

**Table S1.** Gene-specific primers sequences used in the present study.

Gene	Primer Sequence (5'-3')	Gene Accession Number	Reference for Primer Sequence
<i>Fe-SOD</i>	F: ATCTTAGTTATGGTTCTCTTGT R: ATGGTGTAGAGCCTTTTCATAT	M64267	Sirhindi et al. [68]
<i>APX</i>	F: CGTGACGATGATTGGGAAGT R: TGATAGTGATCTTTCGGACCT	NM_001354113	Sirhindi et al. [68]
<i>CAT</i>	F: AGCATCTCACCTGAACTTGAA R: AGGTGAGAGGTTTGTGGCC	AF035252	Sirhindi et al. [68]
<i>POD</i>	F: TTGAAATAAAC CAAAGGAGTAGT R: AATAATTATTTGAATCTCTTTAAGG	AF145349	Sirhindi et al. [68]
<i>CHS</i>	F: AGGCTAACAGAGGAGGGTA R: CCAATTTACCGGCTTTCT	FJ770471	El-Esawi et al. [69]
<i>CHI</i>	F: TCCAGCGGTGGTTACTTCAC R: AGTGATGGCACCGCCTTATC	AF276302	Zhou et al. [65]
<i>P5CS</i>	F: GGCTGCAATGCCATGGAACTCTT R: ACTTGCCTTGGTCTCCATACAA	AJ715851	Vaishnav et al. [67]
<i>NR</i>	F: TGGTTTGATGGATTCCCATT R: AAATCCCATGCAAGCTCATC	NM_001251161	Vaishnav et al. [67]
<i>VSP</i>	F: GAAACTGATAAGGCAGGGATACA R: GTTGAGAGGTGAAGGAAGTACTG	M20037	Vaishnav et al. [67]
<i>PHD2</i>	F: AACAGGTTTTCCGGGACTTCAAGG R: GCTCCTCGTCATCTTCTTCATCCA	DQ973807	Kim et al. [70]
<i>Actin</i>	F: CCGTGGTTCTATCTTGGCATC R: GTCCTTCGCTTCAATAACCCTA	NM_001289231	Vaishnav et al. [67]