

S-ALLELE GENOTYPING OF LOCAL SPANISH ALMOND CULTIVARS

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Almond (*Prunus amygdalus* Batsch) has a gametophytic self-incompatibility system (GSI). GSI is haplotype specific and controlled by a multi-allelic *S*-locus that codes for RNases involved in pollen rejection in a specific manner. The *S*-genotype of 19 accessions has been identified and characterized in this study by PCR analysis. The use of conserved primers allowed the amplification of two new putative *S* alleles that had not been amplified before by PCR, for which the labels *S*₃₁ and *S*₃₂ are proposed. The restriction digestion of the PCR product was efficient to distinguish and to identify the alleles presenting similar size bands on the agarose gel and/or having high homology.