

Table S7. Enzymes involved in the scavenging of reactive oxygen species identified in the maize root mucilage proteome

Protein ID ^{1,2}	Protein description
B4FHG3_MAIZE	Anionic peroxidase
B6TM55_MAIZE	APx1-Cytosolic Ascorbate Peroxidase
B6UB73_MAIZE	APx1-Cytosolic Ascorbate Peroxidase
B6T684_MAIZE	APx3-Peroxisomal Ascorbate Peroxidase
B4FA06_MAIZE	APx4-Peroxisomal Ascorbate Peroxidase
B6T5N2_MAIZE	Glutathione peroxidase
B4FRF0_MAIZE	Glutathione peroxidase
B6SU31_MAIZE	Glutathione peroxidase
B6U7S4_MAIZE	Glutathione peroxidase
B6TR92_MAIZE	Glutathione peroxidase
Q6RFK3_MAIZE	Peroxidase
B6TSH0_MAIZE	Peroxidase
Q9FEQ8_MAIZE	Peroxidase
B6UBA1_MAIZE	Peroxidase 1
B6T173_MAIZE	Peroxidase 1
B4FSK9_MAIZE	Peroxidase 1
B6SIA9_MAIZE	Peroxidase 1
B6TMI9_MAIZE	Peroxidase 1
B6STZ5_MAIZE	Peroxidase 1
B6T750_MAIZE	Peroxidase 17
B6SIU4_MAIZE	Peroxidase 24
B6T6D4_MAIZE	Peroxidase 27
B6THU9_MAIZE	Peroxidase 39
B6U6W0_MAIZE	Peroxidase 52
B6SMR2_MAIZE	Peroxidase 52
B6SNF9_MAIZE	Peroxidase 52
B6T7B1_MAIZE	Peroxidase 54
A5H452_MAIZE	Peroxidase 70
B6T3V1_MAIZE	Peroxidase 72
Q9ZTS7_MAIZE	Peroxidase P7X
A5H8G4_MAIZE	Plasma membrane-bound peroxidase 1
A5H453_MAIZE	Plasma membrane-bound peroxidase 3-1
A5H454_MAIZE	Plasma membrane-bound peroxidase 3-2
B6UHU1_MAIZE	Catalase
CATA3_MAIZE	Catalase isozyme 3
O64409_MAIZE	Glutathione reductase
B6TAN0_MAIZE	Monodehydroascorbate reductase, isoform 2
B4F925_MAIZE	Superoxide dismutase
B4F9H6_MAIZE	Superoxide dismutase
B1PEY4_MAIZE	Superoxide dismutase [Cu-Zn]
B6T056_MAIZE	Superoxide dismutase [Cu-Zn] 2
B6SK54_MAIZE	Superoxide dismutase [Cu-Zn] 4AP
SODM1_MAIZE	Superoxide dismutase [Mn] 3.1

¹ Only the first ID of each protein group has been displayed. All IDs are summarized in online supplement 1.

² Homologs of proteins shaded in grey have been identified in at least one of the dicot protein secretomes.^{31,32}