	Plant speicies																
Gene group	Algae	Moss	Amborellaceae	Monocots								Edudicots					
	Cr	Рр	Amt ^{1,2}	Bd ¹⁻³	Hv ¹⁻³	Os ¹⁻³	Sb ¹⁻³	Si ¹⁻³	Zm ¹⁻⁴	Ta ¹⁻⁵	Ma ^{1-4,6}	At ^{1,2,7,8}	Ga ^{1,2,7,9}	Gr ^{1,2,7,9}	Gh ^{1,2,7,9,10}	Pt ^{1,2,7,11}	Gm ^{1,2,12,13}
Cu/Zn-SOD	0	3	3	3	3	4	4	4	5	10	6	3	5	5	10	6	6
Mn-SOD	5	1	1	1	1	1	1	1	2	2	4	2	2	2	4	2	2
Fe-SOD	1	2	2	2	2	2	2	2	3	6	2	3	2	2	4	3	5
Total	6	6	6	6	6	7	7	7	10	18	12	8	9	9	<u>18</u>	11	13

Additional file 1: Table S1. Gene numbers of *SOD* gene family in 18 plant genomes.

Cr, *Chlamydomonas reinhardtii*; **Pp**, *Physcomitrella patens*; **Amt**, *Amborella trichopoda*; **Bd**, *Brachypodium distachyon*; **Hv**, *Hordeum vulgare*; **Os**, *Oryza sativa*; **Sb**, *Sorghum bicolor*; **Si**, *Setaria italica*; **Zm**, *Zea mays*; **Ma**, *Musa acuminata*; **Ta**, *Triticum aestivum*; **At**, *Arabidopsis thaliana*; **Ga**, *Gossypium arboretum*; **Gr**, *Gossypium raimondii*; **Pt**, *Populus trichocarpa*; **Gm**, *Glycine max*; **WGD**, whole-genome duplication; **Mya**, million years ago.

¹, ancestral seed plant WGD (ζ) ~310 Mya; ², the paleohexaploidization event (ε) common to all eudicots 130-190 Mya; ³, two WGD in monocots (σ and ρ) inferred to have pre-dated the diversification of Poaceae; ⁴, allotetraploid in maize ~13 Mya; ⁵, one lineage-specific polyploid event (hexaploid) in bread wheat; ⁶, three lineage-specific WGD rounds occurred during banana evolution; ⁷, one whole genome triplication (WGT) event (γ) probably shared by all core eudicots; ⁸, two recent WGDs (α and β) within the crucifer lineage; ⁹, one penta- or hexaploid duplication event in the *Gossypium* lineage after splitting from cacao lineage ~60 Mya; ¹⁰, neoallopolyploids reuniting divergent *Gossypium* genomes 1-2 Mya; ¹¹, one lineage-specific WGD event occurred during poplar evolution; ¹², the legume-specific WGD event 58 Mya; ¹³, the *Glycine* WGD event 13 Mya.