

# #308800 KERATOSIS FOLLICULARIS SPINULOSA DECALVANS, X-LINKED; KFSDX

| OMIM Gene ID | HGNC   | UniProtAC |
|--------------|--------|-----------|
| 300294       | MBTPS2 | O43462    |
| 313020       | SAT1   | P21673    |

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:0032917 | 1  | 2  | 0.0117637 | polyamine acetylation        |
| GO:0032918 | 1  | 2  | 0.0117637 | spermidine acetylation       |
| GO:0009447 | 1  | 3  | 0.0176452 | putrescine catabolic process |
| GO:0009445 | 1  | 5  | 0.0294079 | putrescine metabolic process |
| GO:0006598 | 1  | 6  | 0.035289  | polyamine catabolic process  |

Table 2: Overrepresented GO terms with the standard enrichment

## 2 Network-based enrichment

| GO Term    | N1 | N2 | P-value  | Description                |
|------------|----|----|----------|----------------------------|
| GO:0008215 | 1  | 12 | 0.046818 | spermine metabolic process |

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