

---

# **CistromeDC Utilities Documentation**

***Release 0.1***

**Hanfei Sun**

May 26, 2015



|          |                                 |          |
|----------|---------------------------------|----------|
| <b>1</b> | <b>DC-utilities Quick Start</b> | <b>3</b> |
| 1.1      | Introduction . . . . .          | 3        |
| 1.2      | Search a Database . . . . .     | 3        |
| <b>2</b> | <b>Indices and tables</b>       | <b>5</b> |



Contents:



---

## DC-utilities Quick Start

---

**Authors** Hanfei Sun

**Version** 0.1 of 2012/4/17

**Email** [hfsun.tju@gmail.com](mailto:hfsun.tju@gmail.com)

### 1.1 Introduction

This chapter provides a brief overview of basic DC-utility functions along with examples of URL calls. Please see Chapter 2 for a general introduction to these utilities and Chapter 4 for a detailed discussion of syntax and parameters.

Examples include live URLs that provide sample outputs.

All DC-utility calls share the same base URL:

<http://dc.cistrome.org/dcutils/>

### 1.2 Search a Database

#### 1.2.1 Basic Search

`dcsearch?db=<database>&term=<query>`

Input: Any Entrez query(&term) Output: List of UIDs matching the DC query *Example: Get the Unique IDs(UiID) for datasets about p53 Transcription Factor in Science in 2008*

[http://dc.cistrome.org/dcutils/dcsearch?db=datasets&term=science\[journal\]+AND+p53+AND+2008](http://dc.cistrome.org/dcutils/dcsearch?db=datasets&term=science[journal]+AND+p53+AND+2008)

| DC Database             | UiID common name | DC-utility Database Name |
|-------------------------|------------------|--------------------------|
| datacollection_papers   | Paper ID         | paper                    |
| datacollection_datasets | Dataset ID       | dataset                  |

| Database Key                      | DC-utility Field Name |
|-----------------------------------|-----------------------|
| datacollection_celltypes.name     | celltype              |
| datacollection_celllines.name     | cellname              |
| datacollection_journals.name      | journal               |
| datacollection_assemblies.name    | assemble              |
| datacollection_cellpops.name      | cellpop               |
| datacollection_antibodies.name    | antibodie             |
| datacollection_diseasestates.name | diseasestate          |
| datacollection_factors.name       | factor                |
| datacollection_platforms.name     | platform              |
| datacollection_species.name       | specie                |
| datacollection_strains.name       | strain                |
| datacollection_tissuetypes.name   | tissuetype            |



---

## Indices and tables

---

- `genindex`
- `modindex`
- `search`