



Математички факултет, Универзитет у Београду

## Слике за Семинарски рад из предмета: Истраживање података 2

Аутори:

Марко Никитовић  
Бошко Андрић

Предметни наставник:

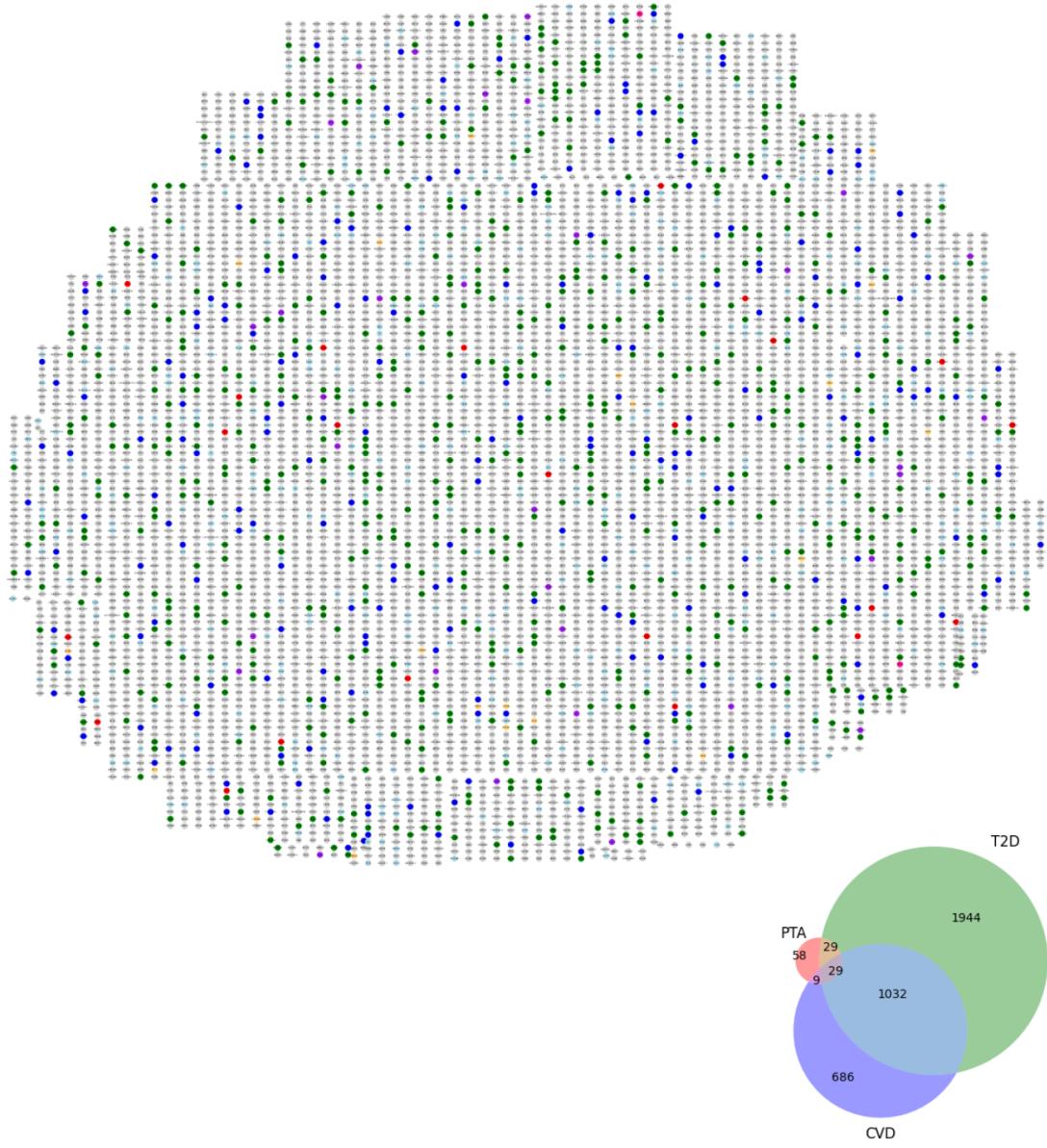
Проф. др Ненад Митић

Школска година 2023/2024

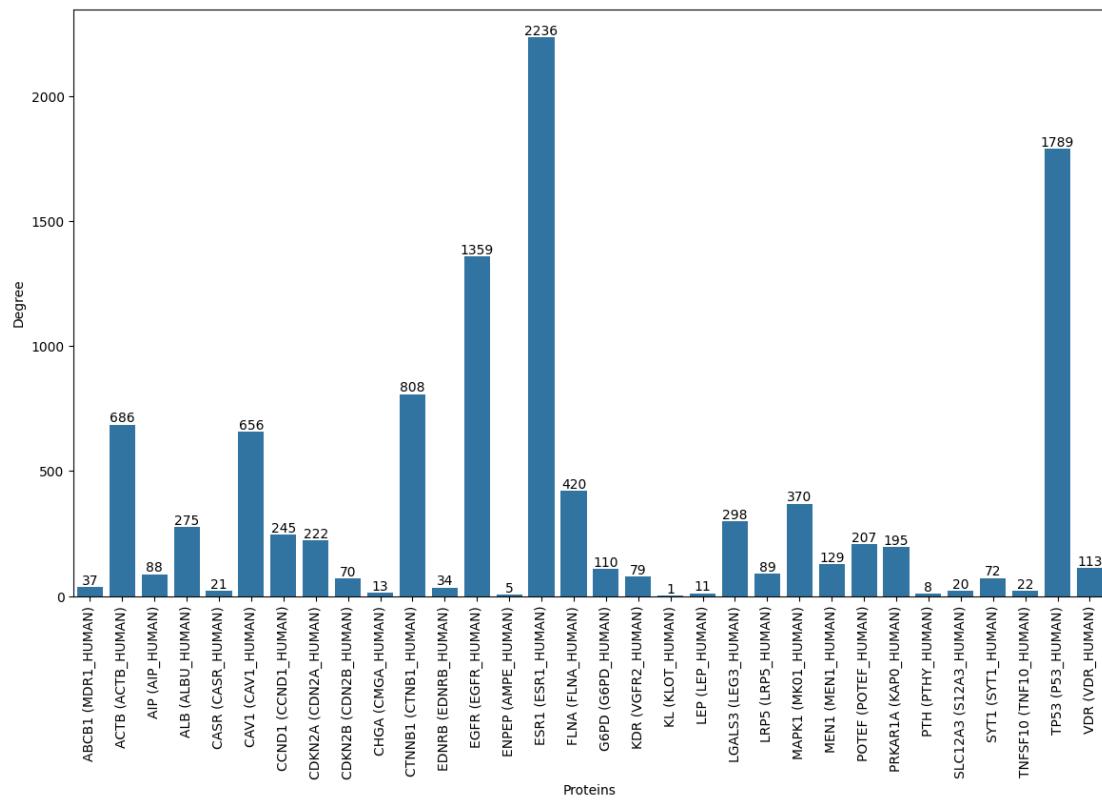
## Садржај

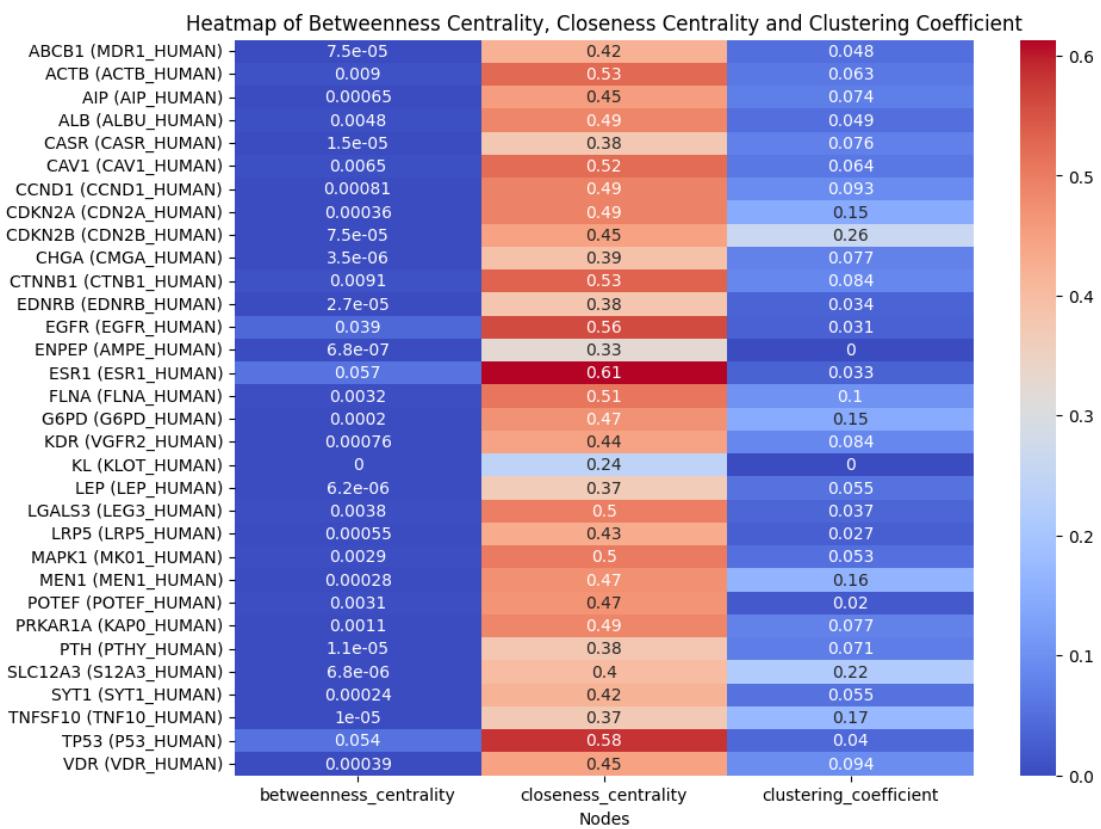
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# 1 Конструкција мреже протеина



