JFYL007_U_116_0.1vsJFYL007_AS_116_0.1 Biological Process – rankScore 50, p<0.01 <-- RankScore total number of genes --> microtubule-based process 23 5 9 lipid transport small molecule metabolic process 4 9 fatty acid metabolic process 21 15 9 nitrogen compound transport 7 7 protein catabolic process 6 MAPK cascade 11 transcription initiation from RNA polymerase II promoter regulation of gene expression phosphatidylinositol dephosphorylation 16 2 9 6 metabolic process 19 19 ΑII 3077 regulation of cell cycle 14 DNA replication, removal of RNA primer 25 9 cell redox homeostasis 25 9 maturation of LSU-rRNA 22 5 base-excision repair 5 20 25% 50% 75% 0% 100% Genes Molecular Function - rankScore 50, p<0.01 <-- RankScore total number of genes --> 20 7 tRNA binding amino acid transmembrane transporter activity 8 8 heme binding 18 ligase activity 9 33 protein serine/threonine kinase activity 7 31 protein serine kinase activity 10 23 GO terms kinase activity 20 39 ΑII 3077 cyclin-dependent protein serine/threonine kinase activity 16 7 RNA polymerase II CTD heptapeptide repeat kinase activity 12 5 oxidoreductase activity, acting on the CH-CH group of donors 2 5 RNA-DNA hybrid ribonuclease activity 15 13 aldehyde dehydrogenase (NAD+) activity 6 5 25% 50% 75% 0% 100% Genes Cellular Component – rankScore 50, p<0.01 <-- RankScore total number of genes --> cell tip 8 5 large ribosomal subunit 2 5 nucleoplasm 3 20 nuclear envelope 6 12 preribosome, large subunit precursor 15 14 cyclin-dependent protein kinase holoenzyme complex GO terms intracellular organelle 24 18 proteasome regulatory particle, base subcomplex 3 5 endosome membrane 21 10 ΑII 3077 small-subunit processome 13 17 kinetochore 14 14 extracellular region 19 29 mediator complex 25 9 fungal-type cell wall 23 20 25% 50% 75% 0% 100% Genes Up (p<0.01) Up (p>0.01) Direction Down (p>0.01) Down (p<0.01)