

Fig.1

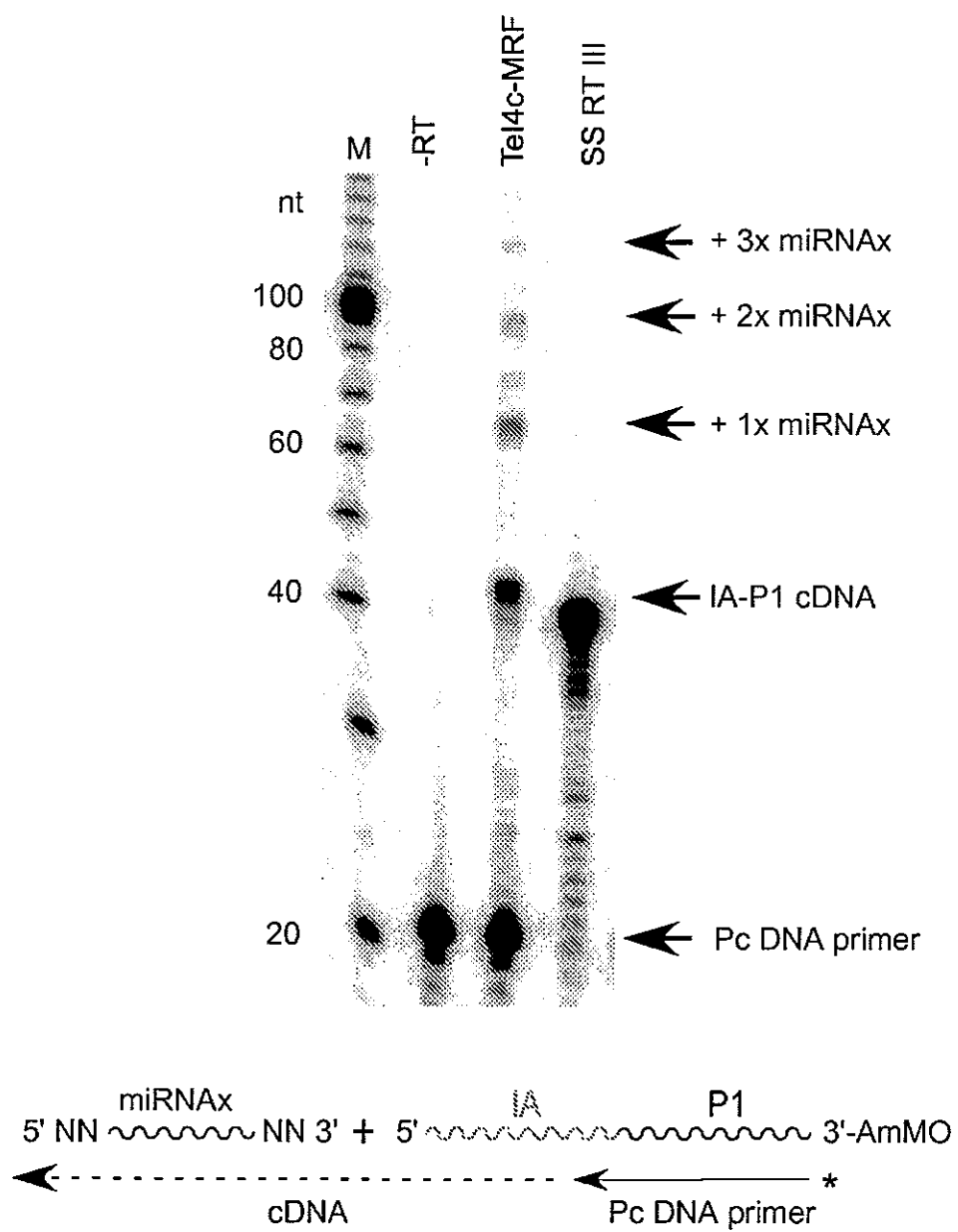