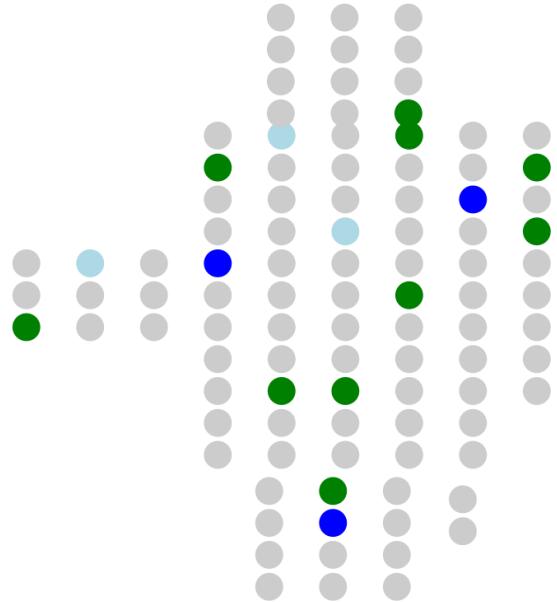
## 2 Тополошке карактеристике мреже



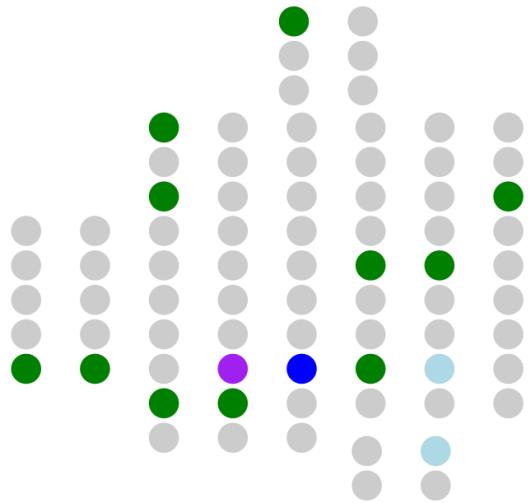


### 3 'MCODE'

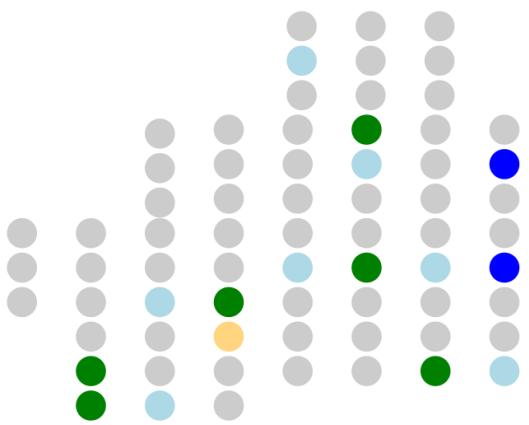
#### 3.1 Модули



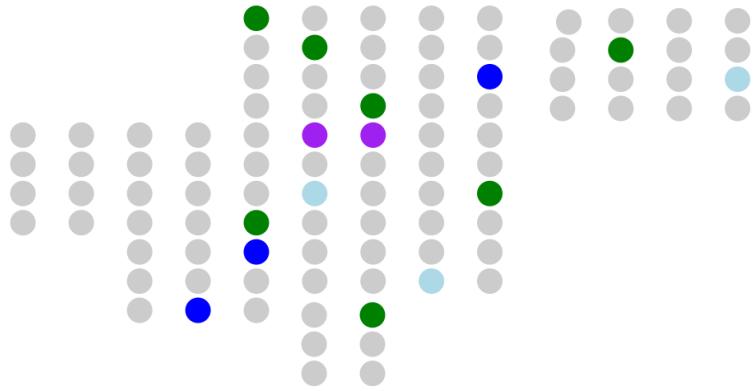
Слика 1: 1. модул



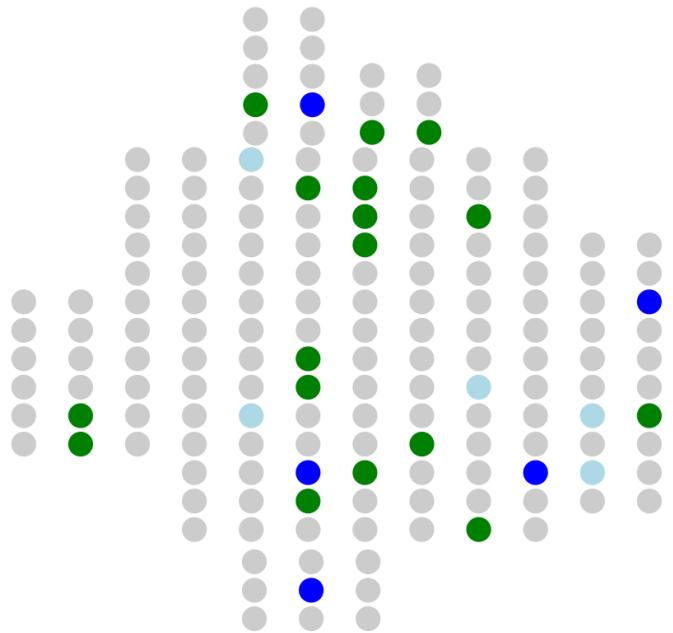
Слика 2: 2. модул



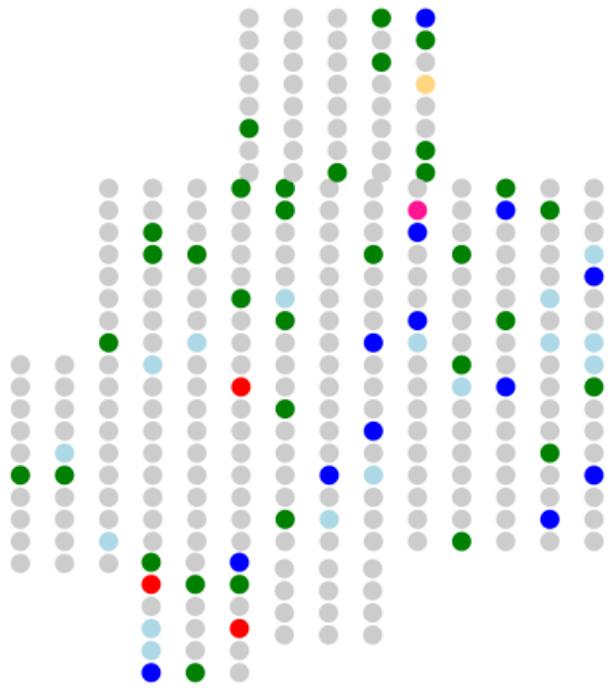
Слика 3: 3. модул



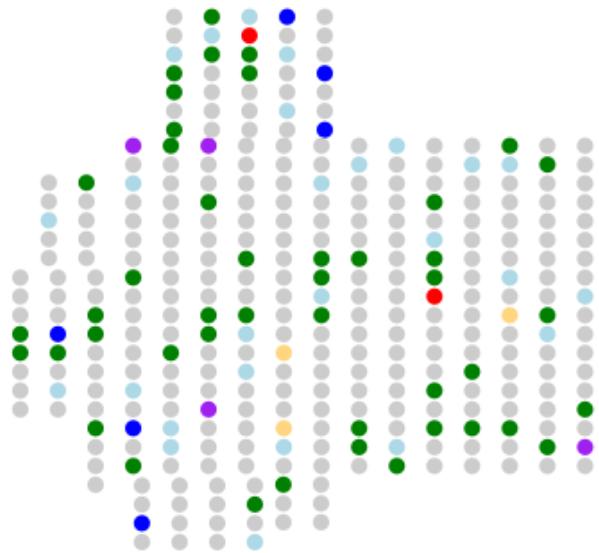
Слика 4: 4. модул



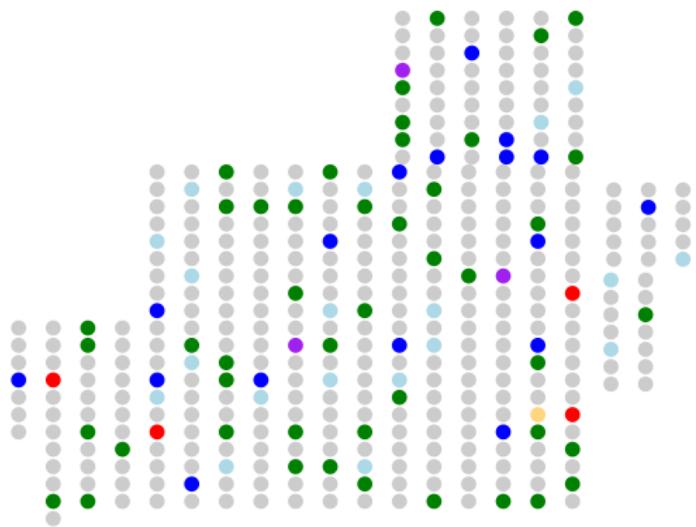
Слика 5: 5. модул



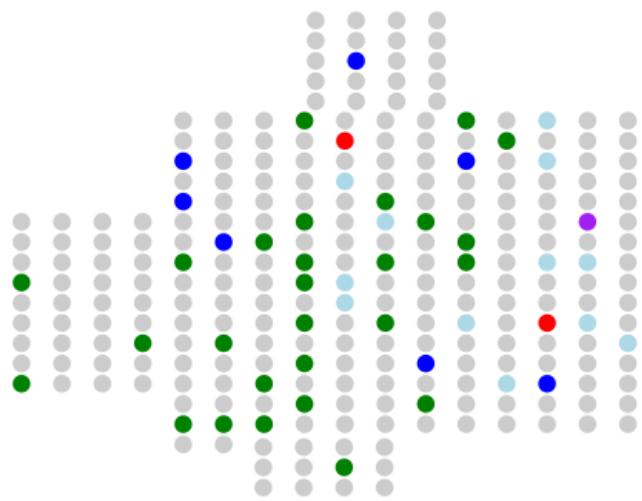
Слика 6: 6. модул



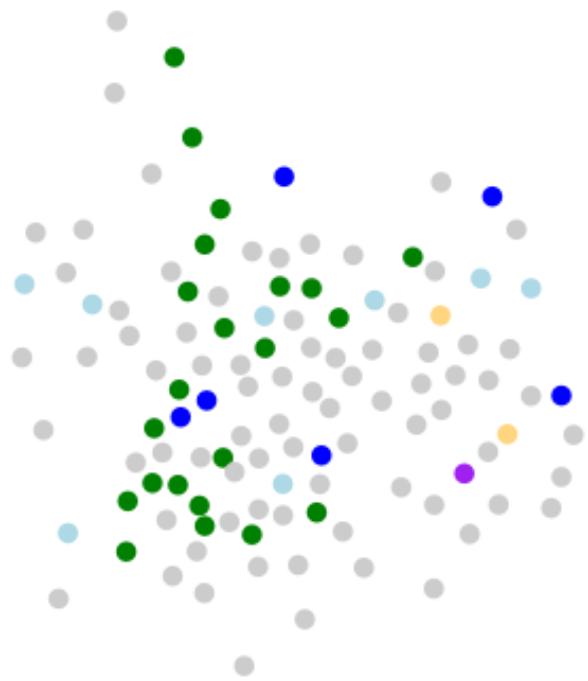
Слика 7: 7. модул



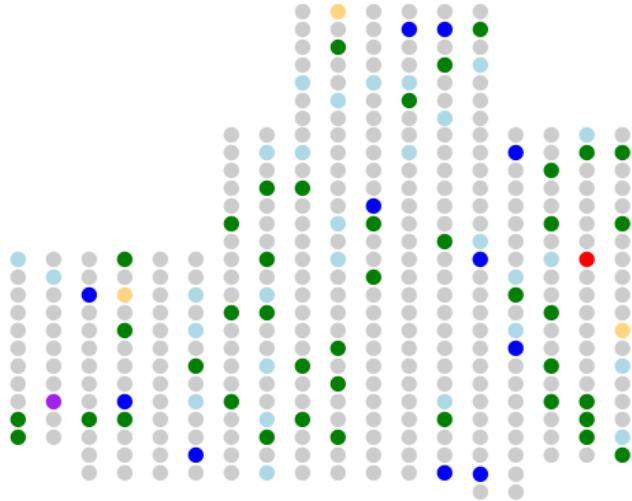
Слика 8: 8. модул



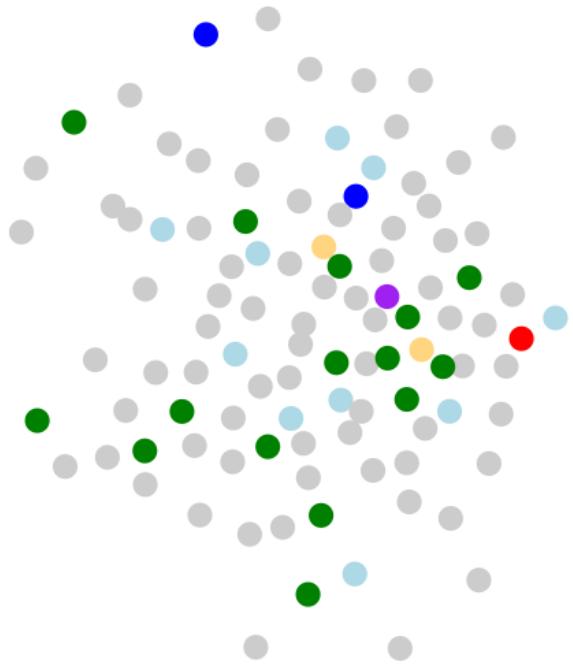
Слика 9: 9. модул



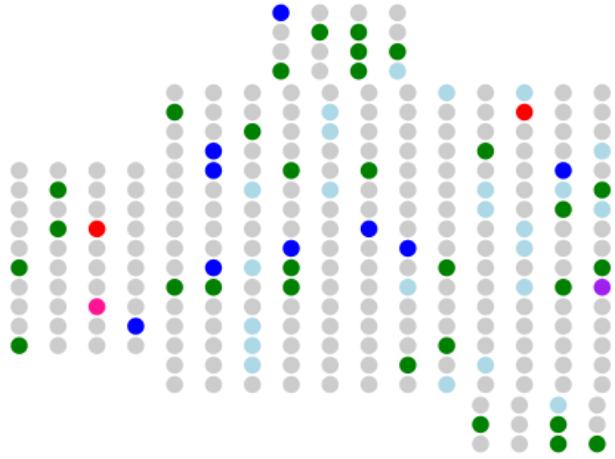
Слика 10: 10. модул



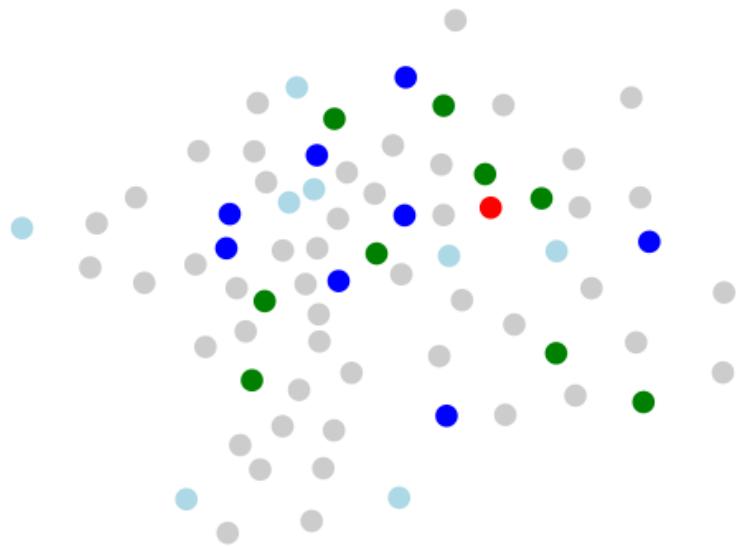
Слика 11: 11. модул



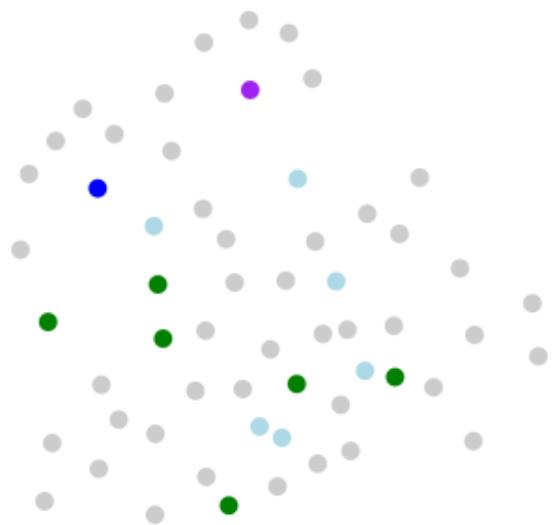
Слика 12: 12. модул



Слика 13: 13. модул

