

## Test task

Parse biom.json and build a table using React.js and TypeScript. You can use any UI kit for visualization.

Data in biom.json is stored in [Biological Observation Matrix 1.0.0](#) format

The “rows” field of the biom.json contains an array of table rows.

Each row represents a unique bacteria. Each bacteria has its taxonomic 8-level lineage (Kingdom (superkingdom), Phylum, Class, Order, Family, Genus, Species, Strain).

Each row contains the “metadata” property which contains the row’s lineage - always an array of 8 elements.

Table data in biom.json is present for the strain level.

The following columns should be displayed (for the strain level, level === 7)

- Name (row -> metadata -> lineage[level] -> name)
- Tax ID (row -> metadata -> lineage[level] -> tax\_id)
- Abundance score (formatted float number, 2 decimals max)
- Relative abundance (formatted percentage number, 2 decimals max. Values that are less than 0.01% should be displayed as a \$\$string “< 0.01%”)
- Unique matches frequency (integer number)

### Example:

The first row of the given biom.json should be

Name	Tax ID	Abundance score	Relative abundance	Unique matches frequency
Lactobacillus crispatus SJ-3C-US	575598	139028.29	94.43%	1362