

#105830 ANGELMAN SYNDROME; AS

OMIM Gene ID	HGNC	UniProtAC
300005	MECP2	P51608
300203	CDKL5	O76039
601623	UBE3A	Q05086

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:0035037	1	1	0.0317145	sperm entry

Table 2: Overrepresented GO terms with the standard enrichment

2 Network-based enrichment

GO Term	N1	N2	P-value	Description
GO:0032320	3	1071	0.0181905	positive regulation of Ras GTPase activity
GO:0032318	3	1285	0.031433	regulation of Ras GTPase activity
GO:0001558	3	1390	0.0397922	regulation of cell growth

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