SRA Knowledge Base
NCBI Help Manual

National Center for Biotechnology Information
U.S. National Library of Medicine

Searching for Specific Molecule Types

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How do I find all of the human transcriptome (RNA) data in SRA?

1. Go to the Entrez SRA page.
2. Enter **human AND RNA** in the search box at the top of the page.
3. Click the "Search" button.
4. Your search results will be presented as a list of human transcriptome experiments (SRX/ERX/DRX accessions) available in the SRA.
5. Click on the SRX record of interest. The record will include
   a. Links to each run in the experiment
   b. Experiment design information (if available)
   c. Submission accession and submitter name
   d. Study summary and abstract (if available)
   e. Experiment sample (SRS) information
   f. Links to a list of experiments (SRX)
   g. Library information (if available)
   h. Platform information
   i. Processing information (base calls and quality scores)
   j. Spot descriptor information
   k. Links to related information
6. At this point, you can do one of the following:
   a. **Click on the "All experiments" link** to see a complete list of the experiments included in the study.
   b. **Download the data for a particular experiment** by clicking on the SRA or the SRA-lite download links. These links will take you to the SRA FTP site where the files are available for download. If there are no download links visible for the experiment record, please contact sra@ncbi.nlm.nih.gov.
   c. **Click on one of the run links** (SRR/ERR/DRR **accessions**) to go to the SRA Run Browser, where you can look at individual reads, search the spots for a specific sequence, or download a set of spots from the run.

Note: Search results may not include all studies that used the specified platform or instrument since SRA is a raw data archive (not curated) and can index only those terms that a submitter provides in the metadata of their submission.

Note: If you choose to download files, install the "Aspera Connect" plug-in to transfer files at a significantly faster rate than ftp.