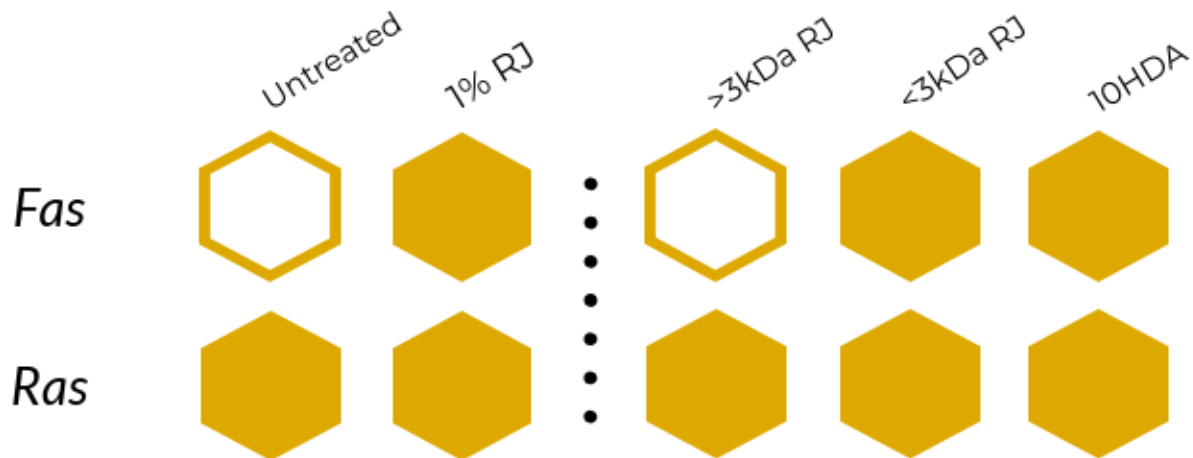


# Effect of 10HDA in Royal Jelly on histone deacetylation

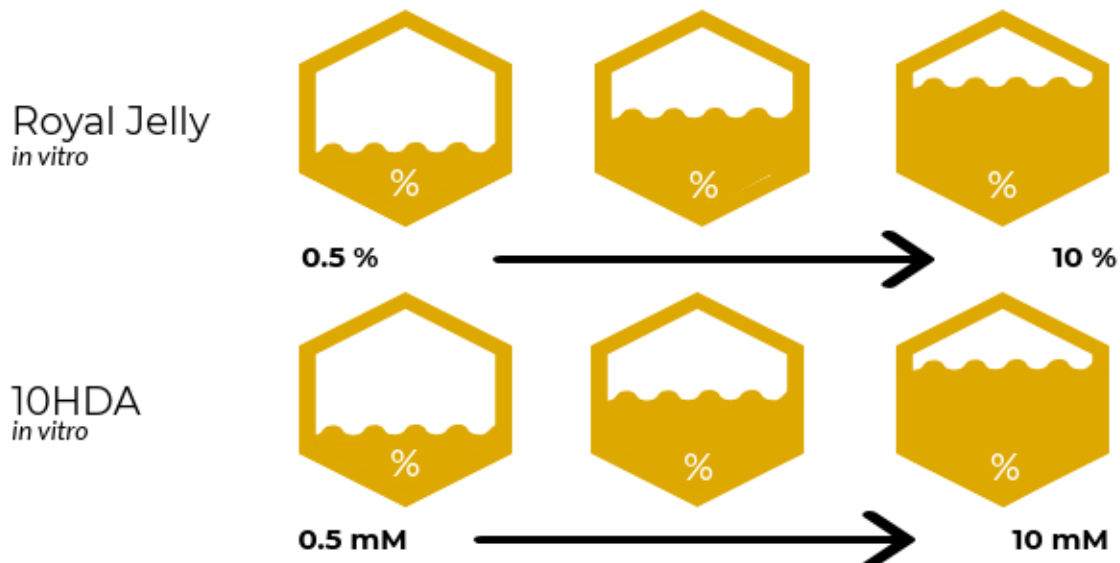


## Expression of genes in Fas<sup>-</sup> cells

(K-ras transformed NIH 3T3 Cell Reporter system)



Percentage of histone deacetylation inhibition when treated with...



Conclusion:

**HDACi activity of 10HDA is likely responsible for the epigenetic effects of Royal Jelly.**

article:

**Histone deacetylase inhibitor activity in royal jelly might facilitate caste switching in bees**

Spannhoff et al. EMBO reports February 2011