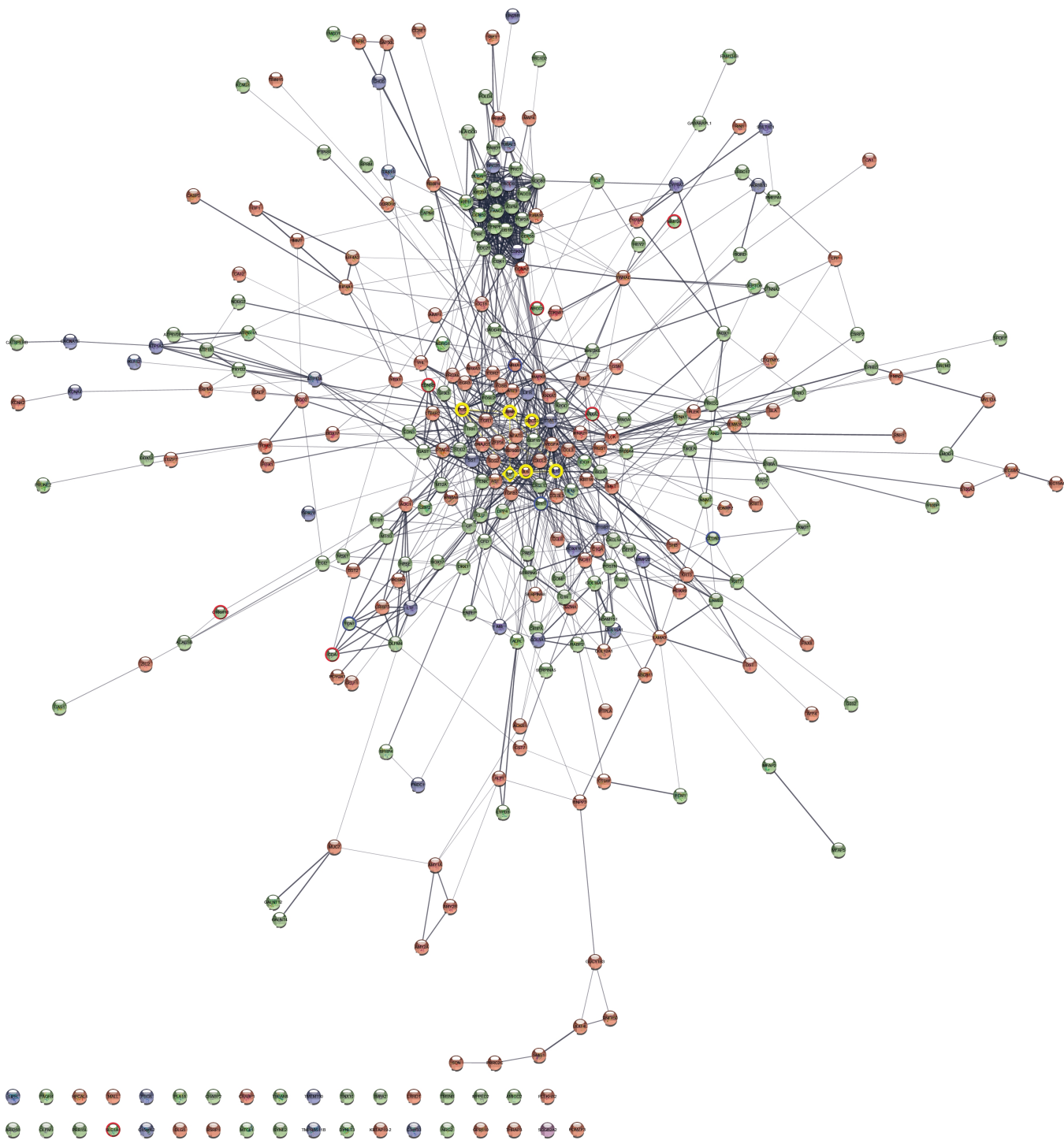


Construction of PPIN from
adenomyosis,
endometriosis and healthy
gene lists using STRING



Edge-weighted Spring Embedded Layout with the attribute "score"
(316 nodes, 1130 edges)

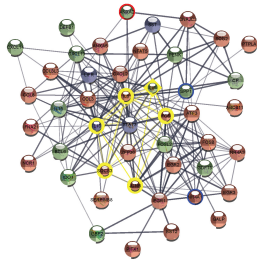
MLC clustering;
• Granularity parameter: 2.5
• Array source: the overall
STRING confidence score

LEGEND:	Node Fill Color	STATUS
	■	Adenomyosis gene list
	■	Endometriosis gene list
	■	Healthy gene list

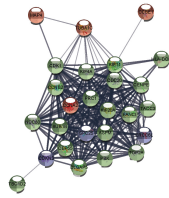
Green nodes mapped to healthy gene list that are encircled with blue or red refer to a shared genes with adenomyosis and endometriosis gene list, respectively. Shared SCGB2A2 node between adenomyosis, endometriosis and healthy genes is marked with violet color. Yellow encircled nodes and edges refer to prioritized candidate genes used in validation experiment.

