Table S3. Detailed mapping of short reads of novel miRNA candidates and hsa-mir-6715a

	sample ID	Sample ID	provisional M	miRDeep5 score	estimated probability that the miRNA candidate is a true positive	ribm short	total read count	mature read count	hsp read count	star read count	significant randfold p-value	miRBase miRNA	sample miRBase miRNA with the same seed	UCSC browser	NCBI blastn	consensus mature sequence	consensus star sequence	consensus precursor sequence	precursor coordinate
hsa-miR-X																			
new12	A01_042513	K_023T	chrY_17662		1.4	0.56 ± 0.23		118	118	0	0 yes			ptr-miR-27a	blast	uuacuuagaggcuaaag cuauu	agugguauccugugug auua	uuacuuagaggcuaaag cuauuagaauccauac aagugguauccugugug gauua	chrY:4474181..44 74230:+
new12	B02_020613	CU_087T	chrY_18286		0.8	0.12 ± 0.14		180	180	0	0 yes			ptr-miR-27a	blast	uuacuuagaggcuaaag cuauu	agugguauccugugug auua	uuacuuagaggcuaaag cuauuagaauccauac aagugguauccugugug gauua	chrY:4474181..44 74230:+
new12	C03_040413	CU_091T	chrY_9666		0.8	0.01 ± 0.04		41	41	0	0 yes			ptr-miR-27a	blast	uuacuuagaggcuaaag cuauu	agugguauccugugug auua	uuacuuagaggcuaaag cuauuagaauccauac aagugguauccugugug gauua	chrY:4474181..44 74230:+
hsa-miR-Y																			
new12	A01_042513	K_023T	chr1_1641		5.7	0.87 ± 0.25		25	16	0	9 no				blast	uuuggaggaacuacuga cuggg	uccagcaacgcaccccu cgcaca	uuuggaggaacuacuga cuggcuaagcacuuga gcaacccacugcaaa cuuggcuaaggaacag	chr1:175937535..1 75937595:-
new12	B02_020613	CU_087T	chr1_1819	1.0e+1	0.92 ± 0.18		35	25	0	10 no					blast	uuuggaggaacuacuga cgaac	uccagcaacgcaccccu cuggg	uuuggaggaacuacuga cuggcuaagcacuuga gcaacccacugcaaa cuuggcuaaggaacag	chr1:175937536..1 75937595:-
new12	C03_040413	CU_091T	chr1_805		0.1	0.01 ± 0.04		14	12	0	2 no				blast	uuuggaggaacuacuga cuggg	uccagcaacgcaccccu cgcu	uuuggaggaacuacuga cuggcuaagcacuuga gcaacccacugcaaa cuuggcuaaggaacag	chr1:175937538..1 75937595:-
new12	D04_020613	CU_089T	chr1_3321	3.3e+1	0.66 ± 0.48		79	57	0	22 no					blast	uuuggaggaacuacuga cuggg	uccagcaacgcaccccu cgaac	uuuggaggaacuacuga cuggcuaagcacuuga gcaacccacugcaaa cuuggcuaaggaacag	chr1:175937536..1 75937595:-
new11	D04	CU_087T	chr1_2909	2.7e+1	0.95 ± 0.15		70	45	0	25 no					blast	uuuguaaagauuccuac cgaac	uuuggaggaacuacuga cuggg	uuuggaggaacuacuga cuggcuaagcacuuga gcaacccacugcaaa cuuggcuaaggaacag	chr1:175937536..1 75937595:-
new11	A01	CU_080N	hr1_2085		7.8	0.83 ± 0.38		29	13	0	16 no				blast	uuuguaaagauuccuac cgaac	uuuggaggaacuacuga cuggg	uuuggaggaacuacuga cuggcuaagcacuuga gcaacccacugcaaa cuuggcuaaggaacag	chr1:175937536..1 75937595:-
new11	C03	CU_087N	chr1_3327		4.7	0.85 ± 0.22		23	8	0	15 no				blast	uuuguaaagauuccuac cgaaca	uuuggaggaacuacuga cuggg	uuuggaggaacuacuga cuggcuaagcacuuga gcaacccacugcaaa cuuggcuaaggaacag	chr1:175937535..1 75937595:-
new10	D04	K_183T	chr1_2081		8.3	0.86 ± 0.35		30	20	0	10 no				blast	uuuggaggaacuacuga cuggg	uccagcaacgcaccccu cgcaac	uuuggaggaacuacuga cuggcuaagcacuuga gcaacccacugcaaa cuuggcuaaggaacag	chr1:175937536..1 75937595:-
new9	A01	K_175N	chr1_993		3.7	0.28 ± 0.45		21	17	0	4 no				blast	uuuggaggaacuacuga cuggg	uccagcaacgcaccccu cgaac	uuuggaggaacuacuga cuggcuaagcacuuga gcaacccacugcaac cuuggcuaaggaacag	chr1:175937536..1 75937595:-