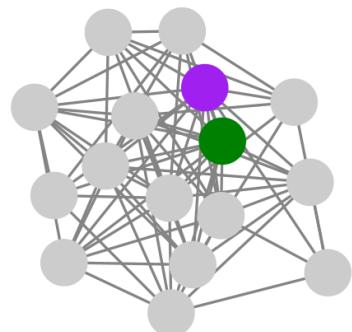


Слика 14: 14. модул

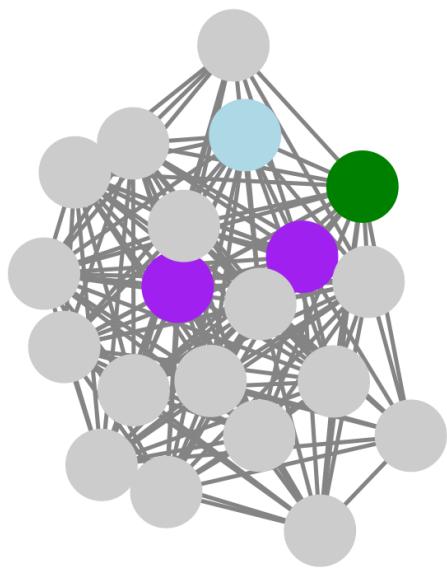


Слика 15: 15. модул

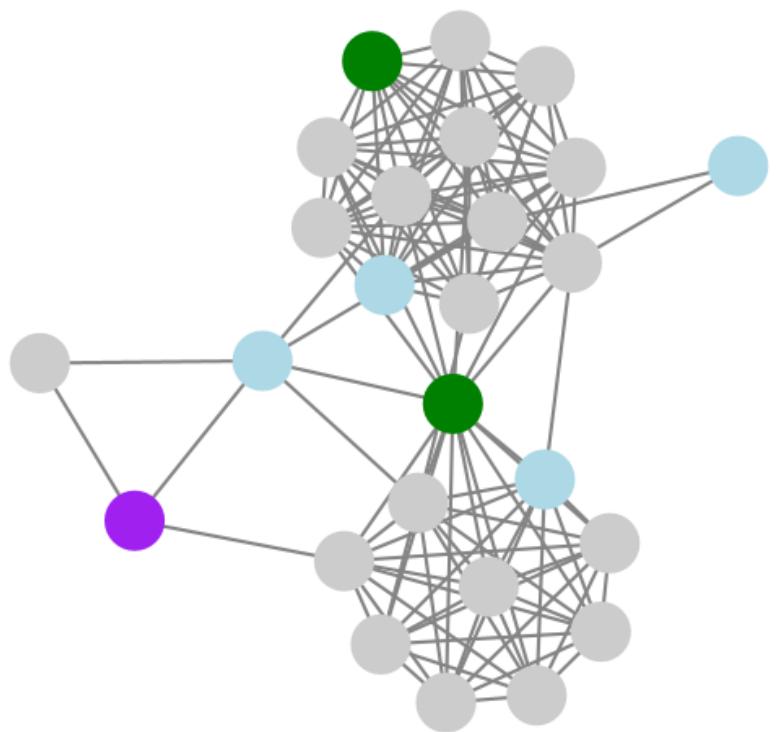
### 3.2 Подмодули



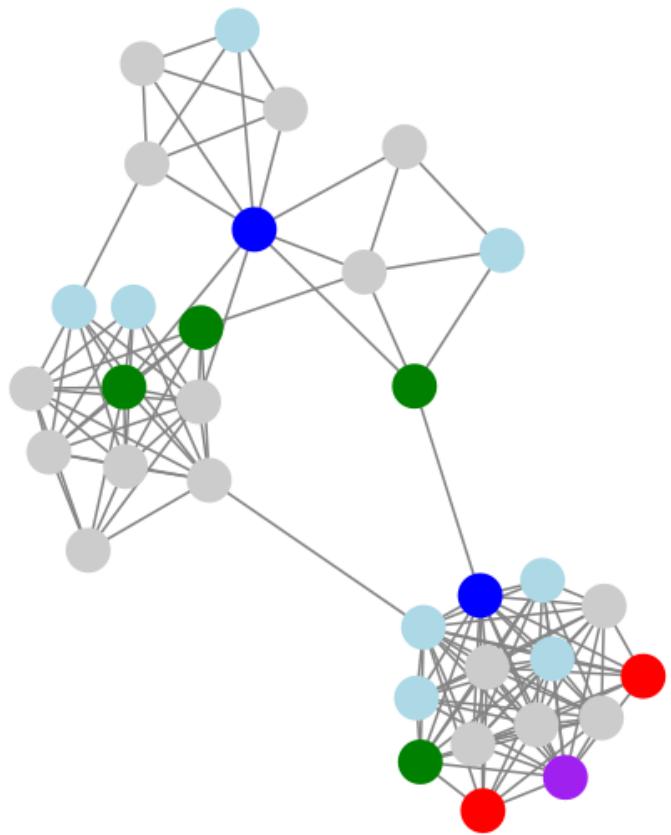
Слика 16: 2.1. модул



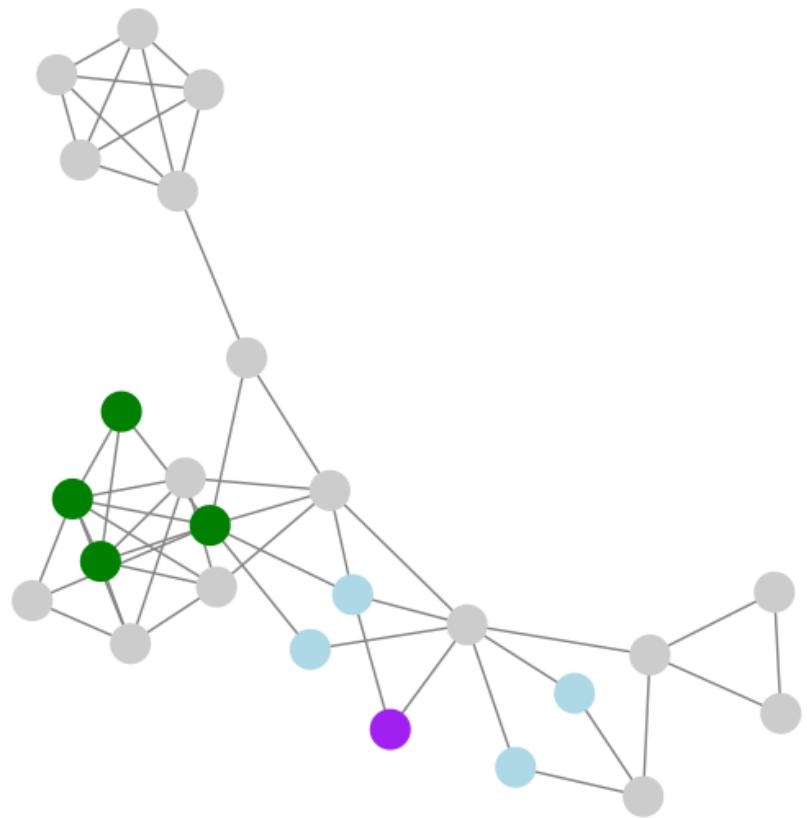
Слика 17: 4.1. модул



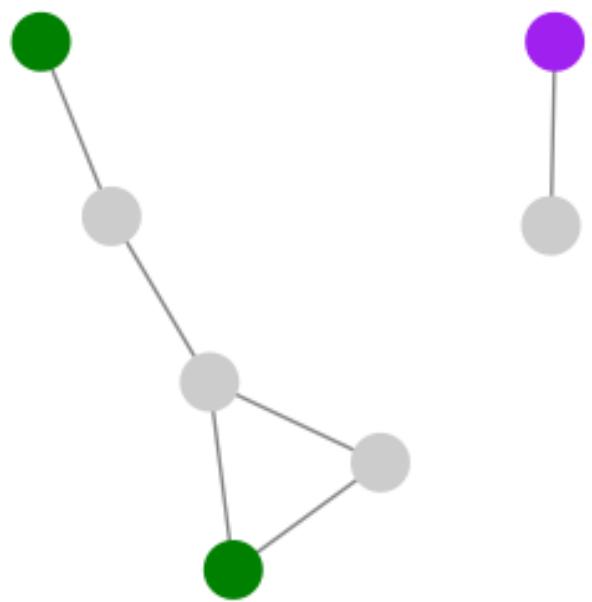
Слика 18: 7.1. модул



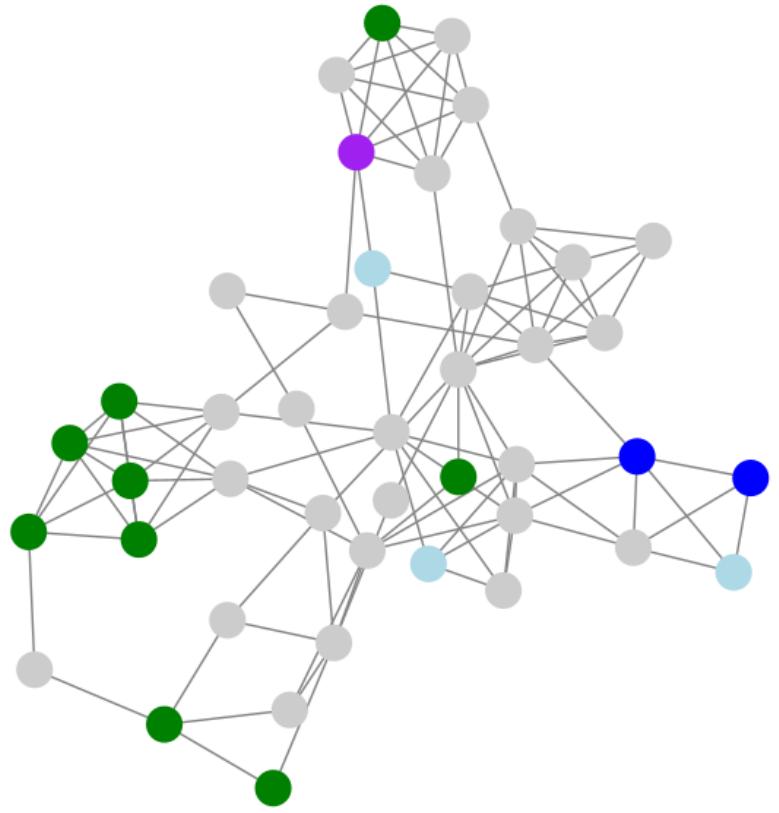
Слика 19: 7.2. модул



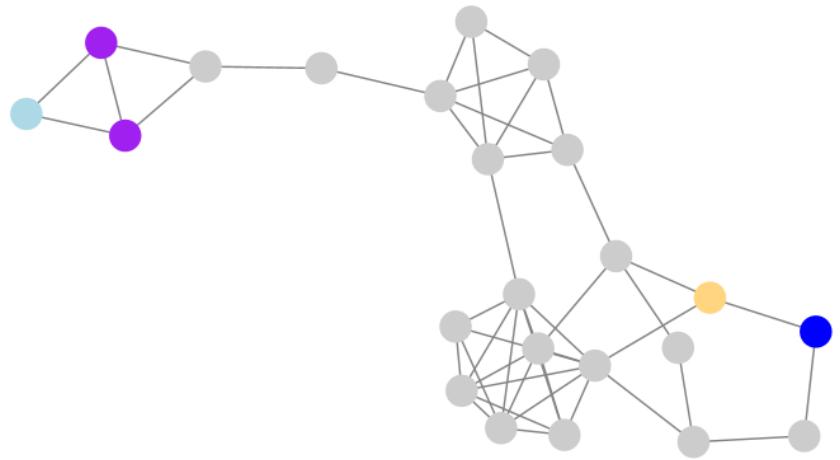
Слика 20: 7.3. модул



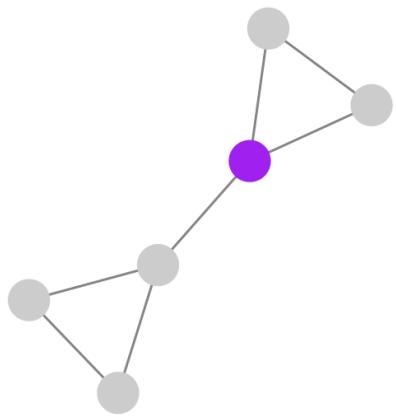
Слика 21: 7.4. модул



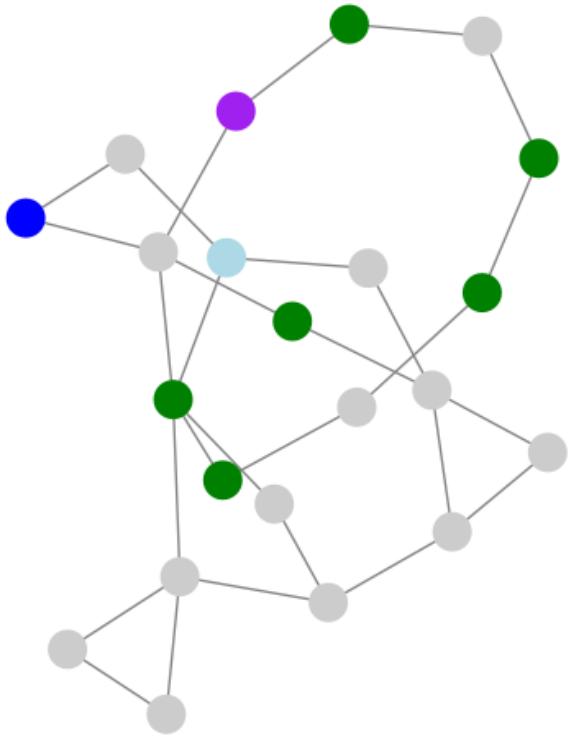
Слика 22: 8.1. модул



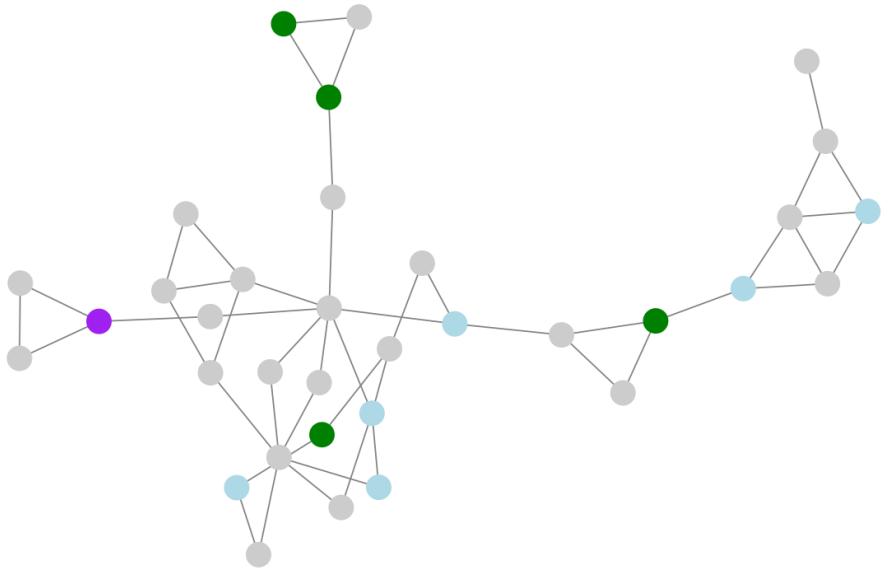
Слика 23: 8.2. модул



Слика 24: 9.1. модул



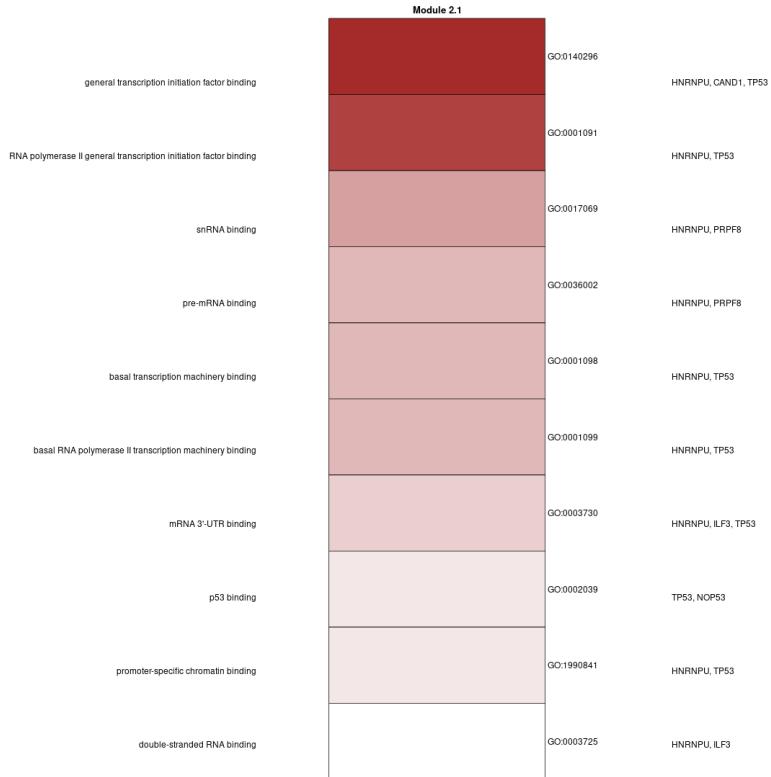
Слика 25: 11.1 модул

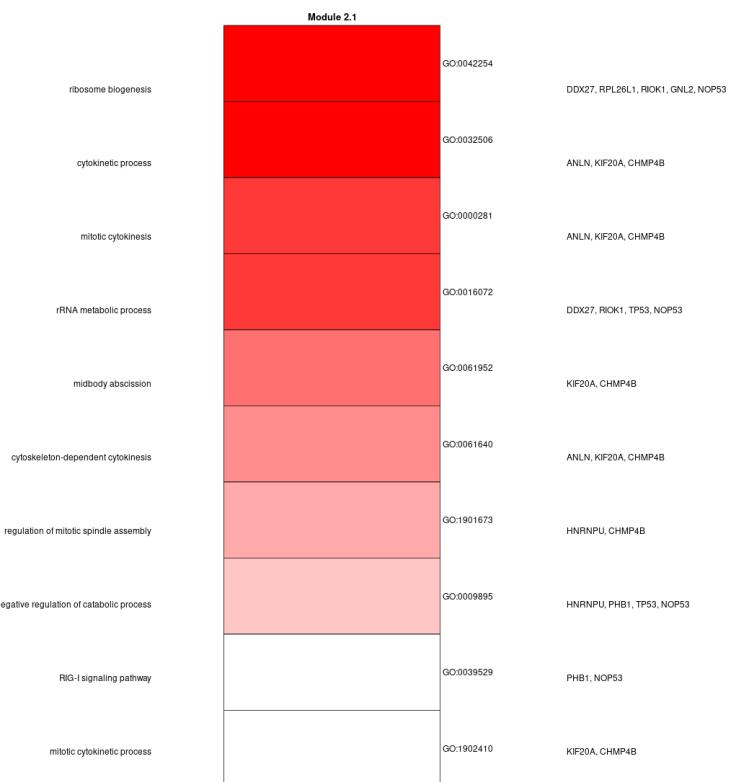


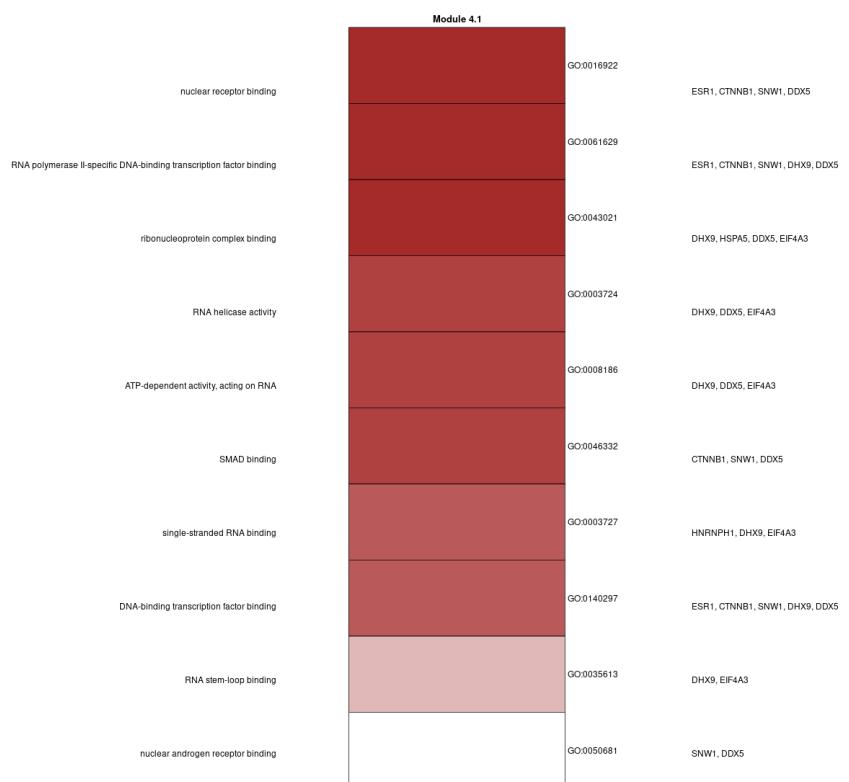
Слика 26: 13.1. модул

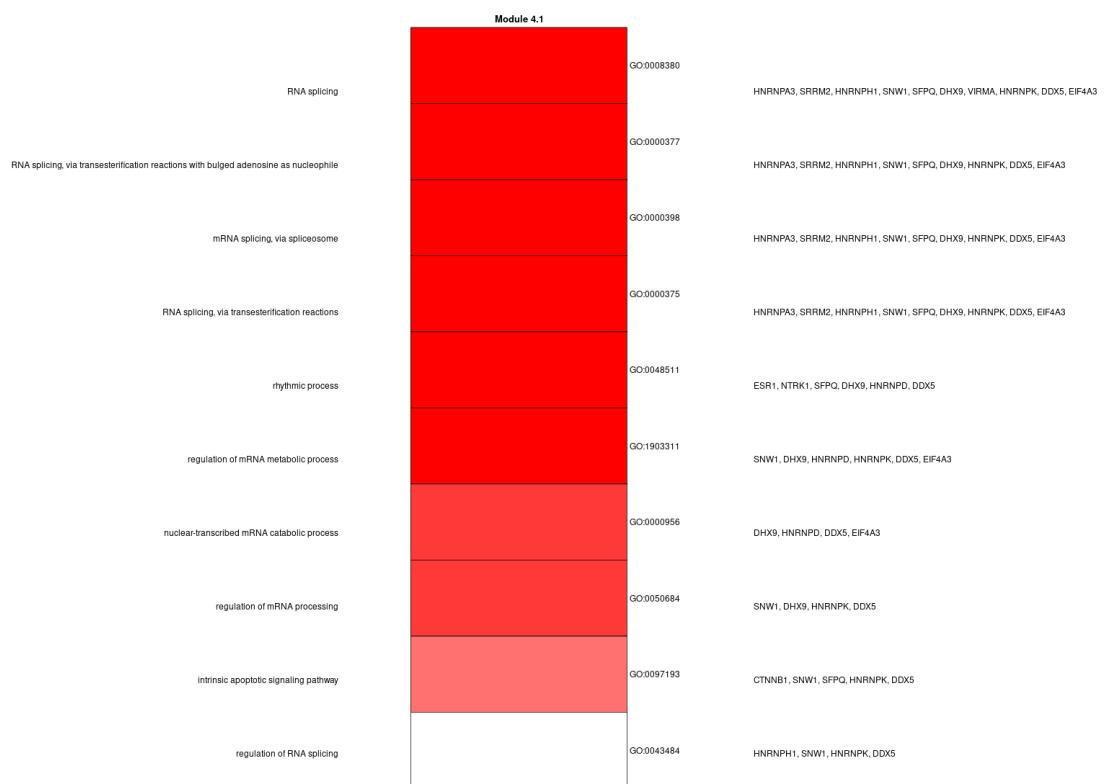
## 4 Анализа прекомерне репрезентације скупа гена

