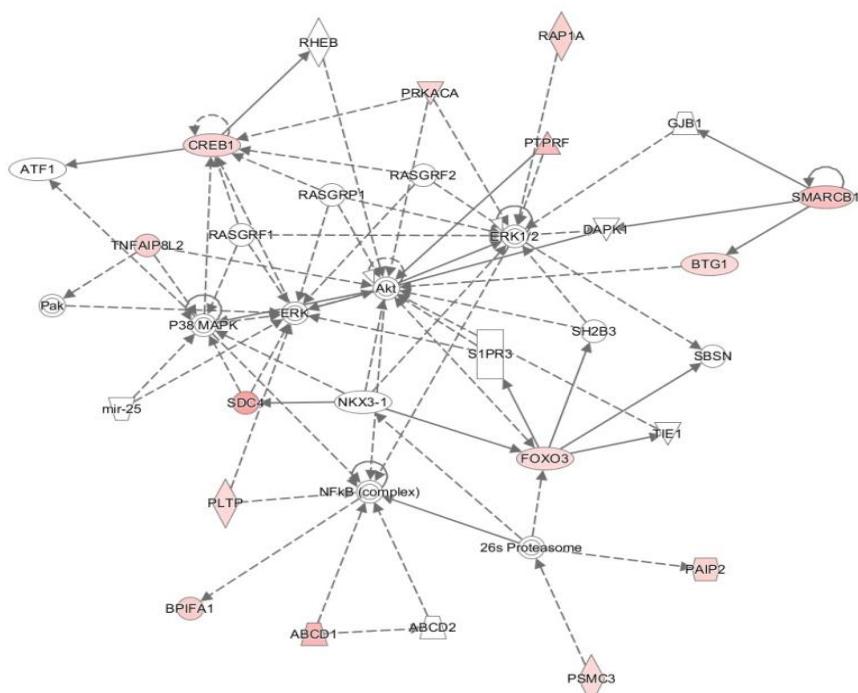


# Supplementary Figure 3

## SP-A1 (6A<sup>2</sup>)

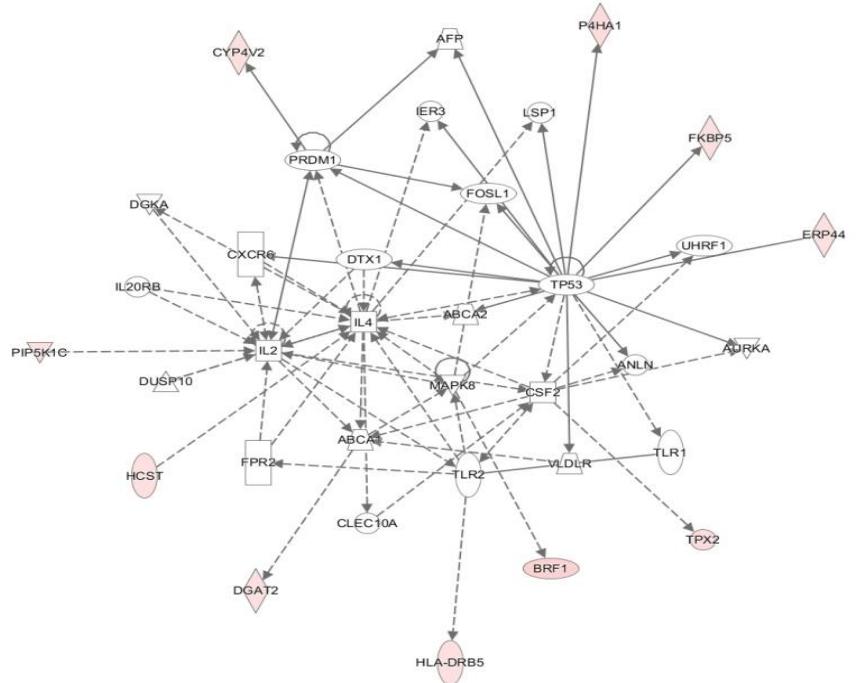
**Males**

### Cell cycle signaling