new9	D04	K_177T	chr1_3279	2.0e+1	0.89 ± 0.18		54	41	0	13 no					blast	uuuggaggaacuacuga cuggg	uccagcaacgcaccccu cgaac	uuuggaggaacuacuga cuggcuaagcacuuga gcaacccacugcaac cuuggcuaaggaacag	chr1:175937536..1 75937595:-
new8	E05	K_177T	chr1_3029	1.2e+1	0.94 ± 0.20		39	30	0	9 no					blast	uuuggaggaacuacuga cuggg	uccagcaacgcaccccu cgaacca	uuuggaggaacuacuga cuggcuaagcacuuga gcaacccacugcaaa cuuggcuaaggaacag	chr1:175937535..1 75937595:-
hsa-miR-6715a-5p																			
new12	A01_040413	CU_070T	chr10_1681	1.5e+1	0.57 ± 0.50		37	35	0	2 yes					blast	ccaaacccagcagagcc ugugg	accaggcaccagccuggg cagg	acuaaggccaaacccagcac uggaguccagugg	chr10:114655382.. 114655429:+
new12	B02_020613	CU_087T	chr10_11773	1.5e+1	0.92 ± 0.18		36	34	0	2 yes					blast	ccaaacccagcagagcc ugugg	accaggcaccagccuggg cagcc	acuaaggccaaacccagcac uggaguccagugg	chr10:114655382.. 114655429:+
new12	B02_040413	CU_087T	chr10_13147	2.4e+1	0.89 ± 0.23		46	42	0	4 yes					blast	ccaaacccagcagagcc ugugg	accaggcaccagccuggg cagug	acuaaggccaaacccagcac uggaguccagugg	chr10:114655382.. 114655429:+
new12	B02_042513	CU_070T	chr10_3631	3.5e+1	0.44 ± 0.50		75	74	0	1 yes					blast	ccaaacccagcagagcc ugugg	caaaggcaccagccuggg uuugagc	acuaaggccaaacccagcac gaaggaccugugugg	chr10:114655381.. 114655429:+
new10	A01	K_177N	chr10_4115		1.8	0.03 ± 0.08		13	13	0	0 yes				blast	ccaaacccagcagagcc ugugg	accaggcaccagccuggg cagggca	acuaaggccaaacccagcac gaaggccagugg	chr10:114655382.. 114655429:+
new9	B02	K_175T	chr10_10081	3.8e+1	0.94 ± 0.18		74	73	0	1 yes					blast	ccaaacccagcagagcc ugugg	accaggcaccagccuggg cagcc	acuaaggccaaacccagcac gaaggccagugg	chr10:114655382.. 114655429:+
hsa-miR-Z																			
new10	A01	K_177N	chr17_6186	1.4e+1	0.83 ± 0.25		20	13	0	7 yes				ptr-miR-548a	blast	aaaaacagagaaaaac uuuagc	agaagaaaaaagggga uuuag	uccaggcaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag	chr17:37453673..3 7453731:+
new10	B02	K_177T	chr17_35028	1.6e+1	0.87 ± 0.17		23	21	0	2 yes				ptr-miR-548a	blast	aaaaacagagaaaaac uuuagc	agaagaaaaaagggga uuuag	uccaggcaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag	chr17:37453673..3 7453731:+
new11	B02	CU_083T	chr17_22022		0.5	0.07 ± 0.13		2	2	0	0 yes			ptr-miR-548a	blast	aaaaacagagaaaaac uuuagc	agaagaaaaaagggga uuuag	uccaggcaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag	chr17:37453673..3 7453731:+
new11	D04	CU_087T	chr17_26356	1.0e+1	0.95 ± 0.15		11	8	0	3 yes				ptr-miR-548a	blast	aaaaacagagaaaaac uuuagc	agaagaaaaaagggga uuuag	uccaggcaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag	chr17:37453673..3 7453731:+
new12	A01_020613	CU_087N	chr17_22150		6.7	0.81 ± 0.39		4	3	0	1 yes			ptr-miR-548a	blast	aaaaacagagaaaaac uuuagc	agaagaaaaaagggga uuuag	uccaggcaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag	chr17:37453673..3 7453731:+
new12	B02_020613	CU_087T	chr17_16782		9.3	0.95 ± 0.12		9	5	0	4 yes			ptr-miR-548a	blast	aaaaacagagaaaaac uuuagc	agaagaaaaaagggga uuuagc	uccaggcaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag	chr17:37453673..3 7453731:+
new12	B02_040413	CU_087T	chr17_18016	1.2e+1	0.89 ± 0.23		16	14	0	2 yes				ptr-miR-548a	blast	aaaaacagagaaaaac uuuagc	agaagaaaaaagggga uuuag	uccaggcaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag	chr17:37453673..3 7453731:+