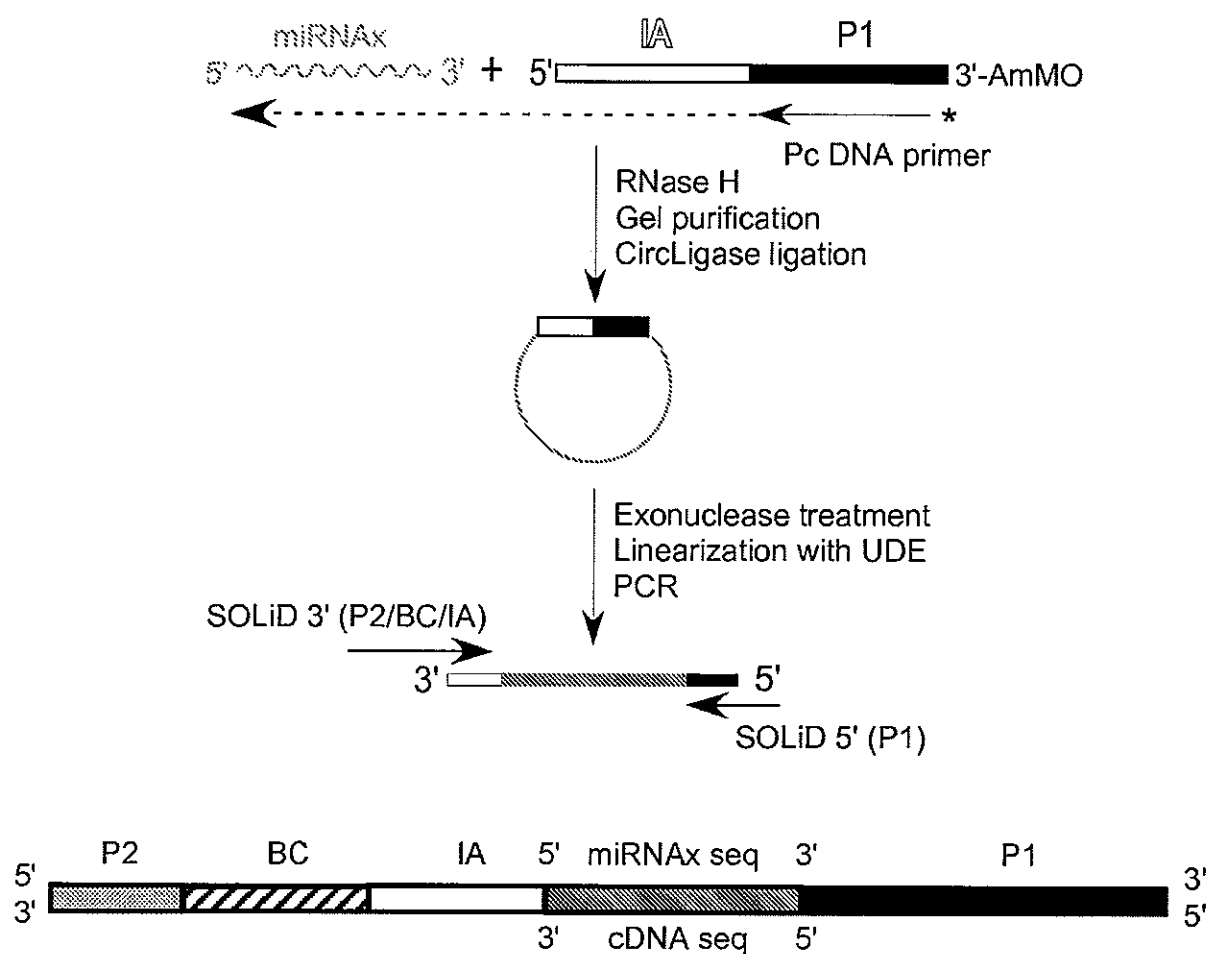


