



Oncogenes Signal Transduction and Regulation

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Oncogenes signal pathway dysregulation plays a significant role in the occurrence of the cancer. Here we study the case of cancer occurred due to the Oncogenes dysregulation and also to study its regulation.

Keywords: Signaling pathways; Dysregulation Landscape; Molecular Subtypes; Multi-omics; Biomarkers; Pan-cancer

Introduction

Four subtype of pathway of transduction has been found on several studies [1].

This figure shows the coincidence rate of clusters under different clustering methods and results of consistent clustering method by the TCGA [2] clustering methods and also shows the plot score of 10 enrichment pathways in the gene analysis [3].

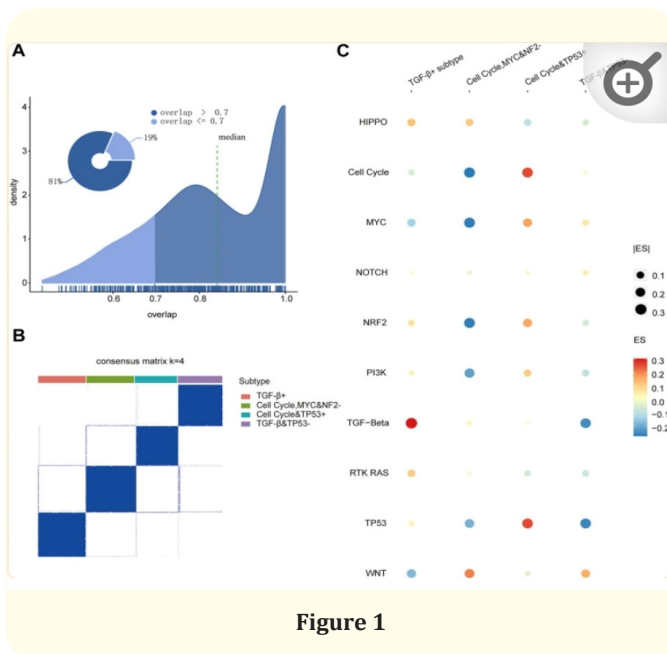
**Figure 1**

Figure 2 this shows A,B) Kaplan–Meier curves of the overall survival (OS) and disease-free survival (DFS) among the four subtypes in TCGA training cohort. (C,D) Forest plot of single Cox regression analysis on subtypes for OS and [4] DFS. The hazard ratios are shown with 95% confidence intervals. (E) Percentage heat map shows the distribution of 32 cancers in four subtypes (left), and the dotted heat map and histogram show the distribution of 32 cancers in the recurrence and metastasis state (right). (F) Distribution of the four subtypes in the pathological stage. (G) Distribution of the four subtypes in the recurrence and metastasis state. (H) Sensitivity to drugs of four subtypes' patients. (None: sensitive; relapse, transfer, both: insensitive) [5].

Figure 3 Shows the heat analysis in the cancer and gene expression HIPPO pathway.

