

U.S. DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE
BIOTECHNOLOGY REGULATORY SERVICES
BRS NOTIFICATION - INTRODUCTION OF GENETICALLY ENGINEERED PLANTS

1. NAME, ADDRESS, TELEPHONE, AND EMAIL OF APPLICANT Name: Pamela Ronald Position: Organization: University of California/Davis Organization Unique ID: Address: 1 Shields Avenue UC Davis, Department of Plant Pathology Davis, CA 95616 County/Province: Township/Island: Day Telephone: 530-752-1654 FAX: Alternate: Email 1: pcronald@ucdavis.edu Email 2:	2. INTRODUCTION TYPE <input type="checkbox"/> Importation <input checked="" type="checkbox"/> Interstate Movement <input type="checkbox"/> Interstate Movement and Release <input type="checkbox"/> Release <hr/> 3. APPLICANT REFERENCE NUMBER
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4. CONFIDENTIAL BUSINESS INFORMATION VERIFICATION (CBI)Does this application contain CBI? Yes No**CBI Justification:**

N/A

5. REGULATED ARTICLE

Scientific Name: Oryza sativa
Common Name: Rice
Cultivar and/or Breeding Line: Kitaake

6. PHENOTYPIC DESIGNATION

1) Phenotypic Designation Name: Ubi-Xa21

Identifying Line(s): 7A-8

Construct(s): Ubi-Xa21C1300
Mode of Transformation: Agrobacterium tumefaciens, disarmed

Phenotype(s)

BR - Xanthomonas oryzae resistant
MG - Selectable marker

Genotype(s)

Gene(s) of Interest
Promoter: Ubiquitin **from** Zea mays - constitutive promoter

Gene: Rice Xa21 **from** Oryza sativa, Homo sapiens - Xa21 genomic DNA with myc tag at N terminal. Myc tag is a 9E10 antibody epitope (EQKLISEEDL) derives from a protein sequence in the human proto-oncogen p62c-myc.

Terminator: Nos 3 **from** Agrobacterium tumefaciens - Nos 3: Terminator from Nopaline synthase gene

Selectable Marker
Promoter: 35S **from** Cauliflower mosaic caulimovirus - 35S constitutive promoter

Gene: hygromycin B phosphotransferase gene **from** HPT II from Streptomyces hygrosopicus - hygromycin B phosphotransferase gene

Terminator: 35S terminator **from** 35S from Cauliflower mosaic caulimovirus - 35S terminator

7. INTRODUCTION

Point of Origin

<u>Location Name & Description</u>	<u>Location Address</u>	<u>Contact(s)</u>
1) Ronald lab - Pamela Ronald lab at UC Davis - dept of Plant Pathology 225 Robbins Hall One Shields Avenue UC Davis	Yolo Davis, California 95616 County: Yolo	

Destination

<u>Location Name & Description</u>	<u>Location Address</u>	<u>Contact(s)</u>
1) Quan Zhang at Brutnell Lab at the Donald Danforth Plant Science Center	975 N. Warson Rd Brutnell Lab 2096 St. Louis, Missouri 63132 County: St. Louis Proposed Start Date: 9/1/2016 Proposed End Date: 8/31/2017 Quantity: 500 Individual Seeds	

8. ADDITIONAL INFORMATION

I, *Pamela Ronald*, certify that the regulated article will be introduced in accordance with the eligibility criteria and the performance standards set forth in 7 CFR 340.3. The above information is true to the best of our knowledge.

I acknowledge this is not an application to move or import select agents, the genes expressing select agents, or the toxins made by the select agents, as described in 9 CFR 121.

If there are any changes to the information disclosed in this application, I will contact APHIS.

9. SIGNATURE OF RESPONSIBLE PERSON

Pamela Ronald

10. DATE

August 22, 2016