

The extended human GPCR network (hGPCRnet): cell-type-specific analysis of GPCR signaling pathways

Avgi E. Apostolakou¹, Fotis A. Baltoumas¹, Dimitrios J. Stravopodis¹ and Vassiliki A. Iconomidou^{1,}*

¹Section of Cell Biology and Biophysics, Department of Biology, School of Sciences,

National and Kapodistrian University of Athens, Panepistimiopolis, Athens 15701, Greece

Corresponding Author

*Assist. Prof. Vassiliki A. Iconomidou

Section of Cell Biology and Biophysics,

Department of Biology,

National and Kapodistrian University of Athens,

Panepistimiopolis, Athens 15701, Greece

Phone: +30 210 727 4871

Fax: +30 210 7274254

e-mail: veconom@biol.uoa.gr

Supporting Information

Table of contents

PDF Manual for the application hGPCRnet

Figures S 1-16: The clusters as they resulted from cluster analysis of hGPCRnet using the MCODE clustering algorithm. The Gene name from UniProtKB is used as label for the nodes.

Table S1: Nodes in hGPCRnet and basic information about them

Table S2: Protein interactions and the dataset(s) they originate from.

Table S3: Information about cell types and cell-type-specific networks.

Table S4: Cell-type-specific networks.

Table S5: GO term enrichment results for hGPCRnet.

Table S6: GO term enrichment results per cell-type-specific network.

Table S7: GO term enrichment results per Cluster.

Table S8: Disease term enrichment results hGPCRnet.

Table S9: Disease term enrichment results per cell type.

