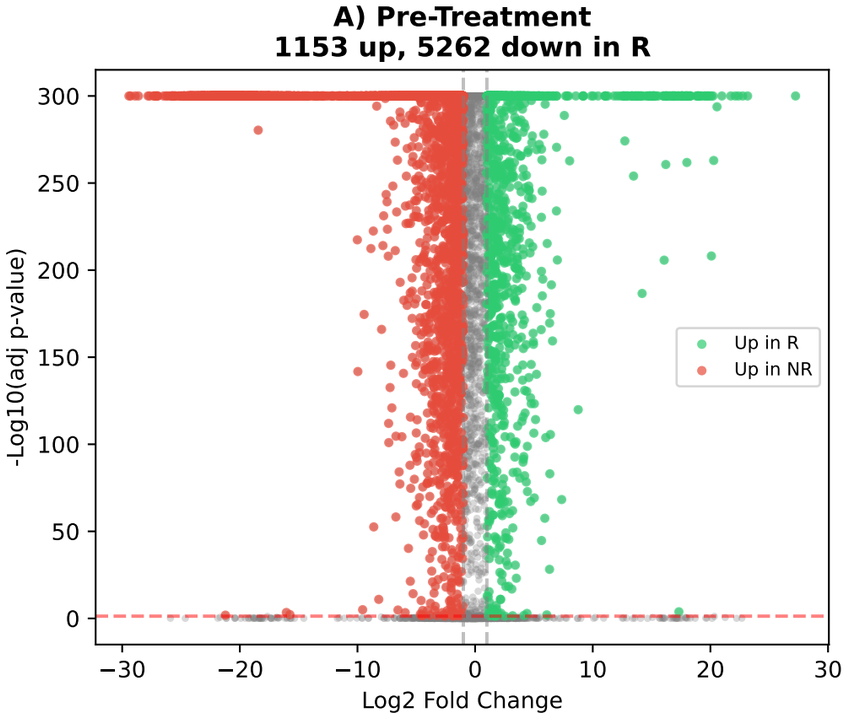
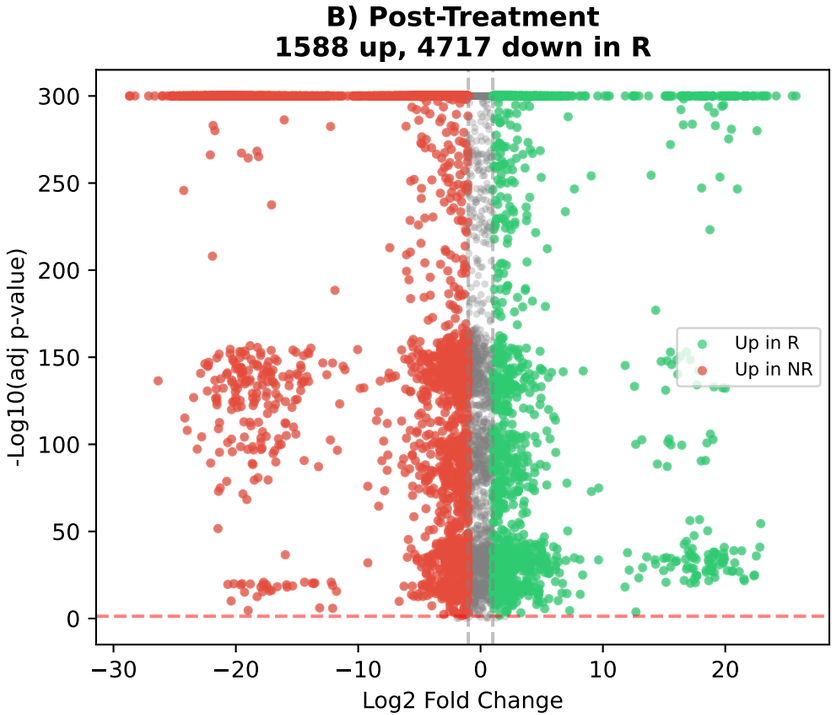
Figure 9: Differential Expression - Treatment Response Biomarkers



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TREATMENT RESPONSE DE ANALYSIS
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Pre-Treatment Findings:
• Genes upregulated in future responders
  may predict treatment success
• Key candidates: Check volcano for
  high FC + low p-value genes

Post-Treatment Findings:
• Differences after treatment may
  explain response mechanisms
• Compare with pre-treatment to
  identify treatment-induced changes

Novel Biomarker Candidates:
• CCZ1, MS4A2, NLRP7 (not in Polymath)
• Validated via Open Targets:
  - MS4A2: 208 disease associations
  - NLRP7: 132 associations (CRC, IBD)
  - CCZ1: 22 associations

Clinical Application:
These genes could form a predictive
signature for PDAC treatment response.
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