

A análise por famílias gênicas:

Genes no tecido normal:

View Gene Families for Selected Genes

The following table provides a functional overview of the MSigDB gene sets by categorizing their genes into a small number of carefully chosen "gene families". To categorize the genes in a gene set, use the [gene set page](#) or the [Investigate Gene Sets page](#).

Click on a gene family or gene family intersection to retrieve annotations for those genes.

	cytokines and growth factors	transcription factors	homeodomain proteins	cell differentiation markers	protein kinases	translocated cancer genes	oncogenes	tumor suppressors
tumor suppressors	0	0	0	0	0	0	0	0
oncogenes	0	0	0	0	0	2	2	
translocated cancer genes	0	0	0	0	0	2		
protein kinases	0	0	0	0	0			
cell differentiation markers	0	0	0	0				
homeodomain proteins	0	0	0					
transcription factors	0	0						
cytokines and growth factors	0							

Members of these "gene families" share a common feature such as homology or biochemical activity. They do not necessarily have common origins. For the source of each "gene family" definition, [click here](#).

COL1A1

MYH11

Genes comuns aos dois tecidos:

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	cytokines and growth factors	transcription factors	homeodomain proteins	cell differentiation markers	protein kinases	translocated cancer genes	oncogenes	tumor suppressors
tumor suppressors	0	0	0	0	0	0	0	0
oncogenes	0	0	0	0	0	0	0	
translocated cancer genes	0	0	0	0	0	0		
protein kinases	0	0	0	0	0			
cell differentiation markers	0	0	0	1				
homeodomain proteins	0	0	0					
transcription factors	0	0						
cytokines and growth factors	0							

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CEACAM5

Genes no tecido tumoral:

View Gene Families for Selected Genes

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	cytokines and growth factors	transcription factors	homeodomain proteins	cell differentiation markers	protein kinases	translocated cancer genes	oncogenes	tumor suppressors
tumor suppressors	0	0	0	0	0	0	0	0
oncogenes	0	0	0	0	0	0	0	
translocated cancer genes	0	0	0	0	0	1		
protein kinases	0	0	0	0	0			
cell differentiation markers	0	0	0	0				
homeodomain proteins	0	0	0					
transcription factors	0	0						
cytokines and growth factors	0							

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MALAT1

Análise: No tecido normal encontramos da família de oncogenes e “translocated cancer genes” COL1A1 e MYH11 , no tecido o gene CEACAM5 da família de marcadores de diferenciação celular e no tecido tumoral o gene MALAT1 da família “translocated cancer genes” e os genes GAPDH, HSPA8, RPL19 e ERGIC3 que são conhecidos por “up-regulated” genes relacionados ao câncer de colon.