

Pathway: KEGG_ANTIGEN_PROCESSING_AND_PRESENTATION

There are 39 genes in this pathway

CMS1

Hub Gene (CMS1): HLA-DRA

Weight Factor: 1.365

Hub Gene (CMS3): TAP2

Weight Factor: 0.899

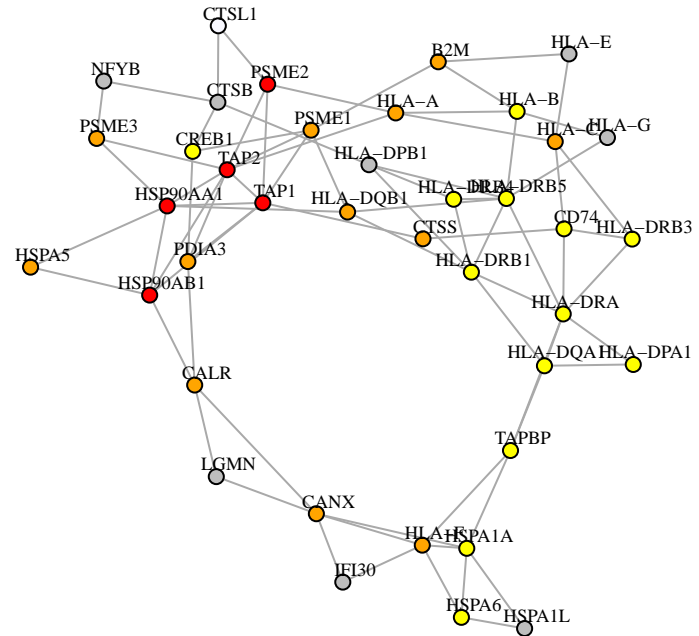
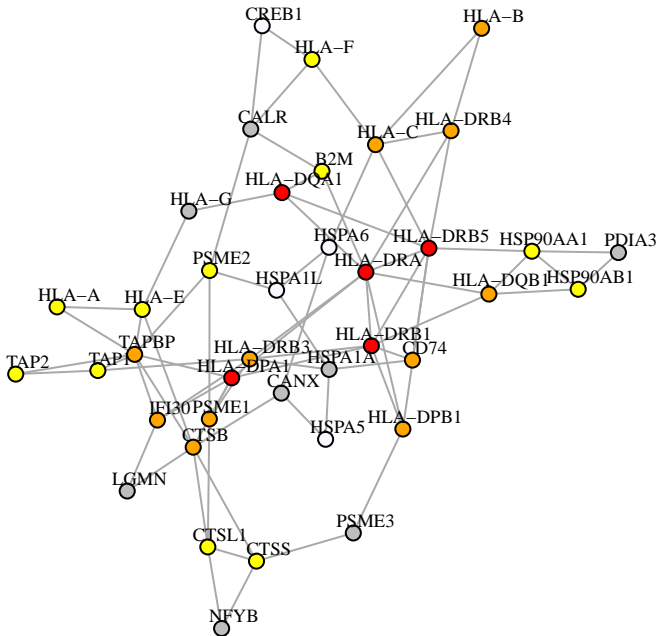
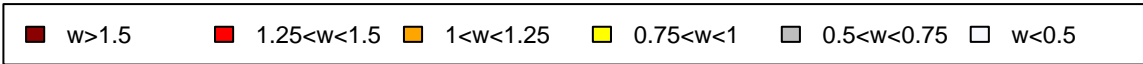
CMS3

Hub Gene (CMS3): TAP2

Weight Factor: 1.358

Hub Gene (CMS1): HLA-DRA

Weight Factor: 0.964



Pathway: KEGG_CYTOSOLIC_DNA_SENSING_PATHWAY

There are 18 genes in this pathway

CMS1

Hub Gene (CMS1): DDX58

Weight Factor: 1.345

Hub Gene (CMS3): IL18

Weight Factor: 0.818

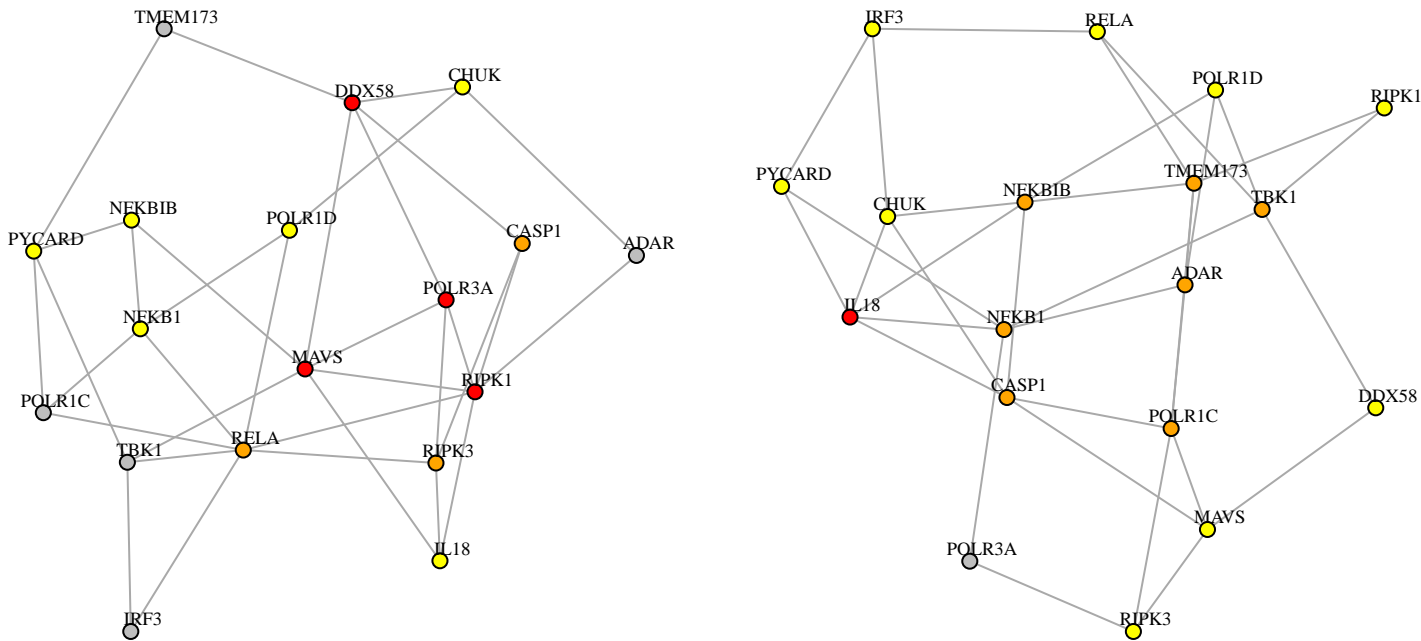
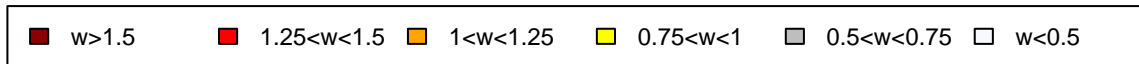
CMS3