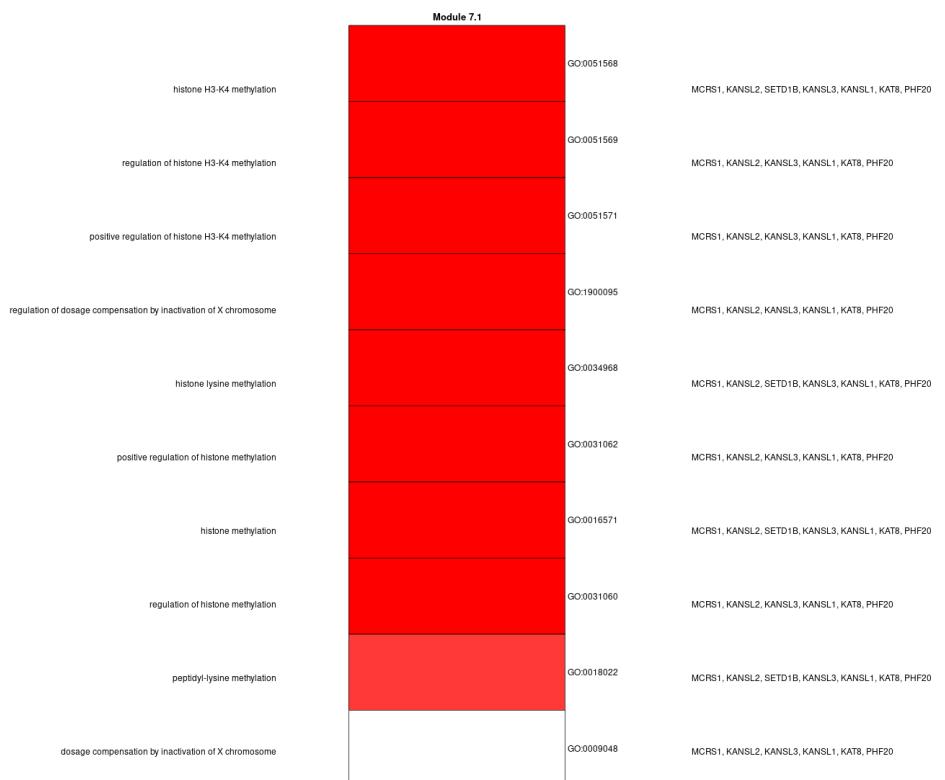
### 4.1 Анализа обогаћивања

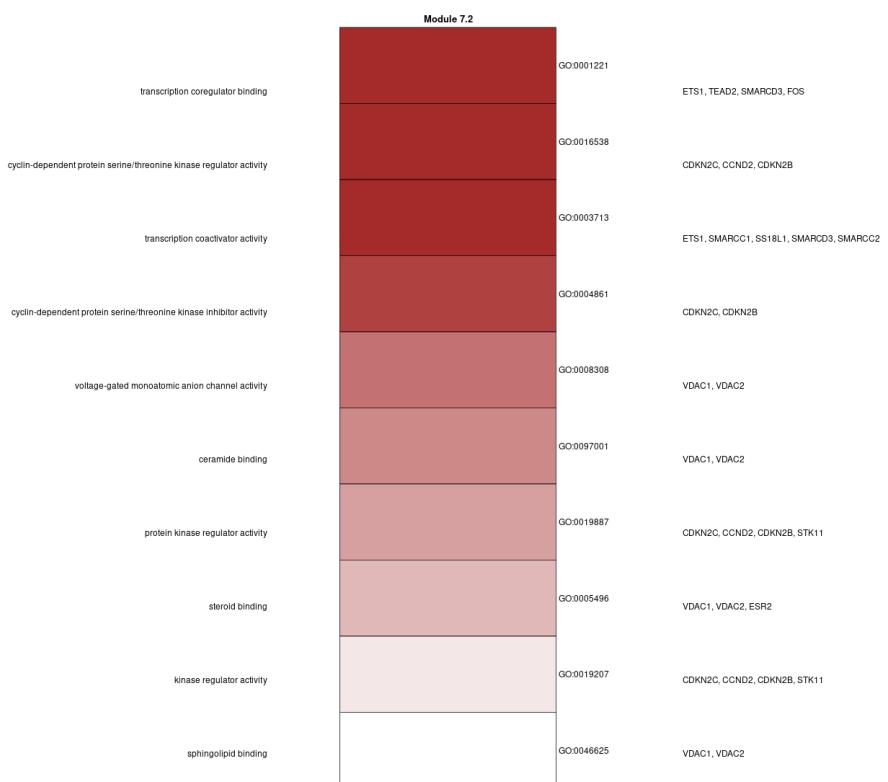




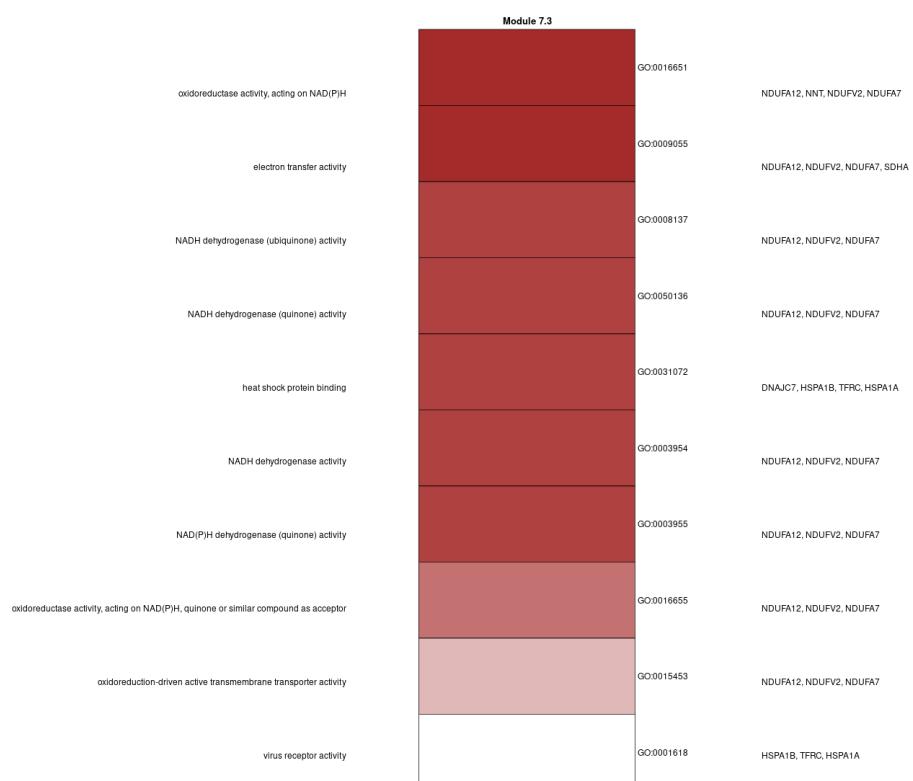


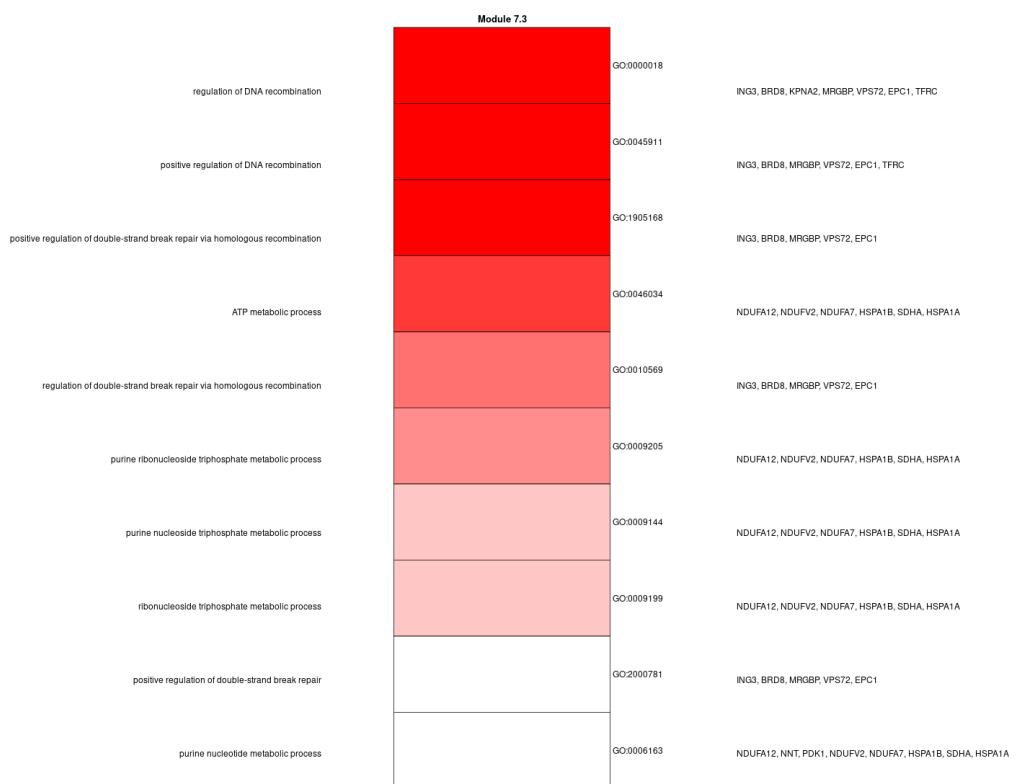


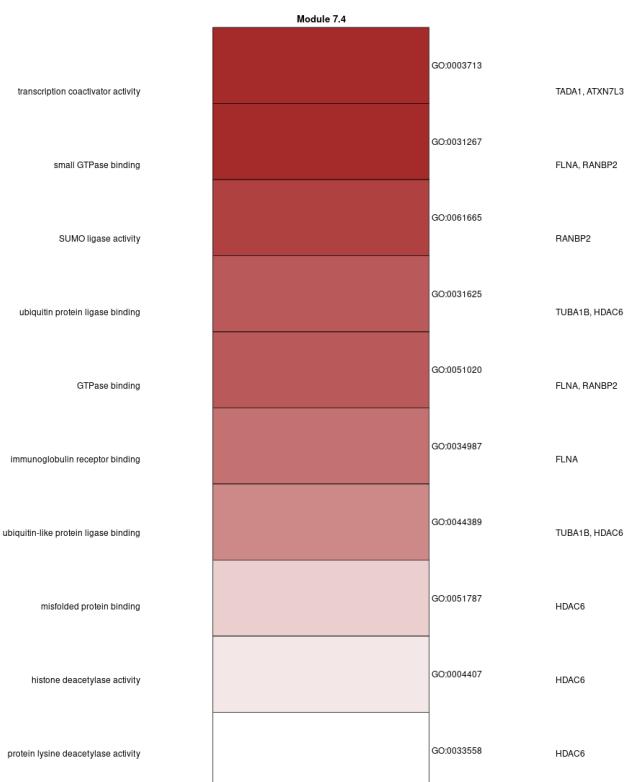


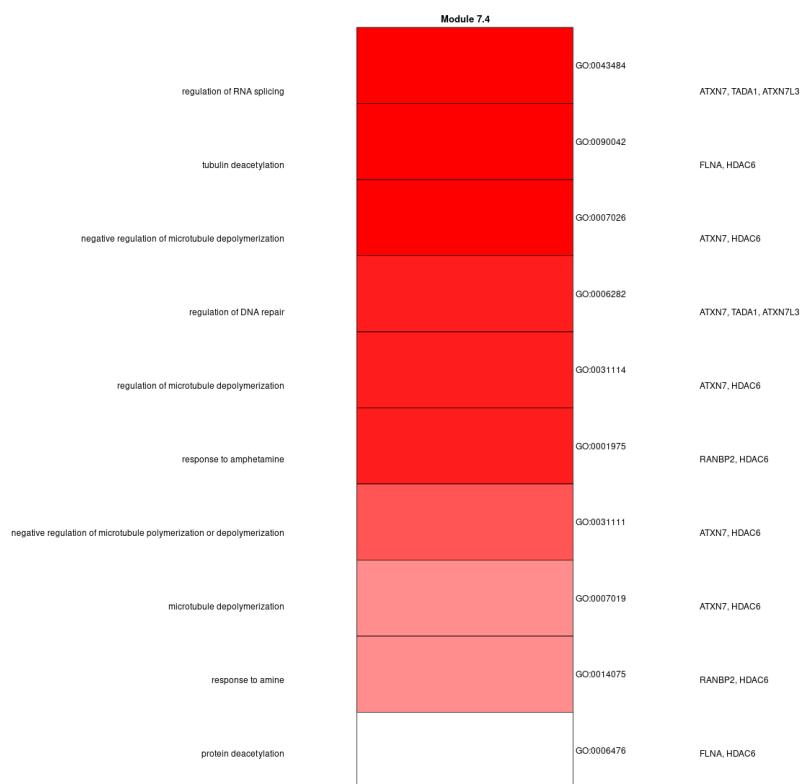


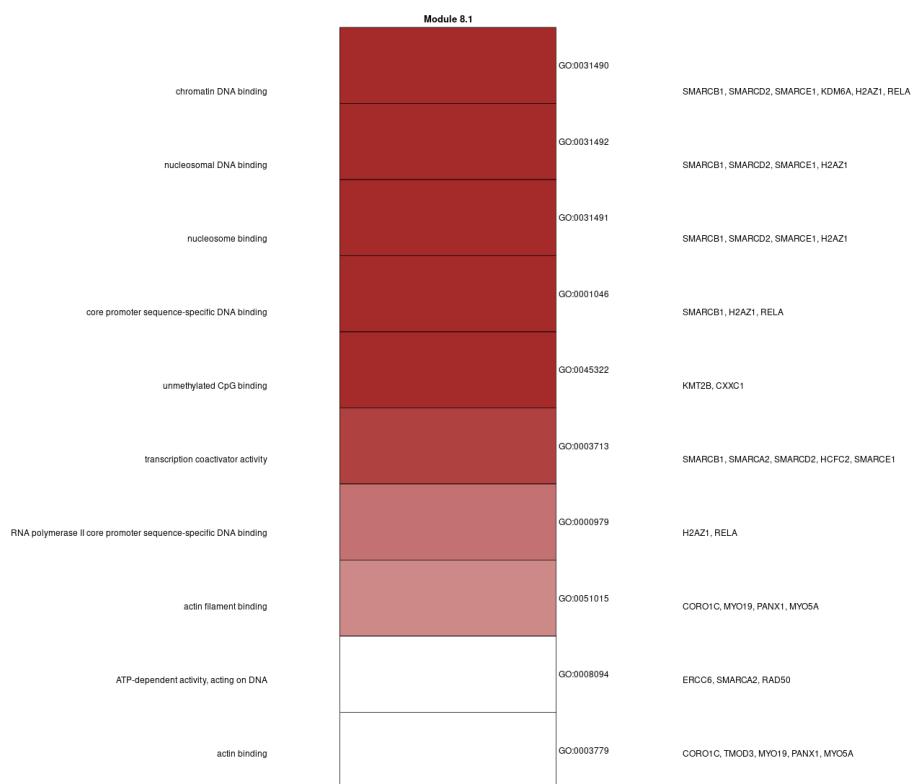
Module 7.2		
G1/S transition of mitotic cell cycle	GO:0000082	CDKN2C, LATS2, SMARCC1, SMARCD3, CDK6, CCND2, ARID2, BCL7A, CDKN2B, SMARCC2
cell cycle G1/S phase transition	GO:0044843	CDKN2C, LATS2, SMARCC1, SMARCD3, CDK6, CCND2, ARID2, BCL7A, CDKN2B, SMARCC2
regulation of G0 to G1 transition	GO:0070316	SMARCC1, SMARCD3, ARID2, BCL7A, CDKN2B, SMARCC2
G0 to G1 transition	GO:0045023	SMARCC1, SMARCD3, ARID2, BCL7A, CDKN2B, SMARCC2
regulation of G1/S transition of mitotic cell cycle	GO:2000045	CDKN2C, SMARCC1, SMARCD3, CCND2, ARID2, BCL7A, CDKN2B, SMARCC2
regulation of nucleotide-excision repair	GO:2000819	SMARCC1, SMARCD3, ARID2, BCL7A, SMARCC2
regulation of cell cycle G1/S phase transition	GO:1902806	CDKN2C, SMARCC1, SMARCD3, CCND2, ARID2, BCL7A, CDKN2B, SMARCC2
mitotic cell cycle phase transition	GO:0044772	CDKN2C, LATS2, SMARCC1, SMARCD3, CDK6, CCND2, ARID2, BCL7A, CDKN2B, SMARCC2
regulation of mitotic cell cycle phase transition	GO:1901990	CDKN2C, SMARCC1, SMARCD3, CDK6, CCND2, ARID2, BCL7A, CDKN2B, SMARCC2
regulation of sister chromatid segregation	GO:0033045	BECN1, SMARCC1, SMARCD3, ARID2, BCL7A, SMARCC2

