BV-BRC API (1.0.0)

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API documentation for BV-BRC

Retrieve content by ID

Fetches content details based on a given ID.

PATH PARAMETERS
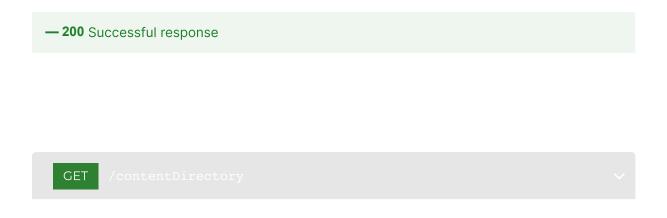
⊣ **id** **required**	string ID of the content

Responses

— **200** Successfully retrieved content

— **404** Content not found

GET	/content/{id}	⌄

Auto-generated summary for GET contentDirectory

Responses

— **200** Successful response

GET `/contentDirectory` ⌄

Auto-generated summary for GET *

Responses

— **200** Successful response

GET `/*` ⌄

Auto-generated summary for POST *

Responses

— **200** Successful response

POST /* ⌄

Add a new dataset entry

Creates a new dataset entry in the API.

REQUEST BODY SCHEMA: application/json
required

| name | string |
| type | string |

Responses

— **201** Successfully created dataset

— **400** Invalid data format

POST /data ⌄

Payload

Content type
application/json
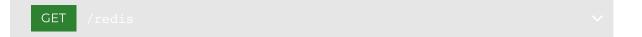
Copy

```
{
    "name": "New dataset",
    "type": "genome"
}
```

Auto-generated summary for GET redis

Responses

— **200** Successful response

GET   /redis

Auto-generated summary for GET http_port

Responses

— **200** Successful response

GET   /http_port

Auto-generated summary for GET /summary_by_taxon/:taxon_id

Responses

— **200** Successful response

GET	/summary_by_taxon/:taxon_id	⌄

Auto-generated summary for GET /distinct/:collection/:field

Responses

— **200** Successful response

GET	/distinct/:collection/:field	⌄

Auto-generated summary for GET /taxon_category/

Responses

— **200** Successful response

GET	/taxon_category/	⌄

Auto-generated summary for GET /subsystem_summary/:genome_id

Responses

— **200** Successful response

GET	/subsystem_summary/:genome_id	⌄

Retrieve available data types

Returns a list of all data types available in the API.

Responses

> **200** Successfully retrieved data types

GET `/data/type` ⌄

200

Content type
application/json

Copy

```
[
    "genome"
]
```

Auto-generated summary for GET content-type

Responses

— **200** Successful response

GET `/content-type` ⌄

Auto-generated summary for GET accept

Responses

— **200** Successful response

GET /accept ⌄

Auto-generated summary for PATCH /:target_id

Responses

— **200** Successful response

PATCH /:target_id ⌄

Auto-generated summary for POST /:target_id

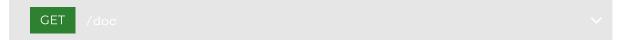Responses

— **200** Successful response

POST `/:target_id` ⌄

Retrieve API documentation

Serves API documentation in JSON format.

Responses

— **200** Successfully retrieved documentation

GET `/doc` ⌄

Auto-generated summary for GET publicURL

Responses

— **200** Successful response

GET `/publicURL` ⌄

Auto-generated summary for GET /

Returns general information about the API.

Responses

— **200** Successful response

| GET | / | ⌄ |

Auto-generated summary for POST /

Responses

— **200** Successful response

| POST | / | ⌄ |

Auto-generated summary for GET /:collection

Responses

— **200** Successful response

GET	/:collection	⌄

Download a file

Allows downloading files from the API using a file ID.

QUERY PARAMETERS

⊣ `fileId`
required

string

ID of the file to download

Responses

— **200** File downloaded successfully

— **404** File not found

GET	/download	⌄

Check genome permissions

Returns access permissions for a given genome.

QUERY PARAMETERS

⊣ genomeId
required

string
ID of the genome

Responses

— **200** Successfully retrieved permissions

— **403** Access denied

GET /permissions/genome ⌄

Auto-generated summary for GET solr

Responses

— **200** Successful response

GET /solr ⌄

Search HPI data

Fetches data from the HPI search API using a search term.

QUERY PARAMETERS
_____

⊣ term

string
Search term for querying HPI data.

