20	-10	10
1605	hsa-miR-642a_st	-60	100	90
1606	hsa-miR-642b_st	-10	-10	-20
1607	hsa-miR-643_st	-60	40	-50
1608	hsa-miR-644_st	-10	-60	-20
1609	hsa-miR-645_st	100	-10	40
1610	hsa-miR-646_st	-60	40	-40
1611	hsa-miR-647_st	-50	-50	-40
1612	hsa-miR-648_st	0	-20	100
1613	hsa-miR-649_st	-20	0	-10
1614	hsa-miR-650_st	0	0	30
1615	hsa-miR-651_st	-10	-20	-30
1616	hsa-miR-652_st	0	10	0
1617	hsa-miR-653_st	90	20	-40
1618	hsa-miR-654-3p_st	10	-40	10
1619	hsa-miR-654-5p_st	-50	-50	100
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1623	hsa-miR-658_st	-30	-40	-20
1624	hsa-miR-659_st	-60	-10	100
1625	hsa-miR-660_st	0	-10	10
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1628	hsa-miR-663_st	-10	-10	-10
1629	hsa-miR-663b_st	-10	10	30
1630	hsa-miR-664_st	10	0	100
1631	hsa-miR-664-star_st	0	0	-10
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1633	hsa-miR-668_st	-30	10	-60
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1636	hsa-miR-671-5p_st	0	10	10
1637	hsa-miR-675_st	-40	10	10
1638	hsa-miR-675-star_st	10	0	-30
1639	hsa-miR-676_st	40	-40	0
1640	hsa-miR-676-star_st	10	100	30
1641	hsa-miR-7_st	40	10	0
1642	hsa-miR-7-1-star_st	70	-20	20
1643	hsa-miR-7-2-star_st	0	-30	60
1644	hsa-miR-708_st	-20	50	40
1645	hsa-miR-708-star_st	10	-40	30
1646	hsa-miR-711_st	-60	-10	10
1647	hsa-miR-718_st	-20	-60	60
1648	hsa-miR-720_st	-20	-20	-20
1649	hsa-miR-744_st	0	10	0

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1681 hsa-miR-891b_st	40	20	-30
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1722 hsa-let-7c_st	0	-10	0
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1732 hsa-let-7i_st	0	0	0
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