

Figure 1: A plot showing the distribution of the number of genes in a set. The x-axis is 'Gene List Index' (0 to 19051) and the y-axis is 'Number of genes: 19051 (in list), 89 (in gene set)'. A blue line shows the distribution, with a peak at 14602 and a zero crossing at 9002. A green shaded area represents the 'clus2' distribution, and a red shaded area represents the 'NON.clus2' distribution. Vertical dashed lines mark the zero crossing and the peak.

Heatmap visualization showing gene expression patterns across two clusters: **clus2** and **NON.clus2**. The y-axis lists genes, and the x-axis represents individual samples. The color scale ranges from blue (low expression) to red (high expression).

**Gene List (Y-axis):**

- Class1
- OR1P1
- PRKAG2
- CALML6
- OR131
- GUCY1A5
- CALML6
- OR5M11
- OR1E1
- OR2W2
- OR2A7
- OR2N2
- OR2A2
- OR6Z70
- OR6B2
- OR51E2
- OR1A5
- GNAL
- AORBA9
- OR13A1
- OR6X
- OR3A1
- OR56A6
- OR3A3
- OR6C2
- CALM1
- OR2AC2
- OR2A25
- OR2A11
- OR7A5
- ARRB2
- CAMK2B
- OR1E2
- CALM3
- ARV3
- OR9A4
- GUCY2D
- CALM2
- OR1E1
- OR51D1
- CALML3
- OR7D2
- GUCY1A5
- PRKACA
- PRKCI
- OR2B2
- OR214
- OR2C1
- CLCA2
- OR2A2
- OR2B6
- CLCA1
- OR2A4
- OR6G5
- CAMK2G
- OR7E8
- CNGA3
- OR52A
- PRKACB
- OR6B4
- PRKCI
- OR6C6
- OR8P1
- OR1A1
- OR5B1
- OR1C1
- OR2C2
- CNGB1
- OR5B1
- OR7C1
- OR5A1
- OR2C3
- OR1A3
- CAMK2D
- OR1B5
- OR5K2
- CNGA4
- CLCA4
- OR1C2
- OR7E24
- OR2L3
- OR5D1
- OR1B4
- OR1L8
- OR1D4
- OR2L2
- CAMK2A