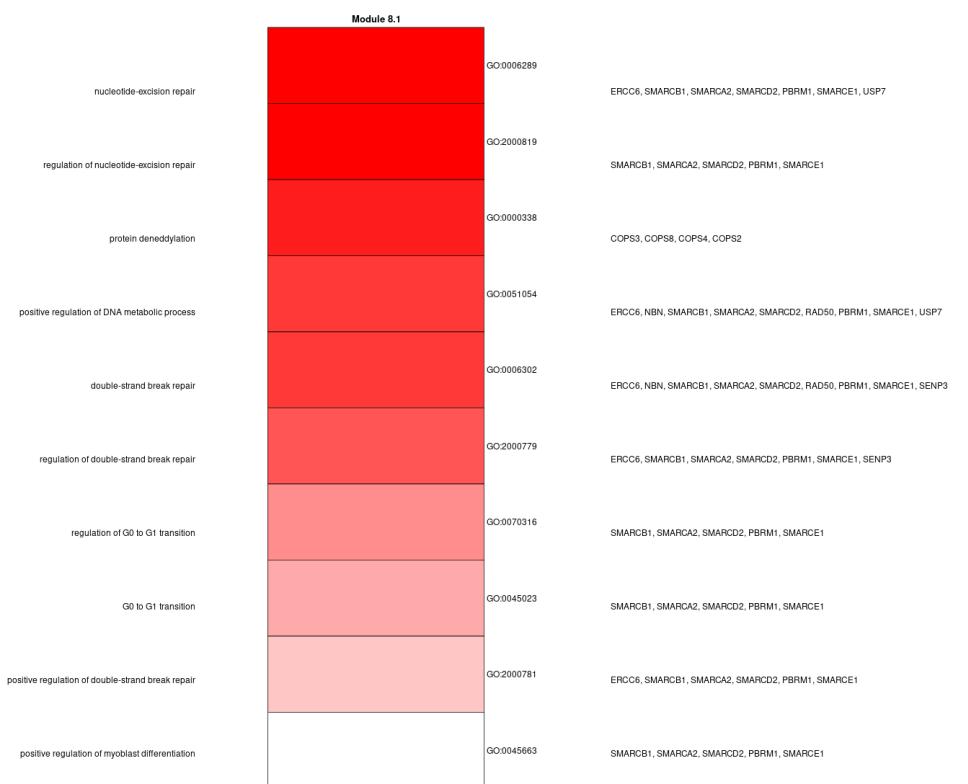


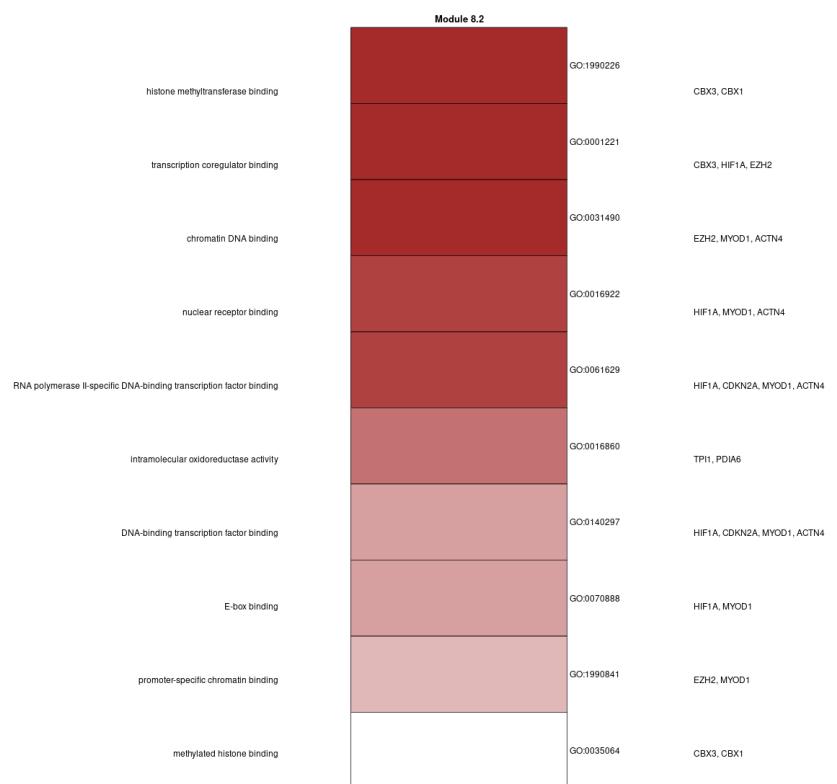


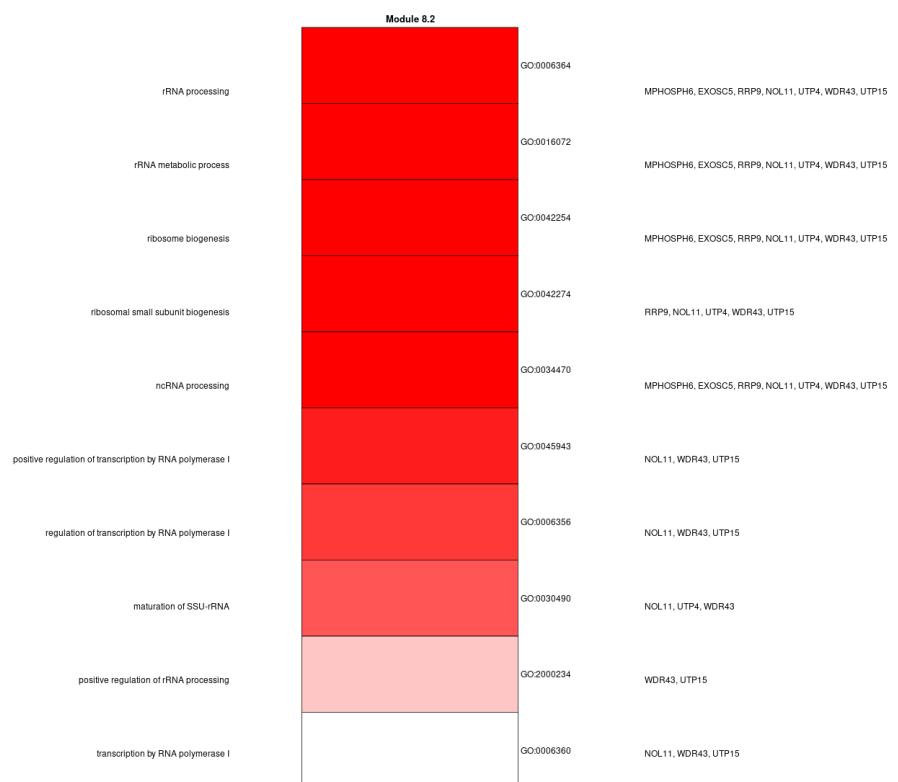


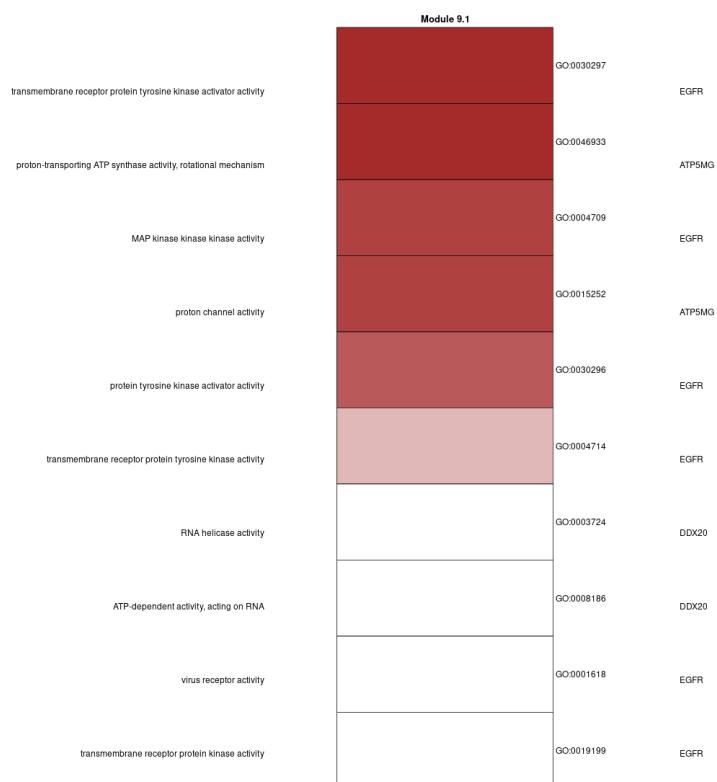


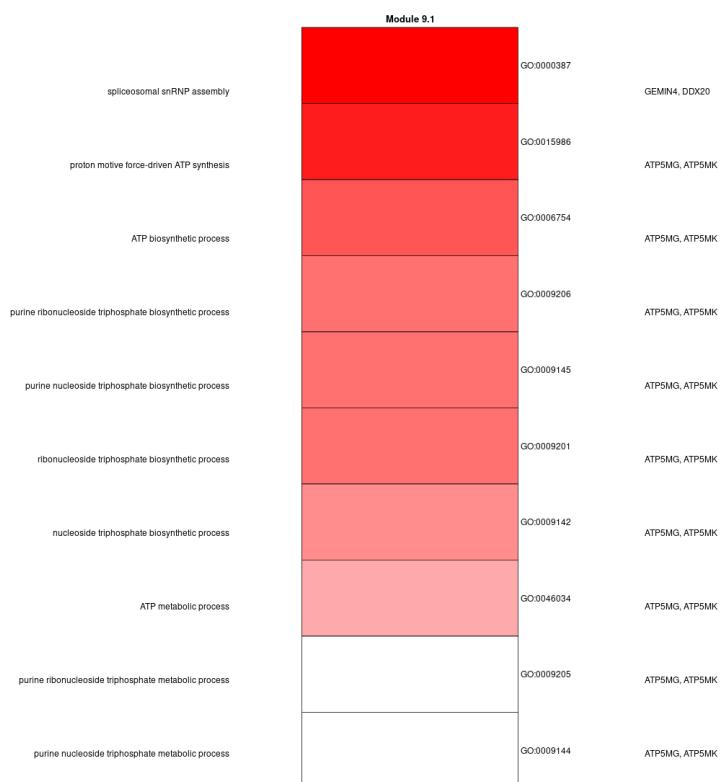


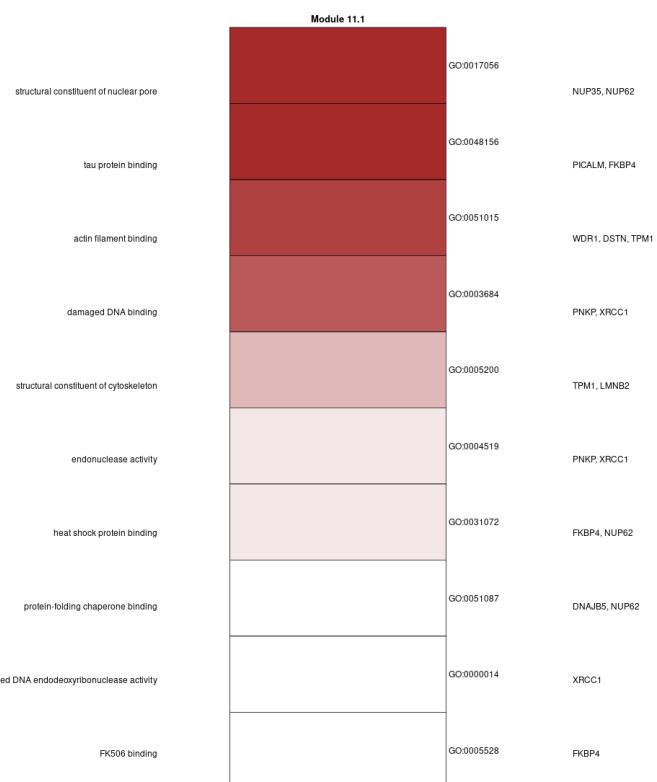


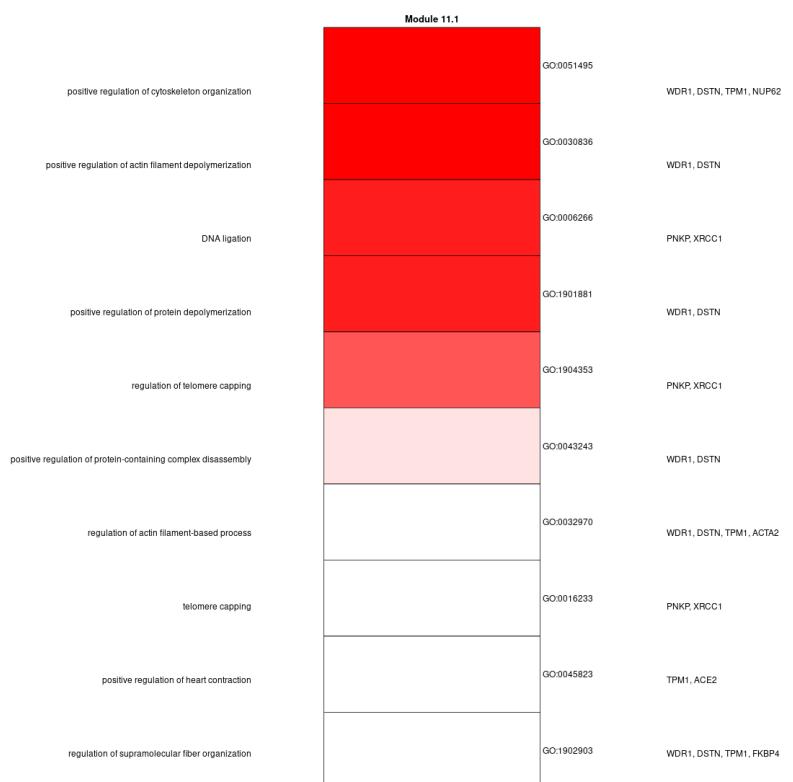


