

# SEARCH | SELECT | ANALYZE

## **E** Heat Map

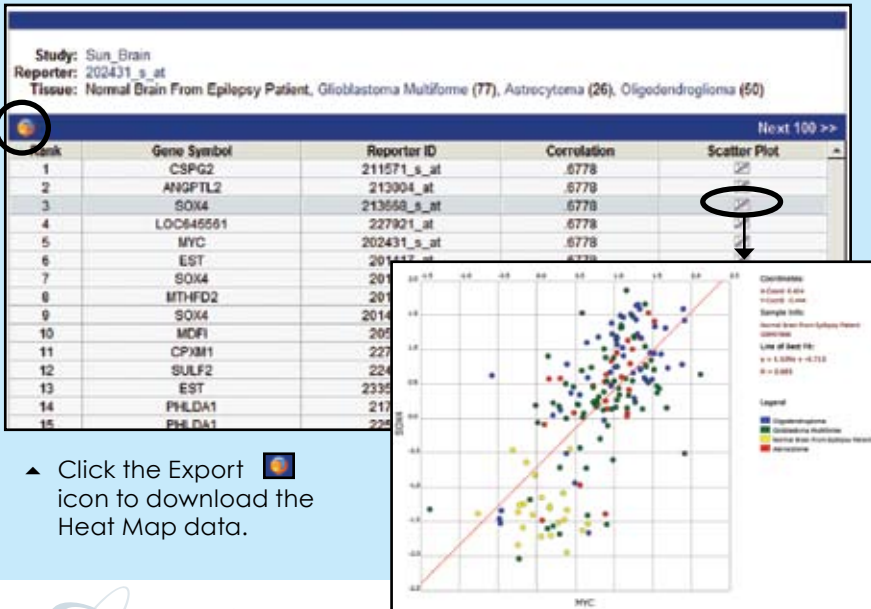
Select different Sub Classes to re-sort the data. ▾



Click the Export icon to download the Heat Map data. ▲

## **F** Gene List

Click the Scatter Plot icon to view results graphically. ▾



▲ Click the Export icon to download the Heat Map data.

# ONCOMINE™ QUICKSTART GUIDE TO gene search

Use OncoPrint Gene Search to identify the expression pattern of any gene across the OncoPrint database. The first result of any Gene Search is a Differential Activity Map, a visual summary of all studies with significant results for that gene, sorted by tissue and comparison types. From this point select Differential Expression, Co-Expression, or Outlier Analysis modules. Individual studies can be examined in depth using a variety of visualization tools including Box Plots, Bar Charts, Heat Maps, Scatter Plots, and Gene Lists.