Fig. 2



IA-P1 RNA/Pc DNA template/primer

IA P1
5' CGCCUUGGCCGUACAGCAGCCUCUCUAUGGGCAGUCGGUGAU 3'-AmMO
3' ATGTCGUCGGAGAGATACCCGTCAGCCACTA 5'
Pc DNA primer

SOLiD 5' Primer (P1)

5' CCACTACGCCTCCGCTTTCTCTCTATGGGCAGTCGGTGAT 3'

SOLiD 3' Primer with barcode (X's; P2/BC/IA)

5' CTGCCCCGGGTTCTCATTCTCTXXXXXXXXXXCTGCTGTACGGCCAAGGCG 3'
P2 BC IA

Fig.3

	miRNAx			IA-P1 RNA	
RNA	5'	<u>NNCGCUUCAGAGAGAAUCNN</u>	3'	5'	CGCCUUGGCCGUACA..GUGAU 3'-AmMO
cDNA	3'	<u>NNGCGAAGTCTCTCTTTAGNN</u>	5'		3' ATGT..CACTA 5'
					Pc DNA primer

	cDNA	IA-P1
	GAAGTCTCTCTTTA	GCGGAA.. 5'
	GAAGTCTCTCTTTAGTAGCGGAA..	
	TCGCGAAGTCTCgaTcGTCCGGCGGAA..	
	TCGCGAAGTCTCTCTTTAGCGCGGAA..	
	TCGCGAAGTCTCTCTTTAGAAGCGGAA..	
	aCCGCGAAGTCTCTCTTTAGGCGCGGAA..	
	aCGGCGAAGTCTCTCTTTAGTAGCGGAA..	
	gGTGCGAAGTCTCTCTTTAGCGGCGGAA..	
	aGGattgtGTCTCTCTTTAGTAGCGGAA..	
	aACGGCGAAGTCTCTCTTTAGCGCGGAA..	
	agTGGCGAAGTCTCTCTTTAGTAGCGGAA..	
	agTNGCGAAGTCTCTCTTTAGGAGCGGAA..	
	agTCGCGAAGTCTCTCTTTAGTAGCGGAA..	
	aaCAGCGAAGTCTCTCTTTAGGCGCGGAA..	
	aaCAGCGAAGTCTCTCTTTAGGCGCGGAA..	
	agGTGCGAAGTCTCTCTTTAGTGGCGGAA..	
	caGAGCGAAGTCTaTCTTTAGCAGCGGAA..	
	aaCCGCGAAGTCTCTCTTTAGAGGCGGAA..	
	gaaCCGCGAAGTCTCTCTTTAGTCGCGGAA..	
	gaaCTGCGAAGTCTCTCTTTAGAAGCGGAA..	
	agaCCGCGAAGTCTCTCTTTAGGCGCGGAA..	
	taggaCCGCGAAGTCTCTCTTTAGTAGCGGAA..	
	aaactccccaaACGCGAANTNNNTNTTTAGTGGCGGAA..	
	actcccccaaCCGCGAAGTCTCTCTTTAGTCGCGGAA..	
	gtacttgcaggacgaCCGCGAAGTCTCTCTTTAGCAGCGGAA..	

