

Title: ***Rvi4* and *Rvi15* are the same apple scab resistance genes**
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Suppl. Table 4 Primers of SSR markers used for MAS for the genes *Rvi4* and *Rvi15*

Marker	Primer name	F/R	Sequence 5'→3'
Hi22d06 ¹	Hi22d06_F	F	CCCGAGCTCTACCTCAA
	Hi22d06_R	R	CATTATGTTCCGGTTTTTG
CH02f06 ²	CH02f06_F	F	CCCTCTTCAGACCTGCATATG
	CH02f06_R	R	ACTGTTTCCAAGCGATCAGG
CH02c02a ²	CH02c02a_F	F	CTTCAAGTTCAGCATCAAGACAA
	CH02c02a_R	R	TAGGGCACACTTGCTGGTC

¹ Silfverberg-Dilworth et al. 2006

² Liebhard et al. 2002

Suppl. Table 5 Primers of the KASP assays used for MAS for the genes *Rvi4* and *Rvi15*

Marker	Primer_AlleleX	Primer_AlleleY	Primer_Common	AlleleX	AlleleY
FBsnRvi4.1_K146	AATGTTACACCTGCATCTAAACACTC	CAATGTTACACCTGCATCTAAACACTA	GGAATGTTGACTGGATTAAGTTTATGGATT	G	T
21k14t7_Rvi15_R153	GGTAGTGGTGCAATGTGCTCTCA	GTAGTGGTGCAATGTGCTCTCG	CATCAACCTCCGCAATGGCATCTAT	A	G
CHsnRvi15.1_S188	GAACAGATTCATAAAGACTGATCAACC	GAACAGATTCATAAAGACTGATCAACG	GTGCATGTGATAAGATTTAAGTTGTGAGAA	C	G