

Benzobicyclon efficacy is affected by plant growth stage, *HPPD Inhibitor Sensitive 1 (HIS1)* expression and zygosity in weedy rice (*Oryza sativa*)

Supplemental Table T1. *HIS1* allele frequency results of weedy rice samples re-genotyped using a 28 bp deletion primers as described in Maeda et al. 2019. Highlighting correspond to re-genotyped accessions.

Accession # in Brabham et al. 2020 ^a	Re-genotyping ^b	Total Plants Screened	Plant Genotype		
			<i>HIS/HIS1</i>	<i>HET</i>	<i>his1/his1</i>
2	No	15	15	0	0
5	No	18	14	4	0
7	No	17	9	4	4
8	No	15	15	0	0
9	Yes	19	19	0	0
10	Yes	19	19	0	0
12	Yes	23	23	0	0
18	No	23	0	8	15
20	No	21	0	1	20
24	Yes	21	21	0	0
25	Yes	24	24	0	0
26	No	17	14	3	0
32	No	19	13	1	5
33	No	20	18	2	0
36	No	15	12	3	0
LaKast	N/A	N/A	<i>x</i>		
PM	N/A	N/A			<i>x</i>
RONDO	N/A	N/A			<i>x</i>
XL745 F2	N/A	N/A	<i>x</i>		
PM × RJ	N/A	N/A		<i>x</i>	

^aPM, Purple Marker; RJ, Roy J.

^bN/A, Not Applicable.



1

2 **Supplemental Figure S1.** Representative photograph of the five *japonica* varieties included in
3 this study. From left to right: Diamond, XL753, Roy J, CLXL745, and LaKast. Plants were
4 initially grown under greenhouse conditions, and placed outdoors once a stand was established.

5 Please refer to *Spatial–Temporal HIS1 Expression and Growth Stage Sensitivity to*

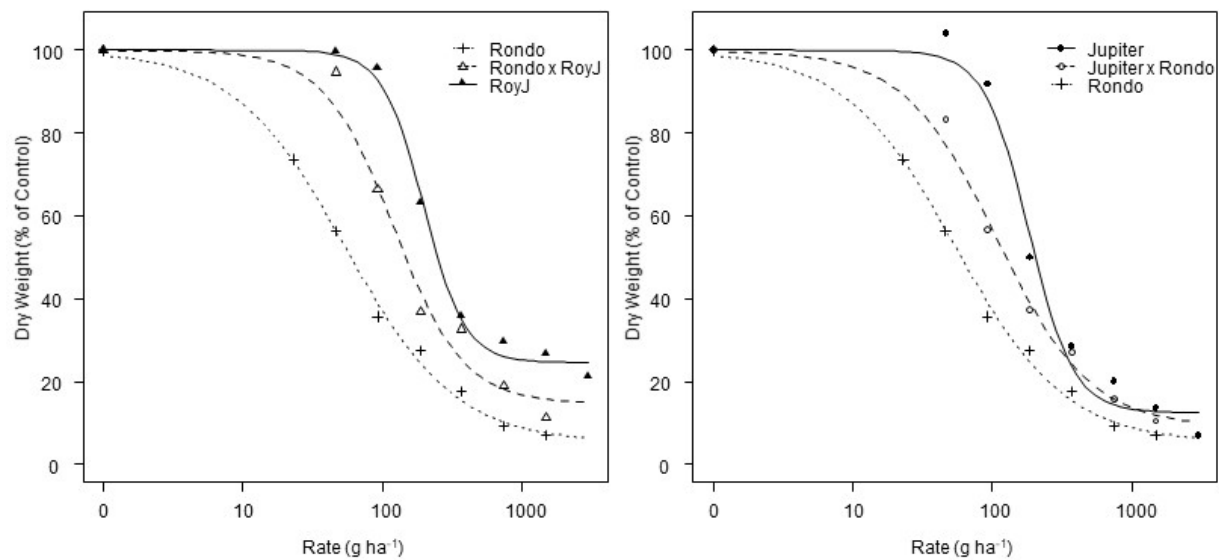
6 *Benzobicyclon* for further details.

7

8

9

10



11

12 **Supplemental Figure S2.** Dose-response curves of parent rice cultivars and reciprocally crossed
 13 progenies treated with benzobicyclon. Rice cultivars included Rondo (*indica* cultivar, *his1/his1*),
 14 Roy J and Jupiter (*japonica* cultivars, *HIS1/HIS1*) along with the F1 generation: Roy J × Rondo
 15 and Jupiter × Rondo.