

Supplementary Materials:

Table S1. Primer sequences for PCR analysis.

Accession number	Primer	Sequences (5'-3')
Brara.A02927.1	BraHDA1-fw	AACATGGCTACGGCACCTCG
	BraHDA1-rev	TGTCCCAACCCAGTCCACAATC
Brara.A03767.1	BraHDA2-fw	TTTCTCCGCAGCATTACGCC
	BraHDA2-rev	ACCAACAGAGCCACCAGCATAC
Brara.A00453.1	BraHDA3-fw	GAAGGCACCACCCTGAACTTAC
	BraHDA3-rev	GAGCATCATACCCGGCAGAAAC
Brara.B03745.1	BraHDA4-fw	AAGTTGCGCCTTCAAGTCTCCC
	BraHDA4-rev	TCTCTTCTCTTCGCTCGCCTTC
Brara.C03690.1	BraHDA5-fw	TCCGTTTGTTCGGTCTTGAACC
	BraHDA5-rev	AACCTTCGCCCTCTCTTCTTCC
Brara.C04226.1	BraHDA6-fw	CTTTGACGGTGAACCTTGACGGG
	BraHDA6-rev	ACTCAGGGTGATCCTCTCCGTT
Brara.E02343.1	BraHDA7-fw	TTTGCAGCAGCAGATGATGCC
	BraHDA7-rev	TGCCAGATTCTTGTGCTCACC
Brara.F01687.1	BraHDA8-fw	ATAAGTCAGAAAGCGTAGCCGA
	BraHDA8-rev	GGAAATAGAACCACCGCGTAG
Brara.F01690.1	BraHDA9-fw	ACGATCGGAGTTGGAATGGA
	BraHDA9-rev	GGAAATAGAACCACCGCGTAG
Brara.F01971.1	BraHDA10-fw	CGACGGTATGGAATCCCAACAG
	BraHDA10-rev	GGAAATAGAACCACCGCGTAG
Brara.F02002.1	BraHDA11-fw	TGAGATACATCCAGCACGCTCC
	BraHDA11-rev	TGAATCTGCTTATCCCGCGAAC
Brara.F02210.1	BraHDA12-fw	TCGCTTCCACTCTCCCGAGT
	BraHDA12-rev	GCAAACTCGAAAAGCCCGTC
Brara.F02773.1	BraHDA13-fw	CTTAGCCCATTCGGAAAGCAGG
	BraHDA13-rev	GCAAAAGCACAAAACCCGCC
Brara.I00647.1	BraHDA14-fw	CGTGGGGAACATATCCAAACCG
	BraHDA14-rev	CCATACCAAGGAGCCAAAGCAG
Brara.I00727.1	BraHDA15-fw	TGGACGATGAGAGTTTCCGCAG
	BraHDA15-rev	ATCACCGCTTAACGAGTCAGCC
Brara.I05307.1	BraHDA16-fw	TGCTTCCTCAACAACGCAGCTC
	BraHDA16-rev	TAACCCAACCCACACCTTCAC
Brara.A02332.1	BraHDT1-fw	ACCAAAGCATGTGACTGCACC
	BraHDT1-rev	AGCTTCTGCTGCTTTAGCCTTC
Brara.J02801.1	BraHDT2-fw	TAGGCGAGAAGAAGAACGGTGG
	BraHDT2-rev	ACTCCTCTCCAGCACAAATCTCC
Brara.B00303.1	BraSRT1-fw	TGACTGGAGCTGGGATTAGCAC
	BraSRT1-rev	TAACTCCTTGCCCAATACCGCC
Brara.C01390.1	BraSRT2-fw	CCGTTTCATCGTGCAATGCC
	BraSRT2-rev	TCCCAGATCGAAGATGCAAGCC
Brara.A00453.1	BraHDA3-F EcoR1	GAATTCAAATGACGCTTACCGTC
	BraHDA3-R NotI	GCGGCCGCTCATAAACAATGAATG
JN120480.1	Bra-Actin-F	TGGGCGTACTACTGGTATTGTG
	Bra-Actin-Rev	TGTAACCTCTCTCGGTGAGAAT

