Figure 3

A

<table>
<thead>
<tr>
<th>Treatment</th>
<th>ATF6</th>
<th>IRE1</th>
<th>PERK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Veh</td>
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<tr>
<td>C2-Cer 5</td>
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<td>C2-Cer 10</td>
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<tr>
<td>TNF 5</td>
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<tr>
<td>Des + TNF 5</td>
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<tr>
<td>GW4869 + TNF 5</td>
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<tr>
<td>DH-C2-Cer</td>
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<tr>
<td>Tunicam.</td>
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</tbody>
</table>

B

- **ATF6**
  - Ratio Relative to GAPDH
  - Veh: 0.7 ± 0.1
  - C2-Cer 5: 1.4 ± 0.2
  - C2-Cer 10: 1.8 ± 0.3
  - TNF 5: 2.2 ± 0.4
  - Des + TNF 5: 2.5 ± 0.5
  - GW4869 + TNF 5: 2.8 ± 0.6
  - DH-C2-Cer: 3.0 ± 0.7
  - Tunicam: 3.2 ± 0.8

- **IRE1**
  - Ratio Relative to GAPDH
  - Veh: 0.5 ± 0.1
  - C2-Cer 5: 1.2 ± 0.2
  - C2-Cer 10: 1.5 ± 0.3
  - TNF 5: 1.8 ± 0.4
  - Des + TNF 5: 2.0 ± 0.5
  - GW4869 + TNF 5: 2.2 ± 0.6
  - DH-C2-Cer: 2.4 ± 0.7
  - Tunicam: 2.6 ± 0.8

- **PERK**
  - Ratio Relative to GAPDH
  - Veh: 0.6 ± 0.1
  - C2-Cer 5: 1.3 ± 0.2
  - C2-Cer 10: 1.6 ± 0.3
  - TNF 5: 1.9 ± 0.4
  - Des + TNF 5: 2.1 ± 0.5
  - GW4869 + TNF 5: 2.3 ± 0.6
  - DH-C2-Cer: 2.5 ± 0.7
  - Tunicam: 2.7 ± 0.8

***Significant difference from Veh***

*Significant difference from C2-Cer 5*