Fig. 4A

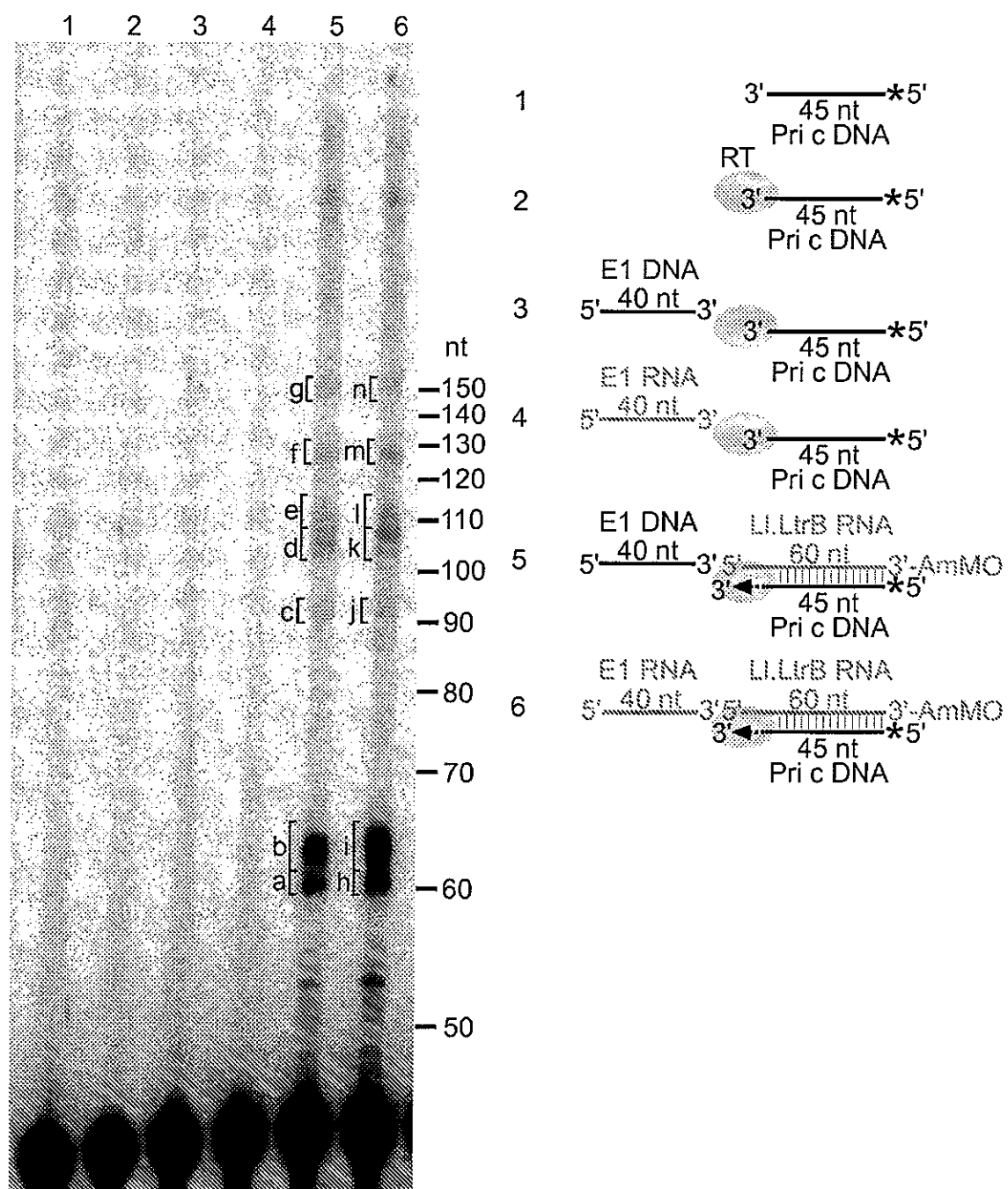


Fig. 4B

		-40 Exon 1 DNA -1	1 L1.LtrB 60		
	5'	TGTG...TAAC	GUGCGCCCAGAUAGG- 45 nt	3'	Freq.
	3'	ACAC...ATTG	CACGCGGGTCTATCC	* 5'	
		DNA product	cDNA	Primer c DNA	
<u>Band a</u>			3' -ACGCGGGTCTATCC	* 5'	1
			3' CACGCGGGTCTATCC	* 5'	9
<u>Band b</u>	3' aa		CACGCGGGTCTATCC	* 5'	2
	3' aaa		CACGCGGGTCTATCC	* 5'	3
<u>Band c</u>	3' aaa	ACAC...ATTG	-----CC	* 5'	1
<u>Band d</u>	3'	-30 TaG...ATTG -1	aa CACGCGGGTCTATCC	* 5'	1
	3'a	-35 AAC...ATTG -1	CACGCGGGTCTATCC	* 5'	1
<u>Band e</u>	3'	ACAC...ATTG	CACGCGGGTCTATCC	* 5'	1
	3'a	ACAC...ATTG	CACGCGGGTCTATCC	* 5'	1
	3'c	ACAC...ATTG	CACGCGGGTCTATCC	* 5'	1
	3'aa	ACAC...ATTG	CACGCGGGTCTATCC	* 5'	1
	3'a	ACAC...ATTG	a CACGCGGGTCTATCC	* 5'	1
	3'aaa	ACAC...ATTG	a CACGCGGGTCTATCC	* 5'	2
	3'aa	ACAC...ATTG	aa CACGCGGGTCTATCC	* 5'	2
	3'aaaa	ACAC...ATTG	CACGCGGGTCTATCC	* 5'	1
	3'aaa	ACAC...ATTG	CACGCGGGTCTATCC	* 5'	2

Fig. 4C

	-40 Exon 1 RNA -1	1 L1.LtrB 60		
5'	UGUG...UAAC	GUGCGCCCCAGAUAGG- 45 nt	3'	Freq.
3'	ACAC...ATTG	CACGCGGGTCTATCC	* 5'	
	cDNA	cDNA	Primer c DNA	
Band h		3' CACGCGGGTCTATCC	— * 5'	9
		3' CACGCGGGTCTATCt	— * 5'	1
Band i		3'aa CACGCGGGTCTATCC	— * 5'	3
		3'ta CACGCGGGTCTATCC	— * 5'	1
		3'aaa CACGCGGGTCTATCC	— * 5'	6
		3'aga CACGCGGGTCTATCC	— * 5'	1
		3'aaaa CACtCGGGTCTATCC	— * 5'	1
Band j		3'a -17 CAC...ATTG -1 aa CACGCGGGTCTATCC	— * 5'	1
		3' -26 TGC...ATTG -1 CACGCGGGTCTATCC	— * 5'	2
		3' -26 TGC...ATT -2 a CACGCGGGTCTATCC	— * 5'	3
		3' -26 TGC...ATTG -1 a CACGCGGGTCTATCC	— * 5'	2
		3' -26 TGC...ATT -2 ag CACGCGGGTCTATCC	— * 5'	1
		3' -30 TGG...ATT -2 c CACGCGGGTCTATCC	— * 5'	1
Band k		3'a -36 TAA...ATT -2 CACGCGGGTCTATCC	— * 5'	1
		3'ta -35 AaC...ATT -2 CACGCGGGTCTATCC	— * 5'	1
		3'ta -40 ACAC...ATT -2 CACGCGGGTCTATCC	— * 5'	1
Band l		3'gaa -40 ACAC...ATT -2 a CACGCGGGTCTATCC	— * 5'	1
		3'aa ACAC...ATTG aa CACGCGaGTCTATCC	— * 5'	1

