

Heatmap showing gene expression levels (log2) for six genes across six samples (H_1, H_3, N_2, H_2, N_1, N_3). The color scale ranges from 5000 (blue) to 35000 (red). A dendrogram at the top shows sample clustering. A color key indicates batch (1: cyan, 2: olive, 3: green) and diet (H: light red, N: pink) for each sample.

Gene	H_1	H_3	N_2	H_2	N_1	N_3
ENSMUSG000000037071	~18000	~10000	~32000	~28000	~22000	~18000
ENSMUSG000000061780	~8000	~8000	~18000	~8000	~12000	~10000
ENSMUSG000000027559	~10000	~8000	~18000	~12000	~18000	~15000
ENSMUSG000000064351	~10000	~10000	~18000	~12000	~15000	~15000
ENSMUSG000000025153	~8000	~8000	~12000	~8000	~10000	~8000
ENSMUSG000000004207	~10000	~12000	~8000	~10000	~8000	~8000

diet

ENSMUSG00000037071

ENSMUSG00000061780

ENSMUSG00000027559

ENSMUSG00000064351

ENSMUSG00000025153

ENSMUSG00000004207

batch

1

diet

 H N

□ **N**

1-

$$\frac{I}{\omega}$$

ZIN

I-2

$$Z_1$$
$$\omega_z$$