Cross−Database Validation: Translation Crisis is Robust

Top 30 translation pathways across 6 independent databases (FDR < 0.05)

Pathway (y-axis) — **DRP1 Mutation** (x-axis)

GOBP
- GOBP_RIBOSOMAL_SUBUNIT_EXPORT_FROM_NUCLEUS
- GOBP_MITOCHONDRIAL_TRANSLATION
- GOBP_REGULATION_OF_MITOCHONDRIAL_TRANSLATION
- GOBP_RIBOSOMAL_SMALL_SUBUNIT_BIOGENESIS
- GOBP_RIBOSOMAL_LARGE_SUBUNIT_BIOGENESIS
- GOBP_RIBONUCLEOPROTEIN_COMPLEX_BIOGENESIS
- GOBP_RIBOSOME_BIOGENESIS
- GOBP_CYTOPLASMIC_TRANSLATION

GOCC
- GOCC_PRERIBOSOME
- GOCC_SNO_S_RNA_CONTAINING_RIBONUCLEOPROTEIN_COMPLEX
- GOCC_SMALL_NUCLEAR_RIBONUCLEOPROTEIN_COMPLEX
- GOCC_MITOCHONDRIAL_SMALL_RIBOSOMAL_SUBUNIT
- GOCC_ORGANELLAR_RIBOSOME
- GOCC_PRERIBOSOME_LARGE_SUBUNIT_PRECURSOR
- GOCC_90S_PRERIBOSOME
- GOCC_LARGE_RIBOSOMAL_SUBUNIT
- GOCC_CYTOSOLIC_SMALL_RIBOSOMAL_SUBUNIT
- GOCC_CYTOSOLIC_RIBOSOME
- GOCC_CYTOSOLIC_LARGE_RIBOSOMAL_SUBUNIT

GOMF
- GOMF_STRUCTURAL_CONSTITUENT_OF_RIBOSOME

KEGG
- KEGG_MEDICUS_REFERENCE_TRANSLATION_INITIATION

REACTOME
- REACTOME_EXPORT_OF_VIRAL_RIBONUCLEOPROTEINS_FROM_NUCLEUS
- REACTOME_MITOCHONDRIAL_TRANSLATION
- REACTOME_SARS_COV_1_MODULATES_HOST_TRANSLATION_MACHINERY
- REACTOME_EUKARYOTIC_TRANSLATION_INITIATION
- REACTOME_SRP_DEPENDENT_COTRANSLATIONAL_PROTEIN_TARGETING_...
- REACTOME_EUKARYOTIC_TRANSLATION_ELONGATION

SYNGO
- presynaptic ribosome
- postsynaptic ribosome

WIKI
- WP_CYTOPLASMIC_RIBOSOMAL_PROTEINS

x-axis categories: G32A, R403C

−log10(FDR): 2, 5, 10, 15

NES: 2, 0, −2