

Compilation of small RNA sequences

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This is an update containing small RNA sequences published during 1990. Approximately two hundred small RNA sequences are available in this and earlier compilations. The hard copy print out of this set will be available directly from us (inquiries should be addressed to R. Reddy). These files will be available on GenBank computer in the near future. Sequences from various sources covered in earlier compilations (see Reddy, R. Nucl. Acids Res. 16:r71; and Reddy, R. and Gupta, S. Nucl. Acids Res. 1990 Supplement, 18:2231) are not included in this update but are listed below. Supported by GM-38320.

U1 RNA: Human; Mouse; Rat; Chicken; Frog (*Xenopus laevis*); Fruit fly (*Drosophila melanogaster*); Nematode (*Caenorhabditis elegans*); Slime mold (*Physarum polycephalum*); bean (*Phaseolus vulgaris*); Soybean (*Glycine max*); yeast (*Saccharomyces cerevisiae*); Tomato (*Lycopersicon esculentum*); Algae (*Chlorella saccharophila*).

U2 RNA: Human; Mouse; Rat; Chicken; Frog (*Xenopus laevis*); Fruit fly (*Drosophila melanogaster*); Nematode (*Caenorhabditis elegans*); Slime mold (*Physarum polycephalum*); Amoeba (*Dictyostelium discoideum*); trypanosome (*Trypanosoma brucei*); yeast (*Saccharomyces cerevisiae*); Yeast (*Schizosaccharomyces pombe*); Broad bean (*Vicia faba*); maize (*Zea mays*); Pea (*Pisum sativum*); Crucifer (*Arabidopsis thaliana*).

U3 RNA: Human; Mouse; Rat; Frog (*Xenopus laevis*); Fruit fly (*Drosophila melanogaster*); Amoeba (*Dictyostelium discoideum*); yeast (*Saccharomyces cerevisiae*); Yeast (*Schizosaccharomyces pombe*).

U4 RNA: Human; Mouse; Rat; Chicken; Frog (*Xenopus laevis*); Fruit fly (*Drosophila melanogaster*); Slime mold (*Physarum polycephalum*); yeast (*Saccharomyces cerevisiae*); Nematode (*Caenorhabditis elegans*); Trypanosome (*Trypanosoma brucei*); Broad bean (*Vicia faba*).

U5 RNA: Human; Mouse; Rat; Chicken; Frog (*Xenopus laevis*); Fruit fly (*Drosophila melanogaster*); Nematode (*Caenorhabditis elegans*); Dinoflagellates (*Cryptosporidium cohnii*); Amoeba

(*Tetrahymena*); Pea (*Pisum sativum*); yeast (*Saccharomyces cerevisiae*); Yeast (*Schizosaccharomyces pombe*); Crucifer (*Arabidopsis thaliana*).

U6 RNA: Human; Mouse; Rat; Frog (*Xenopus borealis*); Fruit fly (*Drosophila melanogaster*); Nematode (*Caenorhabditis elegans*); Slime mold (*Physarum micoplasmoidia*); Trypanosome (*Trypanosoma brucei*); yeast (*Saccharomyces cerevisiae*); Yeast (*Schizosaccharomyces pombe*); Broad bean (*Vicia faba*).

U7 RNA: Human; Mouse; Sea urchin (*Psammechinus miliaris*).

U8 RNA: Human, Mouse, Rat. **U11, U12, U13 RNAs:** Human. **7SK RNA:** Human, Rat.

SNR 3, SNR5, SNR 8, SNR 9, SNR 128, SNR 190, SCR1: yeast (*Saccharomyces cerevisiae*).

SRP (7SL) RNA: Human, Mouse, Rat, Frog (*Xenopus laevis*); Fruit fly (*Drosophila melanogaster*); Yeast (*Schizosaccharomyces pombe* and *yarrowia*); Wheat (*Triticum sp.*); maize (*Zea mays*); Bacteria (*Halobacterium halobium*).

RNaseP RNA: human; Bacteria (*E. coli*; *B. subtilis*); Yeast (*Saccharomyces cerevisiae*). **MRP RNA:** Human, Mouse, Rat. **Telomerase RNA:** Protozoa (*Tetrahymena*). **CEH-RNA:** chicken. **tc-RNAs:** Human, Chicken. **B2 RNAs:** Mouse, Hamster. **PolyA+ RNA:** mouse, Dinoflagellates (*C. cohnii*). **Y-RNAs:** Human.

4.5 S RNA: Mouse; Rat; Hamster; *E. coli*. **4.5SI RNA:** Rat; Broad bean (*Vicia faba*). **6S RNA:** *E. coli*; *P. aeruginosa*. **MIC RNA:** *E. coli*. **msdRNA:** *Stigmatella aurantica*; *Myxococcus xanthus*; *E. coli*.

Viral small RNAs: Adenovirus: VA1, VA2, CELO; Epstein-barr Virus: EBER1, EBER2; Vesicular Stomatitis virus: VSV+, VSV-; Herpes Virus: HSUR1, HSUR2, HSUR3, HSUR4, HSUR5, HVP1, HVP2.

Phage RNAs: QB phage: RQ120; 029 bacteriophage: 029 RNA.

