

#254450 MYELOFIBROSIS

OMIM Gene ID	HGNC	UniProtAC
109091	CALR	P27797
147796	JAK2	O60674
159530	MPL	P40238
605093	SH2B3	Q9UQQ2

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:0031958	2	13	0.00037373	corticosteroid receptor signaling pathway
GO:0007596	3	501	0.00523946	blood coagulation
GO:0050817	3	501	0.00523946	coagulation
GO:0007599	3	510	0.00552651	hemostasis
GO:0050878	3	717	0.015319	regulation of body fluid levels
GO:0030518	2	91	0.0195668	intracellular steroid hormone receptor signaling pathway

Table 2: Overrepresented GO terms with the standard enrichment

2 Network-based enrichment

GO Term	N1	N2	P-value	Description
GO:0030168	3	539	0.0199892	platelet activation
GO:0061564	2	85	0.0462043	axon development

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