

## Appendix A

### Requests made to us for RFLP markers located close to *Yd<sub>2</sub>*

#### 1. Pierre Devaux

Department of Crop and Soil Sciences, Washington State University, Pullman,  
Washington, USA

**Proposed use:** the evaluation of doubled-haploid barley lines for the presence of *Yd<sub>2</sub>*

#### 2. Barbara Read and Ros Prangell

NSW Department of Agriculture, Agricultural Research Institute, Wagga Wagga, New  
South Wales, AUSTRALIA

**Use:** RFLP markers have been used to evaluate breeding lines for the presence of *Yd<sub>2</sub>*

#### 3. Mark Sorrells

Department of Plant Breeding and Biometry, Cornell University, Ithaca, New York,  
USA

**Proposed use:** to use the RFLP markers to assist in the selection of *Yd<sub>2</sub>* in the Cornell  
University barley breeding program

#### 4. Evans Lagudah

WA Department of Agriculture, AUSTRALIA

**Proposed use:** the evaluation of doubled haploid barley populations for the presence of  
*Yd<sub>2</sub>*

#### 5. Peter Jack and Viv Taylor

PBI-Cambridge, Trumpington, Cambridge, UNITED KINGDOM

**Proposed use:** the evaluation of UK barleys and advanced breeding lines for the  
presence of *Yd<sub>2</sub>*

#### 6. Phil Bregitzer<sup>1</sup> and Peggy Lemaux<sup>2</sup>

<sup>1</sup>US Department of Agriculture, Aberdeen, Indiana, USA

<sup>2</sup>Department of Plant Biology, University of California, Berkeley, California  
USA

**Proposed use:** to assist in combining the *Yd<sub>2</sub>* gene with artificial resistance genes made  
from portions of the BYDV genome. Lines containing *Yd<sub>2</sub>* and the artificial resistance  
genes will be used to determine if these resistance genes have an additive effect.

## Appendix A (continued)

### 7. Andy Barr

Waite Agricultural Research Institute, University of Adelaide, Glen Osmond, South Australia, AUSTRALIA

**Use:** the RFLP markers have been used to test for the presence of  $Yd_2$  in backcross-derived breeding lines

### 8. Calvin Qualset

University of California, Davis, California, USA

**Proposed use:** to use the RFLP markers to assist in the selection of  $Yd_2$  in the barley breeding program at the University of California

## Appendix B

### Breeders' identification numbers of the 36 BYDV resistant rice lines analysed in Chapter 7

(our reference numbers are listed to the left of the breeders' identification number)

#### **Cripto × Naville** (cross Ib 826)

7	Ib 826-1174-1
8	Ib 826-1136-3-8
9	Ib 826-209-5-1
10	Ib 826-1171-1
11	Ib 826-209-5-2
12	Ib 826-254-5
13	Ib 826-294-1-1
14	Ib 826-341-6-1-10
15	Ib 826-708-1-6
16	Ib 826-1032-1
17	Ib 826-81-6-2
18	Ib 826-14-1-2
19	Ib 826-164-4
20	Ib 826-14-1-3
21	Ib 826-114-7
22	Ib 826-502-9
23	Ib 826-483-1-5

#### **Radon × Veneria** (cross Ib 837)

24	Ib 837-548-1
25	Ib 837-925-3
26	Ib 837-243-3-2
27	Ib 837-726-1
28	Ib 837-810-1
29	Ib 837-726-1
30	Ib 837-810-1
31	Ib 837-726-2

#### **(Cripto × Veneria) × Cripto** (cross Bc<sub>1</sub> 116)

36	Bc <sub>1</sub> 116-1-66-7-21
37	Bc <sub>1</sub> 116-1-66-7-24
38	Bc <sub>1</sub> 116-1-66-7-20
39	Bc <sub>1</sub> 116-1-66-7-25
40	Bc <sub>1</sub> 116-1-66-7-29
41	Bc <sub>1</sub> 116-1-66-7-22
42	Bc <sub>1</sub> 116-1-66-7-16
43	Bc <sub>1</sub> 116-1-66-7-18
44	Bc <sub>1</sub> 116-1-66-7-10
45	Bc <sub>1</sub> 116-1-66-7-15
46	Bc <sub>1</sub> 116-1-66-7-17

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