

Supplementary Documents

Table S1. Forward and reverse primers of molecular markers used in this study.

Marker name ^z	Primer (5'-3')	Annealing temperature (°C)	Primer source
NOI-F	GAACACAACCCGCACACC	59	
NOI-R	GATCAGCGTGTGACCGTTC		
Dof zinc-1-F	TGCTAACGGGTAATTTGTGA	56	Obtained from Anantasri (2024)
Dof zinc-1-R	GCACCAATCCATTTGTATGA		
Dof zinc-2-F	ACGGGTAATTTGTGATGACT	56	
Dof zinc-2-R	AGACCTTCCAAAGAGTTCTC		
<i>OsRc</i> -F	AAGAATAAAAAACCGTGCTGACG	49	
<i>OsRc</i> -R	GGATGATCGAGATCGATAAGTAAAG		
<i>OsTT8</i> -F	CGATCATCACTAGGCGATTG	49	Obtained from Purnama et al. (2025)
<i>OsTT8</i> -R	CATGGCATCGTCCCTTATG		
H8-F	AAAACCCTCCCTCCGTCAC	55	
H8-R	CCTTGAAGCTGGAAAGTAGC		
<i>In1-Rc</i> -F	ACCTACCTACGACACGATGC	60	
<i>In1-Rc</i> -R	GTTGTAGTGCCCCCTCCC		
<i>BTBN14</i> -F	CATATTTACTGGAGGGGACG	56	Obtained from Thaworn (2020)
<i>BTBN14</i> -R	TTTGTTTATGCCCGTACCAT		
FLS-F	TATCCTCTCCACCAGTTCG	53	
FLS-R	CCTGAACCCTAGCTCTCTTA		
ANS-F	ACAGCGACAGCATGAAAG	51	Retrieved from Chen et al. (2019)
ANS-R	GTTGTGGCAAGGAGAATA		

^z F. forward primer, R. reverse primer.

Supplementary References

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- Purnama PR, Suwanchaikasem P, Junbuathong S, Chotechuen S, Moung-Ngam P, Kasettranon W, et al. 2025. Uncovering genetic determinants of antioxidant properties in Thai landrace rice through genome-wide association analysis. *Sci. Rep.* 15(1): 1443.
- Thaworn S. 2020. "Quantitative trait loci analysis for antioxidant traits in rice *Oryza sativa* L." Doctoral dissertation, Biotechnology, Faculty of Science, Chulalongkorn University.