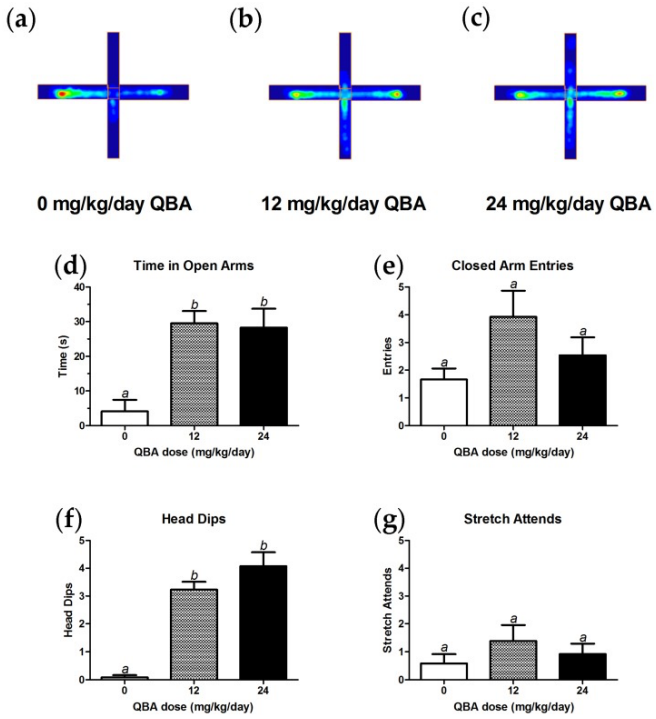
ELEVATED PLUS MAZE



QBA decreased anxiety in aged male rats. Qualitative, positional heatmaps show the average time spent in the open arms (vertical axis) and closed arms (horizontal axis) of the elevated plus maze for (**a**) controls, (**b**) animals given 12 mg/kg/day QBA and (**c**) animals given 24 mg/kg/day QBA (blue = low amount of time; yellow = intermediate; red = high amount of time). Quantitation and analysis of the plus-maze behaviors indicated that QBA increased the amount of time spent in the open arm (**d**), had no effect on the number of closed arm entries (**e**), increased the number of head dips (**f**), and did not affect stretch-attend behavior (**g**). Lack of shared superscripts indicates groups that differed significantly ($p < 0.05$) in Tukey's post hoc test. $N = 12–13$ for each experimental arm. Error bars represent the SEM.

Weiser MJ, **Grimshaw V,** Wynalda KM, Mohajeri MH, **Butt CM** (2017). Long-Term Administration of Queen Bee Acid (QBA) to Rodents Reduces Anxiety-like Behavior, promotes neuronal health and improves body composition. *Nutrients* Dec 23;10(1)