node-1

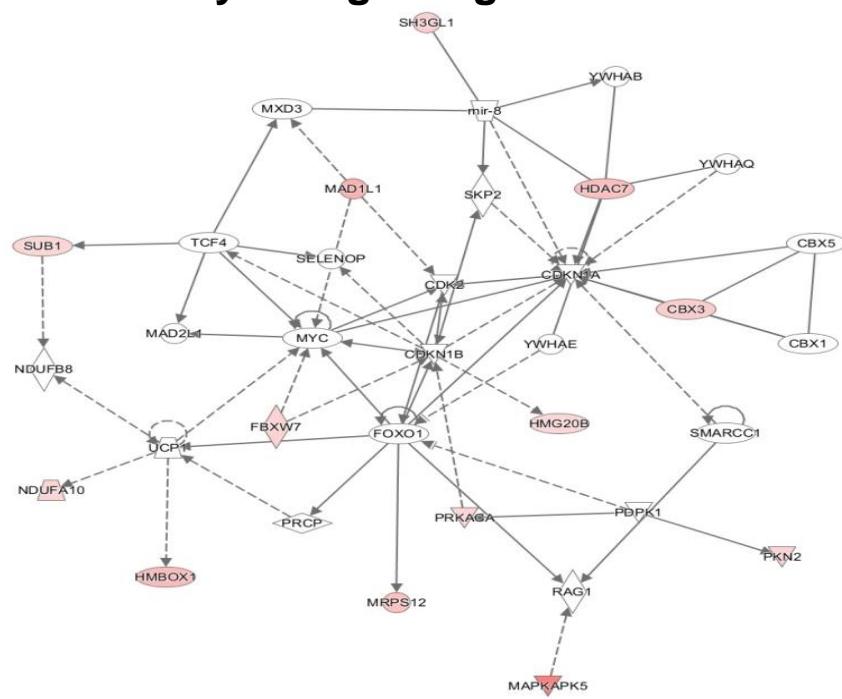


**Females**

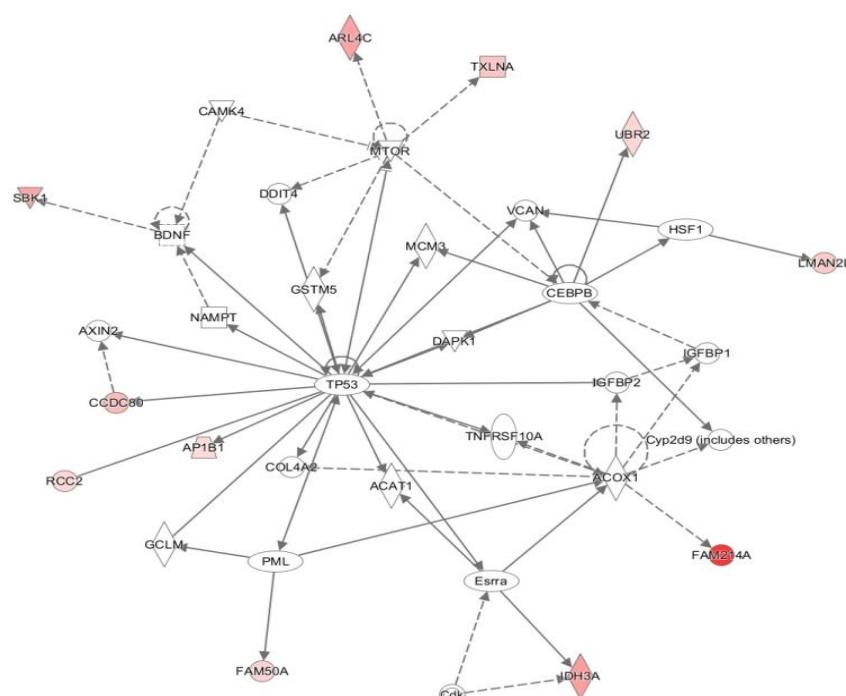
### TP-53 node



### Cell cycle signaling node-2



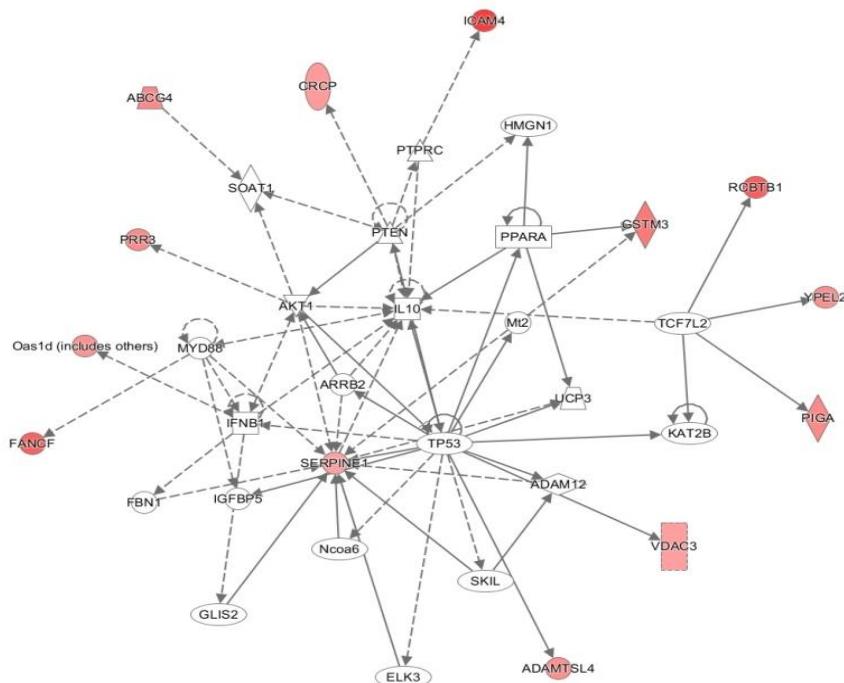