Obtained clusters

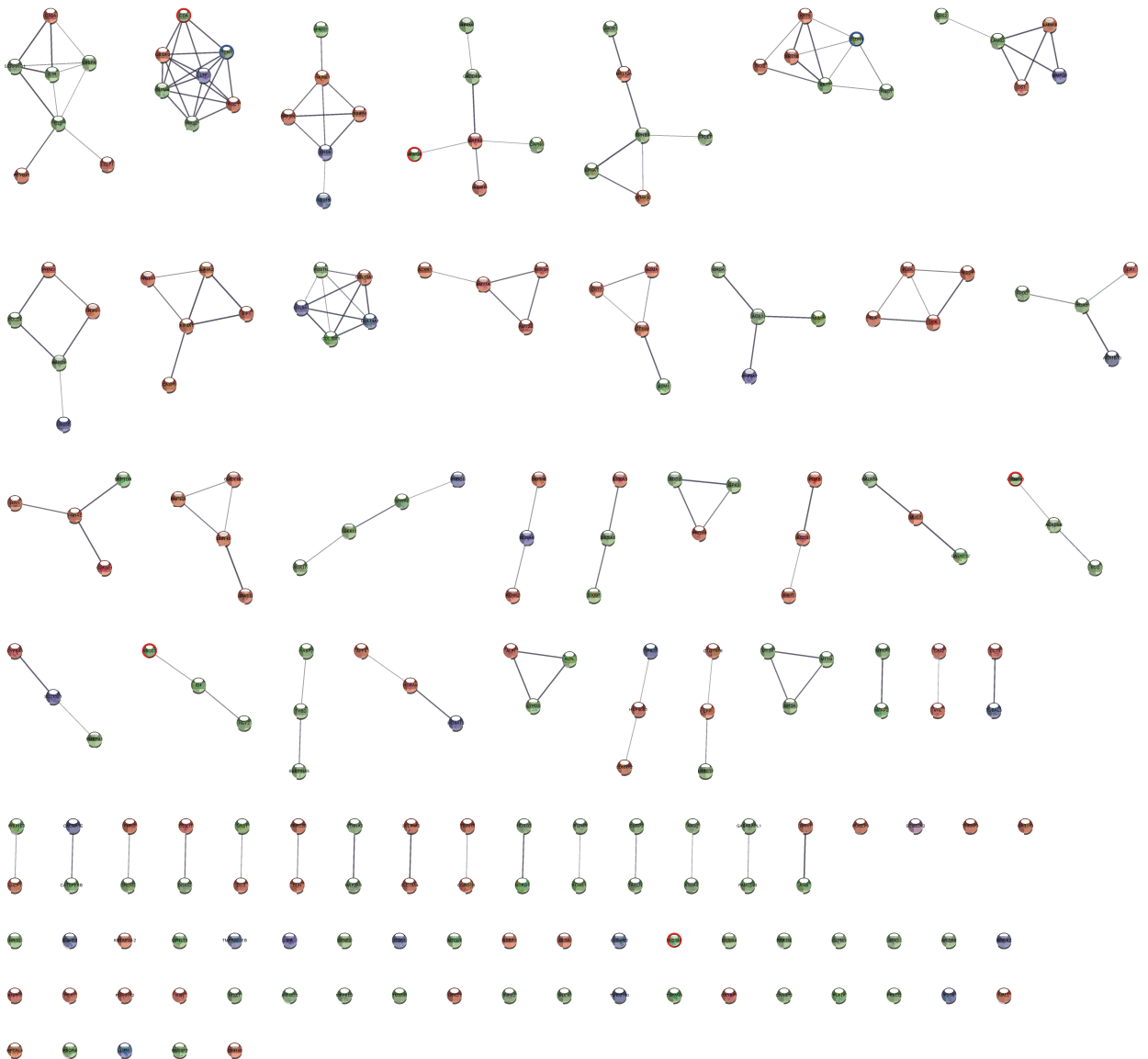
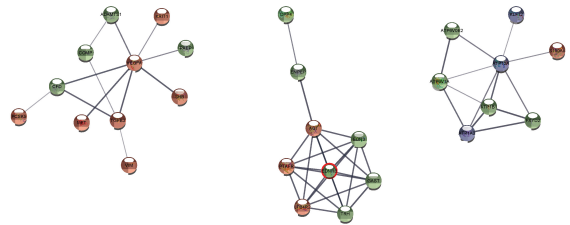
Cluster 1
(46 nodes, 210
edges)



