JFYL007_U_3_0.1vsJFYL007_AS_3_0.1 Biological Process - rankScore 50, p<0.01 <-- RankScore total number of genes --> / DNA-dependent DNA replication 18 6 7 vesicle docking involved in exocytosis 6 cellular amino acid metabolic process 12 mRNA transport 16 intracellular protein transport 25 31 **GO terms** arginine biosynthetic process 11 5 ΑII 3077 cell redox homeostasis rDNA heterochromatin assembly 18 cytoskeleton organization 6 glutamine metabolic process 8 positive regulation of cellular process 23 5 25% 50% 75% 0% 100% Genes Molecular Function – rankScore 50, p<0.01 total number of genes --> <-- RankScore NAD binding 6 ubiquitin protein ligase binding 18 5 hydrolase activity, hydrolyzing O-glycosyl compounds 17 9 enzyme regulator activity 22 Onaperone carboxy-lyase activity

D-threo-aldose 1-dehydrogenase activity

oxidoreductase activity, acting on paired donors, with incorporation or reductio...

heat shock protection protein folding chaperone 16 6 20 7 2 6 21 10 3077 unfolded protein binding 13 30 phospholipid binding 6 7 9 protein-macromolecule adaptor activity 13 actin filament binding 16 12 GTPase activator activity 12 16 7 chaperone binding 10 molecular adaptor activity 24 7 9 copper ion binding 11 25% 50% 75% 0% 100% Genes Cellular Component – rankScore 50, p<0.01 <-- RankScore total number of genes --> mitochondrial outer membrane 9 6 yeast-form cell wall 17 10 P-body 7 2 intracellular membrane-bounded organelle 28 9 endomembrane system 14 cytoplasmic microtubule 15 6 **GO terms** 3077 mediator complex 18 9 actin cortical patch 16 9 chromosome, centromeric region 6 microtubule cytoskeleton 10 5 9 cell cortex 10 mitochondrial nucleoid 25 cell division site 9 14 incipient cellular bud site 19 6 75% 25% 50% 0% 100% Genes Direction Up (p<0.01) Up (p>0.01) Down (p>0.01) Down (p<0.01)