**A**

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Gene Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 mM NaCl</td>
<td>468</td>
</tr>
<tr>
<td>150 mM NaCl</td>
<td>66</td>
</tr>
<tr>
<td>300 mM NaCl</td>
<td>475</td>
</tr>
</tbody>
</table>

**B**

- Corresponding gene-term association positively reported
- Corresponding gene-term association not reported yet

**C**

Gene annotated to corresponding pathway:
- Recognition
- Respiratory burst
- MAPK
- Transcription factors
- Defense genes

**D**

- **Control** vs **Treatment**
- **ERD10** (AT1G20450)
- **RD22** (AT5G25610)
- **ATGSTF10**
- **ATCPK32**
- **CIPK3** (AT2G26980)
- **ERD14** (AT1G76180)

**E**

- **Gene** vs **log10 (1/P value)**
- Response to metal ion
- Response to abiotic stimulus
- Response to cadmium ion
- Response to inorganic substance
- RNA splicing
- mRNA metabolic process
- mRNA processing
- Response to osmotic stress
- RNA processing
- Response to salt stress