Fig. 5A

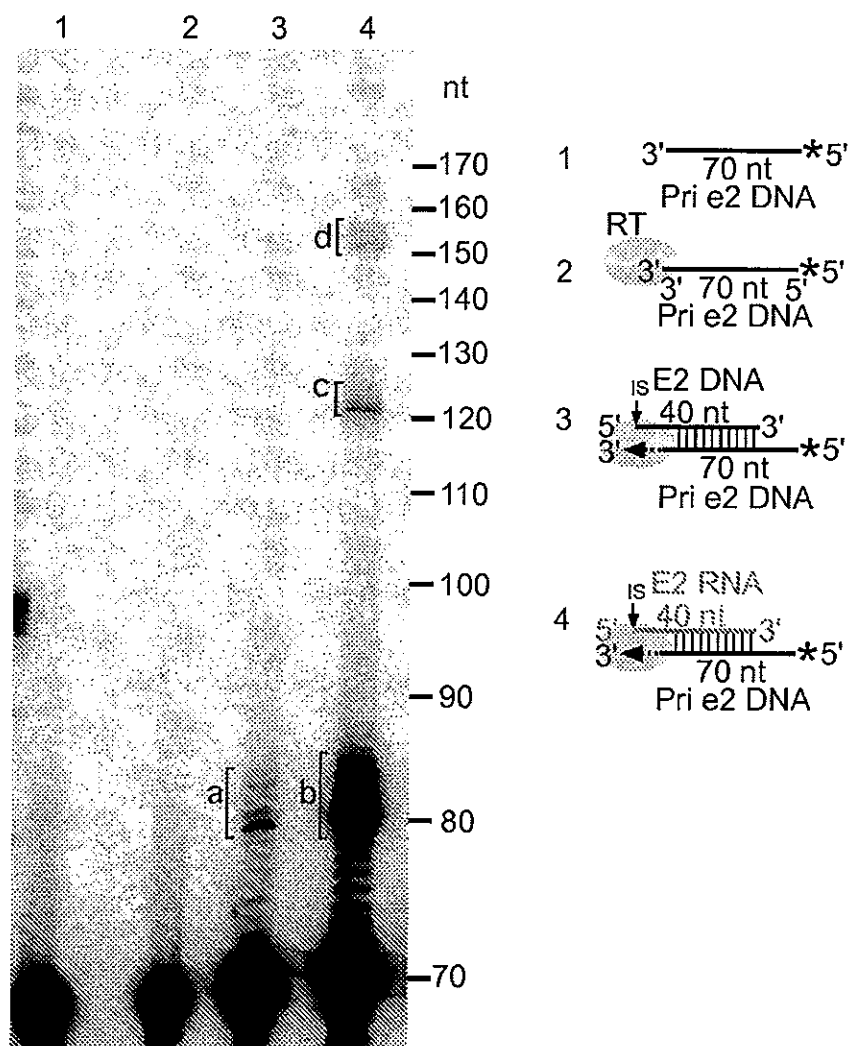


Fig. 5B



Fig. 6

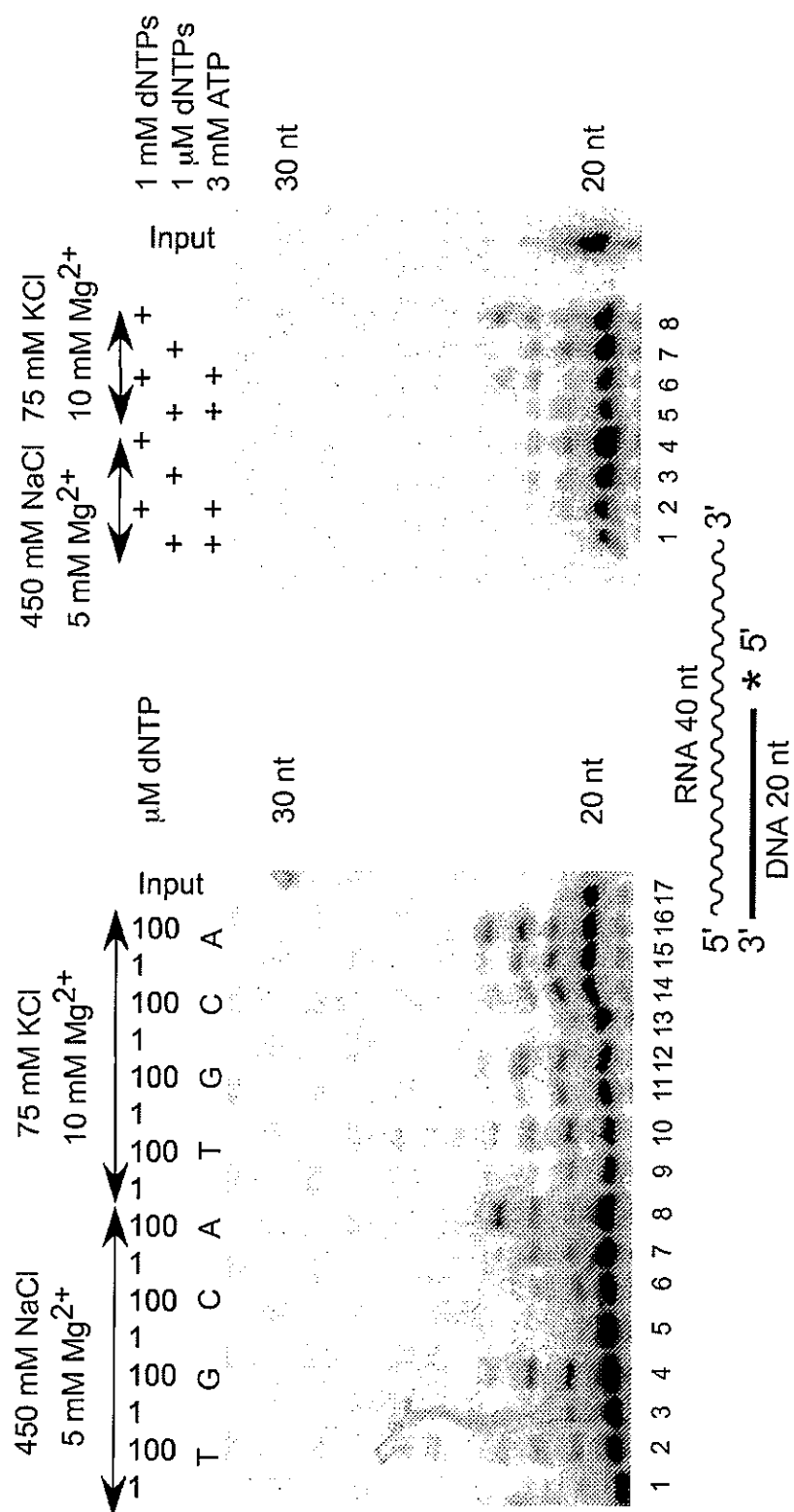


Fig. 7

miRNAx		IA-P1 RNA	
5' <u>NNCGCUUCAGAGAGAAAUCNN</u> 3'		5' CGCCUUGGCCGUACA..GUGAU 3' AmMO	
3' <u>NNGCGAAGTCTCTCTTTAGNN</u> 5'		3' ATGT..CACTA 5'	
		Pc DNA primer	
		<u>Reads</u>	
<u>TCGCGAAGTCTCTCTTTAGGA</u>		11794	
<u>TCGCGAAGTCTCTCTTTAGCA</u>		10235	
<u>CCGCGAAGTCTCTCTTTAGGA</u>		7929	
<u>TCGCGAAGTCTCTCTTTAGAA</u>		6468	
<u>CCGCGAAGTCTCTCTTTAGCA</u>		6134	
<u>TCGCGAAGTCTCTCTTTAGTA</u>		6111	
<u>ACGCGAAGTCTCTCTTTAGGA</u>		5795	
<u>TAGCGAAGTCTCTCTTTAGCA</u>		5040	
<u>ATGCGAAGTCTCTCTTTAGCA</u>		4884	
<u>TTGCGAAGTCTCTCTTTAGCA</u>		4831	
<u>CCGCGAAGTCTCTCTTTAGTA</u>		4682	
<u>CTGCGAAGTCTCTCTTTAGGA</u>		3943	
<u>TTGCGAAGTCTCTCTTTAGGA</u>		3928	
<u>ACGCGAAGTCTCTCTTTAGTA</u>		3632	
<u>CAGCGAAGTCTCTCTTTAGGA</u>		3546	
a <u>CCGCGAAGTCTCTCTTTAGGA</u>		5213	
a <u>CCGCGAAGTCTCTCTTTAGCA</u>		4788	
a <u>CCGCGAAGTCTCTCTTTAGTA</u>		4590	
a <u>CAGCGAAGTCTCTCTTTAGTA</u>		4272	
a <u>CAGCGAAGTCTCTCTTTAGGA</u>		3457	