Table S10: Disease term enrichment results per Cluster

Supporting figures

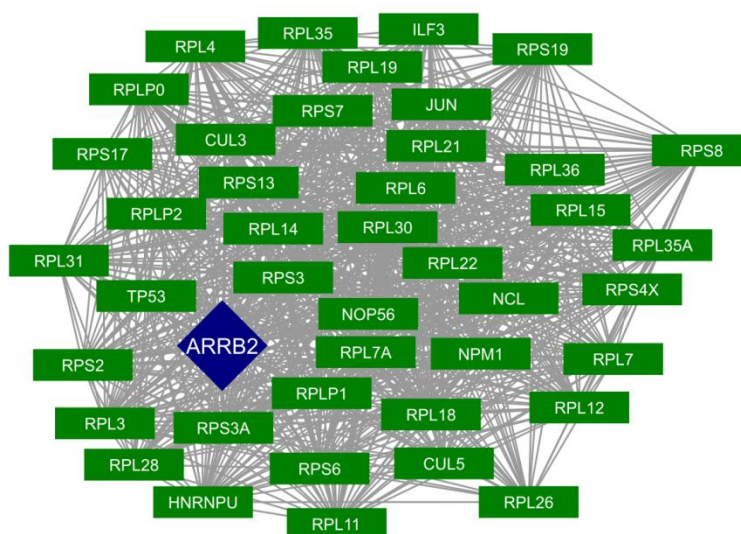


Figure S 1

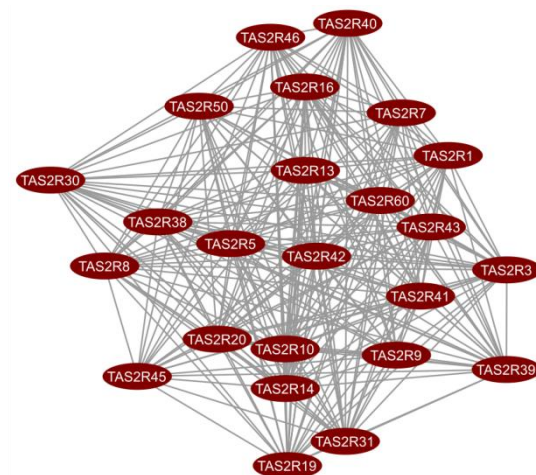


Figure S 2

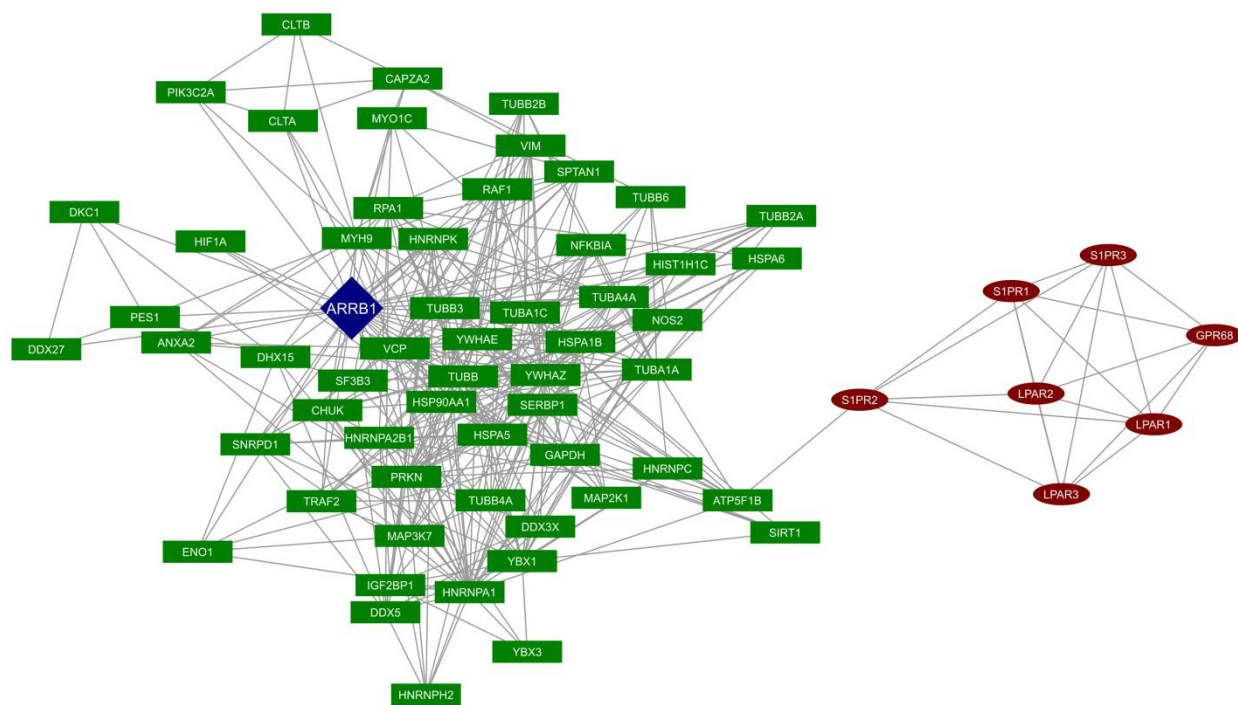