### TP-53 node



## SP-A1 (6A<sup>4</sup>)

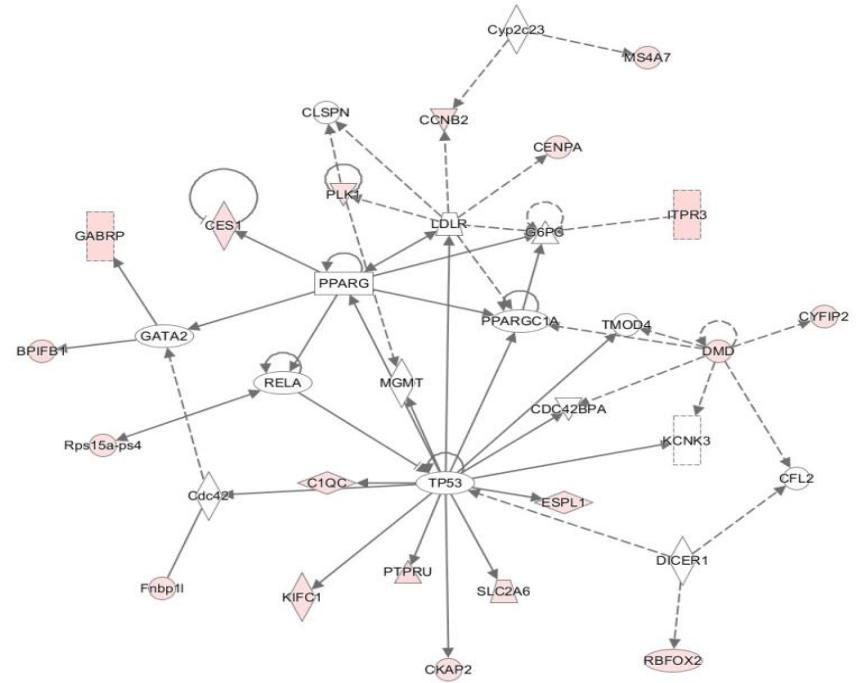
**Males**

**TP-53 node**



**Females**

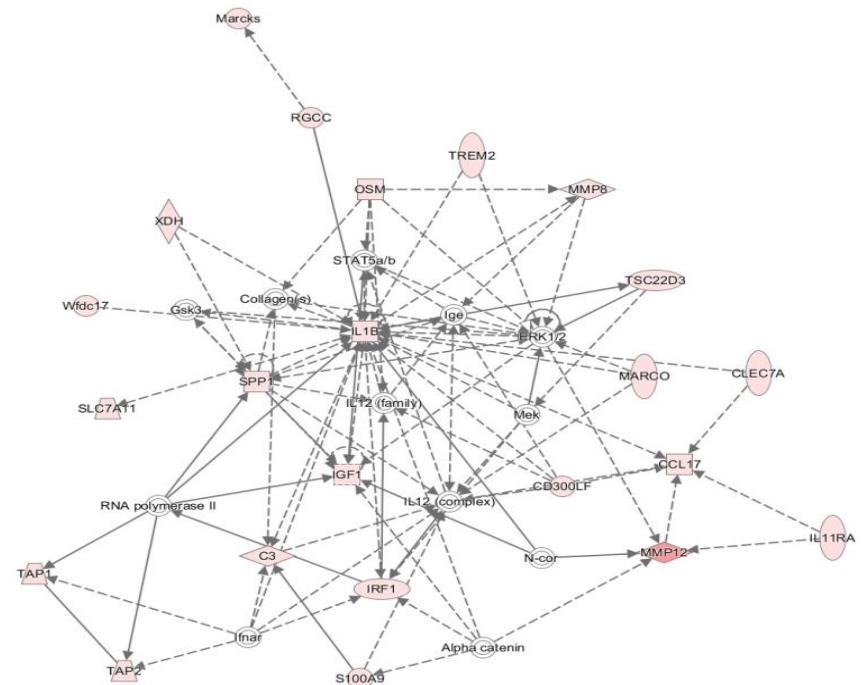
