

#203780 ALPORT SYNDROME, AUTOSOMAL RECESSIVE

OMIM Gene ID	HGNC	UniProtAC
120070	COL4A3	Q01955
120131	COL4A4	P53420

Table 1: OMIM - UniProtAC mapping

Legend

- N1: #input proteins associated to the significant GO term
- N2: #proteins associated to the significant GO term
- P-value: Bonferroni-corrected p-value of Fisher's exact test
- *red*: go terms not related to the input proteins
- *blue*: go terms related to the input proteins (enriched uniquely by network-based method)
- *green*: go terms ancestors of terms enriched with the standard method (enriched uniquely by network-based method)

1 Standard enrichment

GO Term	N1	N2	P-value	Description
GO:0032836	2	19	2.35283e-05	glomerular basement membrane development
GO:0030574	2	78	0.000413191	collagen catabolic process
GO:0044243	2	84	0.000479647	multicellular organismal catabolic process
GO:0032963	2	96	0.000627421	collagen metabolic process
GO:0044259	2	105	0.000751255	multicellular organismal macromolecule metabolic process
GO:0044236	2	112	0.000855275	multicellular organismal metabolic process
GO:0022617	2	117	0.000933703	extracellular matrix disassembly
GO:0022411	2	404	0.0112008	cellular component disassembly
GO:0007411	2	476	0.0155549	axon guidance
GO:0072577	1	3	0.0155787	endothelial cell apoptotic process
GO:0097485	2	477	0.0156203	neuron projection guidance
GO:0030198	2	486	0.016216	extracellular matrix organization
GO:0043062	2	487	0.0162828	extracellular structure organization

Table 2: Overrepresented GO terms with the standard enrichment

2 Network-based enrichment

No novel enriched terms