Figure S 3

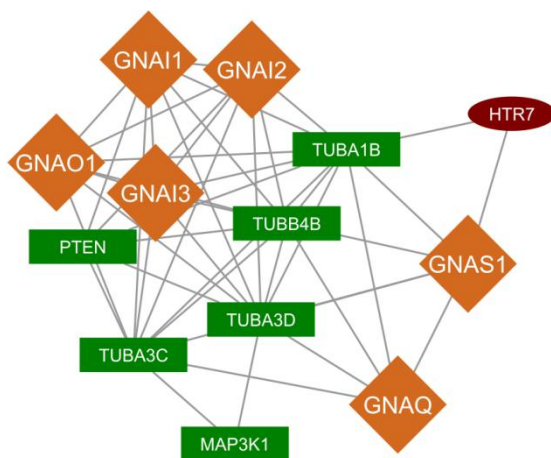


Figure S 4

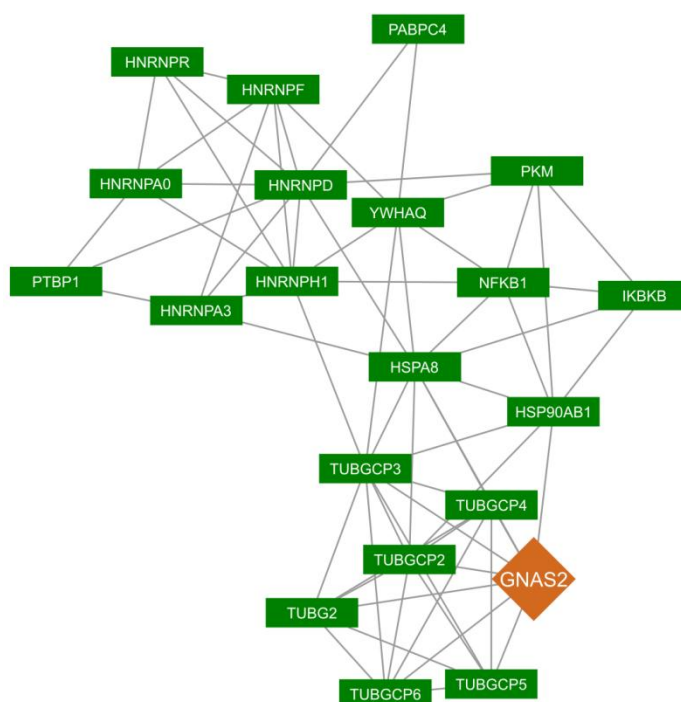


Figure S 5

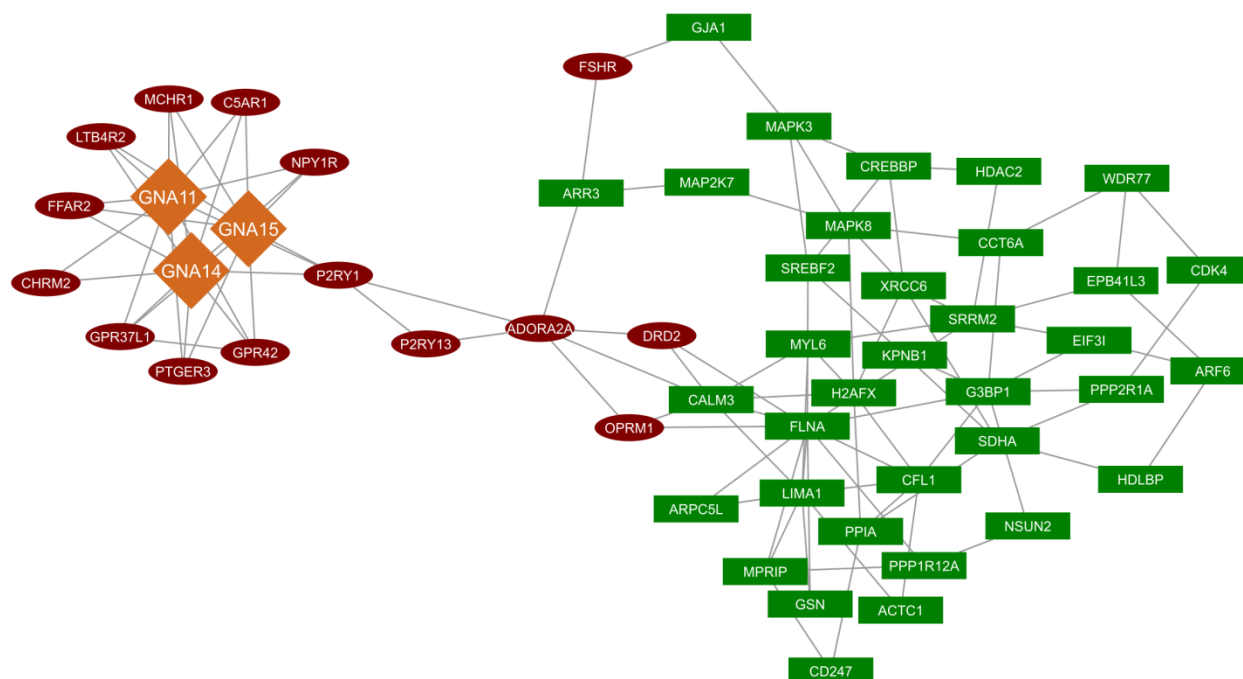


Figure S 6

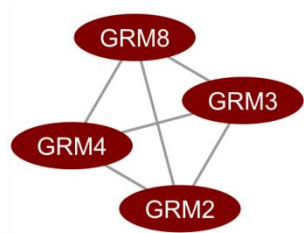


Figure S 7

