

Figure S1. A randomised sampling map was computer-generated before the investigation to account for batches, location (garden/plot) and time taken

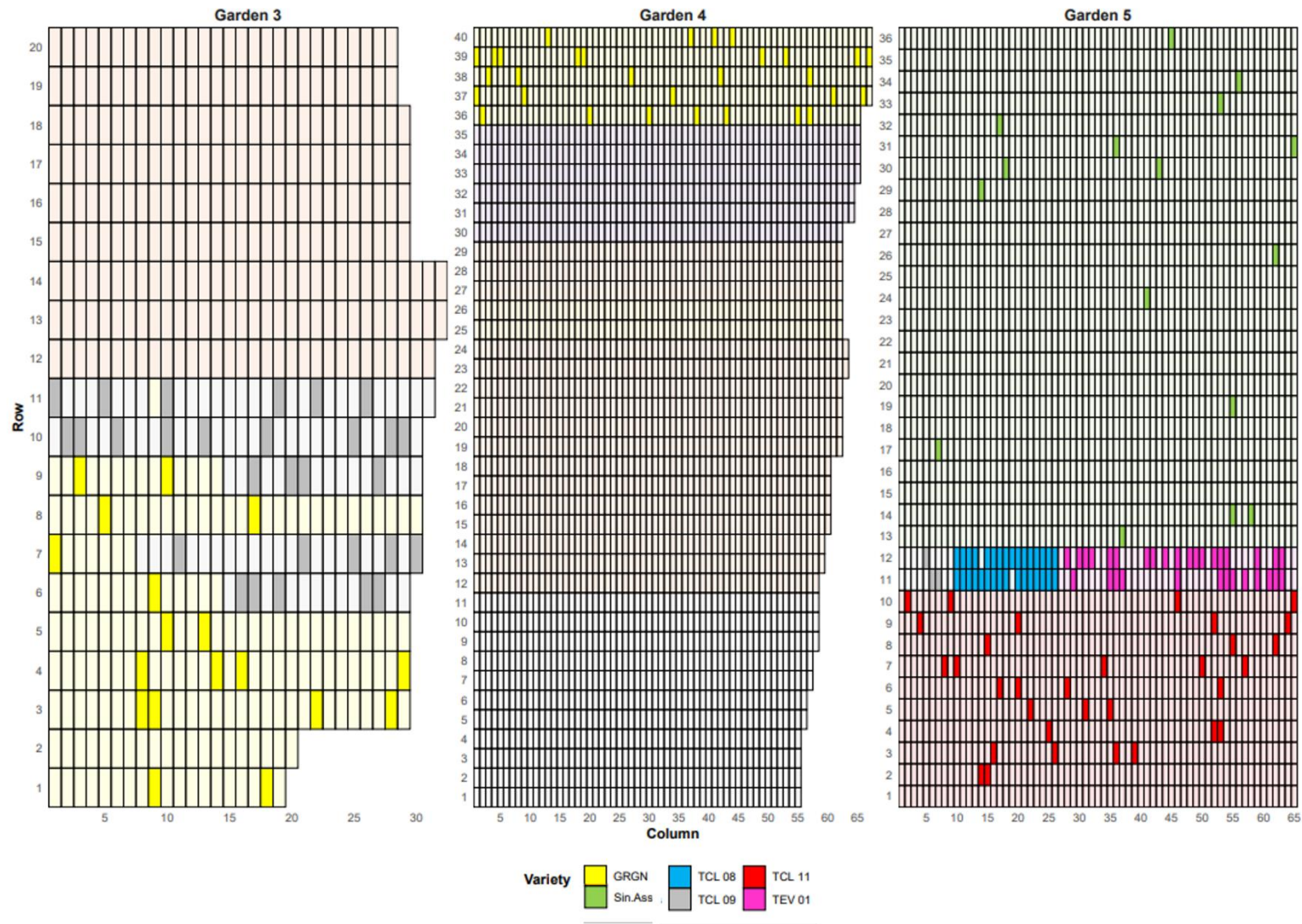


Figure S2 Pre-Treatment parameters

```
## pre-treatment
## QC
##  occupancyFilter
##    cls = class
##    QCidx = QC
##    occupancy = 2/3
##  impute
##    cls = class
##    QCidx = QC
##    occupancy = 2/3
##    parallel = variables
##    seed = 1234
##  RSDfilter
##    cls = class
##    QCidx = QC
##    RSDthresh = 50
##  removeQC
##    cls = class
##    QCidx = QC
##  occupancyFilter
##    maximum
##    cls = class
##    occupancy = 2/3
##  impute
##    class
##    cls = class
##    occupancy = 2/3
##    seed = 1234
##  transform
##    TICnorm
```

```
##      refactor = TRUE
```