

#609135 APLASTIC ANEMIA

OMIM Gene ID	HGNC	UniProtAC
147570	IFNG	P01579
602667	NBN	O60934

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:0002285	2	121	0.00543292	lymphocyte activation involved in immune response
GO:0002263	2	170	0.0107498	cell activation involved in immune response
GO:0002366	2	170	0.0107498	leukocyte activation involved in immune response
GO:0007050	2	189	0.0132949	cell cycle arrest
GO:0032113	1	1	0.0282437	regulation of carbohydrate phosphatase activity
GO:0060549	1	1	0.0282437	regulation of fructose 1,6-bisphosphate 1-phosphatase activity
GO:0060550	1	1	0.0282437	positive regulation of fructose 1,6-bisphosphate 1-phosphatase activity
GO:0060551	1	1	0.0282437	regulation of fructose 1,6-bisphosphate metabolic process
GO:0060552	1	1	0.0282437	positive regulation of fructose 1,6-bisphosphate metabolic process
GO:0045786	2	343	0.0438921	negative regulation of cell cycle

Table 2: Overrepresented GO terms with the standard enrichment

2 Network-based enrichment

GO Term	N1	N2	P-value	Description
GO:0045911	2	55	0.00268405	positive regulation of DNA recombination
GO:0000018	2	154	0.0212935	regulation of DNA recombination

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