Hub Gene (CMS3): IL18

Weight Factor: 1.264

Hub Gene (CMS1): DDX58

Weight Factor: 0.777



Pathway: KEGG_PATHWAYS_IN_CANCER

There are 122 genes in this pathway

CMS1

Hub Gene (CMS1): MAPK9

Weight Factor: 1.344

Hub Gene (CMS3): MSH2

Weight Factor: 0.953

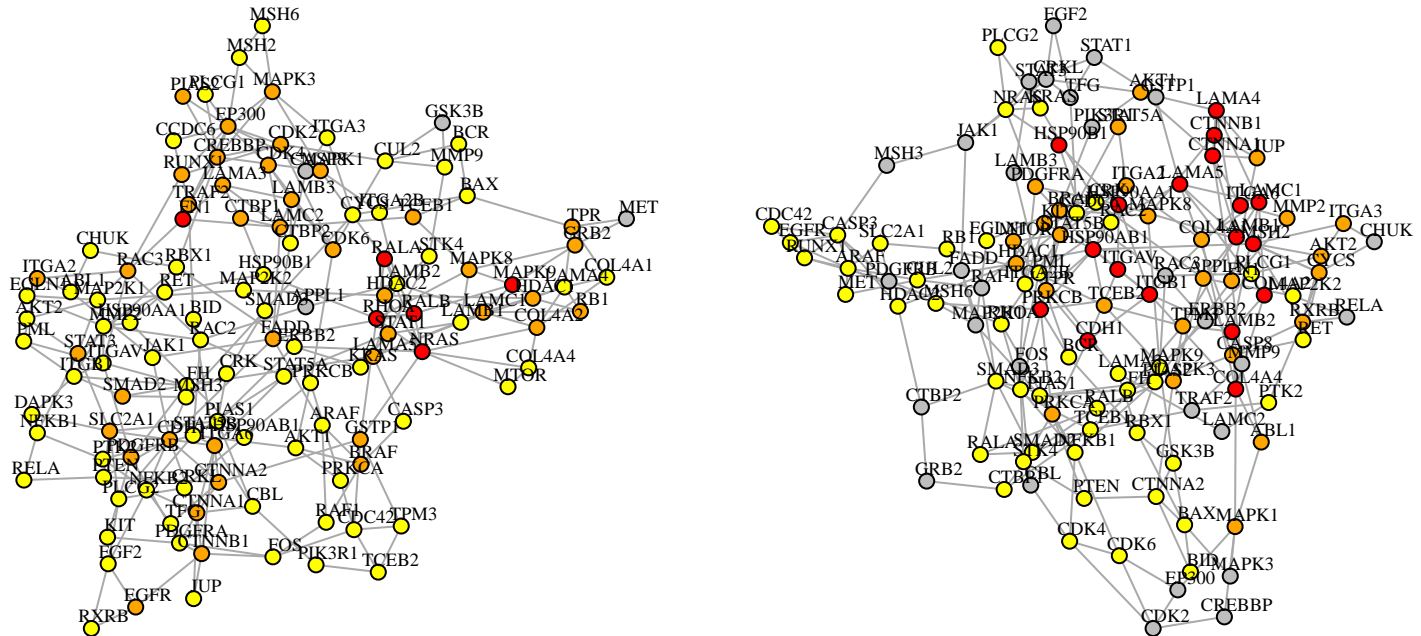
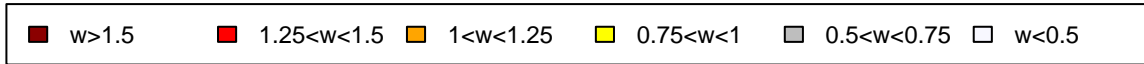
CMS3

Hub Gene (CMS3): MSH2

Weight Factor: 1.458

Hub Gene (CMS1): MAPK9

Weight Factor: 0.883



Pathway: KEGG_SMALL_CELL_LUNG_CANCER

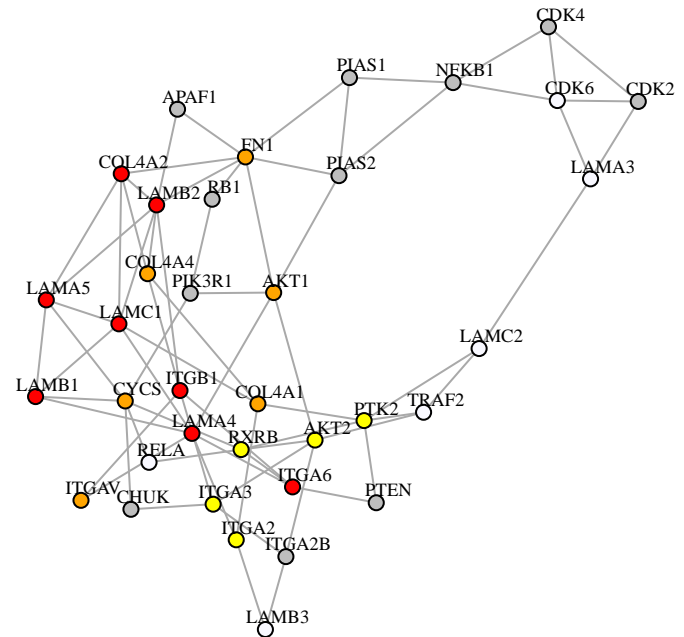
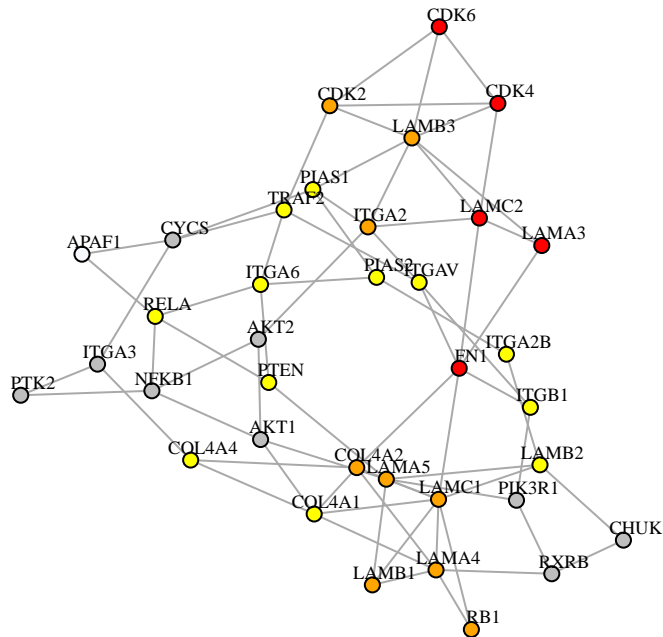
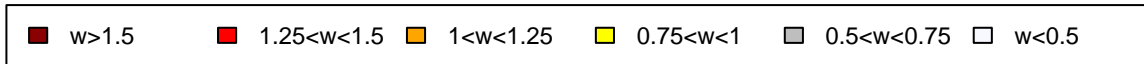
There are 36 genes in this pathway

CMS1

Hub Gene (CMS1): FN1
Weight Factor: 1.385
Hub Gene (CMS3): LAMC1
Weight Factor: 1.235

CMS3

Hub Gene (CMS3): LAMC1
Weight Factor: 1.344
Hub Gene (CMS1): FN1
Weight Factor: 1.189