Cluster 2
(26 nodes, 225
edges)



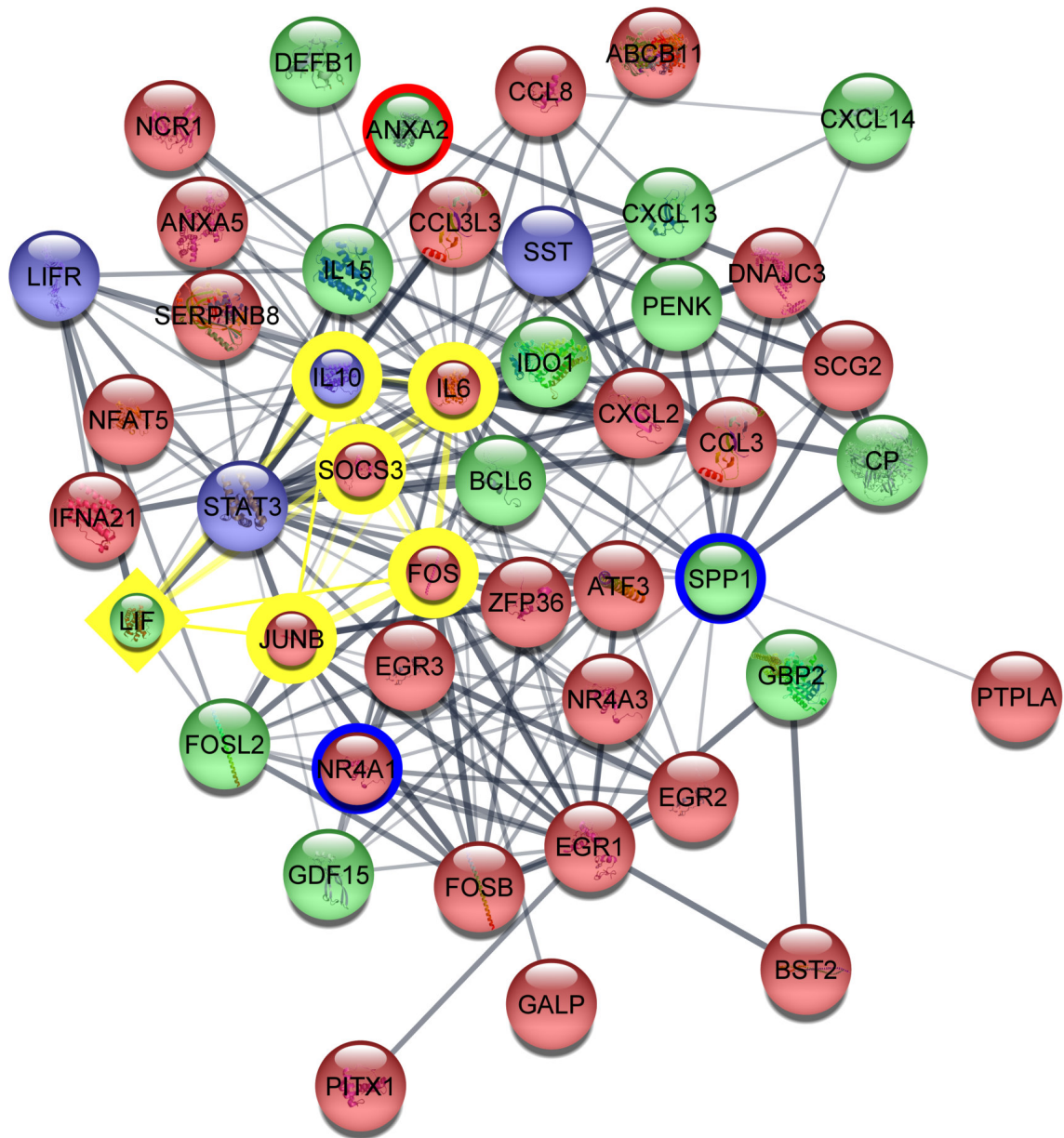
Cluster 3
(11 nodes, 12
edges)



