

The American Dahlia Society



ADS Genome Project Update 10/31/2022

The Dahlia Genome Project is moving forward quickly on all fronts.

Our current progress is that Zach has isolated high molecular weight DNA from Edna C clones growing in our greenhouse, and that DNA is now in the PacBio HiFi genome sequencing queue at the HudsonAlpha Genome Sequencing Center. We are sequencing 10 flow cells worth of PacBio HiFi, which should produce nearly 300 Gigabases of high quality DNA sequence.

We also have an additional data type in the sequencing queue, Dovetail Omni-C data, which will allow us to pull the Dahlia genome into full length chromosomes.

We are currently in a “waiting” phase while this data gets sequenced, but all QC metrics currently look good and we do not anticipate major problems.