Pathway: KEGG_VIRAL_MYOCARDITIS

There are 41 genes in this pathway

CMS1

Hub Gene (CMS1): HLA-DRA

Weight Factor: 1.486

Hub Gene (CMS3): CAV1

Weight Factor: 0.697

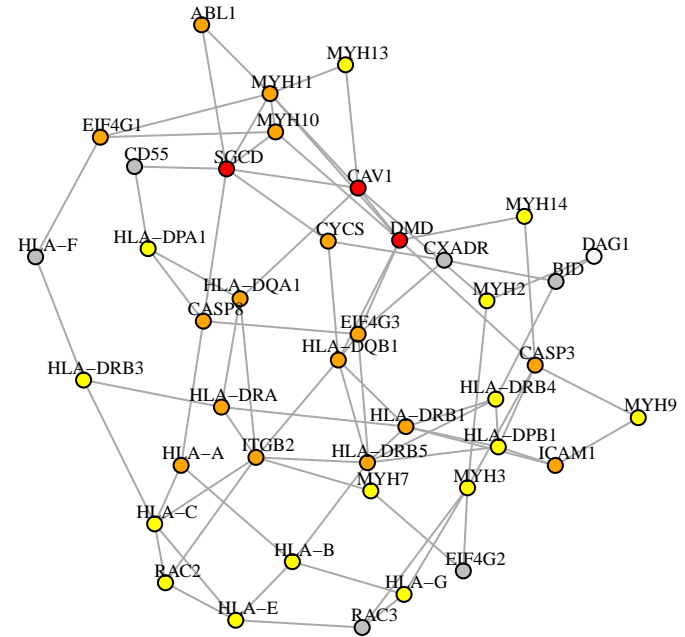
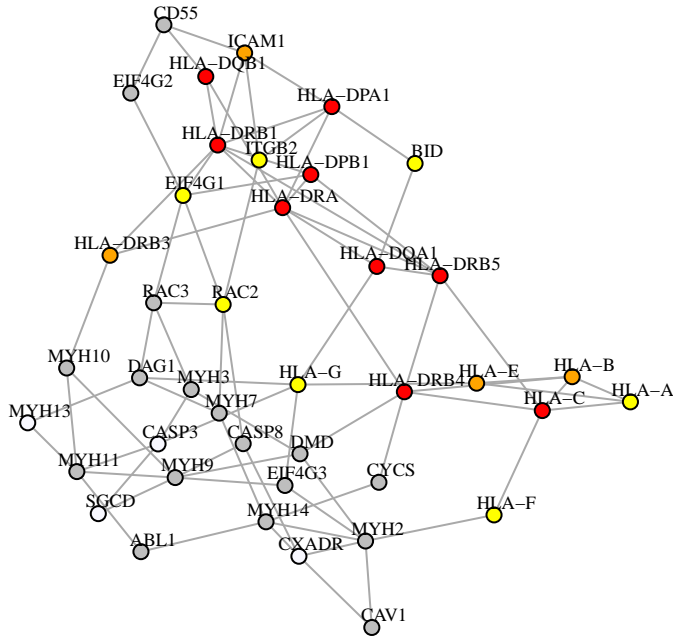
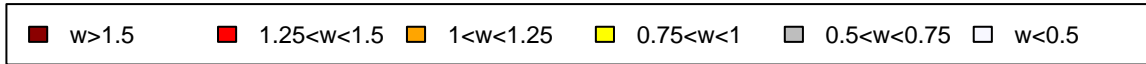
CMS3

Hub Gene (CMS3): CAV1

Weight Factor: 1.374

Hub Gene (CMS1): HLA-DRA

Weight Factor: 1.076



Pathway: KEGG_PURINE_METABOLISM

There are 64 genes in this pathway

CMS2

Hub Gene (CMS2): POLD2

Weight Factor: 1.318

Hub Gene (CMS134): POLR2A

Weight Factor: 0.901

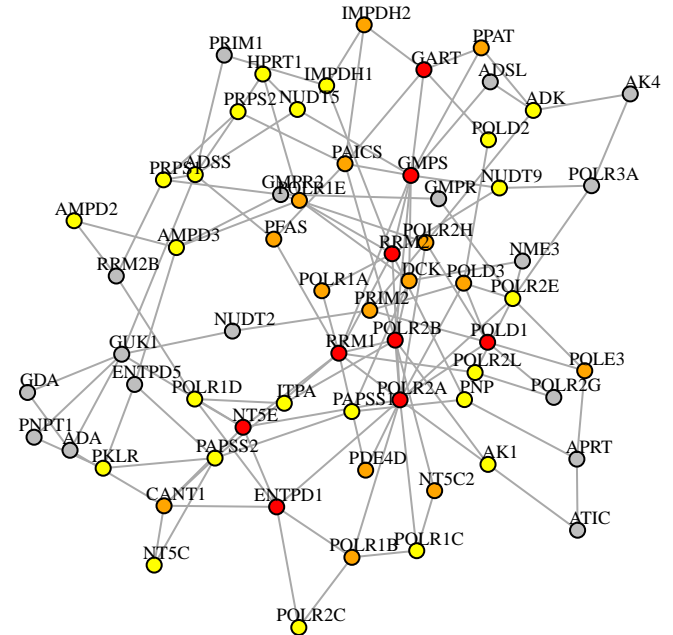
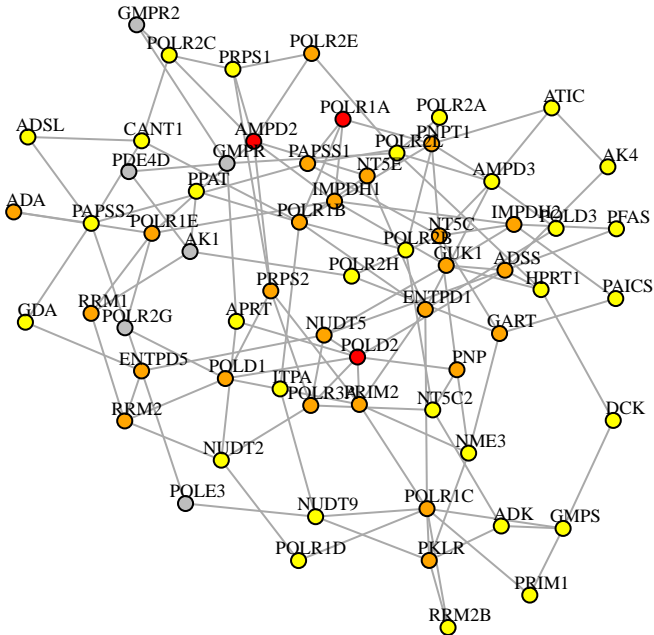
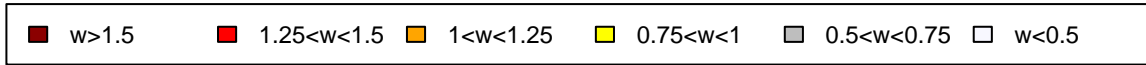
CMS134