# SEARCH | SELECT | ANALYZE

**STEP 1)** Enter a gene name in the **Gene Search** box and click the **Search** button.

**STEP 2)** Select a gene from the resulting list.

**ONCOMINE™ PROFESSIONAL**

Home About News Support Tools myFavorites GO TO ONCOMINE CONCEPTS MAP

**User Profile**  
name@company.com  
Update Profile

**Links**  
Release Notes  
OncoPrint Concepts Map Demo  
Contact Us

**Statistics**  
Studies - Analyzed: 289  
Microarrays: 20635  
Data points: over 630 million  
Cancer Types: 39

**Gene Search**  
Searched Term: MYC

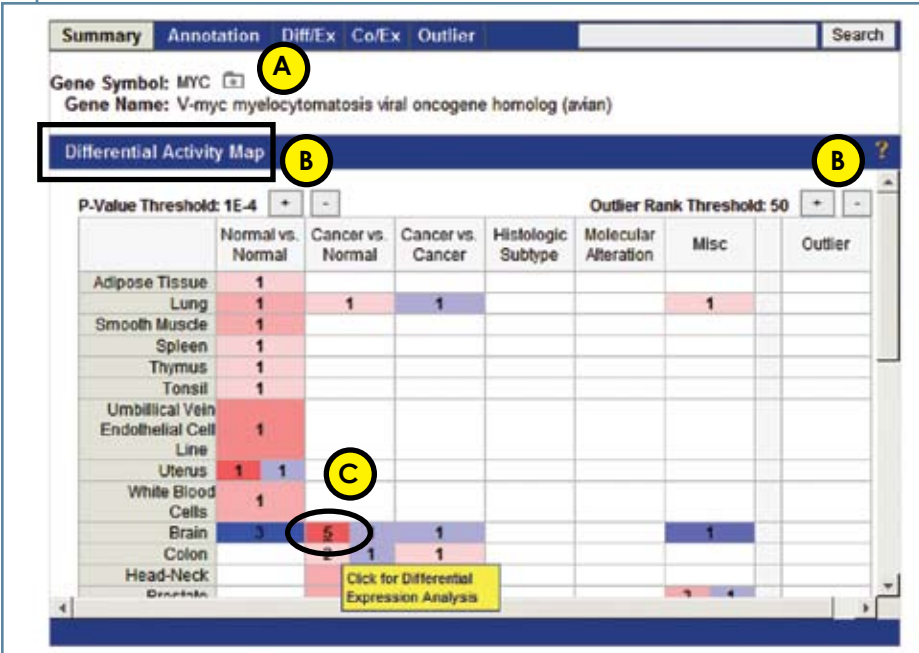
Official Symbol: **MYC**  
Other Aliases: c-Myc

fold in half

# SEARCH | SELECT | ANALYZE

## STEP 3) Select studies of interest from the *Differential Activity Map*.

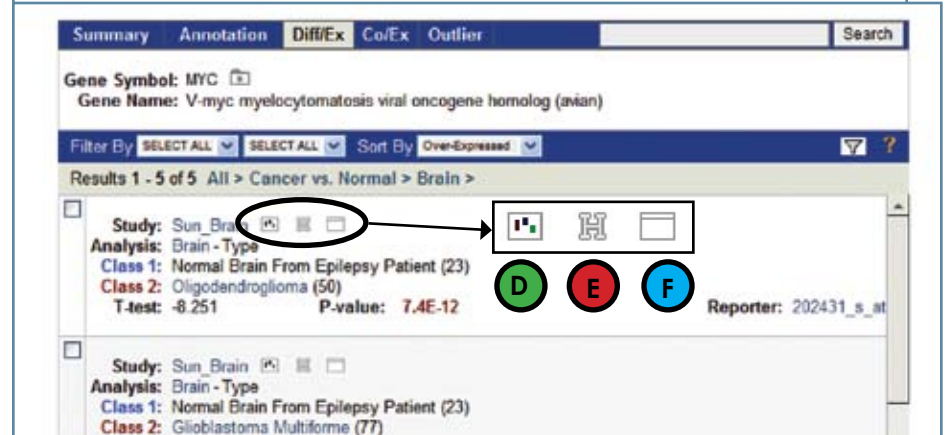
The Differential Activity Map provides an overall summary of significant differential expression results for the gene of interest across all studies in the OncoPrint database.



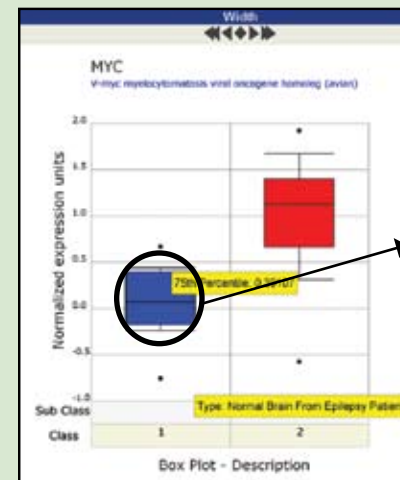
- A** Click the favorites icon to add this gene to your favorites.
- B** Use the toggle buttons above the chart to change the p-value or the Outlier Rank thresholds.
- C** Click on any cell to return the analyses indicated. Alternatively, use the Diff/Ex, Co/Ex, and Outlier tabs at the top of the page to return all results for a gene of interest, regardless of statistical significance.

# SEARCH | SELECT | ANALYZE

## STEP 4) Select a study's analysis icons to see *Box Plot*, *Heat Map* and *Gene List*.



### **D** Box Plot



- ◀ Click once on the Box Plot to activate popup descriptions.
- ▼ Click again on the Box Plot to retrieve a detailed bar chart.