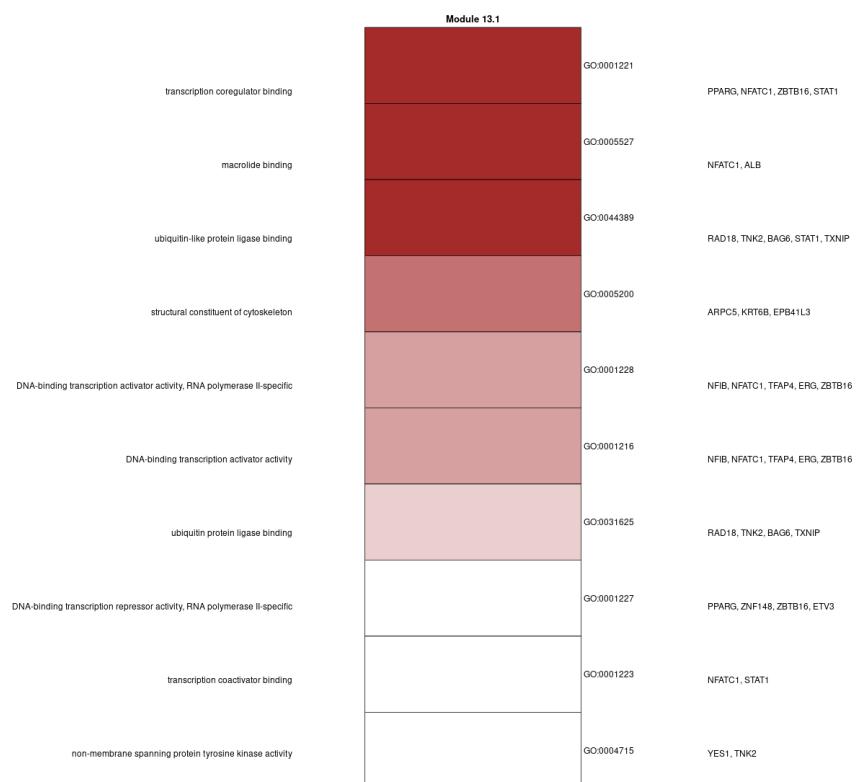


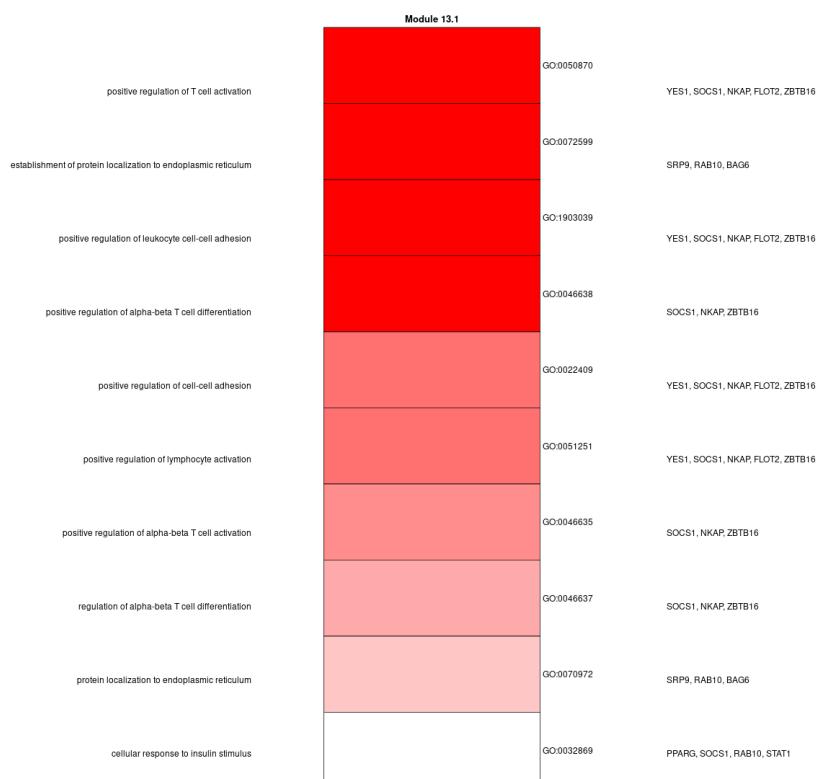






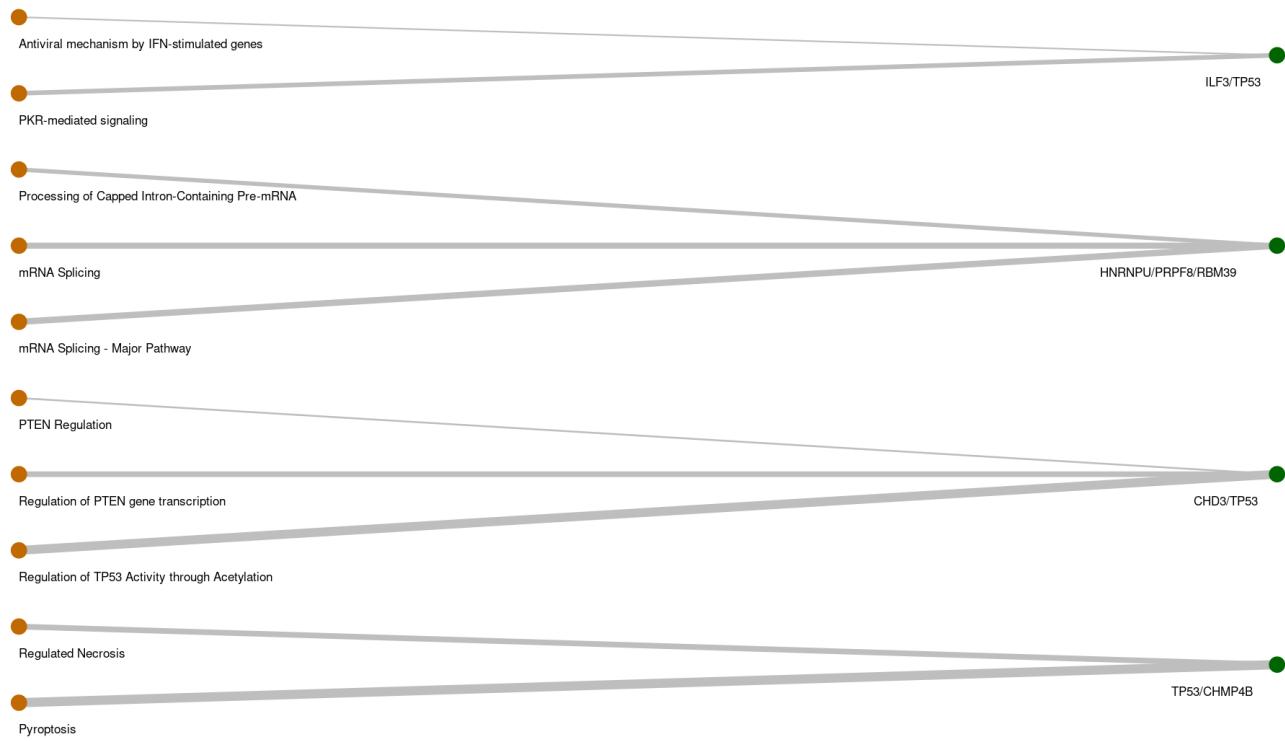




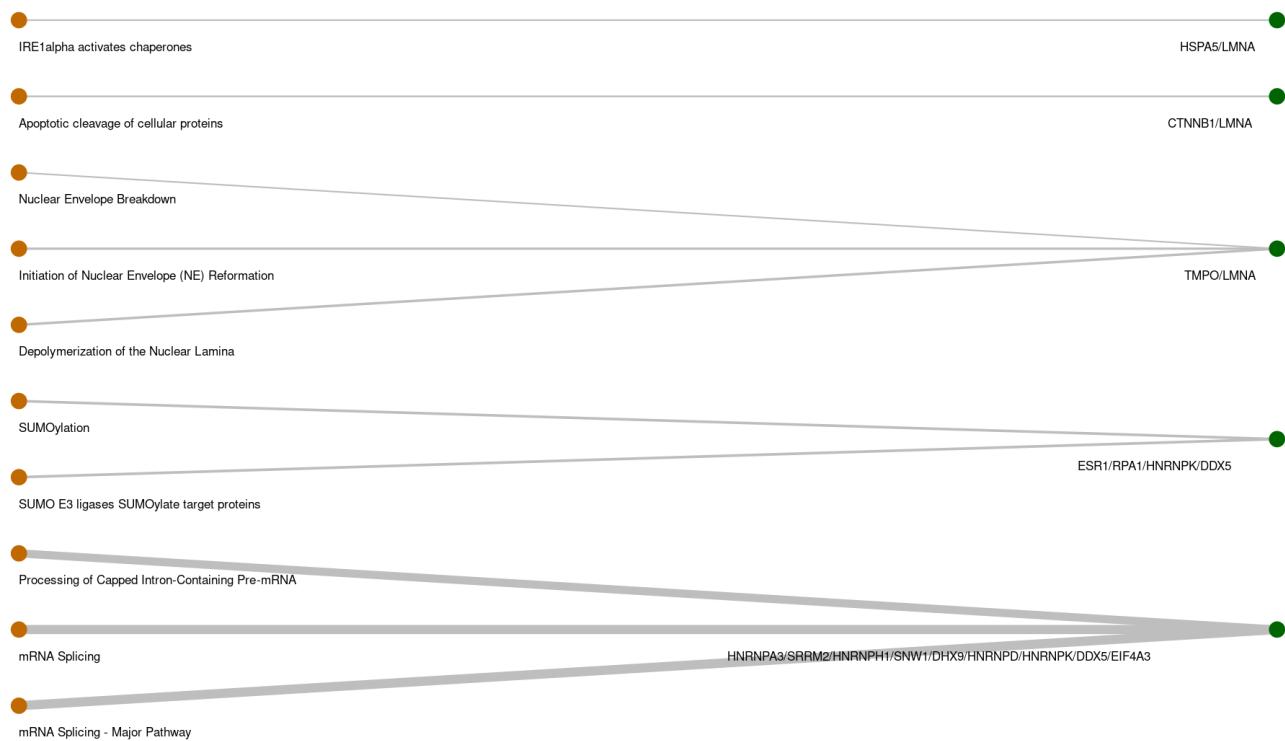


## 4.2 Анализа обогаћивања путања

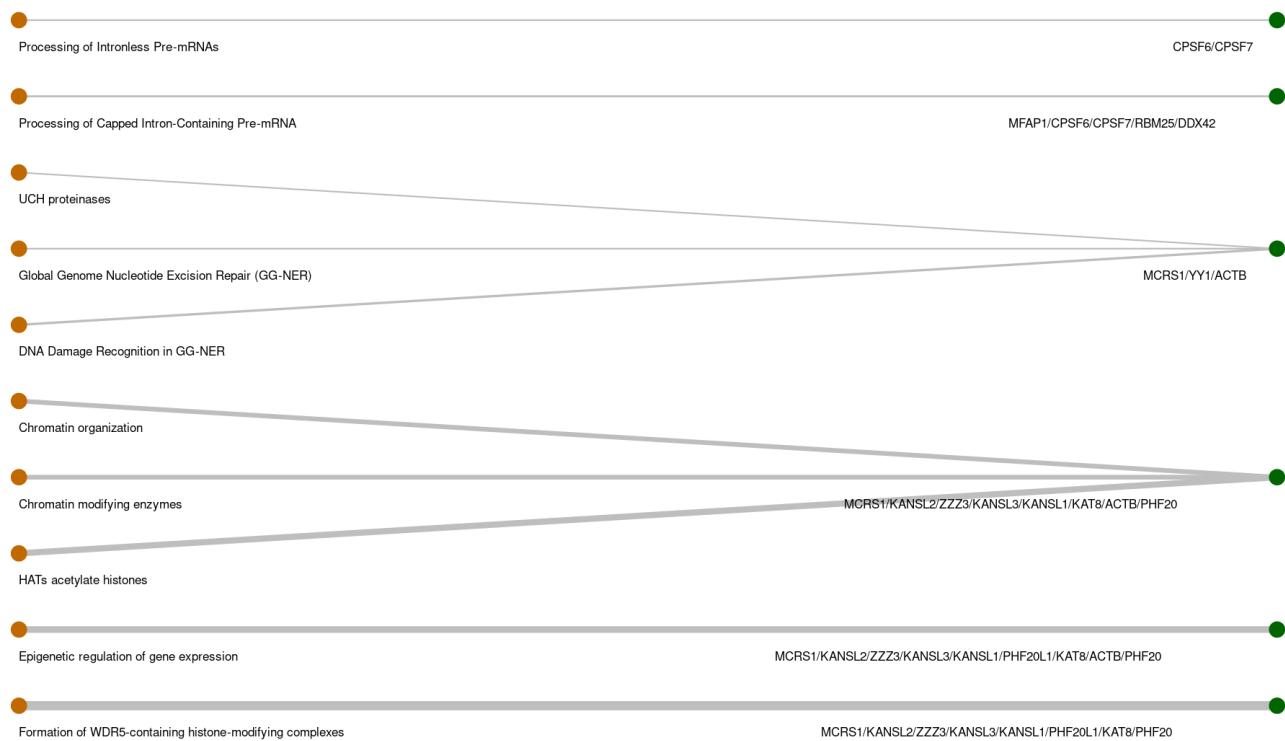
### Module 2.1



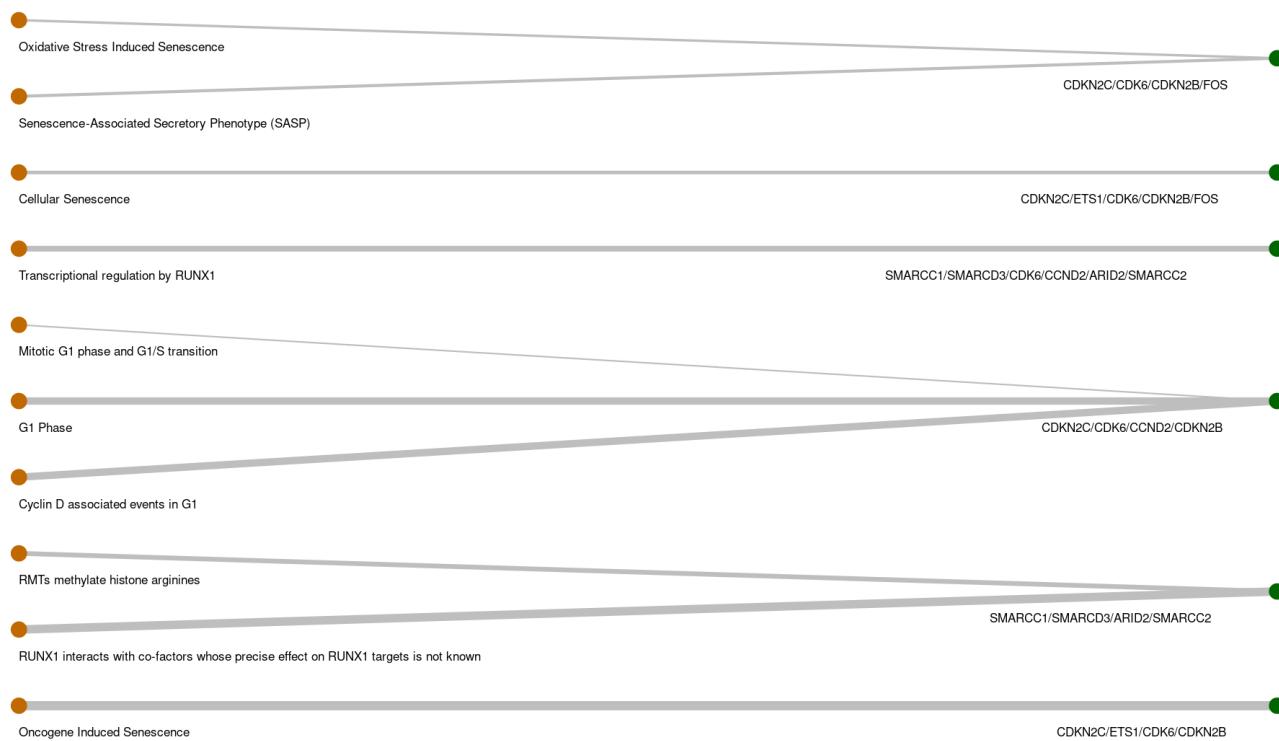