Hub Gene (CMS134): POLR2A

Weight Factor: 1.483

Hub Gene (CMS2): POLD2

Weight Factor: 0.983

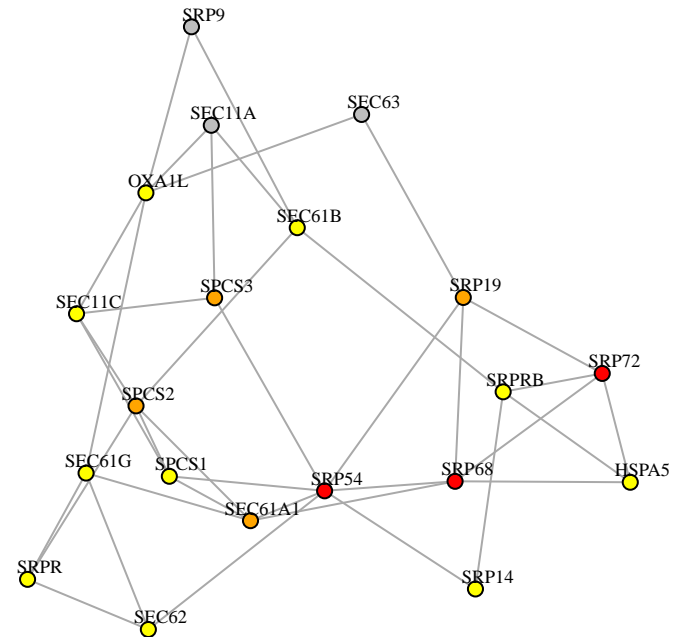
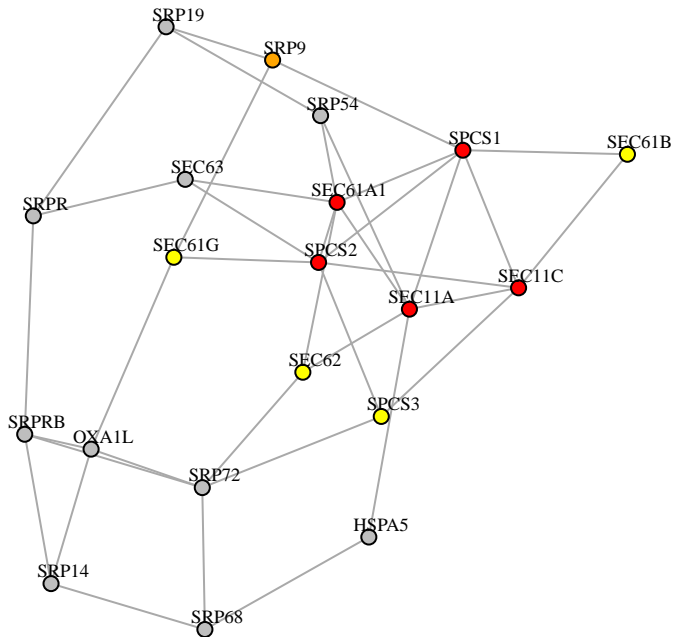
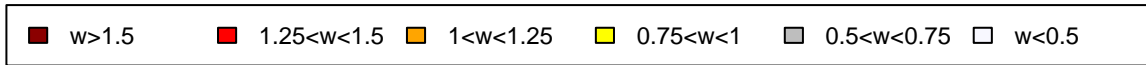


Pathway: KEGG_PROTEIN_EXPORT

There are 20 genes in this pathway

CMS2
Hub Gene (CMS2): SPCS1
Weight Factor: 1.425
Hub Gene (CMS134): SRP54
Weight Factor: 0.739

CMS134
Hub Gene (CMS134): SRP54
Weight Factor: 1.353
Hub Gene (CMS2): SPCS1
Weight Factor: 0.972



Pathway: KEGG_NUCLEOTIDE_EXCISION_REPAIR

There are 22 genes in this pathway

CMS2

Hub Gene (CMS2): PCNA

Weight Factor: 1.314

Hub Gene (CMS134): PCNA

Weight Factor: 1.314

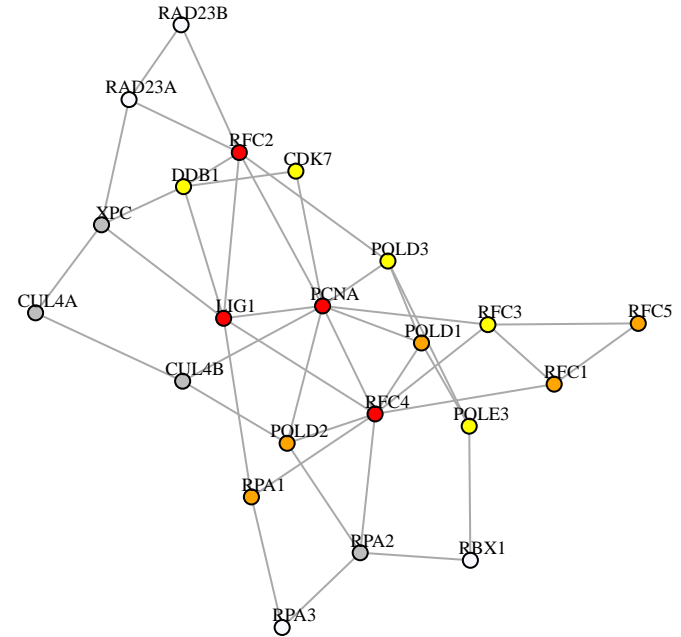
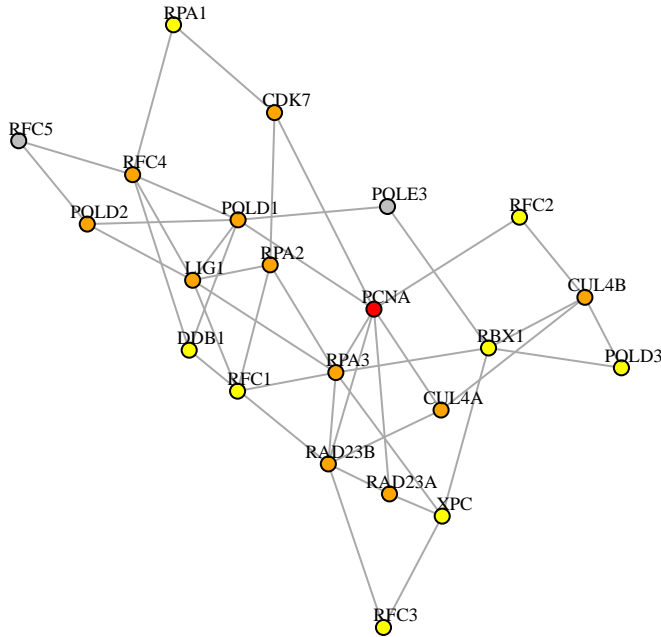
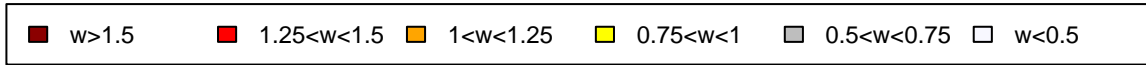
CMS134

Hub Gene (CMS134): PCNA

Weight Factor: 1.455

Hub Gene (CMS2): PCNA

Weight Factor: 1.455

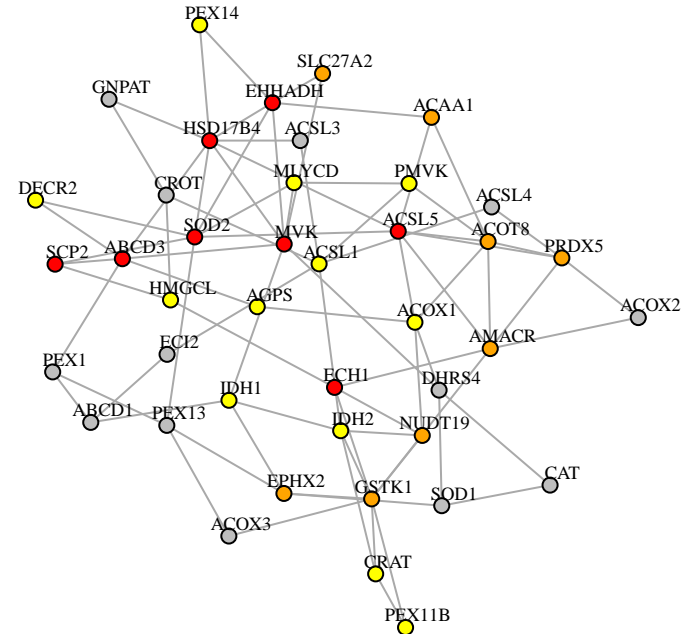
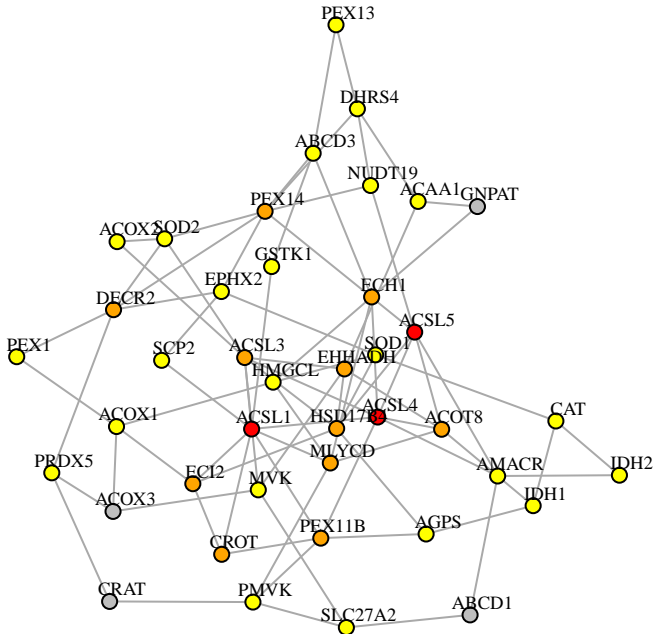
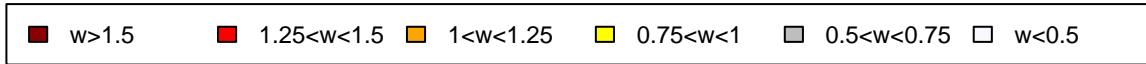


