cytoplasmic exosome (RNase complex), GO:0000177 nuclear exosome (RNase complex), GO:0000176 nuclear mRNA surveillance, GO:0071028 nuclear-transcribed mRNA catabolic process, GO:0034427 exosome (RNase complex), GO:0000178 K AU-rich element binding, GO:0017091 U4 snRNA 3'-end processing, GO:0034475 nuclear polyadenylation-dependent rRNA catabolic process, GO:0071035