

**SUPPLEMENTARY TABLE 1.**

RNA species	Number of clones						total
	miRNAs	rRNAs	tRNAs	snRNAs	mRNAs	unknown	
Heart	104	16	2	0	0	55	177
Lung	136	23	0	0	4	47	210
Liver	115	24	2	0	1	26	168
Spleen	42	83	4	1	0	91	221
Small Intestine	9	42	2	2	8	69	132
Colon	24	72	2	4	2	77	181
Kidney	96	69	2	0	1	34	202
Skin	100	71	8	10	21	72	282
Testis	34	35	1	2	2	42	116
Ovary	36	67	2	0	11	110	226
Thymus	22	63	2	1	15	76	179
Spinal cord	10	17	0	0	0	18	45
Cortex	101	11	2	0	0	20	134
Cerebellum	87	7	3	0	2	13	112
Midbrain	93	13	0	0	2	21	129
Eye	78	39	11	0	0	8	114
Saos-2	76	180	3	15	0	58	332
HeLa	110	39	2	8	0	64	223
total	1273	871	48	43	69	901	3183

Distribution of approximately 21-nt RNAs cloned from mouse tissues and the human Saos-2 and HeLa cell lines.