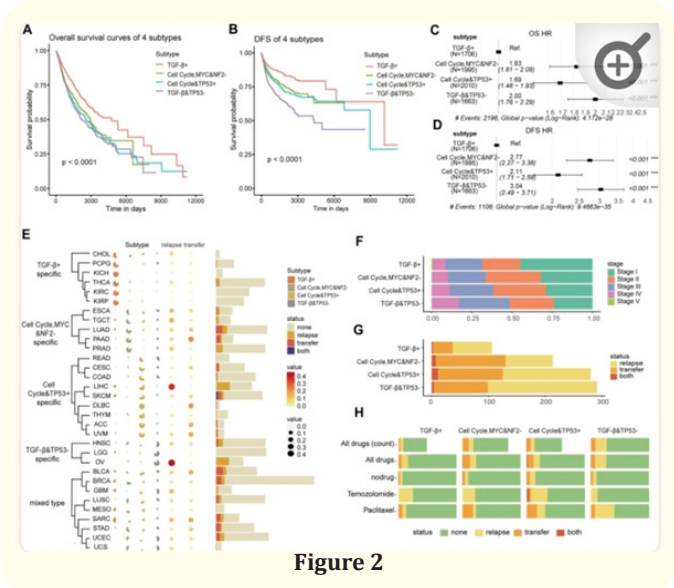


Figure 2

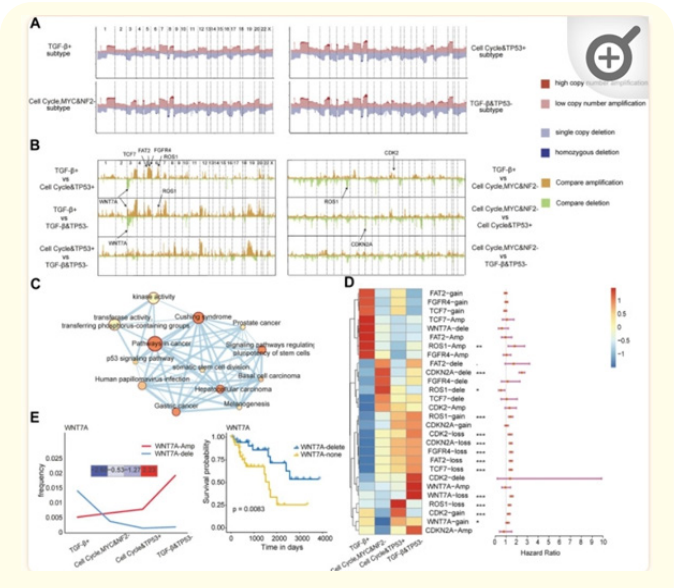


Figure 4

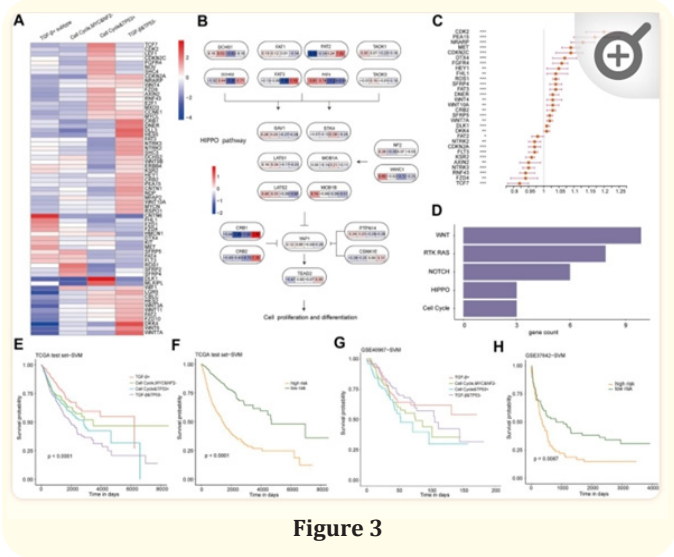


Figure 3

And analysis of Cox regression of 30 genes and their pathway [6].

Figure 4 shows the somatic CNA frequency of the individual in each subtype of [7] transduction pathway and also comparison between CNA frequency between subtypes. Shows interaction between the enriched pathways and also differences in the copy number and changes in the amplified and deleted samples of WTF samples [8].

Treatment of cancer

Basically monoclonal antibodies with interleukin can be used to treat cancer [9].

Stem cell therapy can be used as a cure [10].

Discussion

- Signal pathway of oncogenes
- Transduction pathway of oncogenes
- Treatment of cancer.

Conclusion

Signal and transduction of oncogenes are found.

Bibliography

1. <https://pubmed.ncbi.nlm.nih.gov/30482855/>
2. <https://pubmed.ncbi.nlm.nih.gov/16273092/>
3. <https://pubmed.ncbi.nlm.nih.gov/3842426/>
4. <https://pubmed.ncbi.nlm.nih.gov/31174842/>
5. <https://pubmed.ncbi.nlm.nih.gov/29308323/>
6. <https://pubmed.ncbi.nlm.nih.gov/32830322/>
7. <https://pubmed.ncbi.nlm.nih.gov/24071851/>
8. <https://pubmed.ncbi.nlm.nih.gov/30361341/>
9. <https://pubmed.ncbi.nlm.nih.gov/30598115/>
10. <https://pubmed.ncbi.nlm.nih.gov/26669487/>