# sc-org figures (AB) to pdf

## Raphael Kubler

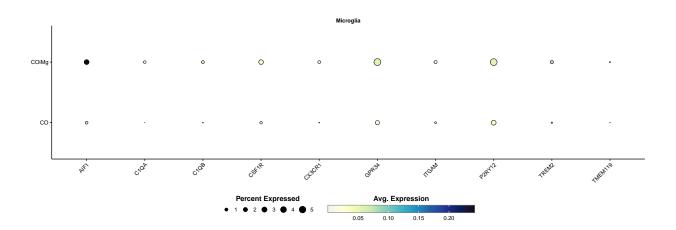
## 02/15/2024

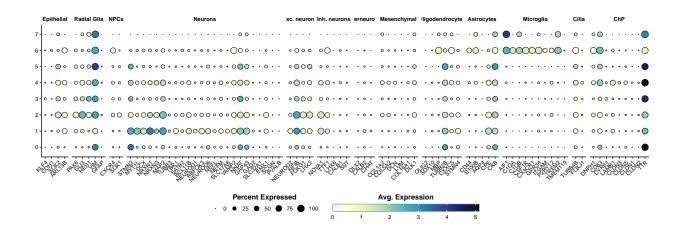
## Contents

Single-cell RNA-seq analysis of COs vs COiMG								
	Annotation	1						
	UMAPs	2						
	Feature plots - marker scores	9						
	Feature Plots - Cilia genes	Ĉ						
	Feature Plots - Microglia genes	10						
	Proportions	11						
	Cilia genes CO vs COiMg	12						
	Bulk DEGs across clusters	12						

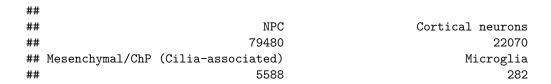
# Single-cell RNA-seq analysis of ${ m COs}$ vs ${ m COiMG}$

