

Table S1. Primers and plasmids used in this research

Primer name	Sequence (5'→3')	Note	Plasmid
LP551124	TATTGTTTGTTCATGTTGGG		
RP551124	AGCAGAGAGACTTACGGGGAG		
LP830498	TGAATGGAATATGTTGGACC		
RP830498	AACCTGAGTCTCAACAGACGC		
LBb1	GCGTGGACCGCTTGCTGCAACT		
LB3	TAGCATCTGAATTCATAACCAATCTCGATACAC		
14990-L	ATGGCTTCATTACGAAAACGGT		
14990-R	TCACACAAGTGTTCCTTTCC		
53280-L	ATGGCGTCGTCGTCGTT		
53280-R	TTACACAAGTGTTCCTTTGAGA		
34020-L	ATGGGTCTTTAGGATATTCGAT		
34020-R	TTACTGCCTTGGATACTCATGC		
P14990-L	AATGGCGCGCTGGATGCTTTGTAATTTGCG	<i>AscI</i>	pBADG
P14990-R	AATTTAATTAATGACGAAGCCATTTACGACT	<i>PacI</i>	
P53280-L	AATGGCGCGCCATAACATAAGATTTACCAGTGCATGA	<i>AscI</i>	pBADG
P53280-R	AATTTAATTAAGATGAAACGGGCTTTATCCTG	<i>PacI</i>	
P34020-L	AATGGCTCGCCAAATACGTCCATGGATTGGT	<i>AscI</i>	pBADG
P34020-R	AATTTAATTAACCGAGAGTGTTCGCTCT	<i>PacI</i>	
14990-WEN-L	AATCTCGAGATGGCTTCATTACGAAAACGGT	<i>XhoI</i>	pWEN18, pWEN-NY
14990-WEN-R	AATGGTACCCACAAGTGTTCCTTTCC	<i>KpnI</i>	pWEN-CY
53280-WEN-L	AATCTCGAGATGGCGTCGTCGTCGTT	<i>XhoI</i>	pWEN18, pWEN-NY
53280-WEN-R	AATCTCGAGCACAAGTGTTCCTTTGAGA	<i>XhoI</i>	pWEN-CY
34020-WEN-L	AATGGTACCATGGGTCTTTAGGATATTCGAT	<i>KpnI</i>	pWEN18, pWEN-NY
34020-WEN-R	AATGGTACCCTGCCTTGGATACTCATGC	<i>KpnI</i>	pWEN-CY
14990-ET-L	AATGGATCCATGGCTTCATTACGAAAACGGT	<i>BamHI</i>	pET28a
14990-ET-R	ATTCTCGAGCACAAGTGTTCCTTTCC	<i>XhoI</i>	
53280-ET-L	ATTGGATCCATGGCGTCGTCGTCGTT	<i>BamHI</i>	pET28a
53280-ET-R	AATCTCGAGCACAAGTGTTCCTTTGAGA	<i>XhoI</i>	
34020-ET-L	AATGAATTCATGGGTCTTTAGGATATTCGAT	<i>EcoRI</i>	pET28a
34020-ET-R	ATTGCGGCCGCTGCCTTGGATACTCATGC	<i>NotI</i>	
14990-YTH-L	ATTGGCCATGGAGGCCATGGCTTCATTACGAAAACGGT	<i>NcoI</i>	pGADT7, pGBKT7
14990-YTH-R	ATTCCCGGGCACAAGTGTTCCTTTCC	<i>SmaI</i>	
53280-YTH-L	ATTGGCCATGGCGTCGTCGTCGTT	<i>NcoI</i>	pGADT7, pGBKT7
53280-YTH-R	ATTCCCGGGCACAAGTGTTCCTTTGAGA	<i>SmaI</i>	
34020-YTH-L	AATGAATTCATGGGTCTTTAGGATATTCGAT	<i>EcoRI</i>	pGADT7, pGBKT7
34020-YTH-R	ATTCCCGGGCTGCCTTGGATACTCATGC	<i>SmaI</i>	
CSD1-WEN-L	AATCTCGAGATGGCGAAAGGAGTTGCAGT	<i>XhoI</i>	pWEN18, pWEN-NY
CSD1-WEN-R	AATGGTACC GCCCTGGAGCAATGATG	<i>KpnI</i>	pWEN-CY
DJI-ET-L	AATGAATTCATGGCTTCCAAAAGAGCTCTGGTCA	<i>EcoRI</i>	pET28a
DJI-ET-R	ATTCTCGAGGTCTTTAAGAACAAGTGGAGCCTTC	<i>XhoI</i>	
SOD1-ET-L	ATTCATATGGCGACGAAGCCCGTGT	<i>NdeI</i>	pET28a
SOD1-ET-R	ATTGAATTCCTTGGGCGATCCCAATTACA	<i>EcoRI</i>	
DJI-WEN-L	ATTCTCGAGATGGCTTCCAAAAGAGCTCTGGTCA	<i>XhoI</i>	pWEN-NY
DJI-WEN-R	AATGGTACCGTCTTTAAGAACAAGTGGAGCCTTC	<i>KpnI</i>	pWEN-CY
SOD1-WEN-L	ATTCTCGAGATGGCGACGAAGGCCGTGT	<i>XhoI</i>	pWEN-NY
SOD1-WEN-R	AATGGTACCTTGGGCGATCCCAATTACA	<i>KpnI</i>	pWEN-CY
HsGPX2-WEN-L	AATCTCGAGATGGCTTTCATTGCCAAGTC	<i>XhoI</i>	pWEN-NY
HsGPX2-WEN-R	AATGGTACCTATGGCAACTTTAAGGAGGCGCTTG	<i>KpnI</i>	pWEN-CY
AtGPX2-WEN-L	AATCTCGAGATGGCGATGAATCTCCAA	<i>XhoI</i>	pWEN-NY
AtGPX2-WEN-R	AATGGTACCAGAAGAGGCTGTCCCAAC	<i>KpnI</i>	pWEN-CY