# USWBSI Wheat Transformation Submission Form

Please, complete this form and return it with your plasmid.

Requestor’s Name: Date:

Contact info:

USW&BSI Grant # Do you have an IBC #? yes IBC#:

no pending approval date:

Plasmid name:

Concentration of plasmid: Amount of plasmid:

Desired host plant: Desired cultivar:

Please, describe the gene and phenotype below. Is it lethal or a knockout? What is the expected phenotype? Etc.

Please, also include the following when submitting a plasmid:

1. The sequence of the plasmid (will remain confidential).
2. A map of the plasmid. Include the promoters, any introns, restriction sites, and the terminators.
3. A way to test for the gene (i.e. PCR confirmation). Include the primer names and sequences, and the PCR program that will be used to test for the gene.

Important considerations when making the plasmid:

1. The plasmid needs to be in ddH2O, TE buffer, or 10mM Tris pH 7.5-8.0.
2. The concentration of the plasmid should be between 0.5 and 1.0 μg/μl.
3. The total volume of the plasmid should be between 100-200μl.
4. When making the plasmid, use aseptic technique. The plasmid needs to be sterile when it is delivered to us.

Additional Comments:

1. It is highly recommended that the plasmid sequence should be confirmed prior to shippment.
2. Shippment of transgenic seeds requires a USDA/APHIS movement permit. valid APHIS permit for the movement of the transgenic wheat. Researchers will need to have an USDA eAuthentication account with Level 2 access (<https://www.aphis.usda.gov/aphis/resources/permits/ct_learn_epermits>). Information on these permits can be found at: (<https://www.aphis.usda.gov/wps/portal/aphis/ourfocus/biotechnology>).
3. Once you are finished analyzing the data, a list of the results should be given to us. This data will help us improve our transformation protocols.
4. All information provided will remain confidential.