A. thaliana JA genes ERF2 Mitogen-activated protein kinase 4 Transcription factor MYB108 -Probable aminotransferase TAT3 Ethylene-responsive transcription factor 1B Transcription factor MYB14 -ORA59 At1g70000 Linoleate 9S-lipoxygenase 1 Transcription factor MYB13 log2fold Sulfotransferase.4 -Protein TIFY 11A Ribonuclease 1 **Transcription factor MYB51** 0 SYR1 extensin 4 -(E,E)-geranyllinalool synthase Transcription factor MYB15 NAC3 Type IV inositol polyphosphate 5-phosphatase 11 Protein STRICTOSIDINE SYNTHASE-LIKE 12 ABC transporter G family member 40 jasmonate-zim-domain protein 10 -TIFY10A -Protein ATAF2 s5 r5 **s**1 r1 Sample