

# An Introduction to the ISB-CGC Web App SeqPeek

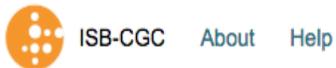
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## The ISB Cancer Genomics Cloud



## Main Landing Page

- Handy place to access documentation, code, and send feedback
- You may only log in using a Google Managed identity by clicking the signin button



[➔ Sign In](#)

<https://isb-cgc.appspot.com>

# Cancer Genomics Cloud

The ISB Cancer Genomics Cloud (ISB-CGC) is democratizing access to **TCGA** data and coupling it with unprecedented computational power to allow researchers to explore and analyze this vast data-space.

[Documentation](#)

[GitHub](#)

[Feedback](#)

## TCGA HNSC

New Workbook

Edit

Comments

Duplicate

Delete

View Files

Download IDs

Share

Shared With (0)

### Selected Filters

SAMP:Project: TCGA

SAMP:Study: HNSC

### Details

Total Number of Samples: **1123**

Total Number of Participants: **528**

Your Permissions: OWNER

Revision History:

There is no revision history.

1. Log into the system
2. Create a cohort of TCGA HNSC Samples

Your Dashboard > Saved Cohorts >

## TCGA CESC

New Workbook

Edit

Comments

Duplicate

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Download IDs

Share

Shared With (0)

### Selected Filters

SAMP:Project: TCGA

SAMP:Study: CESC

### Details

Total Number of Samples: **621**

Total Number of Participants: **308**

Your Permissions: OWNER

Revision History:

There is no revision history.

3. Create a cohort of TCGA CESC Samples

#### 4. Create a gene list with the following genes:

- ERBB2
- FN1
- PVT1
- SERPINB11
- RAD51L1
- TMPRSS3

[Your Dashboard](#) > [Saved Gene Favorites](#) >

### Gene Favorite Details

#### SeqPeek Genes

##### Selected Genes

ERBB2

FN1

PVT1

SERPINB11

RAD51L1

TMPRSS3

 Edit

Delete

Apply To New Workbook

[View System Gene Identifier](#)

# 5. Apply gene list and cohorts to new workbook.

## SeqPeek Workbook

[Edit Details](#) [Duplicate](#) [Delete](#) | [Share](#) Shared With (0)

Worksheet 1 +

Comments (0)

### Source Data

**Genes** +

- ✗ ERBB2
- ✗ FN1
- ✗ PVT1
- ✗ SERPINB11
- ✗ RAD51L1
- ✗ TMPRSS3

**Variables** +

**Cohorts** +

- ✗ TCGA CESC
- ✗ TCGA HNSC

### Analysis Type

SeqPeek

[Edit Analysis Settings](#)

**To Complete this Analysis:**

- You must select an Analysis Type (above)
- You must select **Genes** or **Variables** (or, optionally, both)
- You must select a **Cohorts**

[Resubmit Plot](#)

### Plot Settings

**Gene**

-- select a gene--

**Cohorts**

- TCGA CESC
- TCGA HNSC

[Update Plot](#)

## 6. Select SeqPeek analysis type.

### SeqPeek Workbook

Edit Details

Duplicate

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Worksheet 1



Comments (0)

#### Source Data

##### Genes

- ERBB2
- FN1
- PVT1
- SERPINB11
- RAD51L1
- TMPRSS3

##### Variables

##### Cohorts

- TCGA CESC
- TCGA HNSC

#### Analysis Type

SeqPeek

[Edit Analysis Settings](#)

**To Complete this Analysis:**

- You must select an Analysis Type (above)
- You must select **Genes** or **Variables** (or, optionally, both)
- You must select a **Cohorts**

[Resubmit Plot](#)

#### Plot Settings

##### Gene

-- select a gene--

##### Cohorts

- TCGA CESC
- TCGA HNSC

[Update Plot](#)

## SeqPeek Workbook

Edit Details

Duplicate

Delete

Share

Shared With (0)

# 7. Select Gene TP53 and cohorts and Update Plot.

Worksheet 1



Comments (0)

### Source Data

#### Genes

- ERBB2
- TP53
- FN1
- PVT1
- SERPINB11
- RAD51L1
- Tmprss3

#### Variables

#### Cohorts

- TCGA CESC
- TCGA HNSC

### Analysis Type

SeqPeek

[Edit Analysis Settings](#)

#### To Complete this Analysis:

- You must select an Analysis Type (above)
- You must select [Genes](#) or [Variables](#) (or, optionally, both)
- You must select a [Cohorts](#)

[Resubmit Plot](#)

### Plot Settings

#### Gene

TP53

#### Cohorts

- TCGA CESC
- TCGA HNSC

[Update Plot](#)

## 8. Explore resulting plot.

