

## Network file format

```

from    to
CDKN1A  TP53
TP53    MDM2
MDM4    TP53
BCL2L1  TP53
CHEK2   ATM
TP53    EP300
ATM     TP53
TP53    CREBBP
MDM4    MDM2
CHEK2   TP53
TP53BP2 TP53
CDKN2A  TP53
CDKN2A  MDM2
ATM     MDM2
EP300   CREBBP
MDM4    ATM
CHEK2   MDM4
CHEK2   MDM2
CDKN2A  CDKN1A
CDKN2A  MDM4
EP300   MDM2
CDKN1A  EP300
.       .
.       .
.       .

```

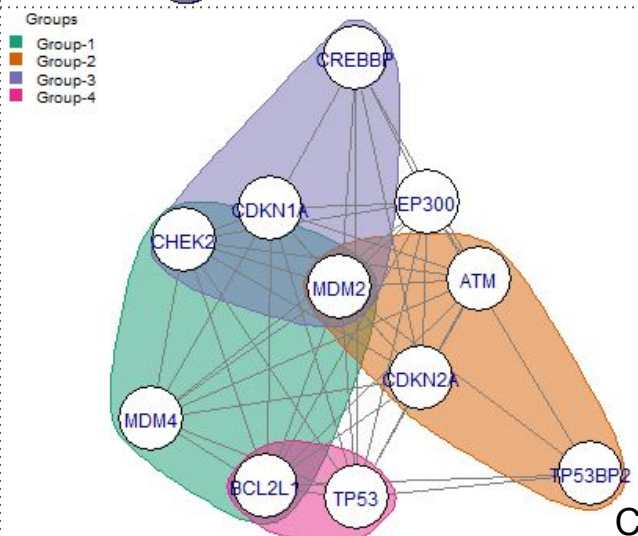
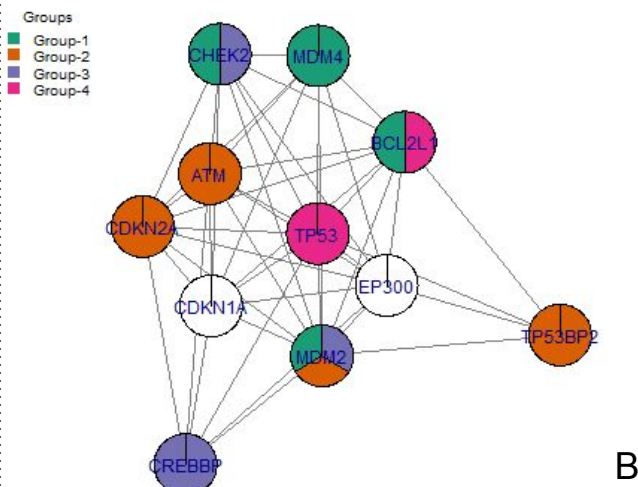
## Annotation file format

```

Group-1  BCL2L1,MDM4,MDM2,CHEK2
Group-2  CDKN2A,ATM,TP53BP2,MDM2
Group-3  CHEK2,CREBBP,MDM2
Group-4  TP53,BCL2L1

```

A



## Network file format

from	to
CDKN1A	TP53
TP53	MDM2
MDM4	TP53
BCL2L1	TP53
CHEK2	ATM
TP53	EP300
ATM	TP53
TP53	CREBBP
MDM4	MDM2
CHEK2	TP53
TP53BP2	TP53
CDKN2A	TP53
CDKN2A	MDM2
ATM	MDM2
EP300	CREBBP
MDM4	ATM
CHEK2	MDM4
CHEK2	MDM2
CDKN2A	CDKN1A
CDKN2A	MDM4
EP300	MDM2
CDKN1A	EP300
.	.
.	.
.	.

1: Choose Network

File upload

1. Upload

Choose file to upload

BROWSE...

No file selected

2. Name it

+ ADD

Network name

3. Add

## Annotation file format

Group-1	BCL2L1,MDM4,MDM2,CHEK2
Group-2	CDKN2A,ATM,TP53BP2,MDM2
Group-3	CHEK2,CREBBP,MDM2
Group-4	TP53,BCL2L1

2: Choose Annotation(s)

File upload

1. Upload

Choose file to upload

BROWSE...

No file selected

2. Name it

+ ADD

Annotation name

3. Add

#### Selected network

STRING

Select one of the uploaded networks

#### Selected annotation

STRING Annotation

Select one of the uploaded annotations

TABLE VIEW OF NETWORK(S)

TABLE VIEW OF ANNOTATION(S)

Show 10 entries

Search:

Source	Target
CDKN1A	TP53
CDKN1A	MDM4
CDKN1A	BCL2L1
CDKN1A	CHEK2
CDKN1A	ATM
CDKN1A	CDKN2A
CDKN1A	EP300
CDKN1A	CREBBP
CDKN1A	MDM2
TP53	MDM4

Network Table  
View

Showing 1 to 10 of 46 entries

Previous

1

2

3

4

5

Next

Network connections in pages

### Selected network

STRING

### Selected annotation

STRING Annotation

TABLE VIEW OF NETWORK(S)

