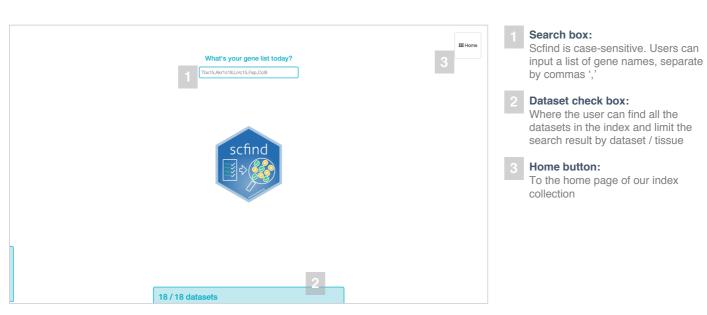
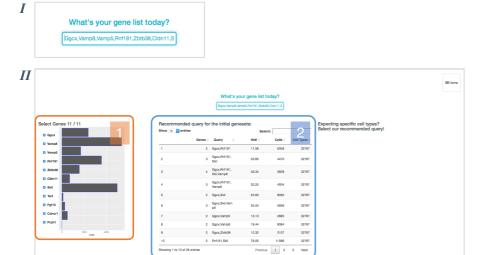


Search engine for genes in large single-cell sequencing collections https://scfind.sanger.ac.uk/
(User Guide)

The User interface of Scfind



4 Steps: From your favorite gene list to your target cell type

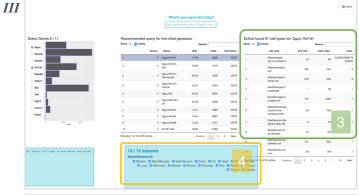


Step I: Input your favorite gene list

- The bar chart 1 is a summary of the number of cells in the index expressing the gene
- User can always amend the initial gene list by clicking on

Step II: select one of our recommended sub-query on table 2 according to TF-IDF score

- subqueries are ranked by TF-IDF score
 (Highest = likely the best)
- click on that to sort TF-IDF score in order



IV

Step III: Select the enriched cell types on table

- Cells expressing all genes in the query are grouped by cell type. The user can rank them based on enrichment by clicking on pval
- User can limit the dataset by clicking on ✓ in 4



Step IV: Check the best representing genes

- Click on any cell type you are interested in 3
- 5 allows you to compare precision / recall / f1 values of each gene corresponding to each cell type