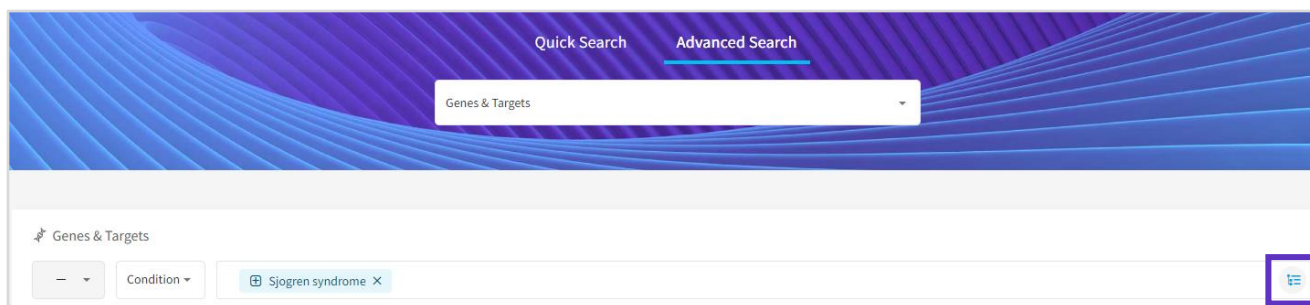


Evaluate targets for your condition of interest

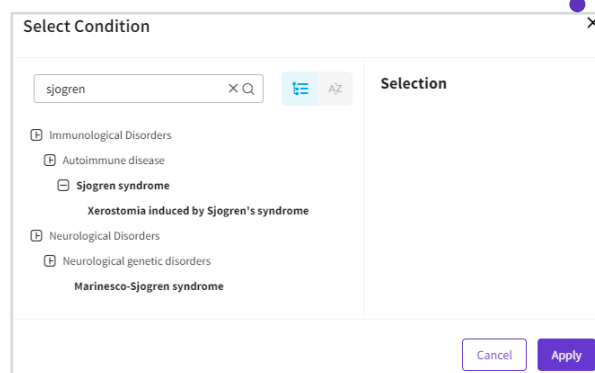
Cortellis Drug Discovery Intelligence

The new Conditions Heatmap in your Genes & Targets results page allows you to easily rank targets associated to your condition by different criteria. In the example below we will rank targets for Sjogren syndrome according to biological evidence.

1. Use **Advanced Search** to find all **Genes & Targets** associated to your **condition** of interest.



Tip Use the index button to find your condition/s of interest. Type the name and select from the ontology tree. Notice that when selecting a parent term, the children terminology will be included in your search results.



- In your **Genes & Targets** results page, click on the **Conditions** tab and select the **Heatmap** view to see different ways of sorting your targets:

Genes & Targets

Conditions

Gene Variants

Overview

▼ Apply Filters

↕ Sort

Showing 1-25 of 188 Conditions records for Condition: Sjogren syndrome

Table

Heatmap ⓘ

| Gene Target Name ↕ | Condition ↕ | Drug Score ↕ | Gene Variant Score ↕ | Experimental Model Score ↕ | Biomarker Use Score ↕ | Overall Score ↕ |
|--|------------------|--------------|----------------------|----------------------------|-----------------------|-----------------|
| interferon regulatory factor 5 | Sjogren syndrome | | | | | |
| microtubule associated protein tau | Sjogren syndrome | | | | | |
| signal transducer and activator of transcription 4 | Sjogren syndrome | | | | | |
| TNF alpha induced protein 3 | Sjogren syndrome | | | | | |
| CD247 molecule | Sjogren syndrome | | | | | |
| protein tyrosine phosphatase non-receptor type 22 | Sjogren syndrome | | | | | |
| general transcription factor Iii | Sjogren syndrome | | | | | |

Tip: Your targets can be sorted by Drug Score, Gene Variant Score, Experimental Model Score, Biomarker Use Score, and Overall Score. You will find full definitions of each one of these scores in the [Glossary](#).

- In this case, we've sorted by **Gene Variant Score** to rank the targets by biological evidence. Interferon regulatory factor 5 (IRF5) is the target with the highest score, click on the cell to explore gene variant data for this target.

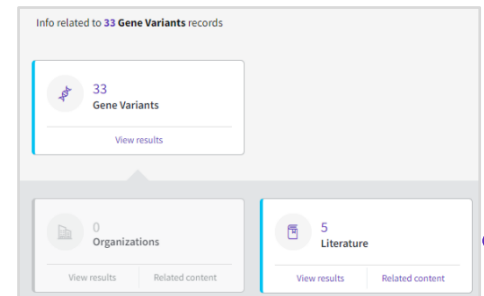
| Drug Score ⚙ | Gene Variant Score ⚙ |
|----------------------------------|----------------------|
| Go to Gene Variants (33 records) | 0.963 |

Tip: Hover on any cell to see the score and associated records behind it. Scores go from 0 to 1.

- The **Gene Variants** page shows details on the 33 variants of IRF5 associated to Sjogren syndrome, such as variation type, name, RefSeq transcript links, and most importantly, effect.

| Genes & Targets Conditions Gene Variants Overview | | | | | | | | |
|--|------------------|-----------------------|---|--------------|----------------|----------------|------------|---------|
| Apply Filters Customize Columns Sort | | | | | | | | |
| | | | | | | | Literature | Patents |
| interferon regulatory factor 5 | Sjogren syndrome | Polymorphism/mutation | IRF5:[rs2004640;rs3807306];TNPO3:[rs10488631;rs2280714] | NM_001098629 | TCTA Haplotype | Increased risk | 1 | 0 |
| interferon regulatory factor 5 | Sjogren syndrome | Polymorphism/mutation | IRF5:[rs2004640;rs3807306];TNPO3:[rs10488631;rs2280714] | NM_001098629 | GCTA Haplotype | Increased risk | 1 | 0 |
| interferon regulatory factor 5 | Sjogren syndrome | Polymorphism/mutation | rs7582694 | NM_001098629 | C Allele | Increased risk | 1 | 0 |
| interferon regulatory factor 5 | Sjogren syndrome | Polymorphism/mutation | rs11761199 | NM_032643 | G Allele | Increased risk | 1 | 0 |

Tip: Link to the source of the gene variant information by clicking on associated literature/patents. To see all references together, use the **Related Content** button and navigate to Literature/Patents.



For more information contact Customer Service at **LS Product Support**