

(A)

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ben1_O_pBEN1_BST GGAATTTAATAATAATGTTTGTAAATAAATGGATAAAGAATGTGAATTATTTATATAAAATG
ben1_T_pBEN1_BST GGAATTTAATAATAATGTTTGTAAATAAATGGATAAAGAATGTGAATTATTTATATAAAATG
Col-0_BST GGAATTTAATAATAATGTTTGTAAATAAATGGATAAAGAATGTGAATTATTTATATAAAATG
Col-0_no_BST GGAATCCAATAACAATGTTTGTAAATAAACGGACAAAGAATGTGAATTATTCACATAAAATG
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ben1_O_pBEN1_BST ATTTGTAAAATGTGAGTATTTGATTATAATGGATATAATAAAAATAAAAATTGTAATAAAG
ben1_T_pBEN1_BST ATTTGTAAAATGTGAGTATTTGATTATAATGGATATAATAAAAATAAAAATTGTAATAAAG
Col-0_BST ATTTGTAAAATGTGAGTATTTGATTATAATGGATATAATAAAAATAAAAATTGTAATAAAG
Col-0_no_BST ATCTGTAAAATGTGAGCATTGATTATAACGGATATAATAAAAACAAAATTGTAATAAAG
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ben1_O_pBEN1_BST AGAGAAGAGGGTAAAATGGGGAATATGTTATGTGGATAGGTGTGAGAGAGTAAATGATGT
ben1_T_pBEN1_BST AGAGAAGAGGGTAAAATGGGGAATATGTTATGTGGATAGGTGTGAGAGAGTAAATGATGT
Col-0_BST AGAGAAGAGGGTAAAATGGGGAATATGTTATGTGGATAGGTGTGAGAGAGTAAATGATGT
Col-0_no_BST AGAGAAGAGGGCAAAACGGGGAACATGTCACGCGGATAGGTGTGAGAGAGTAAATGACGT
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ben1_O_pBEN1_BST AGGTTTTGTTATTTAAGAATTTTTTTAGAGAGGTTTTTATATAT-AGNNG-----
ben1_T_pBEN1_BST AGGTTTTGTTATTTAAGAATTTTTTTAGAGAGGTTTTTATATATTAGAAGAGAGAGAAAG
Col-0_BST AGGTTTTGTTATTTAAGAATTTTTTTAGAGAGGTTTTTATATATTAGAAGAGAGAGAAAG
Col-0_no_BST AGGTTCCGTTATTTAAGAACCCTTCTAGAGAGGTCCC-ACACACCAGAAGAG-----
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ben1_O_pBEN1_BST -----
ben1_T_pBEN1_BST AGATAGAGAGAAAATGGTG
Col-0_BST AGATAGAGAGAAAATGGTG
Col-0_no_BST -----

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(B)

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ben1_O_Ex2_BST GGTGGTGTGTTGAGTTTGGTGGGAAGAATGGGTTAGAGGTTGTGATGTTTGTATTTTTTTT
ben1_T_Ex2_BST GGTGGTGTGTTGAGTTTGGTGGGAAGAATGGGTTAGAGGTTGTGATGTTTGTATTTTTTTT
Col-0_BST GGTGGTGTGTTGAGTTTGGTGGGAAGAATGGGTTAGAGGTTGTGATGTTTGTATTTTTTTT
Col-0_no_BST GCGGCGCTTGAGTTCGGTGGGAAGAATGGGTTAGAGGTTGTGACGCTCGTTATTCCCTCT
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ben1_O_Ex2_BST TGTTGTTGGATTTTTTATATTTTTTGTGTTGTTTTTTTTTGTTTTTTATATTTTTTGTAT
ben1_T_Ex2_BST TGTTGTTGGATTTTTTATATTTTTTGTGTTGTTTTTTTTTGTTTTTTATATTTTTTGTAT
Col-0_BST TGTTGTTGGATTTTTTATATTTTTTGTGTTGTTTTTTTTTGTTTTTTATATTTTTTGTAT
Col-0_no_BST CGTCGTCGGACCTTTTATATCTTCGTCGTTGCCTTCCCTCCGTCTTCATATCTCTGCCAT
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ben1_O_Ex2_BST GTTTTTTG/GTATTTAA
ben1_T_Ex2_BST GTTTTTTG/GTATTTAA
Col-0_BST GTTTTTTG/GTATTTAA
Col-0_no_BST GCTCTTTG/GTACTTAA
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**Figure S3 Genomic DNA in the *BEN1* Promoter and *BEN1* 2<sup>nd</sup> Exon-Intron junction does not show any methylation in both the pre-triple *ben1-1* and the *bas1-2 sob7-1 ben1-1* triple-mutant lines.** (A) *BEN1* promoter DNA was amplified using primers pBEN1-BS-F and pBEN1-BS-R from the bisulfite converted genomic DNA from the Col-0, pre-triple *ben1-1* and the triple-mutant lines. (B) *BEN1* DNA from the 2<sup>nd</sup> Exon-Intron junction was amplified using primers BEN1-E2-BS-F and BEN1-E2-BS-R from the bisulfite converted genomic DNA from the Col-0, pre-triple *ben1-1* and the triple-mutant lines. BST= bisulfite treatment. ben1\_O= pre-triple *ben1-1*, and ben1\_T= *bas1-2 sob7-1 ben1-1* triple-mutant.