

Additional file 4: Table S4. Information of *SOD* genes from the wild and cultivated bananas.

<i>Musa acuminata</i> var. DH-Pahang (AA group)			<i>Musa balbisiana</i> var. PKW (BB group)			<i>Musa acuminata</i> cv. Tianbaojiao (AAA group)			
Locus ID	chr	ORF, bp	Locus ID	ORF, bp	Identity ^c , %	Gene name	ORF, bp	Identity ^d , %	Identity ^e , %
GSMUA_Achr4T06850_001	4	483	ITC1587_Bchr4_T08984	597	65.56	<i>MaCSD1A</i>	483	98.76	63.47
GSMUA_Achr2T02380_001	2	459	ITC1587_Bchr2_T03311	5067 ^{b1}	8.64	<i>MaCSD1B</i>	459	99.56	8.66
GSMUA_Achr7T03680_001	7	459	ITC1587_Bchr7_T18882	459	95.42	<i>MaCSD1C</i>	459	99.35	95.67
GSMUA_Achr8T09910_001	8	447 ^a	ITC1587_Bchr8_T22308	3204 ^{b2}	10.31	<i>MaCSD1D</i>	459	83.82	10.69
GSMUA_Achr9T20410_001	9	690	ITC1587_Bchr9_T27285	681	78.63	<i>MaCSD2A</i>	684	96.52	81.30
GSMUA_Achr10T06740_001	10	651	ITC1587_Bchr10_T29543	633	94.93	<i>MaCSD2B</i>	675	95.41	91.59
GSMUA_Achr8T21350_001	8	717	ITC1587_Bchr8_T23906	729	80.66	<i>MaMSD1A</i>	717	99.44	79.52
GSMUA_Achr3T18000_001	3	732	ITC1587_Bchr3_T07100	855	83.86	<i>MaMSD1B</i>	732	99.32	83.51
GSMUA_Achr2T18870_001	2	738	ITC1587_Bchr2_T04759	741	97.98	<i>MaMSD1C</i>	738	98.78	97.84
GSMUA_Achr3T09840_001	3	726	ITC1587_Bchr3_T06055	837	85.19	<i>MaMSD1D</i>	732	98.63	85.66
GSMUA_Achr11T23560_001	11	906	ITC1587_Bchr11_T34129	780	82.12	<i>MaFSD1A</i>	906	98.90	83.00
GSMUA_Achr10T27190_001	10	783	ITC1587_Bchr10_T31275	1491	28.09	<i>MaFSD1B</i>	783	99.74	28.15
GSMUA_Achr10T27220_001	10	783	ITC1587_Bchr10_T31280	1275	52.81			98.85	52.35

a: This gene is annotated as partial sequence in the 'DH-Pahang' genome database.

b1: A chimeric gene contains fragments of *Cu/ZnSOD* and dnaj heat shock domain.

b2: A chimeric gene contains fragments of *Cu/ZnSOD* and pentatricopeptide repeat-containing protein.

c: ORF identity of the *SOD* genes from the two wild bananas.

d: ORF identity of *MaSODs* and 'DH-Pahang' *SOD* genes.

e: ORF identity of *MaSODs* and 'PKW' *SOD* genes.

Length differences of the ORFs among bananas are marked in colors.