**TP-53 node**



## SP-A2 (1A<sup>3</sup>)

**Females**

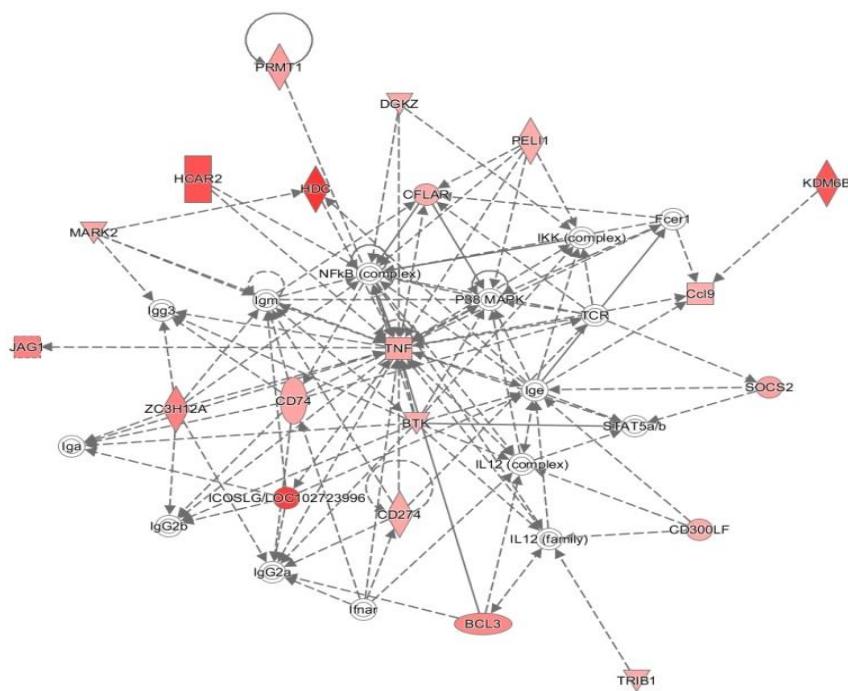
**Cell cycle signaling node**



# KO