Pathway: KEGG_PEROXISOME

There are 41 genes in this pathway

CMS2
Hub Gene (CMS2): ACSL1
Weight Factor: 1.391
Hub Gene (CMS134): ACSL5
Weight Factor: 1.275

CMS134
Hub Gene (CMS134): ACSL5
Weight Factor: 1.408
Hub Gene (CMS2): ACSL1
Weight Factor: 0.767

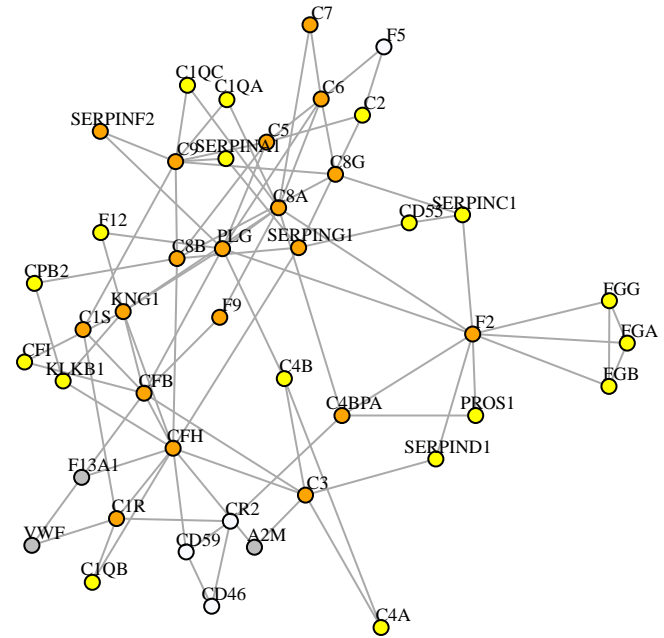
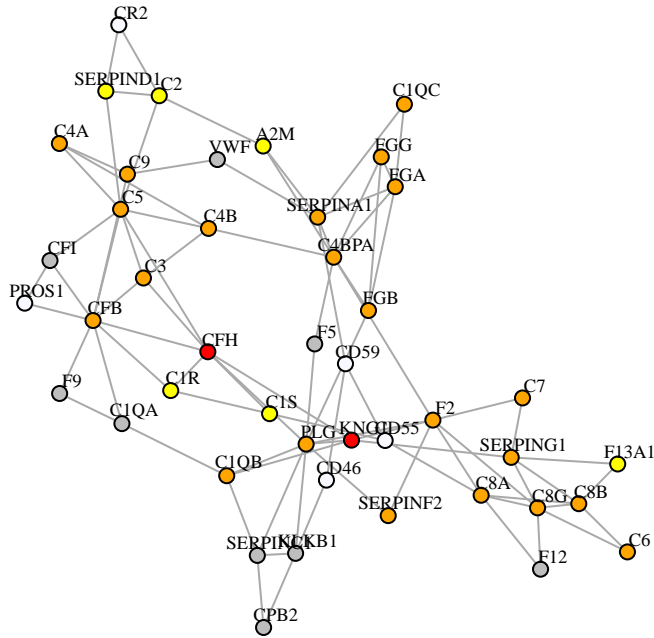
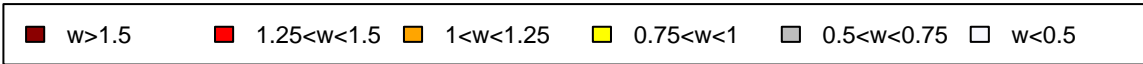


Pathway: KEGG_COMPLEMENT_AND_COAGULATION_CASCADES

There are 44 genes in this pathway

CMS2
Hub Gene (CMS2): **KNG1**
Weight Factor: 1.26
Hub Gene (CMS134): **KNG1**
Weight Factor: 1.26

CMS134
Hub Gene (CMS134): **KNG1**
Weight Factor: 1.191
Hub Gene (CMS2): **KNG1**
Weight Factor: 1.191

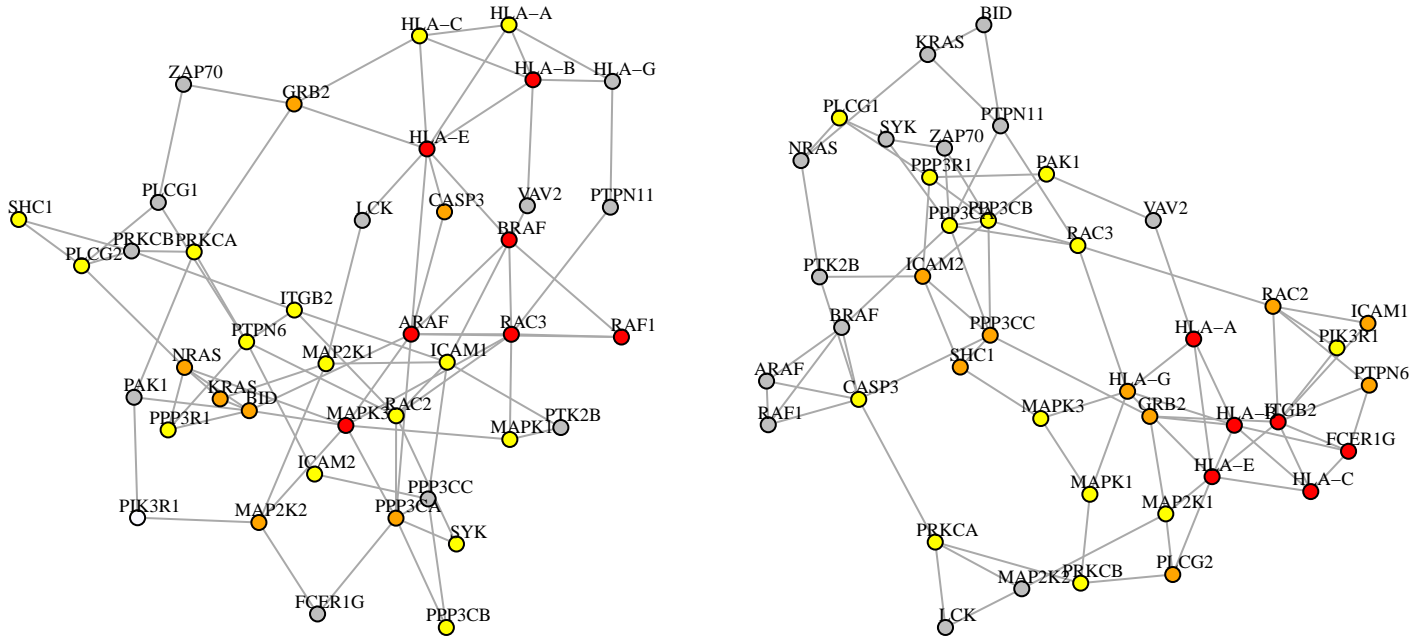
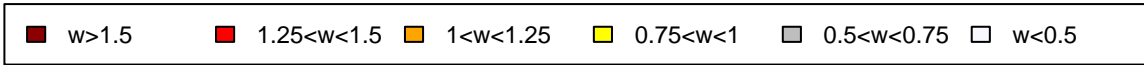


