**Protocol Name:** Resuspending gblocks and primers

Category:  Naringenin Operon Biosynthesis

Date: 10/10/18

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Source(s):  Following IDT’s instructions for resuspension

Time Required:  Approx. 30 minutes

**Additional Notes:**

**Materials:**

* Gblocks
* Primers
* Sterile H2O

**Procedure for gblocks:**

1. Before opening the tube, spin it down in a microcentrifuge for 3–5 seconds to ensure the DNA is in the bottom of the tube. The pellet can become statically charged and, without this step, can either fly out of the tube or remain in the cap, resulting in loss of yield.
2. Add molecular grade water, or a buffer such as IDTE, to reach a final concentration of 10 ng/µL. Our experiments have shown that storage concentrations <1 ng/µL result in loss of material due to adherence to the plastic tube in the absence of a carrier such as tRNA.
3. Vortex briefly.
4. Incubate at approximately 50°C for 15–20 min. Heating the tube will ensure the solvent comes in contact with the tiny pellet, even if it is stuck to the side of the tube. Thus, this step will increase the likelihood that the entire pellet will be resuspended.
5. Briefly vortex and centrifuge.
6. Verify the final concentration.

**Procedure for primers:**

1. Using molecular grade water – x10 to the nmole listed on the sheet for the oligo.
2. So for a 100 µM stock – x10 in µl.
3. Vortex, Heat at 50̊C for 15 minutes, Vortex and Centrifuge.