

Exploring your target landscape by conditions and gene variants

Cortellis Drug Discovery Intelligence

You can now explore conditions and gene variants associated to your targets from the **Genes and Targets** results page.

In the example below, we used Quick Search to find targets associated to Rheumatoid arthritis:

Genes & Targets ▾

"Rheumatoid arthritis"

In the results list, we can explore all **Genes & Targets** associated to this disease, as well as all **Conditions** and **Gene Variants** associated to those genes & targets:

<div> Genes & Targets Conditions Gene Variants Overview </div> <div> Share Settings List More </div>									
Apply Filters Customize Columns Sorted by relevance Showing 1-25 of 1424 Genes & Targets records for "Rheumatoid arthritis"									
<input type="checkbox"/> ?	Name	Gene Symbol	Synonym	Organism	PDB	Drugs	Drug Highest Phase	Experimental Pharmacology	Experimental Models
<input type="checkbox"/>	serpin family H member 1	SERPINH1	47 kDa heat shock protein Arsenic-transactivated protein 3 arsenic-transactivated protein 3 AsTP3	Homo sapiens (human)		26	Phase II	21	1
<input type="checkbox"/>	leucine rich repeat kinase 2	LRRK2	Augmented in rheumatoid arthritis 17 augmented in rheumatoid arthritis 17 AURA17 Dardarin	Homo sapiens (human)	2ZEJ 3D6T	752	Launched	818	60

1. Go to the **Conditions** tab for condition validation. Use the sorting options at the top of the columns to identify established targets for your condition of interest (e.g. has drugs that are Launched) or emerging targets for your condition of interest (e. g. has no drugs or has drugs in Biological Testing):

Genes & Targets	Conditions	Gene Variants	Overview
Apply Filters Customize Columns Sort			
Gene Target Name	Condition	Drugs	Condition Highest Phase
AKT serine/threonine kinase 3	Rheumatoid arthritis	11	Biological Testing
cadherin 2	Rheumatoid arthritis	1	Biological Testing
nuclear receptor subfamily 1 group H member 3	Rheumatoid arthritis	3	Biological Testing
ceramide transporter 1	Rheumatoid arthritis	6	Biological Testing
nicotinamide phosphoribosyltransferase	Rheumatoid arthritis	48	Biological Testing

2. Furthermore, use the **Conditions** tab to explore the biological evidence behind the target – condition association. Easily see how many gene variants link each target to your condition of interest. Go to the **Gene Variant** tab to see details on the gene variants.

Genes & Targets

Conditions

Gene Variants

Overview

▼ Apply Filters

🔧 Customize Columns

⬆️ Sort

Showing 1-25 of 206 Conditions records for "Rheumatoid arthritis"

Gene Variant - Effect 2

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Gene Target Name ⬆️	Condition ⬆️	Drugs ⬆️	Condition Highest Phase ⬆️	Gene Therapies ⬆️	Gene Variants ⬆️
major histocompatibility complex, class II, DR beta 1	Rheumatoid arthritis	12	🔵 A IND Filed	0	215
leucine rich repeat kinase 2	Parkinson's disease	600	🔵 A Phase II	0	179
vascular endothelial growth factor A	Rheumatoid arthritis	2	Biological Testing	0	166
NLR family pyrin domain containing 3	Rheumatoid arthritis	13	Clinical	0	69
estrogen receptor 1	Rheumatoid arthritis	2	Discontinued	0	56
TNF alpha induced protein 3	Rheumatoid arthritis	0		0	48
major histocompatibility complex, class II, DP beta 1	Rheumatoid arthritis	0		0	41
methylenetetrahydrofolate reductase	Rheumatoid arthritis	0		0	41

For more information contact Customer Service at [LS Product Support](#).