生信分析报告

项目标题：骨肉瘤

单　　号：BSZD231122

分析人员：黄礼闯

分析类型：分析优化

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3.1 Seurat 单细胞数据分析 (OS)

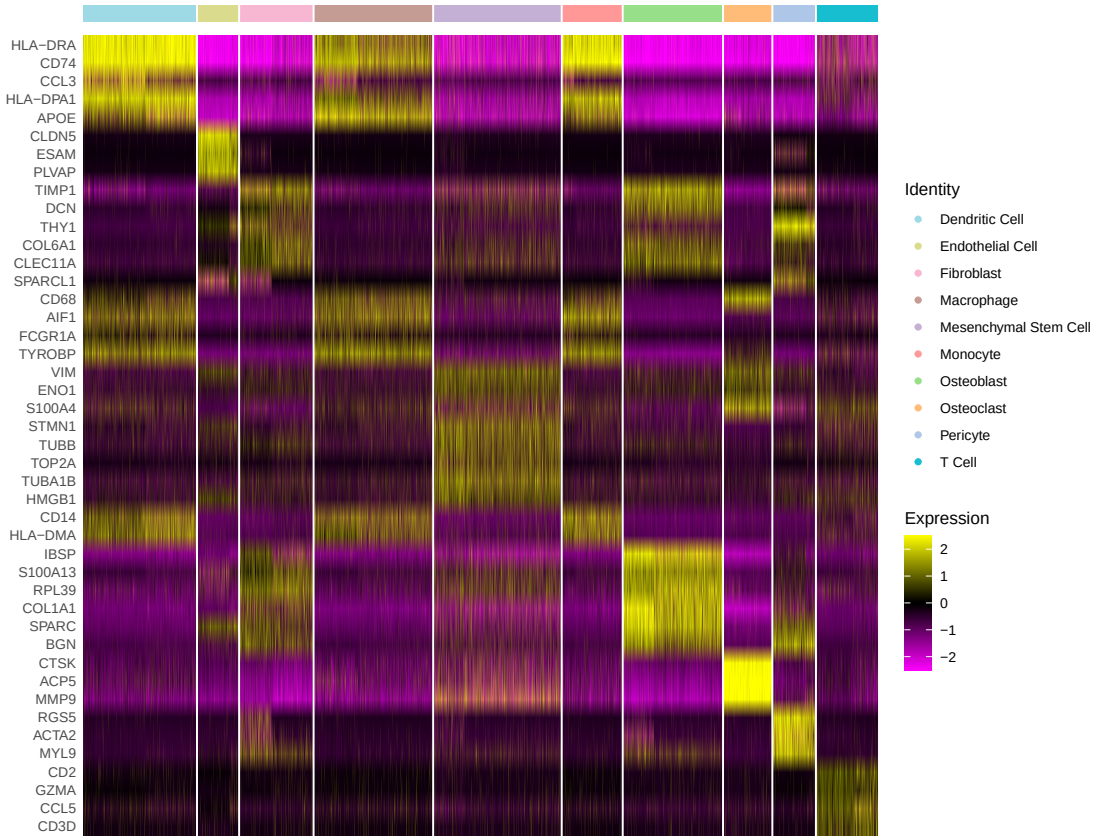

Figure 1: OS Markers in cell types

query :

Identify cell types of Osteosarcoma cells using the following markers separately for each row. Only provide the cell type name (for each row). Show numbers before the name. Some can be a mixture of multiple cell types (separated by ' & '). Then, provide 3 classical markers that distinguish the cell type from other cells (separated by '; '). (e.g., 1. X Cell & Y Cell; Marker1; Marker2; Marker3) 1. FTL,APOC1,APOE,LGMN,C1QB,CTSD,CTSB,C1QA,PSAP,TYROBP,RNASE1,FTH1,TREM2,C1QC,IGSF6,FO
2. MMP9,PTMA,VIM,RPS2,RPS6,ENO1,EMP3,RPS12,NDUFS8,RPS23,MALAT1,RPL13A,RPLP2,RPS14,COX4
3. LUM,RPL39,TIMP1,HLA-B,RPS27,ID3,RPL35,CLEC11...

feedback :

1. Macrophage; CD68; AIF1; FCGR1A 2. Mesenchymal Stem Cell; VIM; ENO1; S100A4 3. Fibroblast; TIMP1; DCN; THY1 4. Monocyte; CD14; HLA-DMA; TYROBP 5. Mesenchymal Stem Cell; STMN1; TUBB; TOP2A 6. Macrophage; CD68; TYROBP; FCGR1A 7. Dendritic Cell; HLA-DRA; CD74; CCL3 8. Osteoblast; IBSP; S100A13; RPL39 9. Osteoclast; CTSK; ACP5; MMP9 10. Osteoblast; COL1A1; SPARC; BGN 11. Pericyte; RGS5; ACTA2; MYL9 12. Endothelial Cell; CLDN5; ESAM; PLVAP 13. Dendritic Cell; HLA-DRA; HLA-DPA1; CD74 14. T Cell; CD2; GZMA; CCL5 15. T Cell; CD3D; GZMA; CCL5 16. Dendritic Cell; HLA-DRA; CD74; APOE 17. Fibroblast; COL6A1; CLEC11A; SPARCL1 18. Mesenchymal Stem Cell; TUBA1B; STMN1; HMGB1

(上述信息框内容已保存至 `Figure+Table/OS-Markers-in-cell-types-content`)

3.2 CopyKAT 癌细胞鉴定 (BC2)

3.3 CopyKAT 癌细胞鉴定 (BC3)

3.4 scFEA 单细胞数据的代谢通量预测 (OS)

4 总结