### Module 4.1



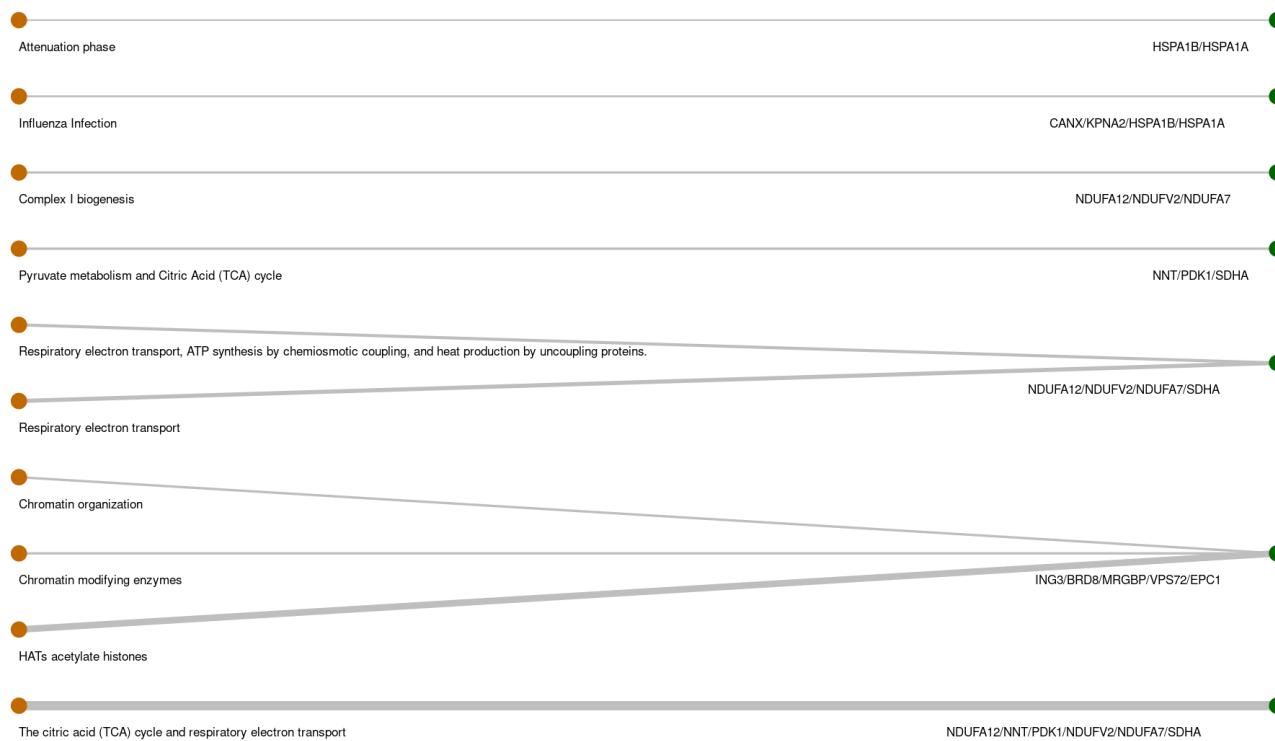
## Module 7.1



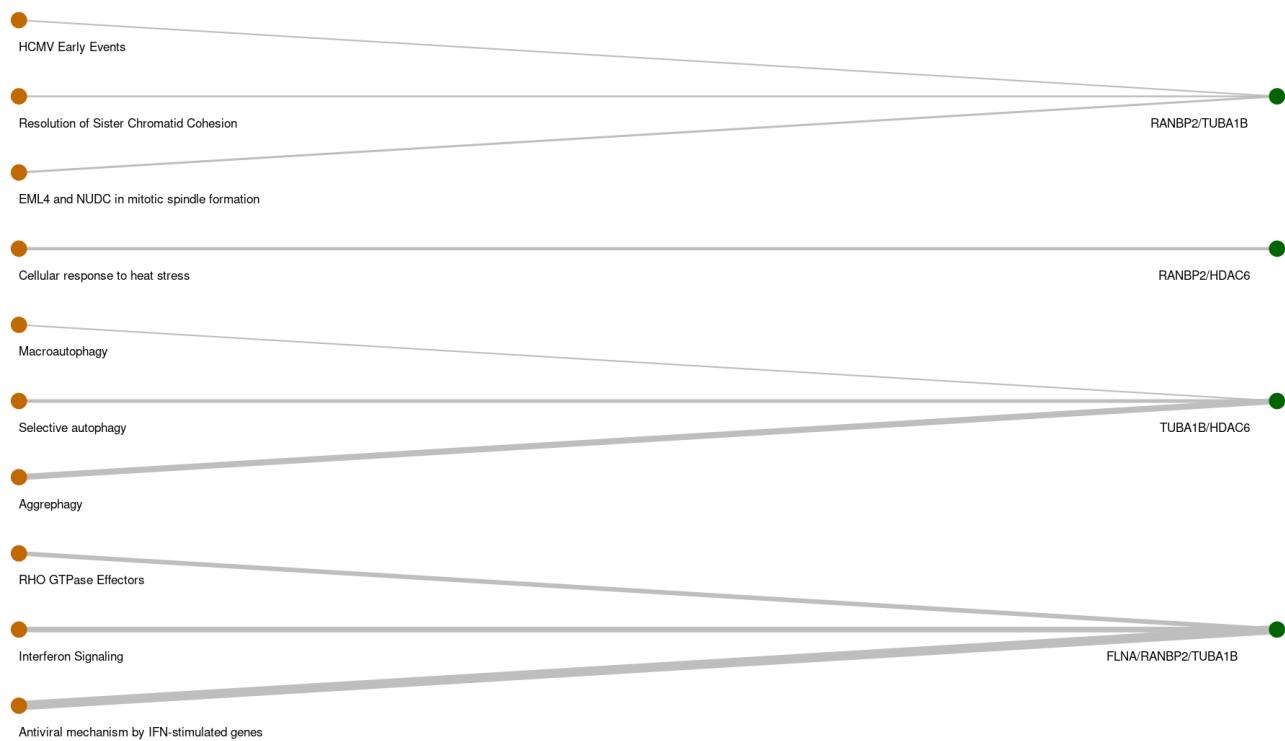
## Module 7.2



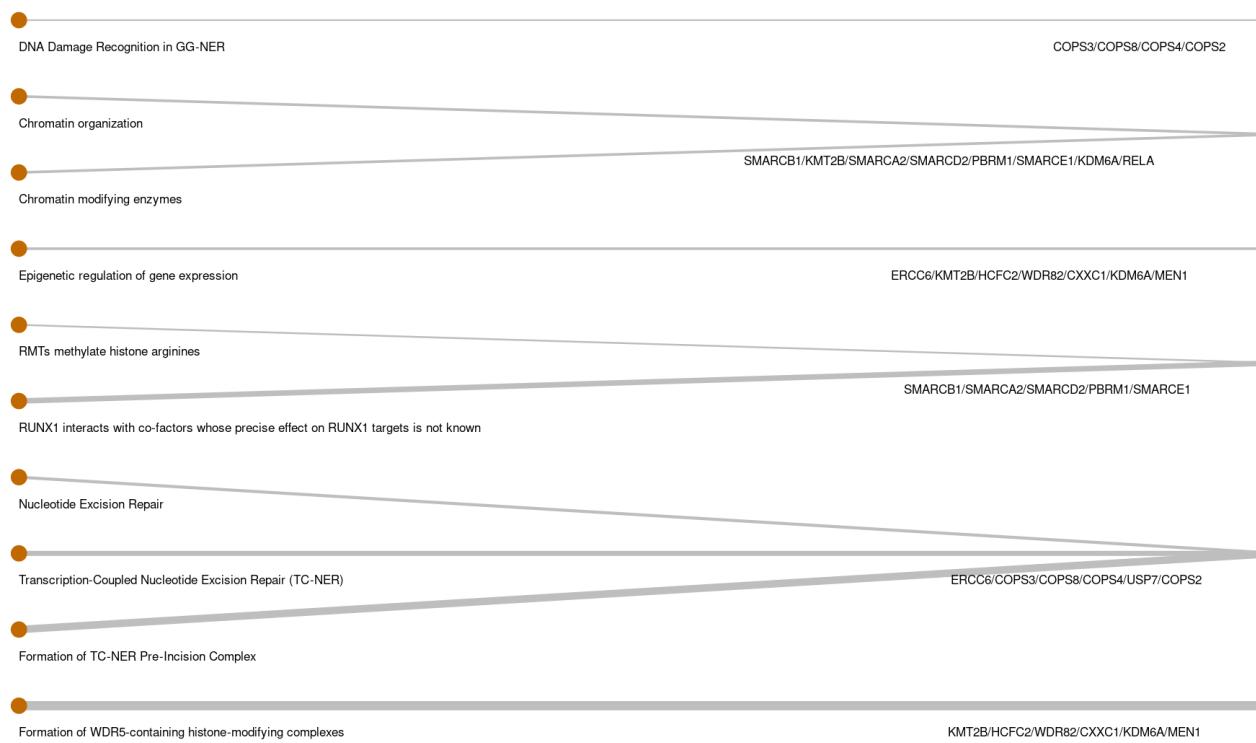
### Module 7.3



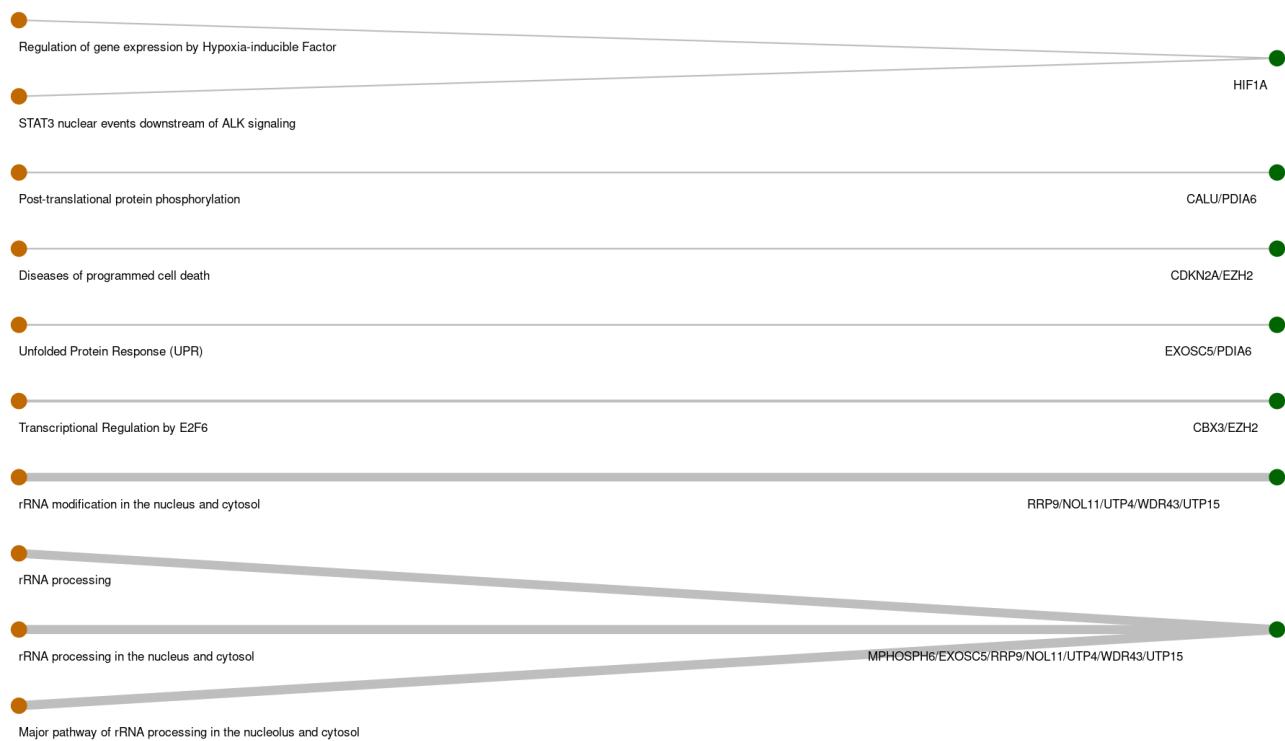
#### Module 7.4



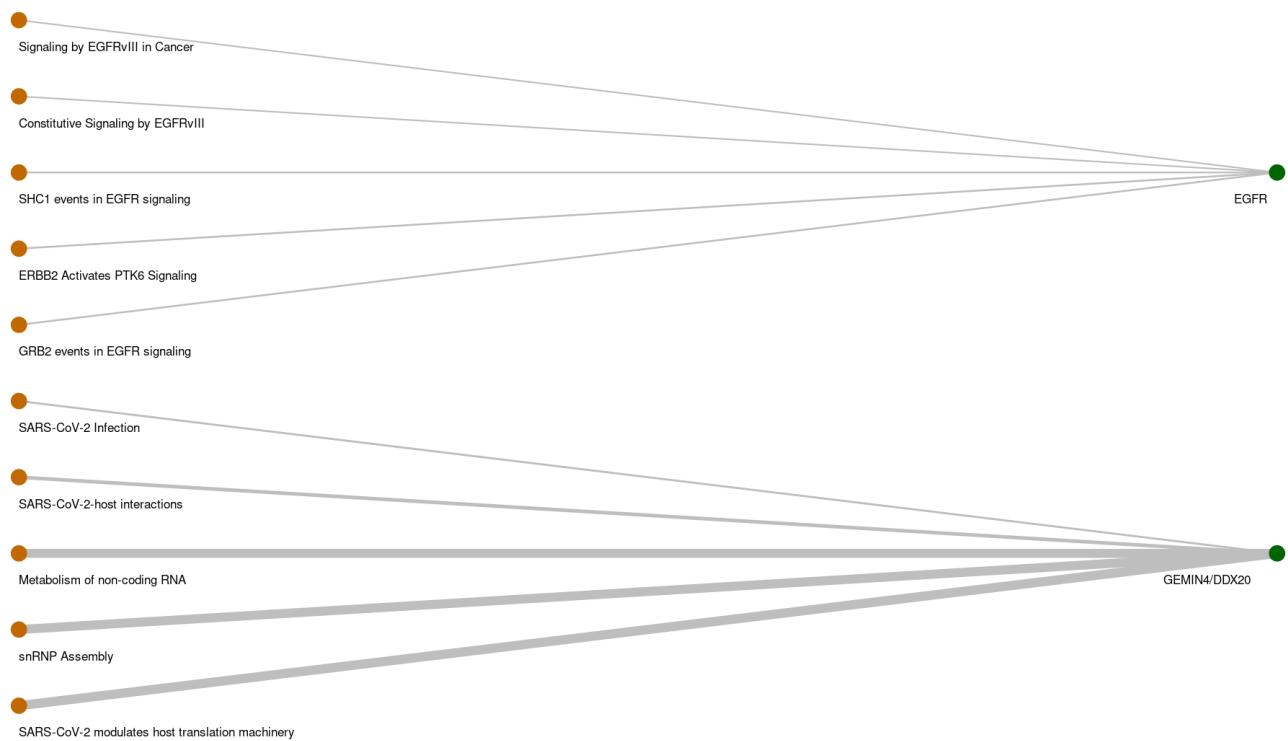
## Module 8.1



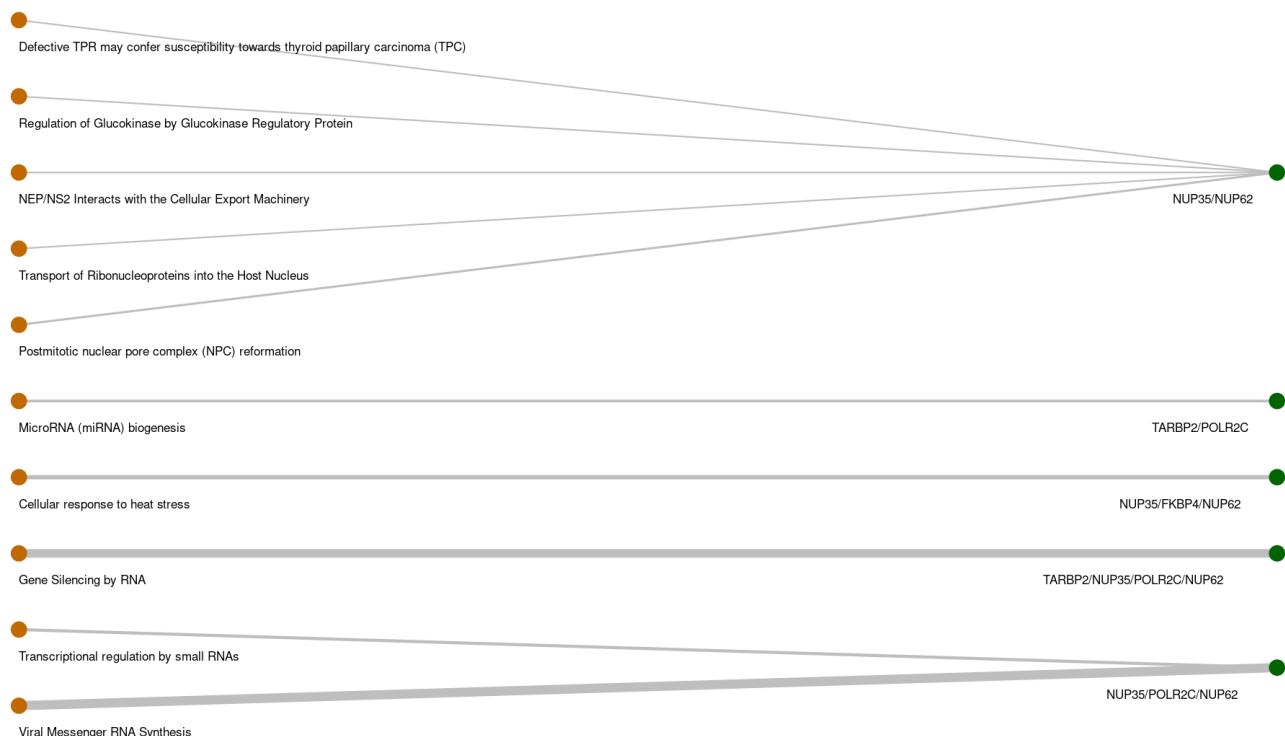