Responses

> **200** Successfully retrieved HPI search results

GET /hpi/search	⌄

200

Content type
application/json

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```
{
  - "results": [
      + { … }
    ]
}
```

Auto-generated summary for GET distributeURL

Responses

— **200** Successful response

GET	/distributeURL	⌄

Auto-generated summary for GET /experiment

Responses

— **200** Successful response

GET	/experiment	⌄

Auto-generated summary for GET /experiment/:id

Responses

— **200** Successful response

```
GET     /experiment/:id                                          ⌄
```

Auto-generated summary for GET /experiment/:id/id-list/:id_list

Responses

— **200** Successful response

```
GET     /experiment/:id/id-list/:id_list                         ⌄
```

Auto-generated summary for GET /experiment/:id/id-list/:id_list/ids

Responses

— **200** Successful response

```
GET    /experiment/:id/id-list/:id_list/ids                                    ⌄
```

Auto-generated summary for GET /api

Responses

— **200** Successful response

```
GET    /api                                                                    ⌄
```

Trigger data indexing

Initiates the indexing process for the API database.

Responses

— **200** Indexing started successfully

— **500** Error starting indexing

`POST` `/indexer` ⌄

Auto-generated summary for GET queueDirectory

Responses

— **200** Successful response

`GET` `/queueDirectory` ⌄

Auto-generated summary for GET /:id

Responses

— **200** Successful response

`GET` `/:id` ⌄

Auto-generated summary for POST /:type

Responses

— **200** Successful response

POST /:type ⌄

Retrieve JBrowse data

Fetches genomic visualization data for JBrowse.
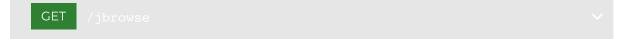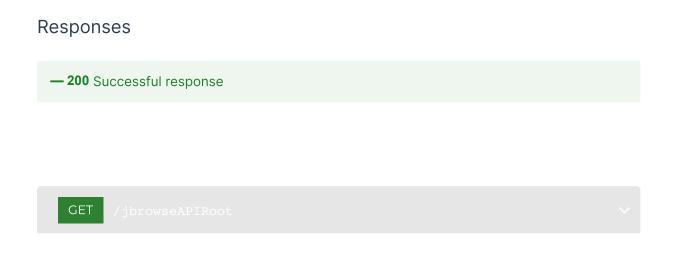
QUERY PARAMETERS

⊣ genomeId
  required

string
Genome ID for JBrowse

Responses

— **200** Successfully retrieved JBrowse data

GET /jbrowse ⌄

Auto-generated summary for GET jbrowseAPIRoot

Responses

— **200** Successful response

GET /jbrowseAPIRoot ⌄

Auto-generated summary for GET type

Responses

— **200** Successful response

GET /type ⌄

Auto-generated summary for GET feature_type

Responses

— **200** Successful response

Auto-generated summary for GET /genome/2697049.107626/trackList

Responses

— **200** Successful response

GET   /genome/2697049.107626/trackList

Auto-generated summary for GET /genome/:id/trackList

Responses

— **200** Successful response

```
GET    /genome/:id/trackList                                    ⌄
```

Auto-generated summary for GET /genome/:id/tracks

Responses

— **200** Successful response

```
GET    /genome/:id/tracks                                       ⌄
```

Auto-generated summary for GET /genome/:id/stats/global

Responses

— **200** Successful response

GET `/genome/:id/stats/global` ⌄

Auto-generated summary for GET /genome/:id/stats/region/:sequence_id

Responses

— **200** Successful response

GET `/genome/:id/stats/region/:sequence_id` ⌄

Auto-generated summary for GET /genome/:id/stats/regionFeatureDensities/:sequence_id

Responses

— **200** Successful response

```
GET    /genome/:id/stats/regionFeatureDensities/:sequence_id    ⌄
```

Auto-generated summary for GET /genome/:id/features/:seq_accession

Responses

— **200** Successful response

```
GET    /genome/:id/features/:seq_accession    ⌄
```

Auto-generated summary for GET /genome/:id/refseqs

Responses

— **200** Successful response

Auto-generated summary for GET /genome/:id/names/

Responses

— **200** Successful response

Execute multiple queries

Submits multiple queries to the API and returns combined results.

REQUEST BODY SCHEMA: application/json
required

⊣ `queries` ›   Array of objects

Responses

— **200** Successfully executed queries

<div style="border:1px solid #ccc">

POST   /query/multi   ⌄

</div>

Payload

Content type

application/json

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```
{
  - "queries": [
      + { … }
    ]
}
```

Execute an RPC request

Handles remote procedure calls (RPC) for various API functions.

REQUEST BODY SCHEMA: application/json
required

```
method        string

params        object
```

Responses

— 200 Successfully executed RPC call

— 400 Invalid request format

POST `/rpc`

Payload

Content type

application/json

Copy   Expand all   Collapse all

```
{
    "method": "string",
    "params": { }
}
```