



**Microarray Core
Genome Sequencing Center
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Instructions for DNA submission for Infinium II Genotyping

The Genome Sequencing Center Genotyping Core will provide you with the following:

- Enough bar-coded stickers to label all your sample plates.
- A Microsoft Excel Spread sheet to enter barcodes that are on your PCR sample plates.

Dissolve your samples in TE buffer (10 mM Tris, 1mM EDTA) and normalize all sample concentrations to 50 ng/ul. DNA concentration must be no lower than 50ng/ul. The total volume should be at least 30 μ L for every sample studied.

1. Please quantify your samples. We recommend using PicoGreen DNA Quantification. We will not re-quantify your DNA. You are responsible for providing DNA at the appropriate concentration.
2. Please transfer the DNAs into a bar-coded PCR plate. We reference your study DNAs by the plate number and well position. This allows for an interface with our robotic processes and retains sample anonymity.
3. Please seal and freeze the DNA plates with foil tape. It is the investigator's responsibility to make certain the plates are sealed properly to avoid evaporation.
4. Please prepare electronic DNA manifest and send the completed file electronically to Eric Tycksen (etycksen@watson.wustl.edu). It is very important to fill out that manifest completely and accurately. We cannot accept DNA from you until we have received and approved your manifest.
5. If sending human RNA from patient, you must include a copy of the IRB.