

Table S2. The survey of all polymorphic markers used for *R* genes mapping on short arms of chromosomes 1H and 7H for powdery mildew resistance in accession PI466461 of the species *Hordeum vulgare* subsp. *spontaneum*

Chromosome	Marker	Position (cM) ^A	Chromosome	Marker	Position (cM) ^A
1H	<i>UMB503</i> ^D	2.0	7H	<i>Bmag0767</i> ^B	5.0
	<i>K06257</i> ^E	13.0		<i>Bmag0021</i> ^B	6.8
	<i>Bmag0872</i> ^B	49.8		<i>GBM1060</i> ^C	8.8
	<i>Bmag034</i> ^B	58.6		<i>GBM1126</i> ^C	8.8
	<i>GBM1311</i> ^C	58.7		<i>Bmag0206</i> ^B	15.3
	<i>EBmac659</i> ^B	61.8		<i>EBmag0794</i> ^B	15.8
	<i>Bmac0090</i> ^B	63.7		<i>MWG807</i> ^G	21.8 ^G
	<i>EBmac050</i> ^B	64.8		<i>GBM1326</i> ^C	31.2
	<i>Bmac0063</i> ^B	72.5		<i>cMWG703</i> ^G	33.4 ^G
	<i>Bmac0032</i> ^B	73.7			
	<i>Bmac0154</i> ^B	87.8			
	<i>RGH1a11a</i> ^F	–			

^Amap position as reported by VARSHNEY *et al.* (2007) Theoretical and Applied Genetics, **114**, 1091–1103; ^BRAMSAY *et al.* (2000) Genetics, **156**, 1997–2005; ^CIPK Gatersleben; ^DBEAUBIEN and SMITH (2006) Barley Genetics Newsletter, **36**, 30–43; ^EROSSI *et al.* (2006) Molecular Breeding, **18**, 355–366; ^FŘEPKOVÁ *et al.* (2009) Cereal Research Communications, **37**, 93–99; ^Gthe Barley Consensus Map (<http://www.graingenes.org/>); – not determined