OKYL049vsOKYL029 Biological Process – rankScore 25 ,pval < 0.01 <-- RankScore / total number of genes --> regulation of vacuole fusion, non-autophagic 22 5 5 pentose-phosphate shunt 23 glycolytic process 13 electron transport chain 20 5 fatty acid biosynthetic process 13 12 regulation of gene expression 17 intracellular signal transduction 18 16 ΑII 3077 cell redox homeostasis 13 microtubule-based process 12 **DNA** replication 24 21 protein modification by small protein conjugation 23 5 25% 75% 50% 0% 100% Genes Molecular Function – rankScore 25 ,pval < 0.01 <-- RankScore total number of genes --> oxidoreductase activity, acting on the aldehyde 8 6 or oxo group of donors, NAD or NADP as acceptor serine-type peptidase activity 5 11 oxidoreductase activity, acting on the CH-CH 13 5 group of donors magnesium ion binding 5 13 3 serine-type endopeptidase activity 15 NAD binding 2 GTPase activator activity 10 16 ΑII 3077 transferase activity, transferring acyl groups 16 34 ubiquitin conjugating enzyme activity 25 5 copper ion binding 14 25% 50% 75% 0% 100% Genes Cellular Component – rankScore 25 ,pval < 0.01 total number of genes --> <-- RankScore cell tip 14 5 lipid droplet hyphal cell wall 7 14 nucleosome 7 23 cell surface 15 vacuolar membrane 20 16 yeast-form cell wall 12 microtubule cytoskeleton 5 GO terms integral component of Golgi membrane 8 7 COPII-coated ER to Golgi transport vesicle 3 7 extracellular space 5 16 3077 ΑII 21 cytoskeleton 17 integral component of endoplasmic reticulum 24 9 membrane precatalytic spliceosome 14 5 extracellular region 14 29 Prp19 complex 17 6 cytoplasmic vesicle 14 mitochondrial matrix 18 21 0% 25% 50% 75% 100% Genes Up (p<0.01) Up (p>0.01) Down (p>0.01) Down (p<0.01) Direction