

Supplemental Material:

**Association of impaired reactive aldehyde metabolism with delayed graft function in human kidney transplantation**

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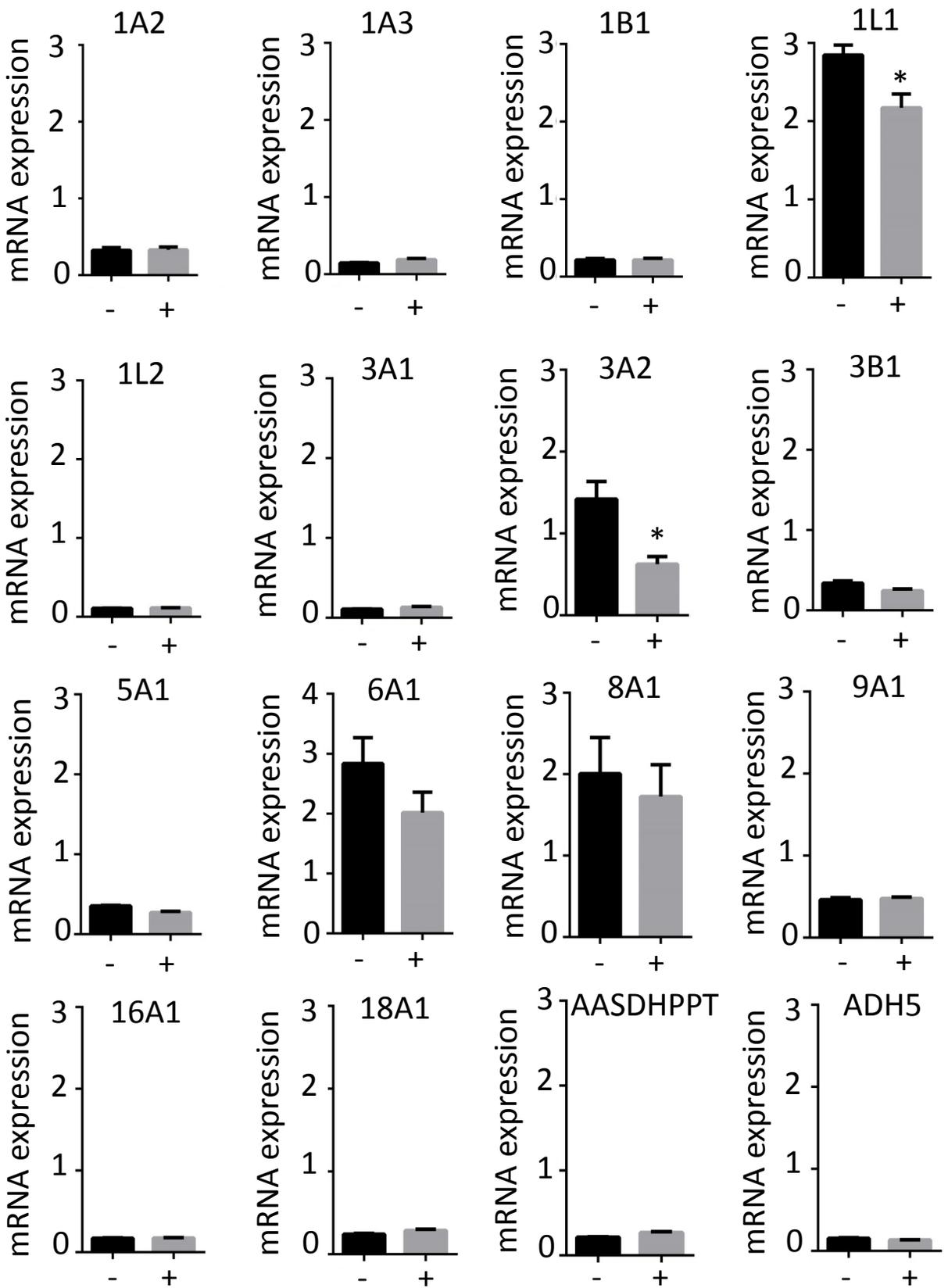
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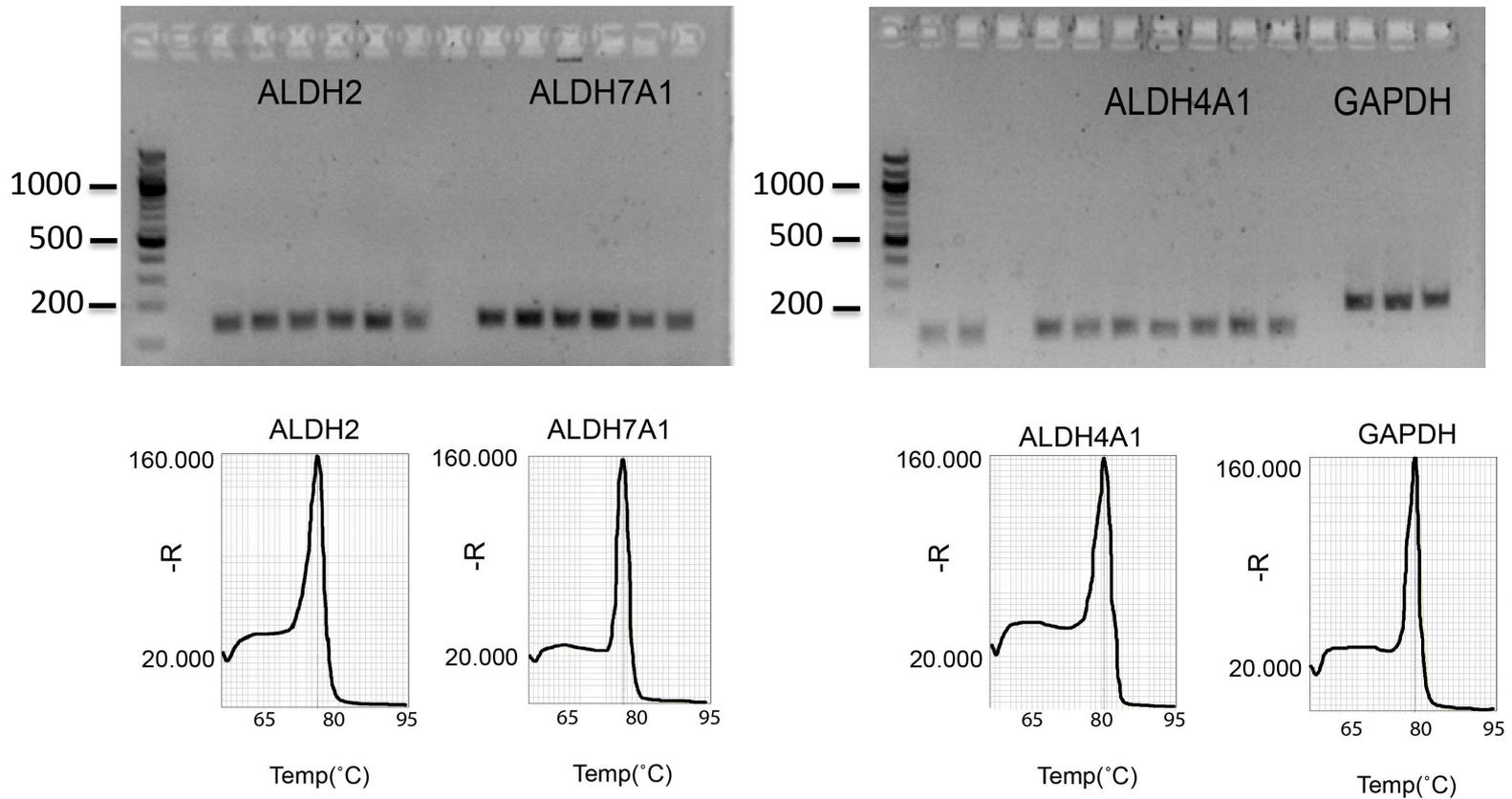
## **Supplemental Material:**

***Microarray studies:*** Microarray analysis was performed using Illumina whole-genome gene expression BeadChips. The gene array expression for the other ALDH family of enzymes on the microarray (besides ALDH2, ALDH4A1, and ALDH7A1 that were presented in the non-supplemental portion of the manuscript) are presented in Supplemental Figure 1.

***qPCR primer validation:*** Primer design and validation for ALDH2, ALDH4A1, ALDH7A1, and ALDH1A1 are presented in Supplemental Figure 2.



**Supplemental Figure 1. ALDH family of enzymes gene array results.** 16 additional ALDH enzyme family genes. Of the 16 genes, only ALDH1L1 and ALDH3A2 showed significant differences between the kidneys that did not develop delayed graft function (-) compared to those kidneys that developed delayed graft function (+). \*P<0.01.



**Supplemental Figure 2. qPCR studies.** Gene products run on DNA gel after qPCR for each primer set used. Further representative melt curve produced for each qPCR product.