

A list of *Arabidopsis* genes involved in ROI removal in plants.

This is a partial list that includes superoxide dismutase (SOD), catalase (CAT), and enzymes of the ascorbate-glutathione cycle (see also Figure of ROI removal cycles).

Gene Name	Locus #
APX1	AT1G07890
APX2	AT3G09640
APX3	AT4G35000
Thylakoid-bound ascorbate peroxidase	AT1G77490
Stromal ascorbate peroxidase	AT4G08390
L-ascorbate peroxidase-like protein	AT4G32320
L-ascorbate peroxidase	AT1G07890
Putative ascorbate peroxidase	AT4G35970
CAT1	AT1G20630
CAT3	AT1G20620
Catalase	AT4G35090
putative GPX	AT2G25080
putative GPX	AT2G31570
GPX mRNA	AT2G31570
putative GPX	AT2G43350
putative GPX	AT2G48150
GPX-like protein	AT3G63038
phospholipid hydroperoxide GPX	AT4G11600
GPX-like protein	AT4G31870
superoxide dismutase (Fe)	AT4G25100
copper/zinc superoxide dismutase	AT2G28190
manganese superoxide dismutase	AT3G10920
manganese superoxide dismutase-like	AT3G56350
copper/zinc superoxide dismutase (3)	AT5G18100
iron superoxide dismutase (FSD3)	AT5G23310
monodehydroascorbate reductase	AT1G63940
monodehydroascorbate reductase	AT3G09940
monodehydroascorbate reductase	AT3G27820
monodehydroascorbate reductase	AT3G52880
monodehydroascorbate reductase	AT5G03630
dehydroascorbate reductase	AT5G16710
dehydroascorbate reductase	AT5G36270
dehydroascorbate reductase	AT1G75270
dehydroascorbate reductase	AT1G19550
dehydroascorbate reductase	AT1G19570
glutathione reductase	AT3G24170
glutathione reductase	AT3G54660