**Enriched Pathways** suppressed activated Mismatch repair -Arabidopsis thaliana (thale cress) Photosynthesis – Arabidopsis thaliana (thale cress) Ribosome – Arabidopsis thaliana (thale cress) Zeatin biosynthesis -Arabidopsis thaliana (thale cress) DNA replication -Arabidopsis thaliana (thale cress) Homologous recombination -Arabidopsis thaliana (thale cress) Porphyrin metabolism -Arabidopsis thaliana (thale p.adjust cress) Photosynthesis – antenna proteins - Arabidopsis 0.02 thaliana (thale cress) 0.03 Biosynthesis of cofactors -0.04 Arabidopsis thaliana (thale cress) Count Biosynthesis of amino acids - Arabidopsis thaliana (thale cress) Glucosinolate biosynthesis -Arabidopsis thaliana (thale cress) Sesquiterpenoid and triterpenoid biosynthesis -Arabidopsis thaliana (thale Flavonoid biosynthesis -Arabidopsis thaliana (thale 0 cress) Nitrogen metabolism -Arabidopsis thaliana (thale cress) ABC transporters -Arabidopsis thaliana (thale cress) Cutin, suberine and wax biosynthesis - Arabidopsis thaliana (thale cress) 2-Oxocarboxylic acid metabolism - Arabidopsis thaliana (thale cress)

0.4

0.6

0.8

GeneRatio

0.4

0.6

0.8