**Query for RNA structures added after 2008 with length > 12:**

SELECT *

FROM RNA

WHERE rna.len > 12 AND added_date > '2008-01-01';

**Count of active precomputed RNAs with last release update before 2022:**

SELECT COUNT(*)

FROM rnc_rna_precomputed

WHERE is_active = 1

 AND updated_date < '2022-01-01';

**Total precomputed RNA records for snoRNA and tRNA in specific years:**

SELECT EXTRACT (YEAR FROM update_date) AS year, rna_type, COUNT (*) FROM rnc_rna_precomputed WHERE rna_type IN('snoRNA','tRNA') AND EXTRACT (YEAR FROM update_date) IN (2011, 2014, 2016, 2020) GROUP BY year, rna_type

ORDER BY year;

**Names of databases built for RNA with specific minimum lengths:**

```
SELECT display_name

FROM rnc_database

WHERE min_length NOT IN (100, 200, 300, 400, 15);
```

**500 records of sequences for active regions with custom column name 'myregions':**

```
SELECT region_name AS myregions FROM rnc_sequence_regions
WHERE region_name IS NOT NULL LIMIT 500;
```

```
SELECT DISTINCT chromosome, exon_count FROM
rnc_sequence_regions WHERE region_name IN ('center', 'east', 'north')
LIMIT 1000
```