Pathway: KEGG_NATURAL_KILLER_CELL_MEDIATED_CYTOTOXICITY

There are 41 genes in this pathway

CMS2
Hub Gene (CMS2): MAPK3
Weight Factor: 1.41
Hub Gene (CMS134): HLA-B
Weight Factor: 1.277

CMS134
Hub Gene (CMS134): HLA-B
Weight Factor: 1.48
Hub Gene (CMS2): MAPK3
Weight Factor: 0.794



Pathway: KEGG_PRION_DISEASES

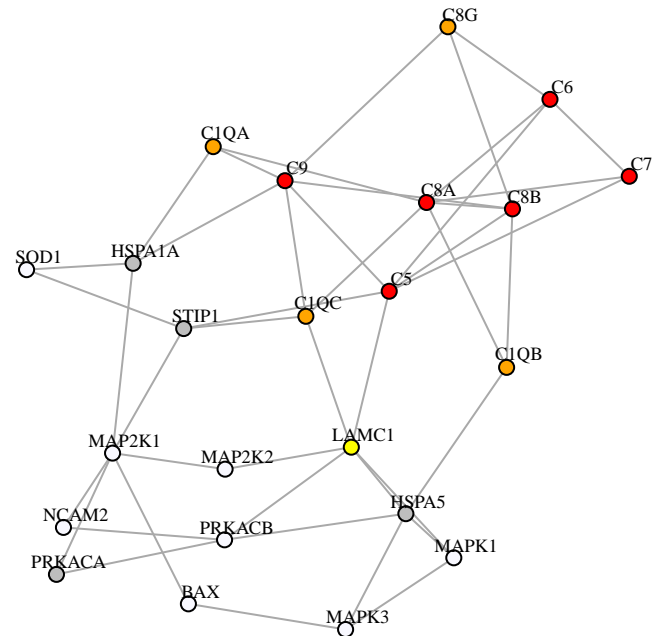
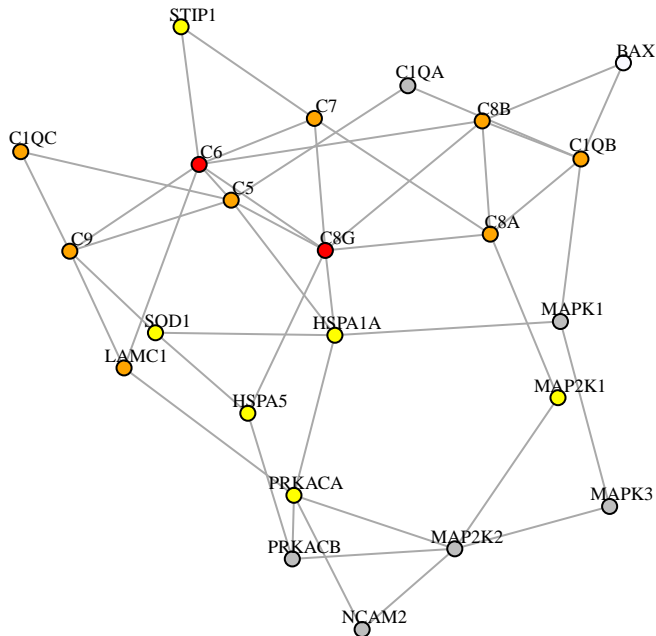
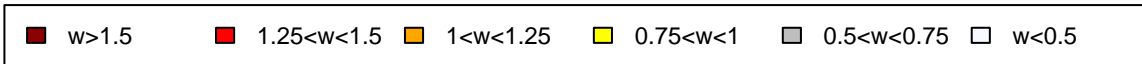
There are 23 genes in this pathway

CMS2

Hub Gene (CMS2): C8G
Weight Factor: 1.334
Hub Gene (CMS134): C8A
Weight Factor: 1.166

CMS134

Hub Gene (CMS134): C8A
Weight Factor: 1.328
Hub Gene (CMS2): C8G
Weight Factor: 1.199



Pathway: KEGG_ENDOMETRIAL_CANCER

There are 23 genes in this pathway

CMS2

Hub Gene (CMS2): ARAF

Weight Factor: 1.381

Hub Gene (CMS134): CTNNA1

Weight Factor: 0.847

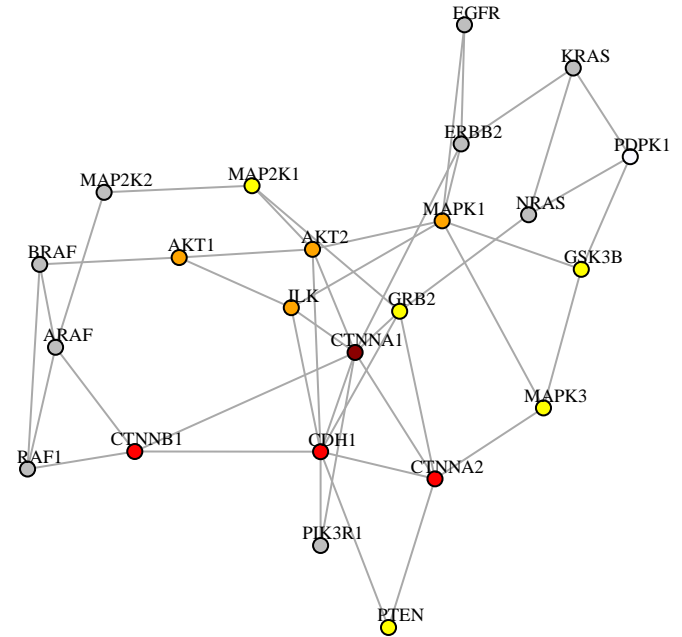
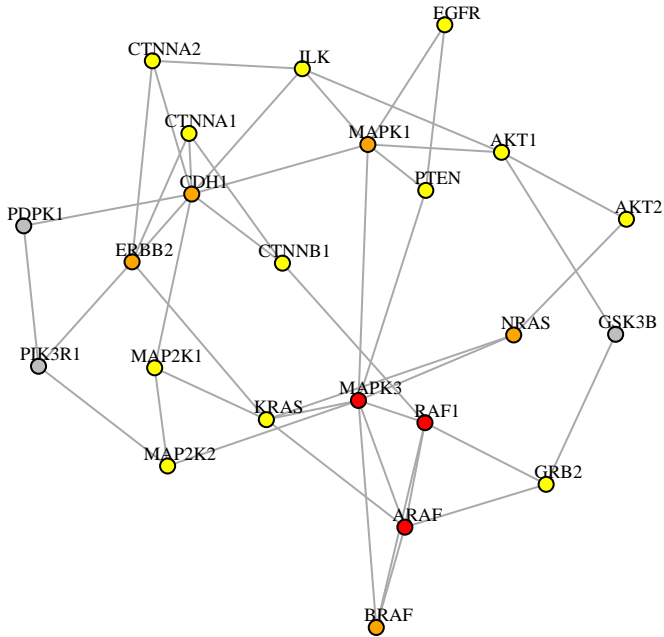
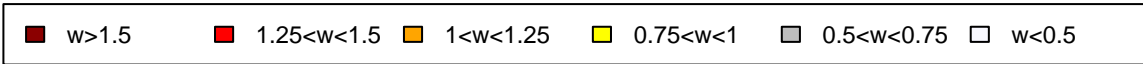
CMS134

