Supp. File 1

Prost!

Sequence	Seed	Loc_id	Seed_	Anno_idx	Locations	CIGARs_5pto3p	Designations	BinStarter	synthetic_sample	synthetic_sample_	hsa_miRNA	other_species_	hsa_miRNA_re	other_species_	hsa_hairpin	other_species_	other_ncRNA	ncRNA_biotyp
AGGTAGTA	GGTAGTA	gl2	s1	a1	11:122146	20=;20=;20=	1	AGGTAGTA	432	76177.04109	hsa-let-7a-5p	aca-let-7a-5p,bbe	let-7a-5p,bfl	let-7a-5p,bta-l	hsa-let-7a-1,hsa	aca-let-7a,bbe-	MIRLET7A1,MI	miRNA,miRNA
AGGTAGTA	GGTAGTA	gl2	s1	a1	11:122146	19=;19=;19=	2	AGGTAGTA	5	881.6787163	hsa-let-7a-5p	aca-let-7a-5p,bbe	let-7a-5p,bfl	let-7a-5p,bta-l	hsa-let-7a-1,hsa	aca-let-7a,bbe-	MIRLET7A1,MI	miRNA,miRNA
AGGTAGTA	GGTAGTA	gl2	s1	a1	11:122146	21=;21=;21=	2	AGGTAGTA	426	75119.02663					hsa-let-7a-1,hsa	aca-let-7a,bta-l	MIRLET7A1,MI	miRNA,miRNA
GAGGTAGT	AGGTAGT	gl2	s4	a1	11:122146	20=;20=;20=	2	AGGTAGTA	3	529.0072298	hsa-let-7a-5p	aca-let-7a-5p,bbe	let-7a-5p,bfl	let-7a-5p,bta-l	hsa-let-7a-1,hsa	aca-let-7a,bbe-	MIRLET7A1,MI	miRNA,miRNA
GAGGTAGT	AGGTAGT	gl2	s4	a1	11:122146	21=;21=;21=	2	AGGTAGTA	15	2645.036149	hsa-let-7a-5p	aca-let-7a-5p,bbe	let-7a-5p,bfl	let-7a-5p,bta-l	hsa-let-7a-1,hsa	aca-let-7a,bbe-	MIRLET7A1,MI	miRNA,miRNA
GGTAGTAG	GTAGTAG	gl2	s5	a1	11:122146	19=;19=;19=	2	AGGTAGTA	7	1234.350203	hsa-let-7a-5p	aca-let-7a-5p,bbe	let-7a-5p,bfl	let-7a-5p,bta-l	hsa-let-7a-1,hsa	aca-let-7a,bbe-	MIRLET7A1,MI	miRNA,miRNA
GGTAGTAG	GTAGTAG	gl2	s5	a1	11:122146	20=;20=;20=	2	AGGTAGTA	20	3526.714865					hsa-let-7a-1,hsa	aca-let-7a,bta-l	MIRLET7A1,MI	miRNA,miRNA

isomiR-SEA

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chr15   miRBase21       isomiR  107888301       107888322       19      +       .       TI=6;TS=AUGAGGUAGUAGGUUGUAUAGU;TC=11;PIN=hsa-let-7a-1 MI0000060 Homo sapiens
let-7a-1 stem-loop;CI=I21MD;MIN=hsa-let-7a-5p MIMAT0000062 Homo sapiens let-7a-5p;ISO=FT1FF-1F;INT=FTTTT;FILTER=Pass
chr15   miRBase21       isomiR  107888301       107888322       19      +       .       TI=6;TS=AUGAGGUAGUAGGUUGUAUAGU;TC=11;PIN=hsa-let-7a-2 MI0000061 Homo sapiens
let-7a-2 stem-loop;CI=I21MD;MIN=hsa-let-7a-5p MIMAT0000062 Homo sapiens let-7a-5p;ISO=FF1FF-1F;INT=FTTTT;FILTER=Pass
chr15   miRBase21       isomiR  107888301       107888322       19      +       .       TI=6;TS=AUGAGGUAGUAGGUUGUAUAGU;TC=11;PIN=hsa-let-7a-3 MI0000062 Homo sapiens
let-7a-3 stem-loop;CI=I21MD;MIN=hsa-let-7a-5p MIMAT0000062 Homo sapiens let-7a-5p;ISO=FF1FF-1F;INT=FTTTT;FILTER=Pass
```

seqbuster

seq	name	freq	mir	start	end	mism	add	t5	t3	s5	s3	DB	precursor		ambiguity				
GAGGTAGTAGGTTGTATAGTT	name10_x15	15	hsa-let-7a-5p		5	25	0	0	t	0	GAG	AGTTTGGG		miRNA	hsa-let-7a-3	1			
GGTAGTAGGTTGTATAGTTT	name11_x20	20	hsa-let-7a-5p		7	26	0	0	tga	T	GAG	AGTTTGGG		miRNA	hsa-let-7a-3	1			
GGTAGTAGGTTGTATAGTTTT	name12_x11	11	hsa-let-7a-5p		7	26	0	T	tga	T	GAG	AGTTTGGG		miRNA	hsa-let-7a-3	1			
GGTAGTAGGTTGTATAGT	name13_x1	1	hsa-let-7a-5p		7	24	0	0	tga	t	GAG	AGTTTGGG		miRNA	hsa-let-7a-3	1			
GGTAGTAGGTTGTATAGTT	name14_x7	7	hsa-let-7a-5p		7	25	0	0	tga	0	GAG	AGTTTGGG		miRNA	hsa-let-7a-3	1			

sRNAbench

sequence	matureName	hairpinName	isoLabel	sequenceVariant	readCount	RPMlib	RPMtotal		
ATGAGGTAGTAGGTTGTATAGTTTTT	hsa-let-7a-5p	hsa-let-7a-1	nta#T|nta#T#1@lv5p|lv5pE|lv5p#1	-	66	11346.054667354307	11346.054667354307		
GAGGTAGTAGGTTGTATAGTTTTTAA	hsa-let-7a-5p	hsa-let-7a-2	lv5p|lv5pT|lv5p#-1@lv3p|lv3pE|lv3p#5	-	50	8595.4959601169	8595.4959601169		
ATGAGGTAGTAGGTTGTATAGT	hsa-let-7a-5p	hsa-let-7a-1	lv5p|lv5pE|lv5p#1@lv3p|lv3pT|lv3p#-1	-	11	1891.0091112257178	1891.0091112257178		
GAGGTAGTGGGTTGTATAGTT	hsa-let-7a-5p	hsa-let-7a-1$hsa-let-7a-2$hsa-let-7a-3	lv5p|lv5pT|lv5p#-1@lvNucVar		8:A>G	45	7735.946364105209	7735.946364105209	
ATGAGGTAGTAGGTTGTATAGTAA	hsa-let-7a-5p	hsa-let-7a-1	nta#A|nta#A#2@lv5p|lv5pE|lv5p#1	-	35	6016.847172081829	6016.847172081829		