**Ms+Cc Early Heat Shock Experiment Data Columns README:**

**id**: the individual ID number for each caterpillar

**treatment**: parasitized or control (for now, only parasitized

**temp.avg:** temperature average for the rearing treatment (for now, only 25)

**temp.var:** temperature variation for the rearing treatment (for now, only 10)

**hs.temp:** heat shock temperature—daily high (for now, 40 or 42)

**hs.num:** number of days spent in heat shock chamber (for now: 1, 2, 3 or 4)

**date.died**: date of death during experiment

**date.hatch**: the date the caterpillar hatched

**date.ovp:** the date oviposition took place (should be the same as date.3)

**time.ovp**: the time oviposition took place

**num.ovp:** the number of ovipositions (aim is 1)

**suc.ovp:** to be filled out later—if wasps emerge or caterpillar is mongo = 1. If caterpillar wanders normally = 0

**date.3**: date of the molt to the 3rd instar

**mass.3**: mass at molt to 3rd instar

**date.in.hs:** the date put into the heat shock treatment (should be same as date.3 and date.ovp)

**time.in.hs:** the time put into the heat shock treatment

**time.hs:** the start time of the heat shock high temperature (13:00 for all treatments)

**tths.ovp:** the time to heat shock temperature from oviposition (time.hs – time.ovp)

**date.out.hs:** date removed from heat shock treatment

**time.out.hs:** time removed from heat shock treatment

**date.4:** date of the molt to 4th instar

**mass.4:** mass at the molt to the 4th instar

**date.5**: date of the molt to 5th instar

**mass.5:** mass at the molt to 5th instar

**date.em:** date of wasp emergence

**instar.em:** the instar of the host at which the wasps emerged

**bled.em:** whether or not the host bled excessively at wasp emergence (0 if no, 1 if yes)

**mass.48em:** mass of host when cocoons are removed (48 hours after wasp emergence)

**num.em:** number of wasp larvae emerged (total)

**num.coc:** number of wasp larvae that emerged and successfully spun cocoons

**num.fail.spin:** number of wasp larvae that emerged but failed to spin cocoons

**date.ecl:** date of adult wasp eclosion

**num.ecl:** number of adult wasps that successfully eclosed

**num.unem:** number of wasp larvae that did not emerge from host (determined by dissection)

**load:** total number of wasp larvae that developed within the host (num.em + num.unem)

**date.end:** if no wasp emergence, the date 2 weeks from the start of the 5th instar when mongo/longlived will be frozen

**mass.end:** the caterpillar’s mass 2 weeks from molt to 5th

**mongo.age**: if the caterpillar lived 2 weeks from molt to 5th without wasp emergence, mark 1. All others mark 0

**mongo.mass:** if caterpillar is >14g at 2 weeks, considered a mongo in terms of mass (1). If <14g, this column = 0

**diss.wasp:** were wasp larvae present when caterpillar was dissected? (yes = 1, no = 0)

**diss.wasp.stage:** if there were wasp larvae upon dissection, what stage were the majority of them in (determined going off of Crocket et al.)

**mel:** were melanized plaques present? Assumed to be melanized wasp eggs/larvae (yes = 1, no = 0)

**gen.notes:** notes about the caterpillar during rearing

**diss.notes:** notes about the caterpillar during dissection (anything interesting or unusual that you notice)