# KSU GBS Sequencing Submission Form

**Sample submission date:** _____

**Client's name:** _____

**Contact phone:** _____

**Contact institution:** _____

**Contact email:** _____

**Billing information:** _____

_____

_____

| Organism[1] | Number of 96-Well Plates[2] | Preparation Method[3] | Average Concentration per Well (ng/ul)[4] | Average Volume per Well (ul)[5] | Notes[6] |
|---|---|---|---|---|---|
| *Example*: Hexaploid Wheat (*Triticum aestivum* L.) | 2 | Qiagen, BioSprint 96 DNA Plant Kit | 100 ng/ul | 80 ul | Checked on gel, shows low amount of fragmentation. Need by October 1st. |
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1. Indicate the source organism for the DNA. Provide common name and latin binomial.
2. Either 96 (1 plate) or 192 (2 plates) barcodes are commonly used per sequencing run.
3. Indicate DNA extraction method (*i.e.* Kit name, SDS, or CTAB extraction). If submitting seeds or leaf tissue, indicate so here. Do not send lyophilized DNA. Send frozen DNA, tightly sealed.
4. We require at least 50 µL of at least 25 ng/µL. Library concentrations below 25 ng/µL or having excess fragmentation will be rejected. DNA should be suspended in sterile water.
5. DNA quality and quantity must be checked on an agarose gel and compared with commercial DNA concentration standards prior to submission. NanoDrop, spectrometry, and fluorometer measurements can not detect DNA fragmentation. Email a picture of the agarose gel to gbai@ksu.edu.
6. For best results, please check that your DNA will digest with *Pst* I and *Msp* I.
7. An Excel file of the sample locations within the plates must be emailed to Dr. Amy Bernardo, **dnaseq@k-state.edu**.
8. Notes, special instructions, and date by which you need your data.

Ship samples to **Dr. Amy Bernardo at 4008 Throckmorton Hall, Manhattan KS 66506**

Contact Dr. Guihua Bai at 785-532-1124 or gbai@ksu.edu for current pricing.

**Do not write below this line**

Preliminary invoice for library construction: # of plates _____ x current cost ____= _____
Preliminary invoice for Proton Sequencing: # of Proton runs _____ x current cost ____= _____