Hub Gene (CMS134): CTNNA1

Weight Factor: 1.539

Hub Gene (CMS2): ARAF

Weight Factor: 0.704



Pathway: KEGG_ACUTE_MYELOID_LEUKEMIA

There are 25 genes in this pathway

CMS2

Hub Gene (CMS2): ARAF

Weight Factor: 1.42

Hub Gene (CMS134): STAT5B

Weight Factor: 1.042

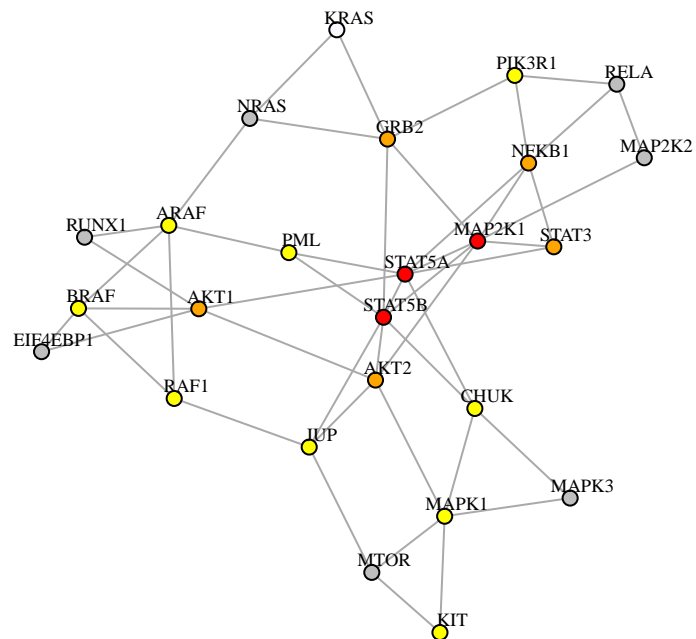
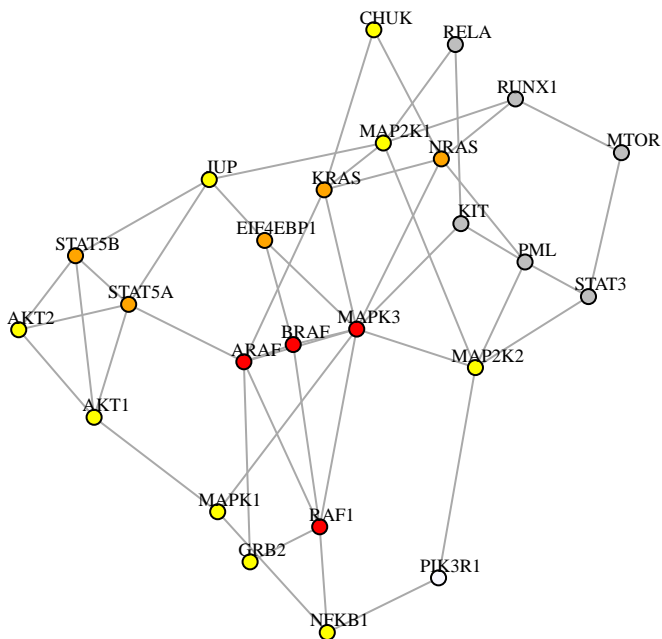
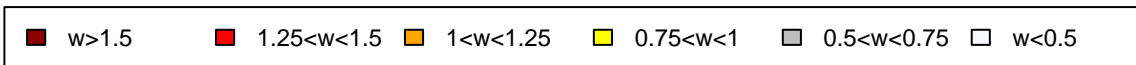
CMS134

Hub Gene (CMS134): STAT5B

Weight Factor: 1.478

Hub Gene (CMS2): ARAF

Weight Factor: 0.872

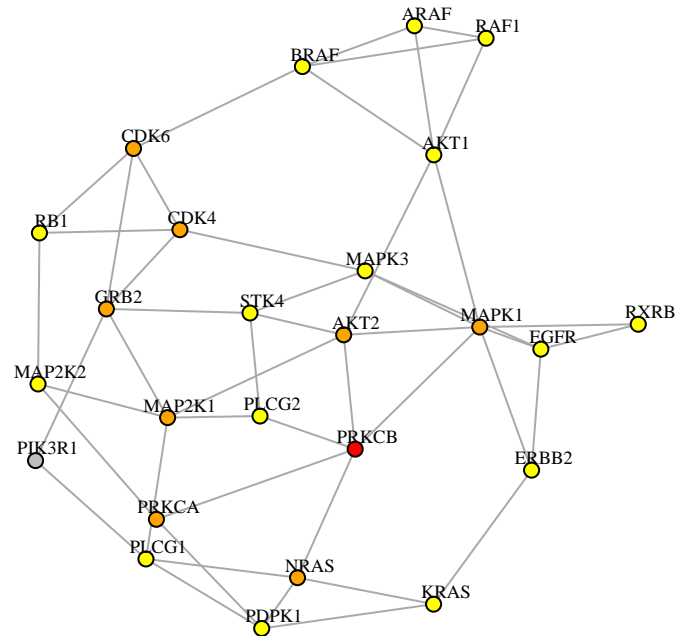
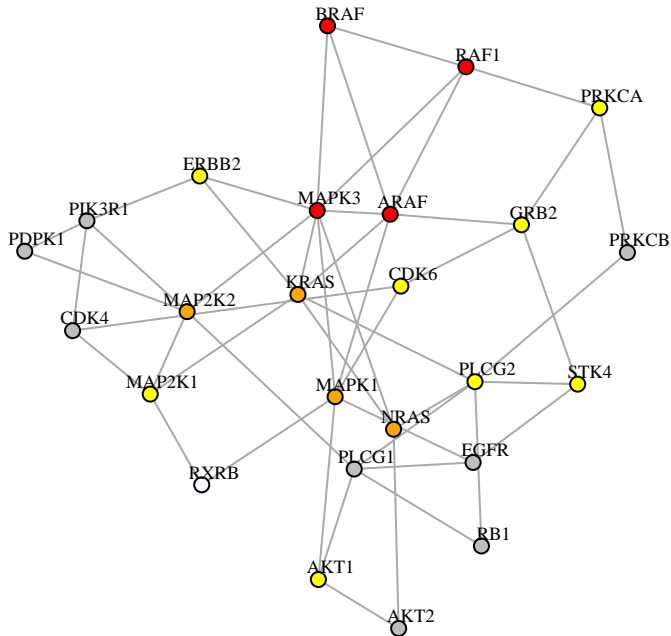
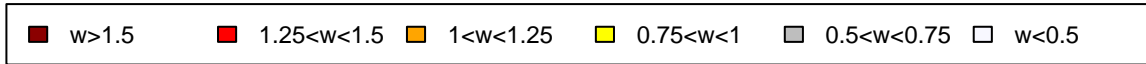


Pathway: KEGG_NON_SMALL_CELL_LUNG_CANCER

There are 25 genes in this pathway

CMS2
Hub Gene (CMS2): **ARAF**
Weight Factor: 1.497
Hub Gene (CMS134): **PRKCB**
Weight Factor: 0.537

CMS134
Hub Gene (CMS134): **PRKCB**
Weight Factor: 1.289
Hub Gene (CMS2): **ARAF**
Weight Factor: 0.919

