

Table 1 Information of SOD-domain gene family in maize

Gene name	Genomic accession	Chromosome	Location	No. of exon	Open reading fragment length	Amino acid (aa)	Molecular mass	Isoelectric point
<i>ZmSOD1</i>	Zm00001d028232_T001	1	27413617-27420137	7	6521	187	20.22	8.07
<i>ZmSOD2</i>	Zm00001d029170_T001	1	60930751-60934311	8	3561	176	19.54	6.65
<i>ZmSOD3</i>	Zm00001d031908_T001	1	206405716-206408991	8	3276	206	20.89	5.45
<i>ZmSOD4</i>	Zm00001d034150_T001	1	285138708-285141599	9	2892	169	18.78	7.75
<i>ZmSOD5</i>	Zm00001d002611_T001	2	16718233-16722717	9	4485	218	23.17	5.42
<i>ZmSOD6</i>	Zm00001d014632_T001	5	56752087-56756057	6	3971	154	17.80	6.58
<i>ZmSOD7</i>	Zm00001d036135_T001	6	73863295-73874255	9	10961	241	27.56	8.98
<i>ZmSOD8</i>	Zm00001d037859_T001	6	140001946-140006130	6	4185	213	22.84	6.71
<i>ZmSOD9</i>	Zm00001d037959_T001	6	143547873-143549151	3	1279	86	9.81	6.72
<i>ZmSOD10</i>	Zm00001d022505_T001	7	179056206-179061245	7	5040	233	24.92	5.91
<i>ZmSOD11</i>	Zm00001d009990_T001	8	93603801-93617450	6	13650	243	26.43	6.71
<i>ZmSOD12</i>	Zm00001d045384_T001	9	20246525-20250932	8	4408	147	16.88	5.42
<i>ZmSOD13</i>	Zm00001d045538_T001	9	25846589-25849271	8	2683	386	42.86	5.63
<i>ZmSOD14</i>	Zm00001d047479_T001	9	131494599-131498207	7	3609	187	19.72	6.48
<i>ZmSOD15</i>	Zm00001d025106_T002	10	104541550-104545518	8	3969	154	17.80	6.04