

Table S2 Basic information of oxidase protection enzyme gene

Type	Gene name	Gene number	Length/bp	Chromosome location
SOD	<i>VvMnSOD</i>	VIT_13s0067g02990	3868	Chr13:1602971..1606839
	<i>VvCuSOD</i>	VIT_06s0061g00750	3992	Chr6:18276926..18280918
	<i>VvCn/ZnSOD</i>	VIT_08s0007g07280	3544	Chr8:20888585..20892129
	<i>VvFeSOD</i>	VIT_10s0042g00100	6944	Chr10:12756583..12763527
	<i>VvFeSOD3</i>	VIT_16s0013g00260	5710	Chr16:5200379..5206089
CAT	<i>VvNADPH-E</i>	VIT_11s0016g00540	5775	Chr11:542212..547987
	<i>VvNADPH-C</i>	VIT_19s0014g02830	5113	Chr19:2924506..2929619
	<i>VvFeRO2</i>	VIT_15s0046g01900	3823	Chr15:18731174..18734997
	<i>VvFeRO7</i>	VIT_12s0035g02150	8437	Chr12:22531017..22539454
	<i>VvFeRO8</i>	VIT_17s0000g09160	3128	Chr17:10745402..10748530