

Supplementary Materials – Table S2

Expression of Anoctamin 7 (ANO7) Is Associated with Poor Prognosis and Mucin 2 (MUC2) in Colon Adenocarcinoma: A Study Based on TCGA Data

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Supplementary Table S2. The details of GO enrichment analysis and KEGG pathway analysis of ANO7-correlated genes in COAD using DAVID.

ID	Term	Count	%	Genes	Fold Enrichment	FDR
<u>GO biological process</u>						
GO:0006508	Proteolysis	7	14	<i>CAPN9, ABHD17B, AGBLI, TPSG1, CLCA1, KLK3, RHBDL3</i>	7.85	0.038443
GO:0006493	Protein O-linked glycosylation	3	6	<i>B3GNT6, GALNTL6, GALNT8</i>	21.20	0.77371
GO:0003073	Regulation of systemic arterial blood pressure	2	4	<i>KLK1, KLK3</i>	67.64	1
GO:0006886	Intracellular protein transport	4	8	<i>TBC1D2, MLPH, SGSM3, SYTL1</i>	5.79	1
GO:0031638	Zymogen activation	2	4	<i>KLK1, KLK3</i>	36.42	1
GO:0016266	O-glycan processing	2	4	<i>B3GNT6, GALNT8</i>	23.10	1
<u>GO cellular component</u>						
GO:0000139	Golgi membrane	7	14	<i>ST6GALNAC1, B3GNT6, RAB26, HEPACAM2, GALNTL6, CBFA2T3, GALNT8</i>	4.53	0.289054
GO:0005886	Plasma membrane	18	36	<i>NPDC1, LRRC26, TPSG1, PTGER2, SYTL1, CACNA2D2, GPR20, GPRIN3, GP9, TBC1D2, RASD1, ABHD17B, FAM174B, RAB26, NEURL1, SLITRK6, SIFT1, CLCA1</i>	1.45	1
<u>GO molecular function</u>						
GO:0008236	Serine-type peptidase activity	3	6	<i>ABHD17B, TPSG1, KLK3</i>	22.40	0.324097
GO:0004252	Serine-type endopeptidase activity	4	8	<i>KLK1, TPSG1, KLK3, RHBDL3</i>	9.37	0.324097
GO:0004653	Polypeptide N-acetylgalactosaminyltransferase activity	2	4	<i>GALNTL6, GALNT8</i>	44.06	1
<u>KEGG pathway</u>						
hsa00512	Mucin type O-glycan biosynthesis	4	8	<i>ST6GALNAC1, B3GNT6, GALNTL6, GALNT8</i>	78.38	0.000296
hsa00514	Other types of O-glycan biosynthesis	2	4	<i>GALNTL6, GALNT8</i>	30.02	0.746597
hsa04924	Renin secretion	2	4	<i>PTGER2, CLCA1</i>	20.44	0.746597