Table S1. Primers used in the present work.

Primers	Sequences (5'-3')	Description
F1	CTAACGTCATTCAAACTACC	qPCR for *TaCOPT3D*
R1	TTACGGAATGGTCCAACGTACC	
F2	ATCCAGCCCAGGACCCAACAC	Cloning of *TaCOPT3D*
R2	TAGGCAACGGTAACTTGCAA	
F3	**GGATCC**ATGGTAAGCTTGACGAC	Generation of vector for wheat transformation and prokaryotic expression. Restriction site of *BamH*I in F3 and *Kpn*I in R3 marked in bold.
R3	**GGTACC**AATAAACGTTAGCGGCA	
F4	**GGATCC**ATGGTAAGCTTGACGAC	Generation of vector for Y1H assay. Restriction site of *BamH*I in F4 and *Nde*I in R4 marked in bold.
R4	**CATATG**AATAAACGTTAGCGGCA	
F5	TGCAACTCGGTAGTACCAA	Detecting transgenic wheat expressing *TaCOPT3D*
R5	CTAGGCATGGCTGAATG	