

#111400 BLOOD GROUP, P1PK SYSTEM

OMIM Gene ID	HGNC	UniProtAC
603094	B3GALNT1	O75752
607922	A4GALT	Q9NPC4

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:0001576	1	1	0.00270249	globoside biosynthetic process
GO:0001575	1	2	0.00540493	globoside metabolic process
GO:0006486	2	411	0.00603299	protein glycosylation
GO:0043413	2	411	0.00603299	macromolecule glycosylation
GO:0070085	2	429	0.0065737	glycosylation
GO:0044723	2	1049	0.0393591	single-organism carbohydrate metabolic process

Table 2: Overrepresented GO terms with the standard enrichment

2 Network-based enrichment

GO Term	N1	N2	P-value	Description
GO:0009312	1	33	0.0495035	oligosaccharide biosynthetic process

Table 3: Overrepresented terms with the network-based enrichment. Only terms not detected with the standard method.