

Table S1. Primer sequence of tea clone 2, 8, 9, 12, 21, 27, 28.

Clone Number	Gene Bank Accession Number	Forward/Reverse Primer Sequence(5'-3')	CDS Length (bp)
2	MK795745	ATGGAGAACGCCGACGTGTTTGGCTCGT TGATGCTCTTTGTATTCAATGCTCTTGT	868
8	MK795749	ATGATGAATGAAAACATTTTCAT TCAAGCTATTGGGTCTTTGTAGT	684
9	MN027185	ATGAAAACACAGCATCTTGATCTCAGT TTACCTTCTGGATAAGAGTATCATCG	690
12	MK795751	ATGGGTTGTTTTGTTGTAAGCCCTCGCTAT CTAAGGCTGTGCAGGGAAGTCGTTAAATGTAT	879
21	MK795756	ATGGGCTCCAAACAGTTCCAAGCTTCCTGTTGTA TTACTTCTCTTCCATTCTCTTGGGGTGGCGTG	768
27	MK795760	ATGTTACGGTTCACACTTCGACGAGGAGGAGCGA TCACATTGCATCAGCATGACAACTCATGAT	900
28	MK795761	ATGGGTGGGTGTGAAGCAAACGA TTAATATTGCTGGGTGGGGTTGAT	516

Table S2 Primer sequences of Cu signaling components in Arabidopsis

Gene Name	Accession Number	Primer sequence
<i>COPT1</i>	AT5G59030	Forward: 5'-GTTAATCCAAACCGCCGTGTA-3' Reverse: 5'-CAGAGCGACGAGAAAACACACC-3'
<i>COPT2</i>	AT3G46900	Forward: 5'-TCGCTCAAACCGCTGTGTAC-3' Reverse: 5'- AGAGAAAGAAACCAACGCCATAG-3'
<i>COPT3</i>	AT5G59040	Forward: 5'-CCTTCACCATCATCGTTCTTCC-3' Reverse: 5'-CGGCGAGACAGACCCAATAC-3'
<i>COPT4</i>	AT2G37925	Forward: 5'-CTGACCGTGGGATGTATGCA-3' Reverse: 5'-TCGGCACCCCTGTTTGATG-3'
<i>COPT5</i>	AT5G20650	Forward: 5'-GAGAATCGCCGCATCCAAT-3' Reverse: 5'-TGACGCCGAAAAGAAGAACC-3'
<i>ZIP2</i>	AT5G59520	Forward: 5'-GTACGTTGCGGTAAACCATCTC-3' Reverse: 5'-CGAGGAAGACGGCAATAAACTT-3'
<i>ZIP4</i>	AT1G10970	Forward: 5'- GCTCACCATAGGCATAGTCACTCT-3' Reverse: 5'-CACAATCCCGAGCTCCAATAT-3'
<i>COX17-1</i>	AT3G15352	Forward: 5'-GATTGATTCTCCACCCACTTC-3' Reverse: 5'-ACATATCTCTTCTTTGGTTTCGTC-3'
<i>COX17-2</i>	AT1G53030	Forward: 5'-GGACAAGCCAAGCAAAGATGT-3' Reverse: 5'-GATTCACCGTGTTCTACAATGCA-3'
<i>ATX1</i>	AT1G66240	Forward: 5'-TGTTCCAAGCCGTATCCTATCA-3' Reverse: 5'-TCCACGCCTTCCATTTTCC-3'
<i>CCS1</i>	AT1G12520	Forward: 5'-AGCAAAGTGGTCGAAAAGCTC-3' Reverse: 5'-GGGCCTTTGAATTCTGCTACTG-3'
<i>HMA1</i>	AT4G37270	Forward: 5'-TGGCCGCTCTTCCTTCAG-3' Reverse: 5'- GAGCGTAACTTGTTGATTAGATGAACT-3'
<i>HMA5</i>	AT1G63440	Forward: 5'-GGAAGCCCGTTGTTGTGA-3' Reverse: 5'-CCTTTGCTAACGGATGCTCACT-3'
<i>HMA6/PAA1</i>	AT4G33520	Forward: 5'-GTGGGCGTTCGGATACAAC-3' Reverse: 5'-CTCTTTTGGTTCCGGTTTGAC-3'
<i>HMA7/RAN1</i>	AT5G44790	Forward: 5'-TGGTAGGAGACGGAATCAATGAC-3' Reverse: 5'- CGATGGCTGTTATAACGTCTTCTAAG-3'
<i>HMA8/PAA2</i>	AT5G21930	Forward: 5'-GCTTTGTGCTCCTTGCTCGT-3' Reverse: 5'-CAGAATCCACTGGGGTGTTATTG-3'
<i>AP2M</i>	AT5G46630	Forward: 5'-TCGATTGCTTGTTTGAAGAT-3' Reverse: 5'-TGTCCAAGATTCTTCTCTCCCAT-3'