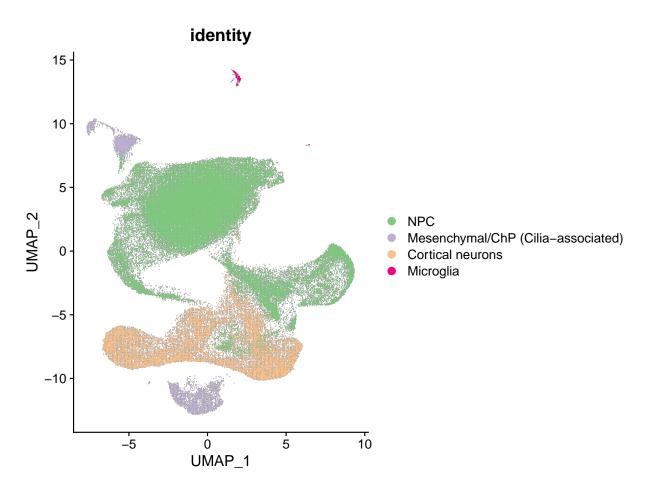
#### Annotation

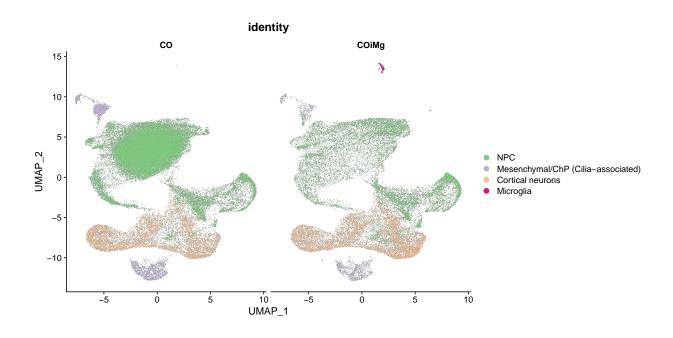


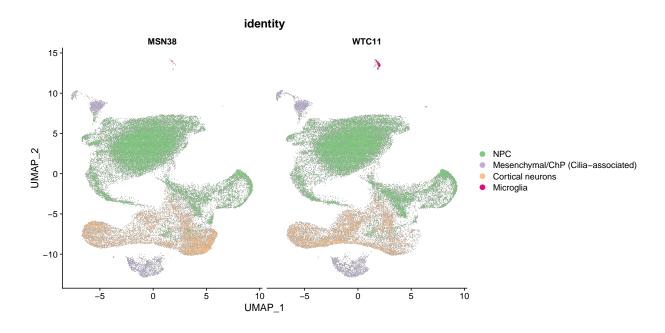


#### UMAPs







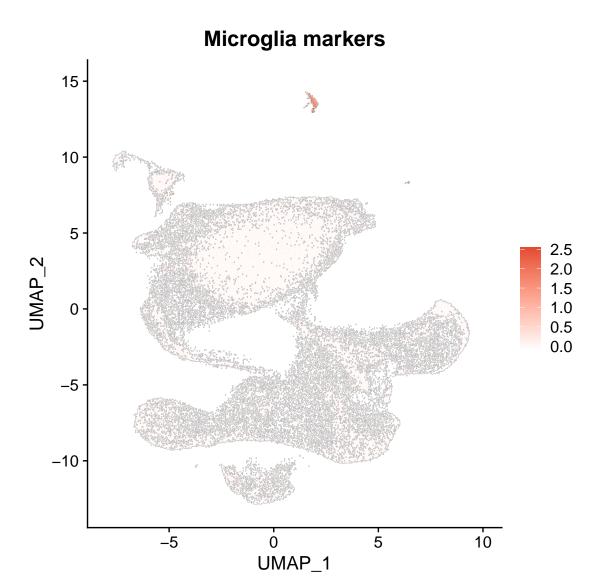


##							
##		NPC	Mesenchymal/ChP	(Cilia-associated)	${\tt Cortical}$	neurons	Microglia
##	MSN38	38690		2603		11712	26
##	WTC11	40790		2985		10358	256

