

Supplementary Table 1. Onion accessions containing the *DFR-A^{R4}* alleles. These accessions were selected from 155 accessions analyzed in the previous study (Song *et al.* 2014).

Institute ^{z)}	Accession number	Origin	Color	<i>DFR-A</i> allele
ARS-GRIN	PI168961	Turkey	Red	<i>R4/TRN</i>
ARS-GRIN	PI236025	Egypt	White	<i>R4/R4</i>
ARS-GRIN	PI271309	India	Red	<i>R4/R4</i>
ARS-GRIN	PI272255	South Africa	Not available	<i>R2/R4</i>
ARS-GRIN	PI273626	Ethiopia	Red	<i>R1/R4</i>
ARS-GRIN	PI275964	Greece	Red	<i>R3/R4</i>
ARS-GRIN	PI275965	Greece	Red	<i>R4/R4</i>
ARS-GRIN	PI432717	China	Red	<i>R4/R4</i>
ARS-GRIN	PI432713	China	Not available	<i>R4/R4</i>
ORI	121611	Not available	Red	<i>R4/R4</i>
ORI	Sumabae	Not available	Not available	<i>R3/R4</i>
ORI	803466	Not available	White	<i>R1/R4</i>
ORI	909811	Not available	Red	<i>R1/R4</i>
ORI	K003200	Not available	White	<i>R2/R4</i>
ORI	911290	Not available	White	<i>R4/R4</i>
ORI	K036252	Not available	Red	<i>R2/R4</i>
ORI	K037802	Not available	Red	<i>R1/R4</i>
ORI	121552	Not available	Red	<i>R2/R4</i>

^{z)}ARS-GRIN: Agricultural Research Service-Germplasm Resources Information Network, ORI: Onion Research Institute.