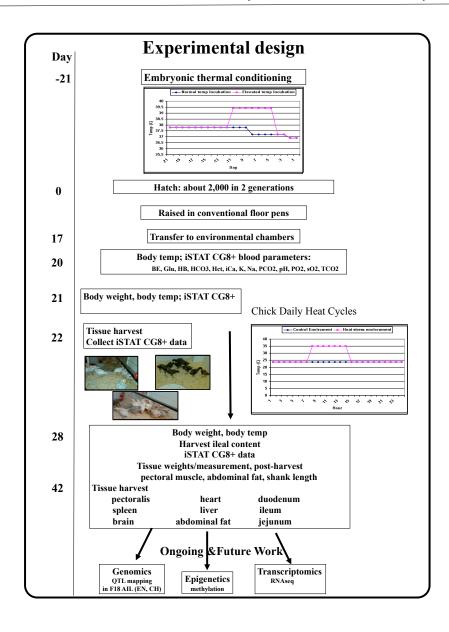
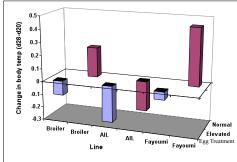
Adapting Chicken Production to Climate Change Through Breeding

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Interaction of egg treatment X line on change in body temperature (d28-d20). There is a significant interaction of genetic line with egg (embryo) thermal conditioning treatment on the differential in body temperature of birds before heat stress (day 20) and after chronic heat stress (day 28). Elevated temperature of egg incubation (blue bars) of both broilers and Fayoumis results in significantly decreased body temperatures after thermal stress, compared to chicks hatched from eggs that were incubated at normal temperature (purple bars), which show increases in chick body temperature after heat-stress. For the Advanced Intercoss Line (AIL), chicks hatched from normal and thermally conditioned eggs show a decrease in body temperature from day 20 to day 28, regardless of whether they were subjected to chronic heat stress as chicks.