new12	C03_020613	CU_080N	chr17_21916		3.1	0.48 ± 0.30		7	7	0	0 yes			ptr-miR-548a	blast	aaaaacagagaaaaac uuuagc	agaagaaaaaagggga uuuag	uccaggcaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag	chr17:37453673..3 7453731:+
new12	C03_040413	CU_091T	chr17_8792		6.2	0.76 ± 0.43		3	2	0	1 yes			ptr-miR-548a	blast	aaaaacagagaaaaac uuuagc	agaagaaaaaagggga uuuag	uccaggcaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag	chr17:37453673..3 7453731:+
new12	D04_042513	O_086T	chr17_6628	1.6e+1	0.84 ± 0.21		23	20	0	3 yes				ptr-miR-548a	blast	aaaaacagagaaaaac uuuagc	agaagaaaaaagggga uuuagcc	uccaggcaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag	chr17:37453673..3 7453731:+
new12	E05	O_080T	chr17_21844		0.5	0.02 ± 0.06		2	2	0	0 yes			ptr-miR-548a	blast	aaaaacagagaaaaac uuuagc	agaagaaaaaagggga uuuag	uccaggcaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag	chr17:37453673..3 7453731:+
new8	D04	K_177N	chr17_20142		0	0.23 ± 0.18		1	1	0	0 yes			ptr-miR-548a	blast	aaaaacagagaaaaac uuuagc	agaagaaaaaagggga uuuag	uccaggcaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag	chr17:37453673..3 7453731:+
new9	C03	K_177N	chr17_33386		8.3	0.92 ± 0.16		7	4	0	3 yes			ptr-miR-548a	blast	aaaaacagagaaaaac uuuagc	agaagaaaaaagggga uuuag	uccaggcaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag	chr17:37453673..3 7453731:+
new9	D04	K_177T	chr17_28472	1.6e+1	0.89 ± 0.18		23	22	0	1 yes				ptr-miR-548a	blast	aaaaacagagaaaaac uuuagc	agaagaaaaaagggga uuuag	uccaggcaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag agaaaaaaaagggga uuuagcccaaaaaacag	chr17:37453673..3 7453731:+
hsa-miR-W																			
new10	A01	K_177N	chr2_850		0.8	0 +/- 0%	-	2	2	0	0 yes	-	ptr-miR-128d	-	-	uguagaggguaguccaup	aggcuuagcaccccucau	uguagaggguaguccaug	chr2:131191304..131191365:+
new10	B02	K_177T	chr2_5330		1.9	79 +/- 8%	-	4	4	0	0 yes	-	ptr-miR-128d	-	-	uguagaggguaguccaup	aggcuuagcaccccucau	uguagaggguaguccaug	chr2:131191304..131191365:+
new10	D04	K_183T	chr2_2834		0.3	15 +/- 16%	-	1	1	0	0 yes	-	ptr-miR-128d	-	-	uguagaggguaguccaup	aggcuuagcaccccucau	uguagaggguaguccaug	chr2:131191304..131191365:+
new11	A01	CU_080N	chr2_3616		0.8	33 +/- 17%	-	2	2	0	0 yes	-	ptr-miR-128d	-	-	uguagaggguaguccaup	aggcuuagcaccccucau	uguagaggguaguccaug	chr2:131191304..131191365:+
new12	A01_020613	CU_087N	chr2_3052		0.8	0 +/- 0%	-	2	2	0	0 yes	-	ptr-miR-128d	-	-	uguagaggguaguccaup	aggcuuagcaccccucau	uguagaggguaguccaug	chr2:131191304..131191365:+
new12	C03_020613	CU_080N	chr2_3020		0.3	10 +/- 13%	-	1	1	0	0 yes	-	ptr-miR-128d	-	-	uguagaggguaguccaup	aggcuuagcaccccucau	uguagaggguaguccaug	chr2:131191304..131191365:+
new12	D04_020613	CU_089T	chr2_4452		0.9	8 +/- 12%	-	2	2	0	0 yes	-	ptr-miR-128d	-	-	uguagaggguaguccaup	aggcuuagcaccccucau	uguagaggguaguccaug	chr2:131191304..131191365:+
new12	D04_042513	O_086T	chr2_749		5.8	83 +/- 15%	-	14	14	0	0 yes	-	ptr-miR-128d	-	-	uguagaggguaguccaup	aggcuuagcaccccucau	uguagaggguaguccaug	chr2:131191304..131191365:+
new12	E05	O_089T	chr2_3296		0.8	2 +/- 0%	-	2	2	0	0 yes	-	ptr-miR-128d	-	-	uguagaggguaguccaup	aggcuuagcaccccucau	uguagaggguaguccaug	chr2:131191304..131191365:+