

### Abstract:

Global patterns of gene expression were examined in *Alstroemeria* flowers after harvesting at the closed bud stage. A number of cDNA libraries were made and limited sequencing allowed some functional analysis to be performed. The design and statistical analysis of microarray experiments from these clones is described and showed good correlation between replicates and good signal detection limits. 77% of the genes represented on the array were above a 10% threshold of detection in all replicates in stages 0, 2 or 5. K-means clustering was used and several distinct patterns of expression were identified.