An Introduction to
the ISB-CGC Web App SeqPeek

brought to you by

The ISB Cancer Genomics Cloud

Institute for
Systems Biology
Revolutionizing Science. Enhancing Life.

Google Cloud Platform

CSRA

https://isb-cgc.appspot.com

ISB-CGC   About   Help

⊷ Sign In

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

Your Dashboard > Saved Cohorts >

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

TCGA CESC

New Workbook | Edit | Comments | Duplicate | Delete | View Files | 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

Gene Favorite Details

SeqPeek Genes

Selected Genes

ERBB2   FN1   PVT1   SERPINB11   RAD51L1   TMPRSS3

✏ Edit   Delete   Apply To New Workbook   View System Gene Identifier

SeqPeek Workbook

5. Apply gene list and cohorts to new 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

❶ 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

6. Select SeqPeek analysis type.

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

SeqPeek Workbook

7. Select Gene TP53 and cohorts and Update Plot.

| Edit Details | Duplicate | Delete | | Share | Shared With (0) |

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

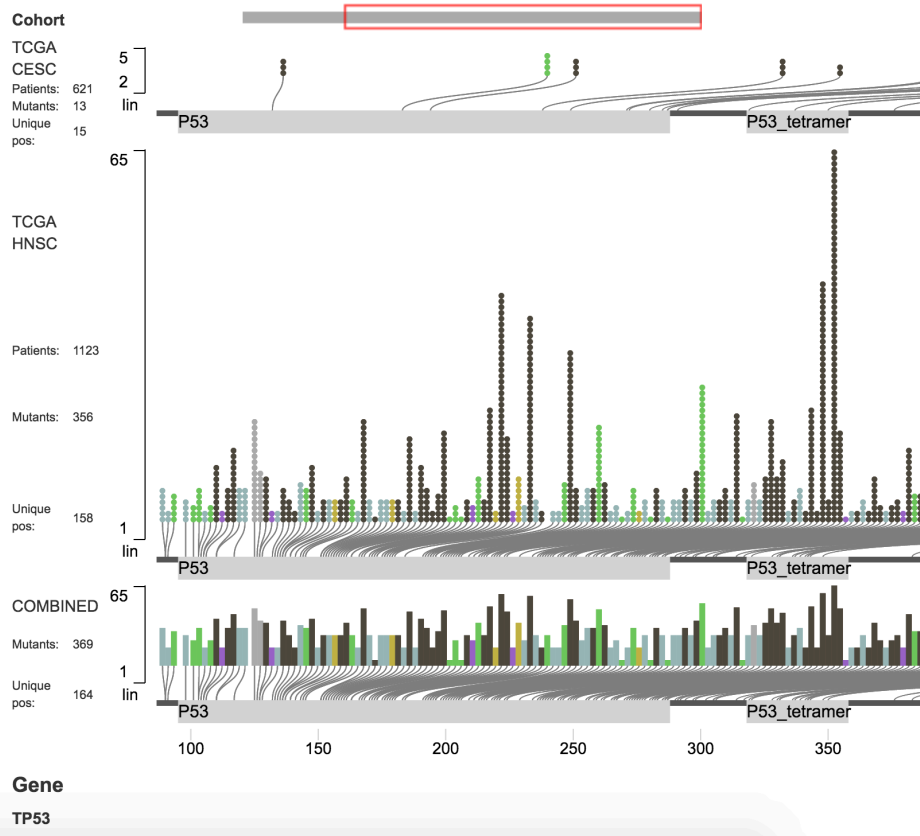Resubmit Plot

Plot Settings ✖

Gene

TP53 ⇅

Cohorts
- ☑ TCGA CESC
- ☑ TCGA HNSC

Update Plot

8. Explore resulting plot.