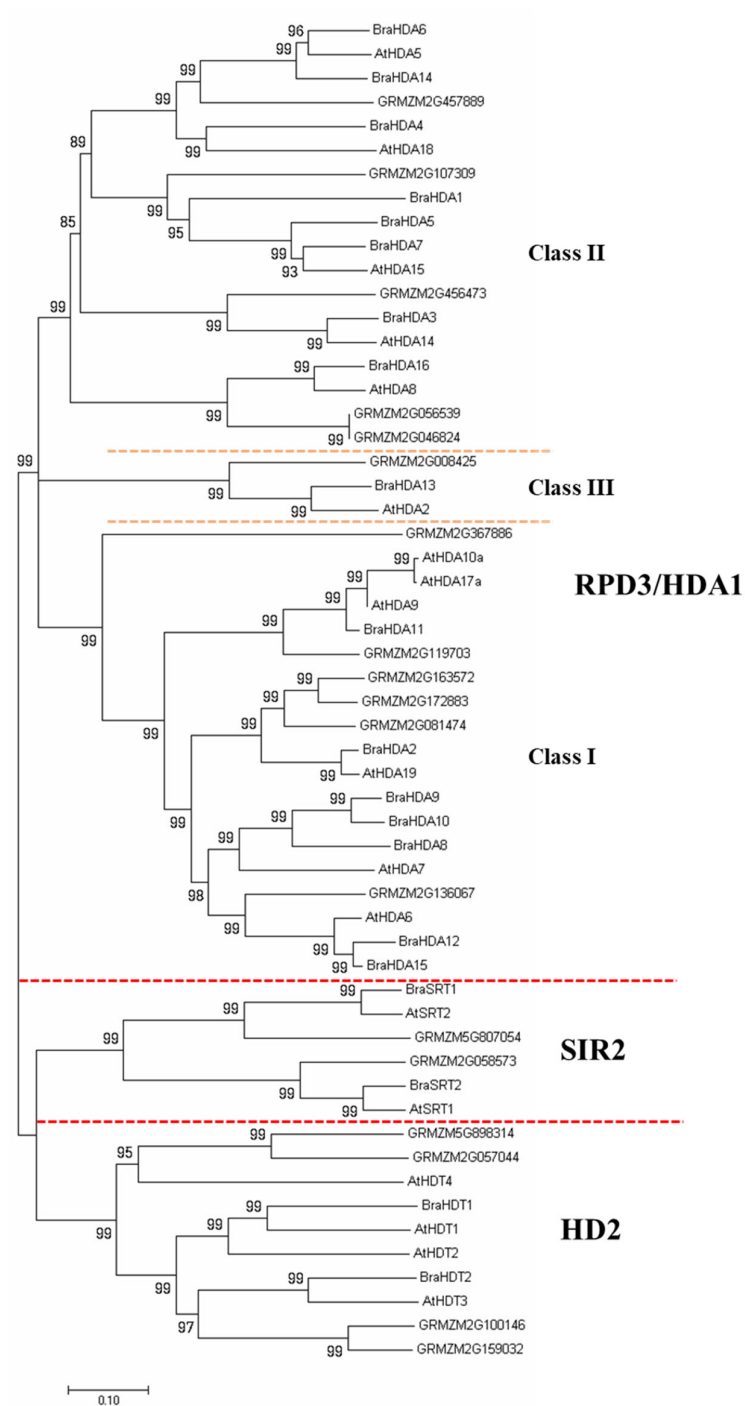


Figure S1. Phylogenetic relationships of *Arabidopsis*, *maize* and *Brassica rapa* HDACs

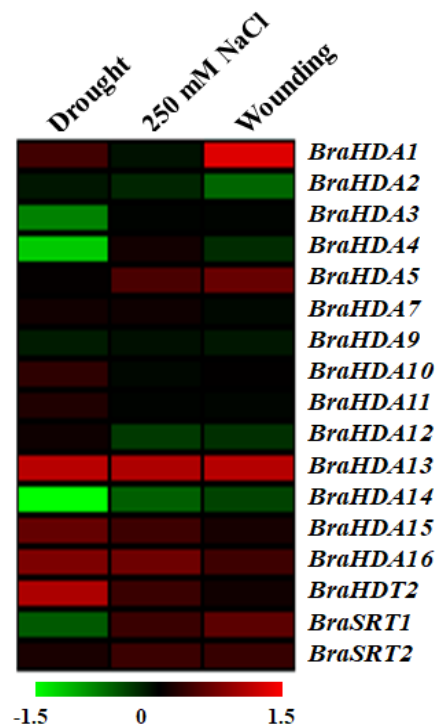


Figure S2. Expression pattern of BraHDAC genes in response to wounding, salt, and drought stresses. To analyze the expression pattern of BraHDAC in response to abiotic stresses, Chinese cabbage plants were treated with 250 mM NaCl, effectively wounded using sterile syringe needle, water withholding. After 2 days, samples were harvested. Expression is indicated as a log₂ ratio of experimental treatments relative to the values at 0 h (non-treated samples). All treatments were carried out three times, resulting in three biological replicates.