

Bivariate analysis of barley scald resistance with relative maturity reveals a new major QTL on chromosome 3H

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Supplementary Table S1 Positions of marker sequences on 3H pseudomolecule (100 - 600 Mb) pseudomolecules Morex V 2.0 2019 and pseudomolecules Morex 2017

QTL name	Closest markers	IPK pseudogenes 2019	IPK pseudogenes 2017
QTL-WAIYerong-3H	Bmag0006	120.3- 178.7	122.0 - 198.0
qSUK7_3	1_1342-2_1129	181.5 - 467.4	201.2 - 508.8
<i>Rrs1</i> (Rh4 type)	11_0823	448.4	491.9
Rrs1BC240	MWG680	455.3	499.4
QTLIA3H	YLM – MWG680	455.3	499.4
qC147_3	GBM1094- Bmag0112	418.1 - 556.6	458.0
QTLD-3H-2015	bPb-7872	503.4	503.4
<i>Rrs4</i>	HVM36b–HVM60	523	576.6

Supplementary Table S2 Origin of isolates of scald from the Wagga Wagga Agricultural Institute fungal isolate collection used for screening

Isolate	Host Cultivar	Location	Collection date
WAI453	Franklin	Wagga Wagga, NSW	2013
WAI1245	Franklin	Wagga Wagga, NSW	2013
WAI2439	Unknown	Downside, NSW	2015
WAI2463	Buloke	Bogan Gate, NSW	2015
WAI2464	Buloke	Bogan Gate, NSW	2015
WAI2466	Buloke	Bogan Gate, NSW	2015
WAI2470	Unknown	Mirrool, NSW	2015
WAI2471	Unknown	Mirrool, NSW	2015
WAI2473	Unknown	Mirrool, NSW	2015
WAI2636	Buloke	Bogan Gate, NSW	2015
WAI2840	Unknown	Finley, NSW	2016