

Sequenom Genotyping Sample Submission

1. **SNP submission:** “rs” numbers should in single column in excel or text format and submitted electronically to the facility.
2. Quality: Genomic DNA must be highly pure. The ratio of spectrophotometer readings at 260 nm and 280 nm wavelengths should be between 1.7 and 2.0.
3. **Sample concentrations must be 10 ng/ul in water.**
4. The whole genome amplified DNA samples must be purified and quantified prior to submitting for the genotyping assays. Due to high sensitivity of the MassARRAY salt can interfere with the calls specially when there are high multiplexed assays.
5. Genotyping requires 10 ng of DNA per reaction. 20-30 ul of DNA template should be provided to ensure complete sample transfer to amplification plate, making replicates and/or in the event a plate needs to be repeated. Remaining sample can be retrieved up to 90 days after the data has been posted.
6. Genomic DNA can be submitted in either 1.5 ml microfuge tubes or 96-well red Eppendorf twin tec **skirted** plates (Cat#951020486). If submitting in a 96-well plate, PLEASE load samples in columns (vertically) and leave 2 wells blank in each fourth plate. This removes complexity involved in assembling the amplification plate. Please provide an electronic file with sample identities and plate coordinates. Example of the DNA samples file format:

Plate	Well	Sample ID
1	A01	sample-1
1	B01	sample-2
1	C01	sample-3
1	D01	sample-4
1	E01	sample-5
1	F01	sample-6
1	G01	sample-7
1	H01	sample-8
1	A02	sample-9
1	B02	sample-10
1	C02	sample-11
1	D02	sample-12
1	E02	sample-13
1	F02	sample-14
1	G02	sample-15
1	H02	sample-16

7. Sample naming: Sample names should be provided for each sample. If parent/child, gender, or replicate information is known, it can be included with the sample names.
8. If you have questions, please contact:

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