#CamHack17 #ProjectPathfinder - Lightweight, in-browser app for discovering publicly available datasets in relation to biological pathways. Angular2.

Welcome to Multiomics Pathway Analysis app!

Brain Cancer	Search	OmicsDI.org REST API
Pathway	Datasets	
Class B/2 (Secretin family receptors)	Multiomics: EGAS00001000215 phs000249.v1.p1 EGAO00000000298 EGAO00000000024 phs000178.v6.p6 EGAS0	
R-HSA-373080 (49 datasets)	EGAS00001000565 EGAS00001000381 EGAO00000000029 EGAC00001000217 EGAS00001000737 EGAC000010	
G alpha (s) signalling events	Multiomics: EGAS00001000215 phs000249.v1.p1 EGAO00000000298 EGAO0000000024 phs000178.v6.p6 EGAS0	
R-HSA-418555 (13 datasets)	EGAS00001000565 EGAS00001000381 EGAO00000000029 EGAC00001000217 EGAS00001000737 EGAC000010	List of datasets
		List of molecules
GPCR ligand binding	Multiomics: EGAS00001000215 phs000249.v1.p1 EGAO00000000298 EGAO00000000024 phs000178.v6.p6 EGAS0	
R-HSA-500792 (13 datasets)	EGAS00001000565 EGAS00001000381 EGAO00000000029 EGAC00001000217 EGAS00001000737 EGAC000010	
GPCR downstream signaling	Multiomics: EGAS00001000215 phs000249.v1.p1 EGAO00000000298 EGAO0000000024 phs000178.v6.p6 EGAS0	
R-HSA-388396 (13 datasets)	EGAS00001000565 EGAS00001000381 EGAO00000000029 EGAC00001000217 EGAS00001000737 EGAC000010	
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Signaling by GPCR	Multiomics: EGAS00001000215 phs000249.v1.p1 EGAO00000000298 EGAC00000000024 phs000178.v6.p6 EGAS(EGAS00001000565 EGAS00001000381 EGAO00000000029 EGAC00001000217 EGAS00001000737 EGAC000010	Reactome.org REST API
R-HSA-372790 (13 datasets)	EGISONO TOURS EG	Tredetonie.org Treo i Ai i
Signal Transduction	Multiomics: EGAS00001000215 phs000249.v1.p1 EGAO00000000298 EGAO00000000024 phs000178.v6.p6 EGAS0	
R-HSA-162582 (13 datasets)	EGAS00001000565 EGAS00001000381 EGAO00000000029 EGAC00001000217 EGAS00001000737 EGAC000010	
Dermatan sulfate biosynthesis	Proteomics: PXD006027	
R-HSA-2022923 (1 datasets)	110comes. <u>174500027</u>	
K-11571-2022/25 (1 datasets)		
Chondroitin sulfate/dermatan sulfate	Proteomics: PXD006027	
metabolism		
R-HSA-1793185 (1 datasets)		
Neutrophil degranulation	Proteomics: PAe005158 PAe004727	
R-HSA-6798695 (2 datasets)		
	List of pathways, with associated datasets	REACTOME A CURATED PATHWAY DATABASE



Resources: http://www.OmicsDl.org - Omics Discovery Index of heterogeneous dataset repositories.

http://www.Reactome.org - Curated database of biological pathways.

Source code: https://github.com/helioraptor/Pathfinder
Test app: https://pathfinder-72b30.firebaseapp.com/