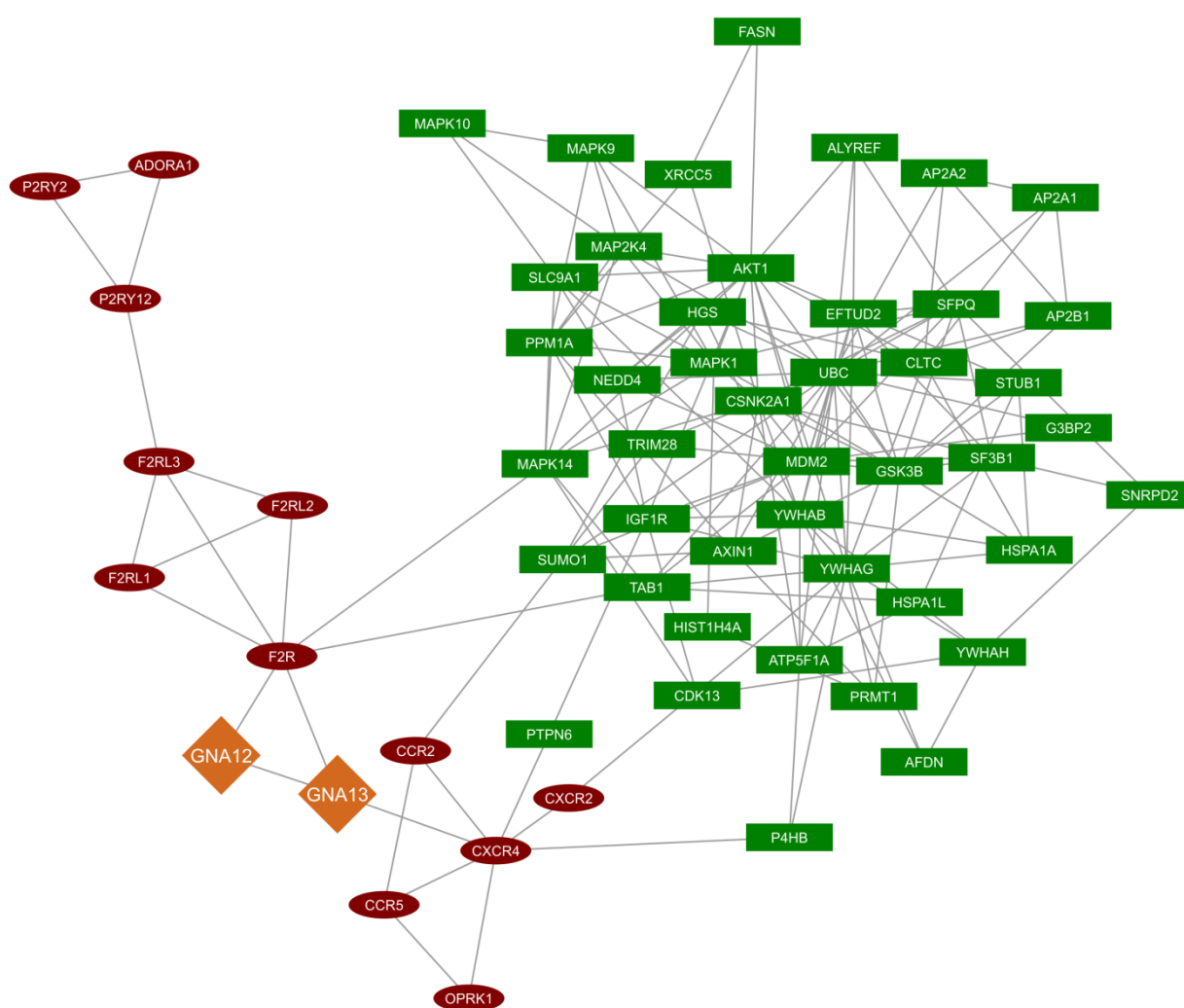


Figure S 8

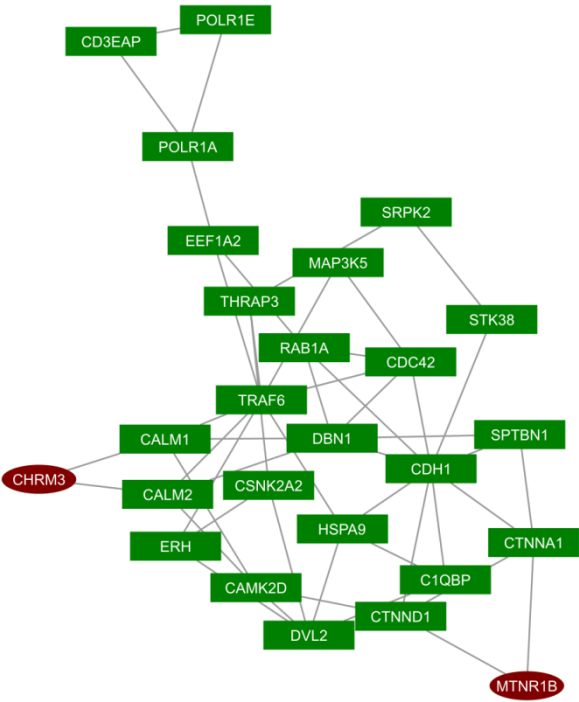


Figure S 9

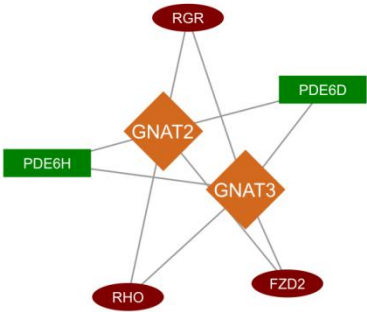


Figure S 10

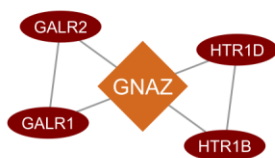


Figure S 11



