Investigating the molecular cause of hypermobile Ehlers-Danlos syndrome

MSB 1014 - Network Biology

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1 Introduction

2 Methods

2.1 Data and Analysis of Differentially Expressed Genes

- data from geo database

- analysis with geo2r

- abs(log2FoldChange) ¿ 0.5, pValue ¡0.05

- 908 differentially expressed genes

2.2 Network creation

- query differentially expressed genes from string db (confidence cut off 0.4)

- String was able to query 828 of them

- query eds related to other eds genes additionally: 21 nodes from DISEASE (TODO: refernce)

- resulting network: 847 nodes and 6129 edges

- visualization of whole network probably not useful

- data about differential expression loaded, for EDS genes and differentially expressed genes

3 Results

4 Discussion

References