$$gene^t = gene^{raw}/mean(gene^{raw})/2 \tag{1}$$

$$mean(gene^t_{B6}) + mean(gene^t_{SB}) = 1 \tag{2}$$

$$ttest(gene^t \sim strain) \tag{3}$$

$$dm = mean(gene^t_{B6}) - mean(gene^t_{SB}) \tag{4}$$