Zoom of cluster 1, 2 and 3

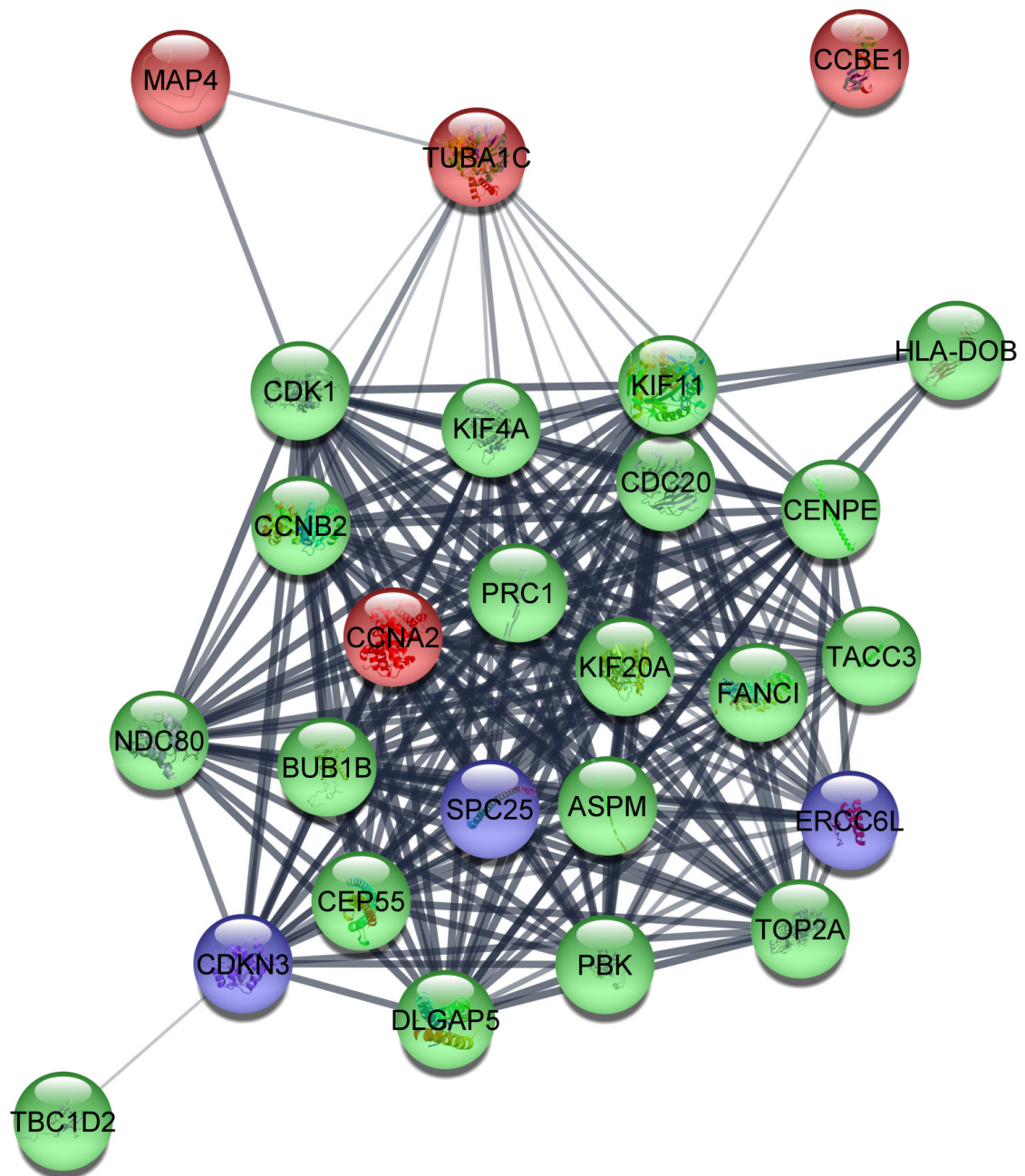
Cluster 1
(46 nodes, 210 edges)

Cluster 1
(46 nodes, 210 edges)



Cluster 2

(26 nodes, 225 edges)



Cluster 3
(11 nodes, 12 edges)