Figure S 12

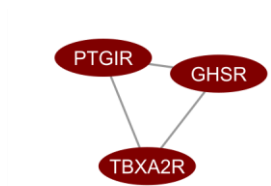


Figure S 13

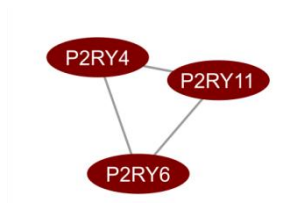


Figure S 14

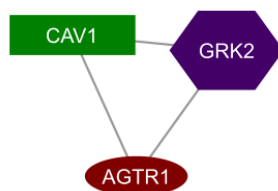


Figure S 15

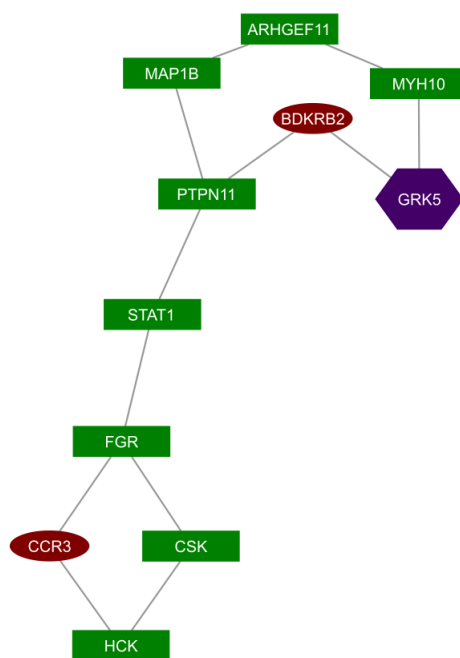


Figure S 16