

#613688 LONG QT SYNDROME 2; LQT2

OMIM Gene ID	HGNC	UniProtAC
152427	KCNH2	Q12809
603313	ALG10	Q5BKT4

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:1902302	1	1	0.00694169	regulation of potassium ion export
GO:1902303	1	1	0.00694169	negative regulation of potassium ion export
GO:0003064	1	2	0.0138832	regulation of heart rate by hormone
GO:0003062	1	7	0.0485879	regulation of heart rate by chemical signal
GO:1901380	1	7	0.0485879	negative regulation of potassium ion transmembrane transport

Table 2: Overrepresented GO terms with the standard enrichment

2 Network-based enrichment

GO Term	N1	N2	P-value	Description
GO:0006487	2	174	0.00417685	protein N-linked glycosylation

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