## Module 8.2



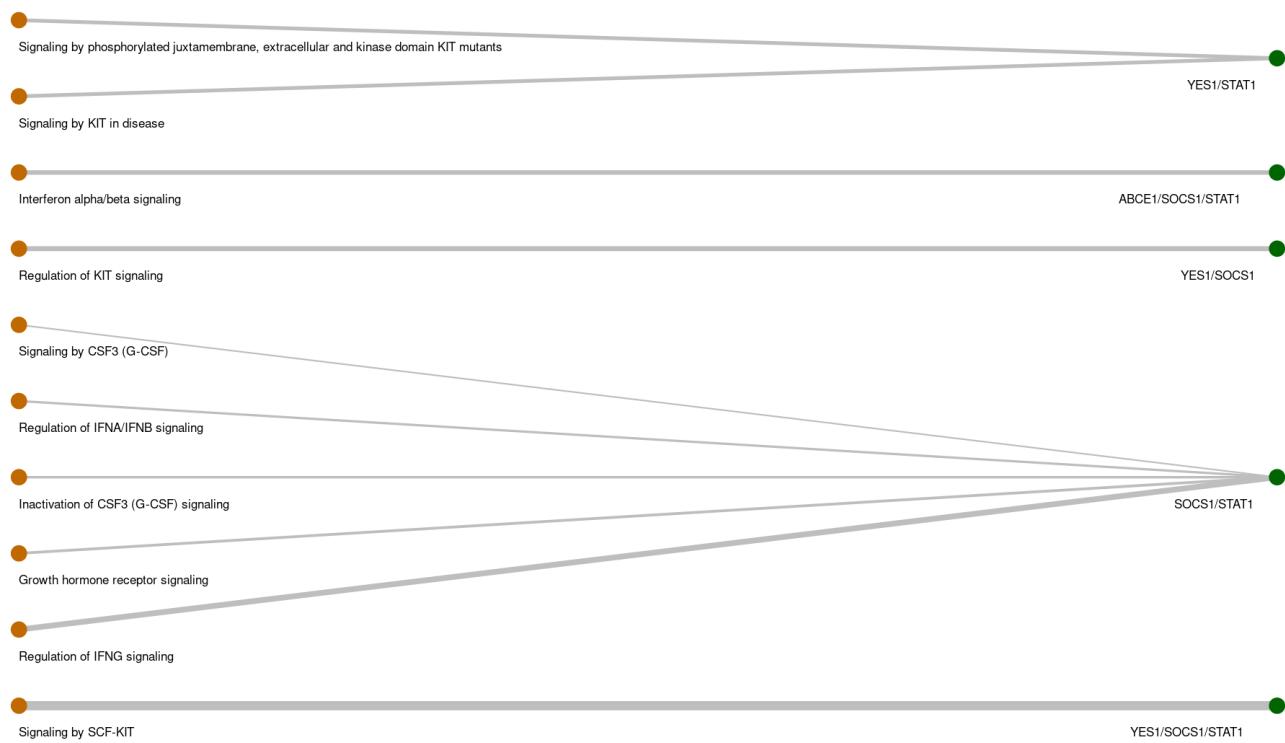
## Module 9.1



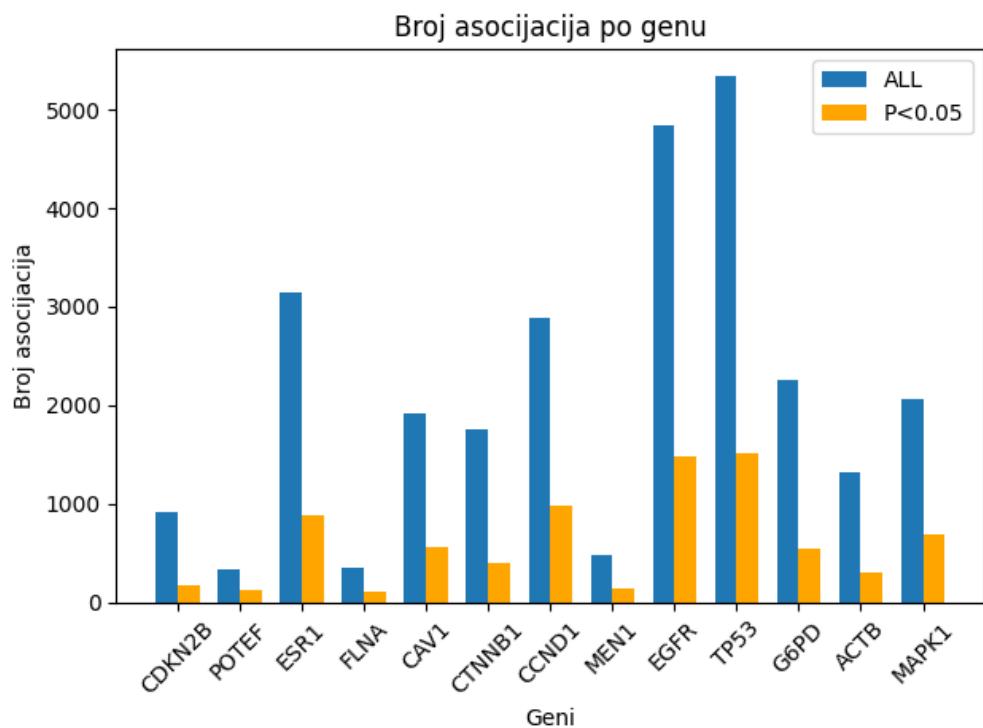
## Module 11.1

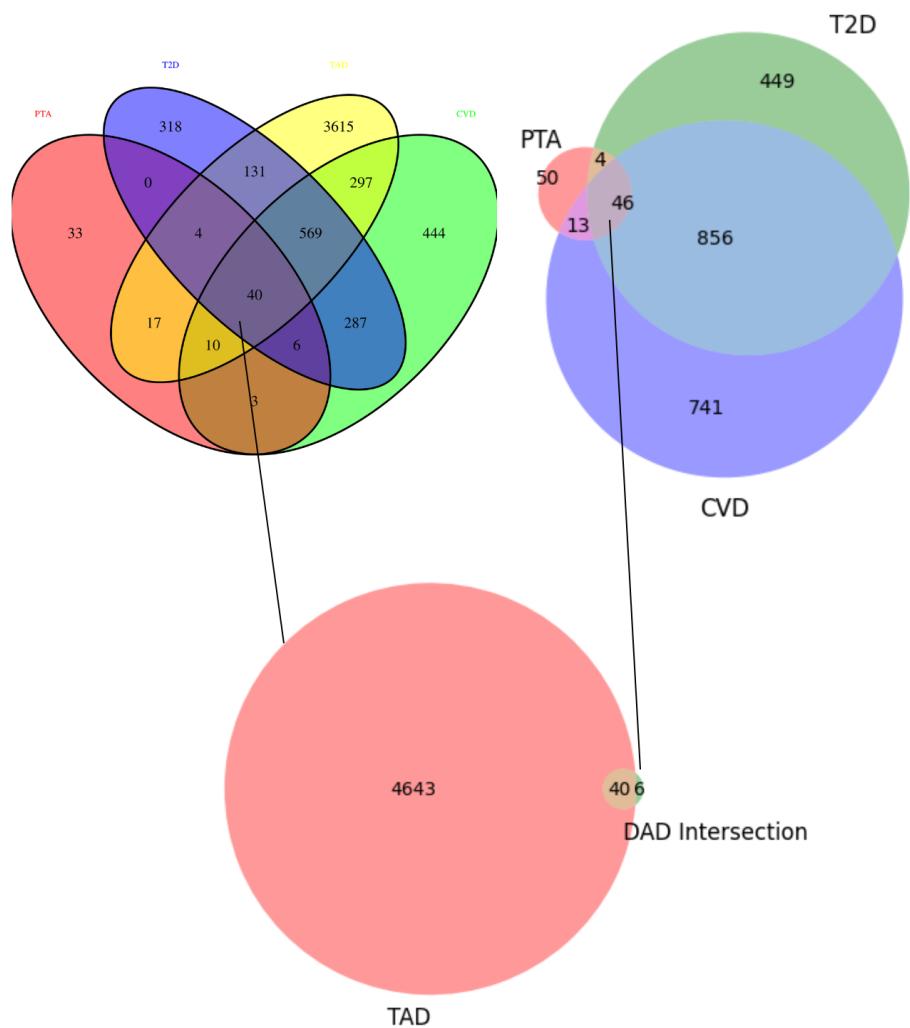


### Module 13.1



## 5 Интеракције између лекова и циљаних протеина





Слика 27: Венеови дијаграми лекова