Fig. 8

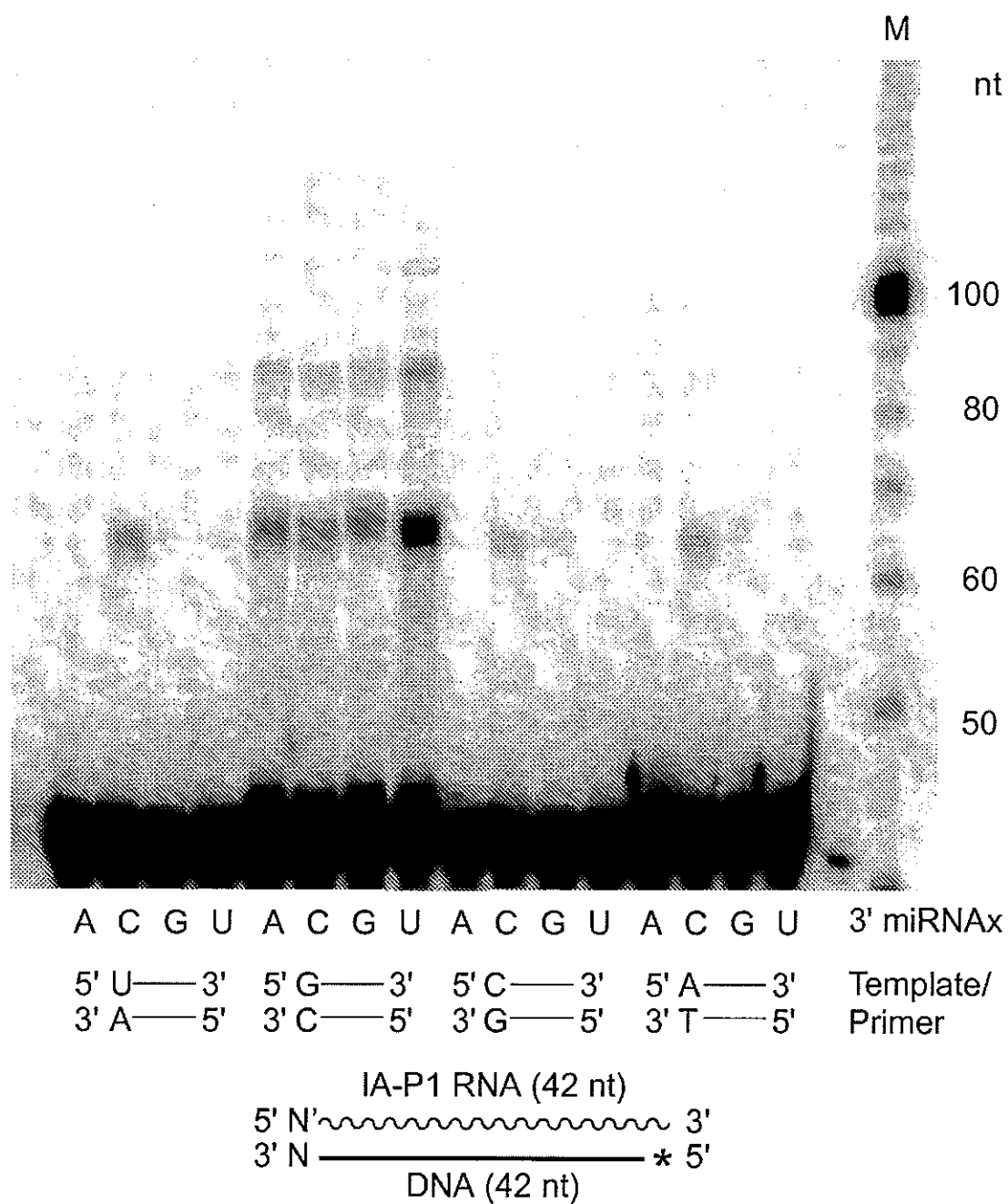


Fig. 9

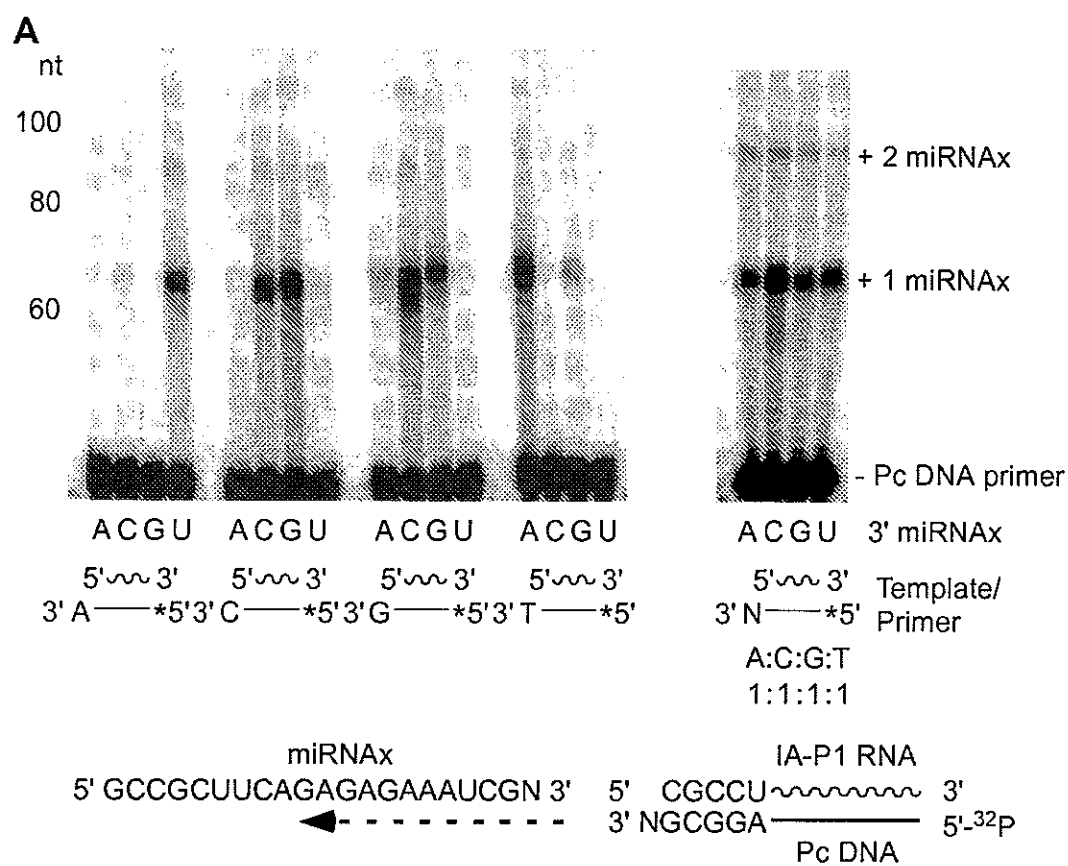
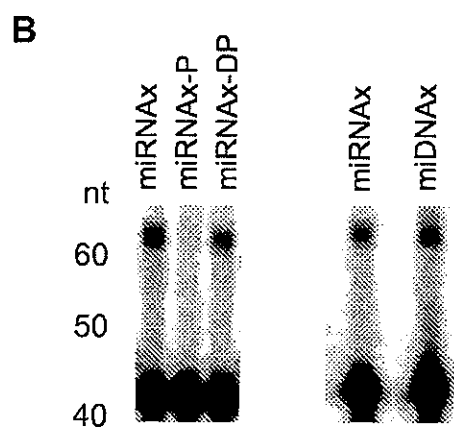