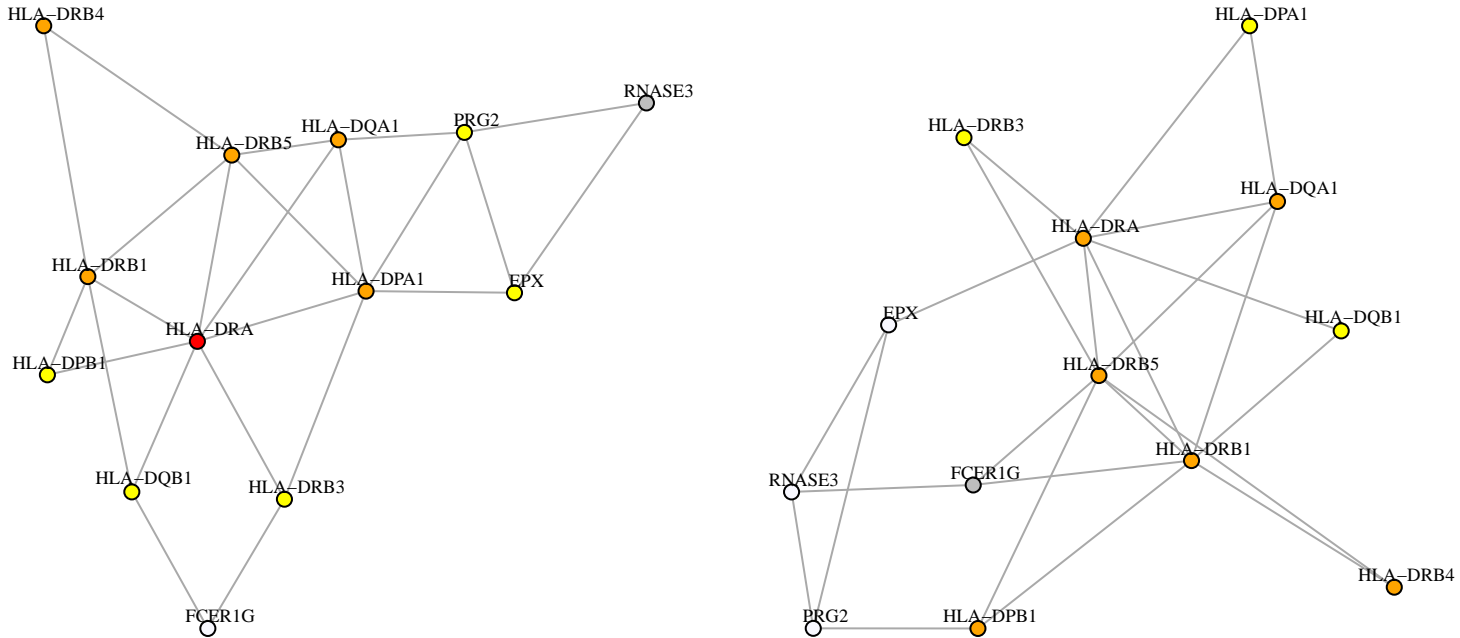
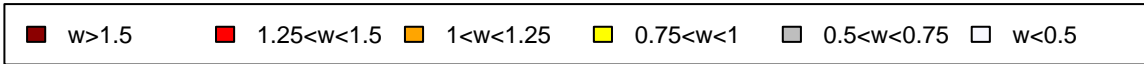


Pathway: KEGG_ASTHMA

There are 13 genes in this pathway

CMS2
 Hub Gene (CMS2): HLA-DRA
 Weight Factor: 1.258
 Hub Gene (CMS134): HLA-DRA
 Weight Factor: 1.258

CMS134
 Hub Gene (CMS134): HLA-DRA
 Weight Factor: 1.187
 Hub Gene (CMS2): HLA-DRA
 Weight Factor: 1.187



Pathway: KEGG_PPARG_SIGNALING_PATHWAY

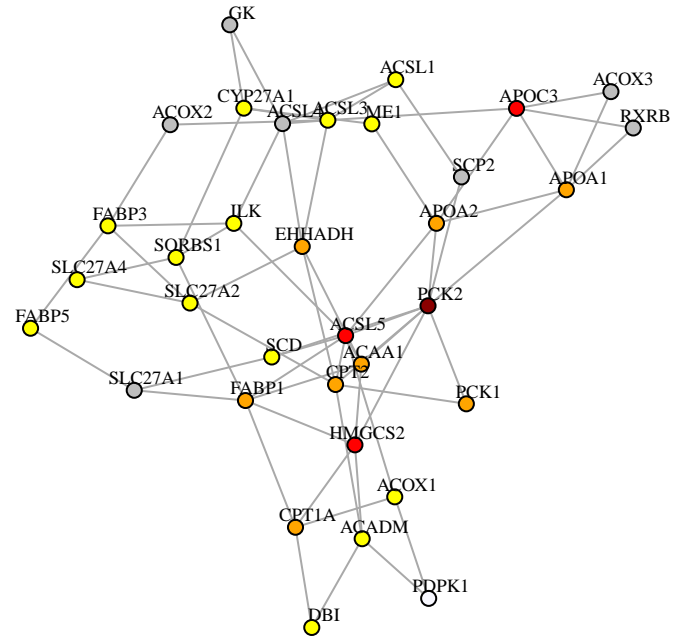
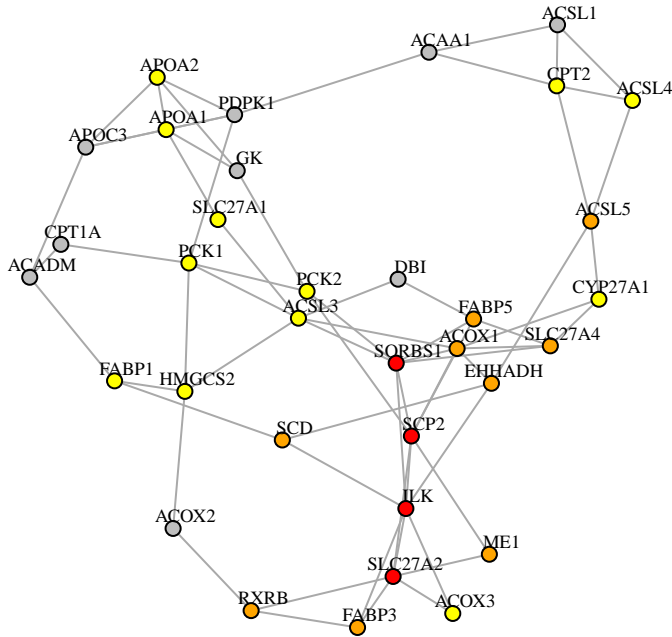
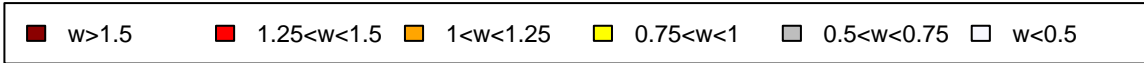
There are 34 genes in this pathway

CMS3

Hub Gene (CMS3): SCP2
Weight Factor: 1.392
Hub Gene (CMS124): PCK2
Weight Factor: 0.806

CMS124

Hub Gene (CMS124): PCK2
Weight Factor: 1.56
Hub Gene (CMS3): SCP2
Weight Factor: 0.615



Pathway: KEGG_ANTIGEN_PROCESSING_AND_PRESENTATION

There are 39 genes in this pathway

CMS3

Hub Gene (CMS3): TAP2

Weight Factor: 1.358

Hub Gene (CMS124): HLA-DRA

Weight Factor: 0.964

CMS124

Hub Gene (CMS124): HLA-DRA

Weight Factor: 1.403

Hub Gene (CMS3): TAP2

Weight Factor: 0.94