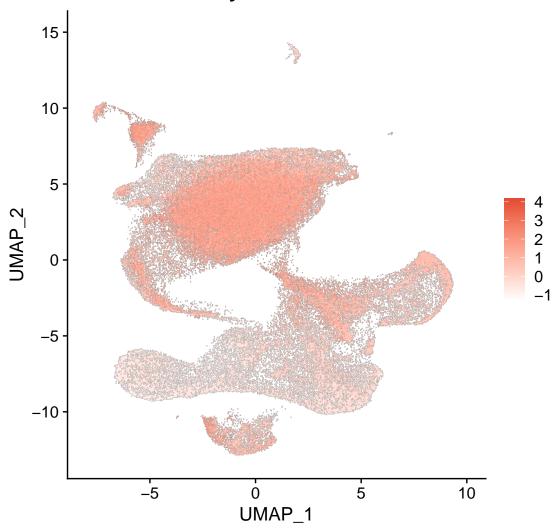
#### Feature plots - marker scores

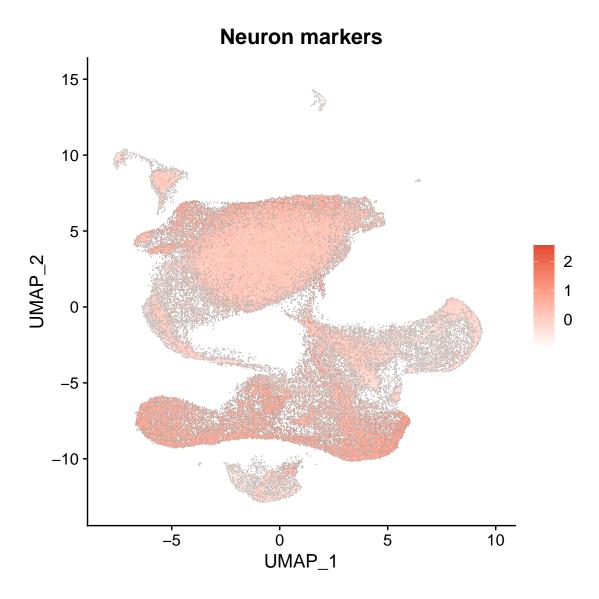
#### Concatenated marker lists

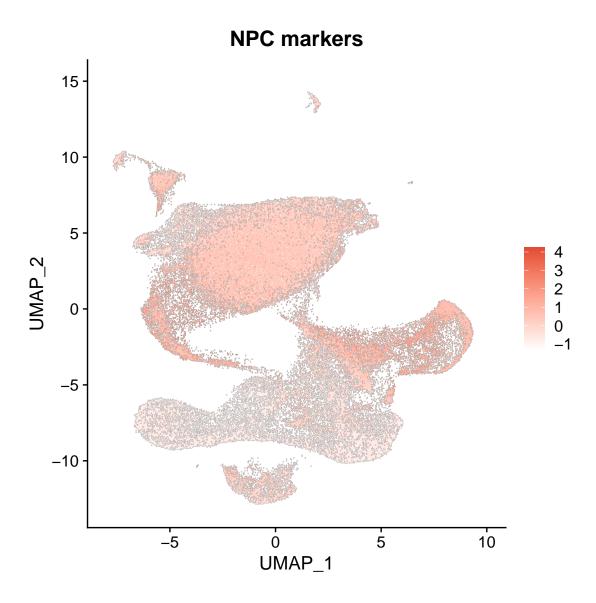
Here I simply filtered the genes inside these gene sets based on their raw rowMeans(expression) > 1



