## 1. The design of the MongoDB structure in JSON format

Database: biotech
Collection name: expression_data

```json
{
    "Gene ID": " MEPQFQ9Z",
    "Gene Name": "Gene_IWVWK",
    "Chromosome": "chr1",
    "Start Posistion": " ",
    "End Position": "   " ,
    "expression": [
        {
            "Sample ID": "BHN1HRQWBL",
            "Expression Level": 91.83,
            "Condition": "Cancer_Type_A"
        }
        {},
        {},
        {},
    ],
    "sample": [
        {"Sample ID": "BHN1HRQWBL",
        "Patient ID": "9UFVLTBI ",
        "Collection Date": " ",
        "Condition": "Cancer_Type_A",
        "Tissue Type": Blood" ",
    },
    {},
    {},
    {},
    ]

}
```