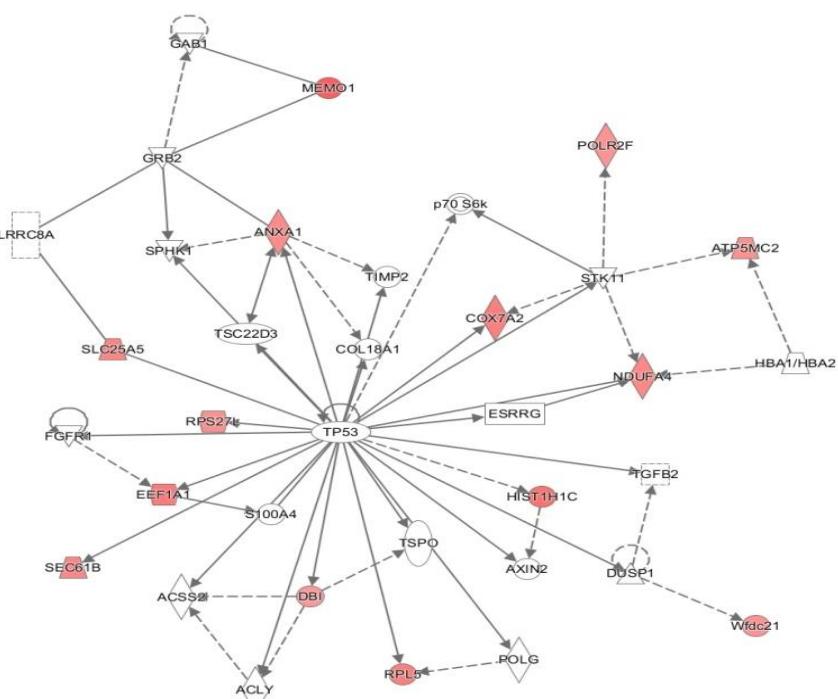
## Males

### TNF node

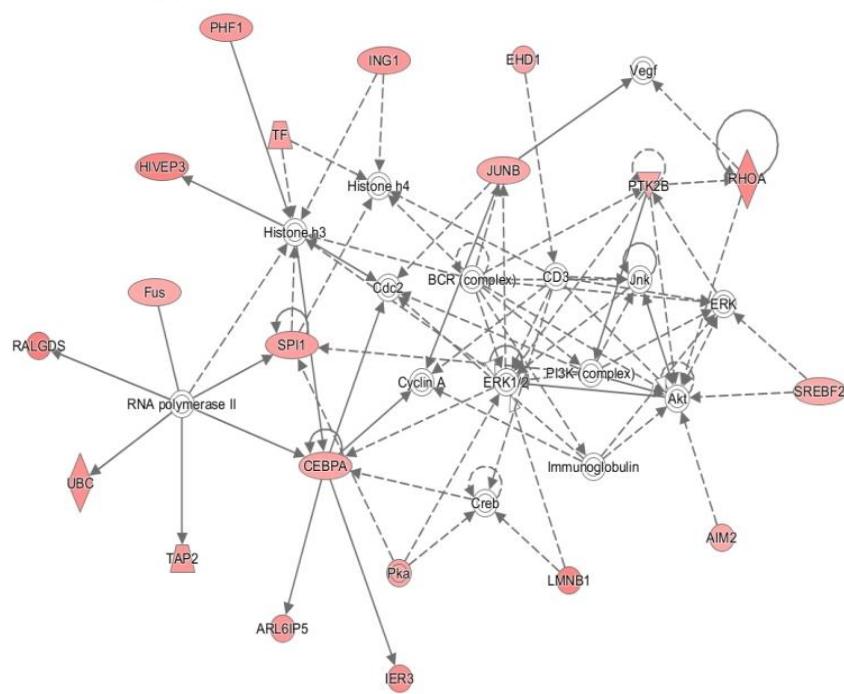


## Females

### TP-53 node



### Cell cycle signaling node



### TP-53 node