# Mesenchymal/ChP markers

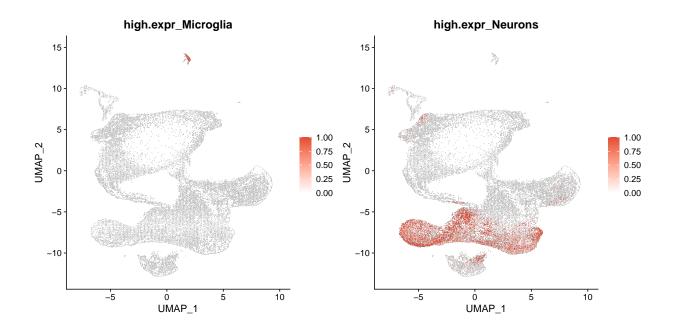


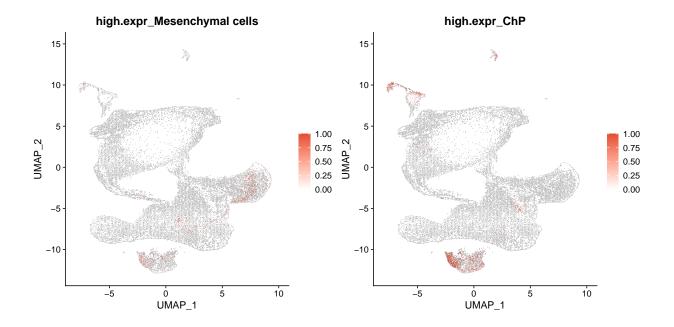


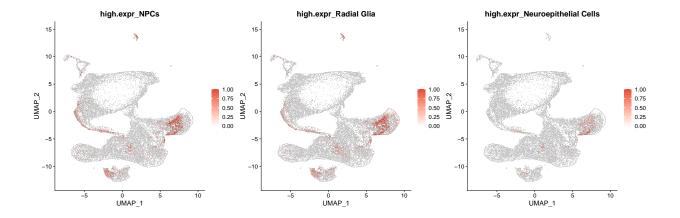


#### Filtered list

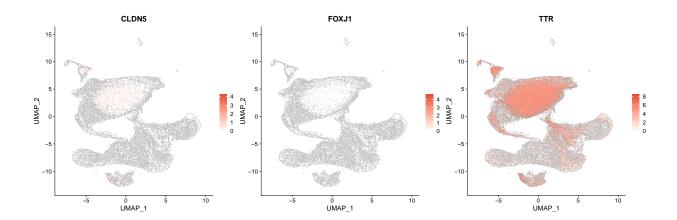
Then I said that any cell must express at least fulfill colMeans (expression) > 5 to be considered a high expression cell. These I annotated with 1, the other cells with 0. The results is a gradient between 0-1, colorized.



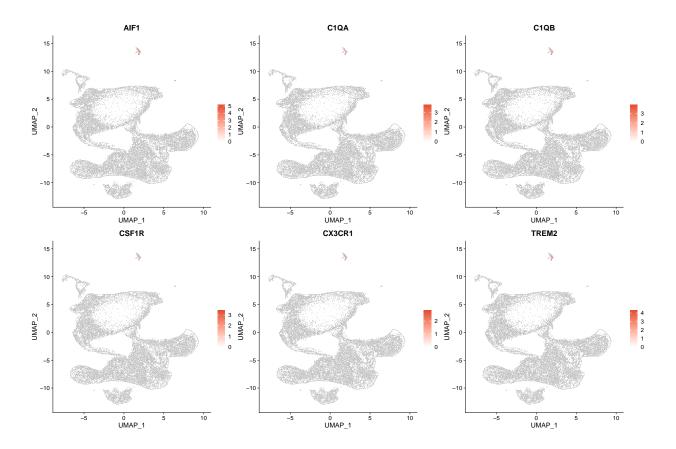




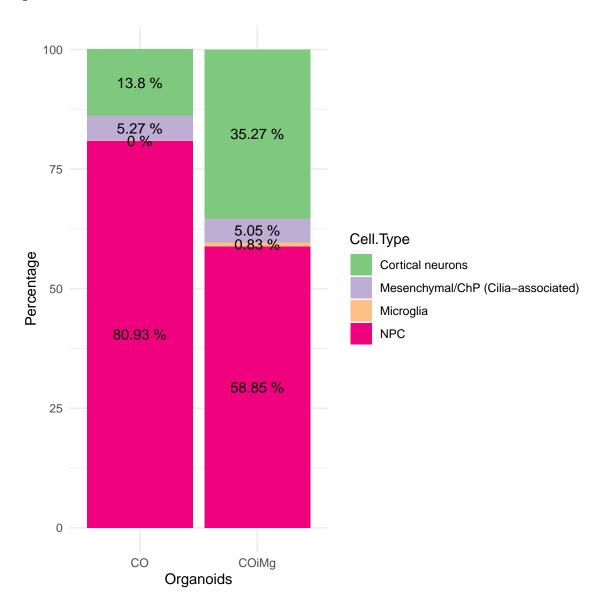
## Feature Plots - Cilia genes



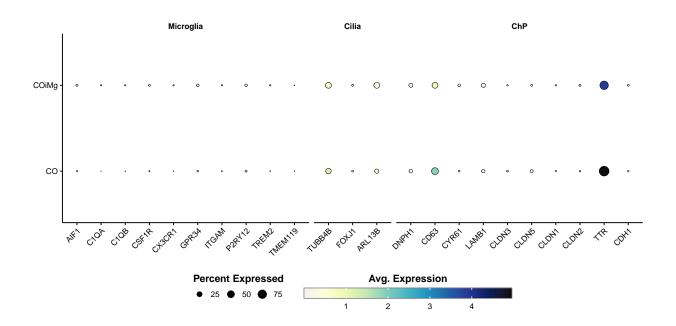
## Feature Plots - Microglia genes



## Proportions



## Cilia genes CO vs COiMg



#### Bulk DEGs across clusters