TABLE VIEW OF ANNOTATION(S)

Show 10 entries

Search:

Search field

Annotations	Nodes
Group-2, 3	BCL2L1,MDM4,MDM2,CHEK2
Group-5	TP53,EP300
Group-1	CDKN2A,ATM,TP53BP2,MDM2
Group-4	CHEK2,CREBBP,MDM2
Group-3	TP53,BCL2L1
Group-6	MDM4,MDM2

Annotation  
Table View

Showing 1 to 6 of 6 entries

Previous

1

Next

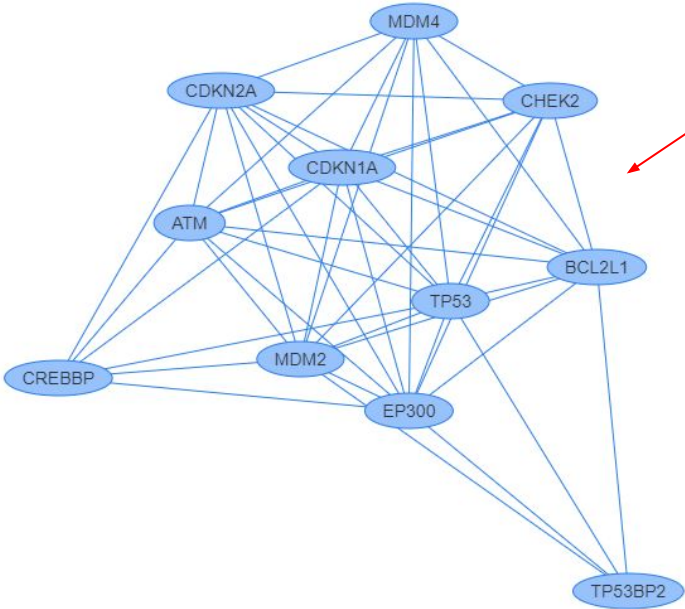
Selected network

STRING

INTERACTIVE NETWORK

AUTOMATED ANNOTATIONS/CLUSTERING

Select by id



Network interactive  
view



INTERACTIVE NETWORK

AUTOMATED ANNOTATIONS/CLUSTERING

Community Detection Algorithms:

Fast-Greedy

EXPORT AS ANNOTATION FILE

☐ Show Labels

Community Detection Algorithms:

Fast-Greedy

Fast-Greedy

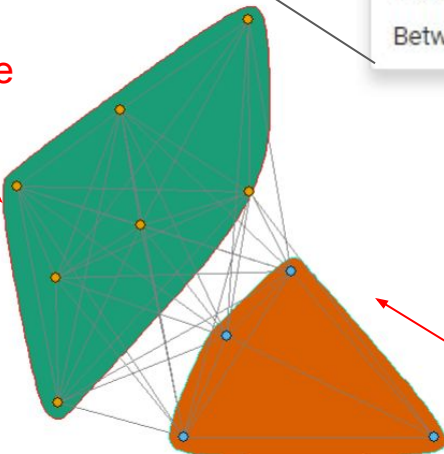
Louvain

Label-Propagation

Walktrap

Betweenness

Static at-a-glance  
view



Calculated  
groups

Show 10 entries

Search:

Annotations

Nodes

Group-1 CDKN1A,MDM4,CHEK2,ATM,CDKN2A,EP300,CREBBP

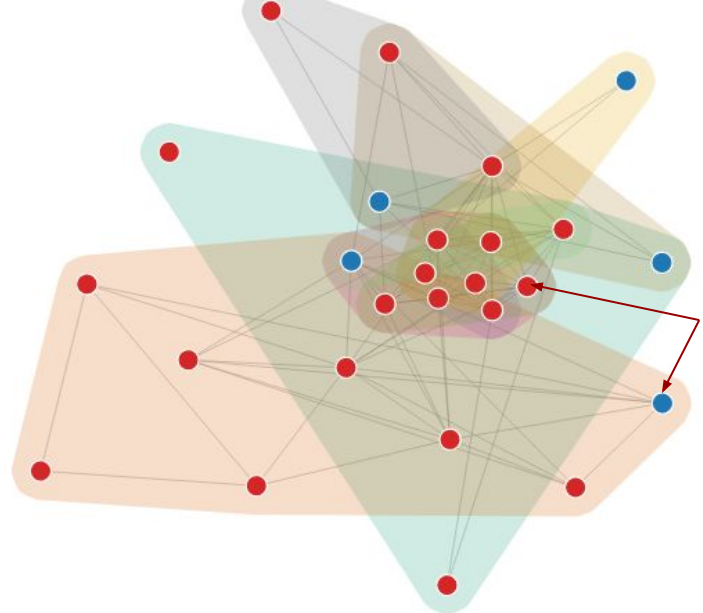
Group-2 TP53,BCL2L1,TP53BP2,MDM2

Showing 1 to 2 of 2 entries

Previous

1

Next



Nodes filled with  
expression colors

Node borders  
marked with  
expression colors