Fig.10

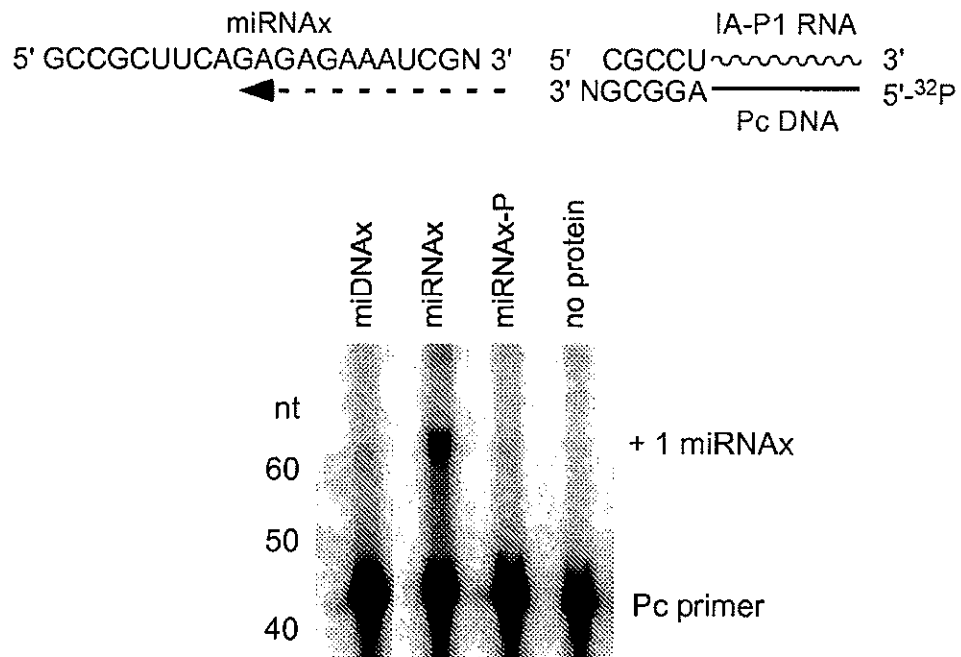


Fig.11

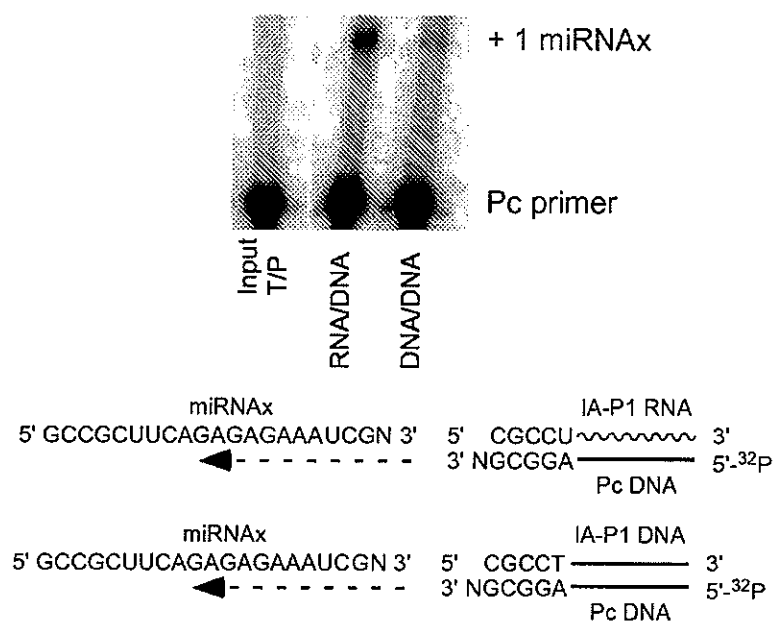


Fig.12

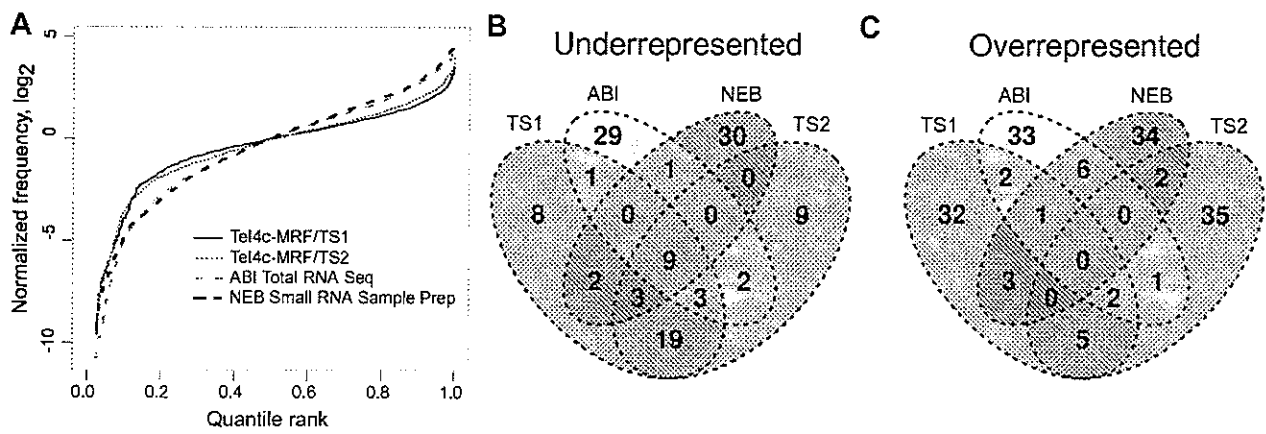


Fig.13

