-Dui Deui INSTITUT DES MALADIES GÉNÉTIQUES



several genes



cytopenia



Colitis



syndrome



SJA





Project ATRACTion

Autoimmunity/Inflammation Through Rnaseq Analysis at single Cell level for Therapeutical Innovation

> F.Rieux-Laucat, M.Ménager, N.Cerf-Bensussan, N Garcelon Zografoula Vagena

Data

Preprocessing

With the financial support of diiP, IdEx Université de Paris, ANR-18-IDEX-0001

QA Normalization Gene Selection

Gene Profile

Construction

population by varying:

- method of gene profile construction
- number of top-k edges to maintain
- varying method of identification of top-k edges





data intelligence institute of Paris

Multi-Omics Data Integation (collaborative project with diiP)

Preliminary work on Juveline Idiopathic Arthritis (JIA) dataset Gene Network Inference using JIA data



• generated various co-expression networks over the entire cell

• similarity measures (e.g., pearson, mutual information, cosine)

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