

## Supplementary information

### Figure legends

#### **Supplementary Figure 1: Subcellular localization of box C/D snoRNA-like miRNA precursors**

Northern blots of HeLa cell extracts fractionated into cytoplasmic, nucleoplasmic and nucleolar fractions were probed for the presence of let-7g and mir-28 encoding molecules. In all panels, bands labeled with 'a' represent the expected size of the predicted snoRNAs, those labeled with 'b' represent the expected size for the miRNA hairpins and 'c' represents the expected size of the mature miRNA.

**Supplementary Table 1: Human micro RNAs showing features  
of Box C/D snoRNAs in their flanking regions**

miRNA	Number of hits*	Box C score (best hit)	Box D' score (best hit)	Box D score (best hit)	Total score of best hit	Antise nse 5S	Antise nse 18S	Antise nse 28S	Boxes in predicted miRNA hairpin from Genome Browser
mir-1201	233	6	14	4	24	.	.	.	CD'D
mir-618	20	6	13	4	23	.	.	.	D'D
mir-27b	20	5	14	4	23		.	.	D'D
mir-500	32	5	13	4	22		.	.	D'D
mir-1272	15	6	13	3	22	.	.		CD'D
mir-449a	12	6	13	3	22		.	.	CD'D
mir-765	7	6	12	4	22		.	.	CD'D
mir-582	13	5	13	4	22		.	.	CD'D
mir-1288	45	5	13	4	22		.	.	CD'D
mir-1259	13	6	12	4	22		.	.	CD'D
mir-28	41	5	13	4	22		.	.	D'D
mir-1294	8	5	13	4	22		.	.	CD'D
mir-504	5	5	14	3	22		.	.	D'D
mir-621	10	5	14	3	22		.	.	CD'D
mir-423	5	5	13	4	22		.	.	CD'D
mir-608	1	5	14	3	22		.		D
mir-95	3	5	12	4	21		.		CD'
mir-153-2	2	5	12	4	21		.		CD'
mir-181b-2	2	5	12	4	21		.	.	CD'D
mir-208a	3	5	12	4	21		.	.	CD'
mir-340	3	5	13	3	21			.	CD'D
mir-491	2	5	13	3	21			.	D'D
mir-1200	10	5	12	4	21		.		D'D
mir-1205	9	5	12	4	21		.	.	D'
mir-1256	4	5	12	4	21		.	.	CD or CD'
mir-31	4	5	12	4	21		.	.	D'D
mir-191	5	5	13	3	21		.	.	D'D
mir-577	8	5	13	3	21		.	.	CD'D
mir-105-2	19	6	12	3	21		.	.	D'D
mir-1284	2	5	12	4	21			.	CD'D
mir-554	34	6	12	3	21		.	.	D'D
mir-874	10	5	13	3	21		.	.	D'D
mir-30c-1	3	5	12	4	21		.	.	D'
mir-29a	9	5	12	4	21		.	.	D'
mir-553	6	5	12	4	21		.	.	D'D
mir-151	4	5	12	4	21			.	D'D
mir-924	3	5	12	4	21		.	.	D'D
mir-1266	7	5	12	4	21		.	.	D'D
mir-592	4	6	12	3	21			.	CD'D
mir-486	10	5	13	3	21		.	.	D

mir-625	11	5	12	4	21		.	.	CD'
mir-216a	1	5	13	3	21		.		D'D
mir-421	2	5	13	3	21		.		CD'
mir-1278	3	5	12	4	21	.	.	.	D'D
mir-211	4	5	12	4	21			.	D'D
mir-1251	12	5	12	4	21		.	.	D'D
mir-567	3	6	12	3	21		.	.	D'D
mir-452	2	5	12	4	21		.	.	D'D
mir-628	1	5	12	4	21			.	CD'D
mir-383	4	5	13	3	21		.		D
mir-374a	1	5	12	4	21			.	D
mir-1248	14	5	13	3	21			.	D
mir-18a	4	5	13	3	21		.		D
mir-101-2	3	5	12	4	21		.	.	D'D
mir-25	2	5	12	4	21		.	.	CD'D
mir-591	2	6	12	3	21		.		D
let-7g	18	5	13	3	21		.	.	D'D
mir-653	2	5	12	4	21			.	D
mir-142	6	5	13	3	21			.	D
mir-204	2	5	12	4	21	.	.		D'D
mir-590	2	5	12	4	21		.		D'D
mir-218-1	2	5	13	3	21			.	CD'D
mir-7-3	4	5	12	4	21			.	D'D
mir-16-1	3	5	12	4	21			.	D
mir-26b	2	5	13	3	21			.	D
mir-181a-2	4	5	12	4	21			.	CD'D
mir-216b	6	5	12	4	21		.	.	D'D
mir-324	1	5	13	3	21		.		D
mir-335	4	5	12	4	21	.	.	.	D
mir-489	4	6	12	3	21		.	.	D'D
mir-548f-1	1	5	12	4	21		.		D'D
mir-548j	3	5	12	4	21		.	.	D'D
mir-598	14	6	12	3	21		.	.	CD'D
mir-648	2	5	12	4	21			.	CD'
let-7c	2	5		13	18			.	D
mir-29b-1	2	5		13	18			.	-
mir-220c	1	5		13	18		.		D
mir-545	1	5		13	18			.	C
mir-548b	1	5		13	18			.	D
mir-548n	1	6		12	18		.		D
mir-579	4	5	-	13	18		.	.	C
mir-601	1	5		13	18			.	D
mir-644	2	5		13	18			.	D
mir-1250	1	5		13	18			.	D

\*Hits represent different arrangements of snoRNA characteristics around a given miRNA. Hits are considered distinct if there is a difference of

positioning of at least one of boxes C, D or D' and/or a different position of the rRNA target sequence.

# Supplementary Fig. 1

