Supplemental Table 1. Primers used in this work.

Name	Sequence
mdfa-F	5'-tagaaataattttgtttaactttaagaaggagatatacccatgcaaaataaattagcttc-3'
mdfa-R	5'-ggccccaaggggttatgctagttattgctcagcggtgcccttacccttcgtgagaatttc-3'
mdfa-18sac-1F	5'-ccaagcttgcatgcctgcaggtcgactctagaggatccccgcaaagatgtttttaatggc-3'
mdfa-18sac-1R	5'-gattattattggcgaagaaattgcaaaaaaatgcctgattgctttgtgcg-3'
mdfa-18sac-2F	5'-cgcacaaagcaatcaggcatttttttgcaatttcttcgccaataataatc-3'
mdfa-18sac-2R	5'-aacagctatgaccatgattacgaattcgagctcggtacccttatcgctgcgttttaattc-3'
mdfa-rhab-1F	5'-gctcaaattggaatcaggtttgtgccaataccagtagcccgcaaagatgtttttaatggc-3'
mdfa-check-F	5'-cctgatcgcacaaagcaatcaggca-3'
mdfa-check-R	5'-ttaaactctgcgcgattattattgg-3'

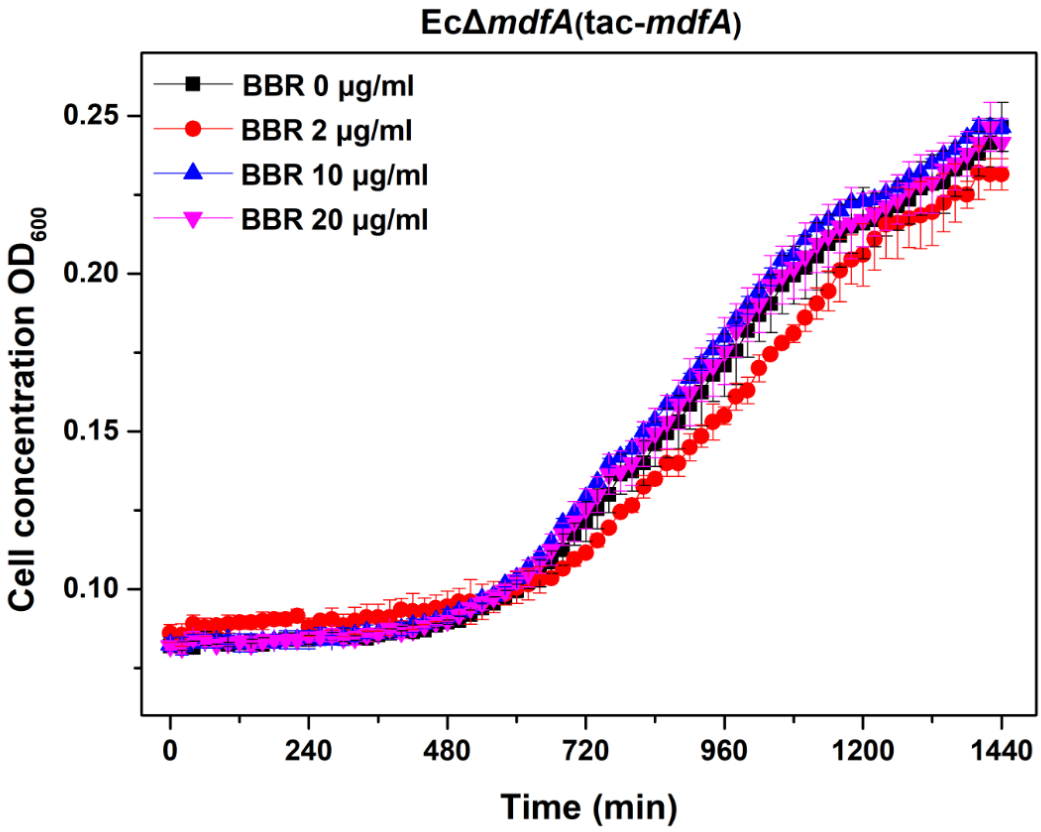

Figure S1. Low levels of BBR had no effect on cell growth of the reporter strain. Cell growth curve was obtained from a plate reader. All the experiments were conducted with at least three biological replicates. Data were presented at mean values ± standard error.

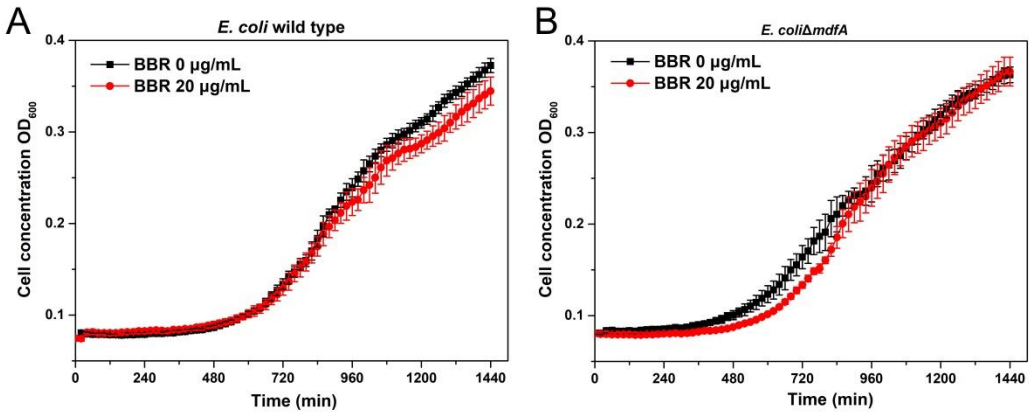

Figure S2. Low levels of BBR had no effect on cell growth of the wild type and the mdfA mutation strains. Cell growth curve was obtained from a plate reader. All the experiments were conducted with at least three biological replicates. Data were presented at mean values ± standard error.

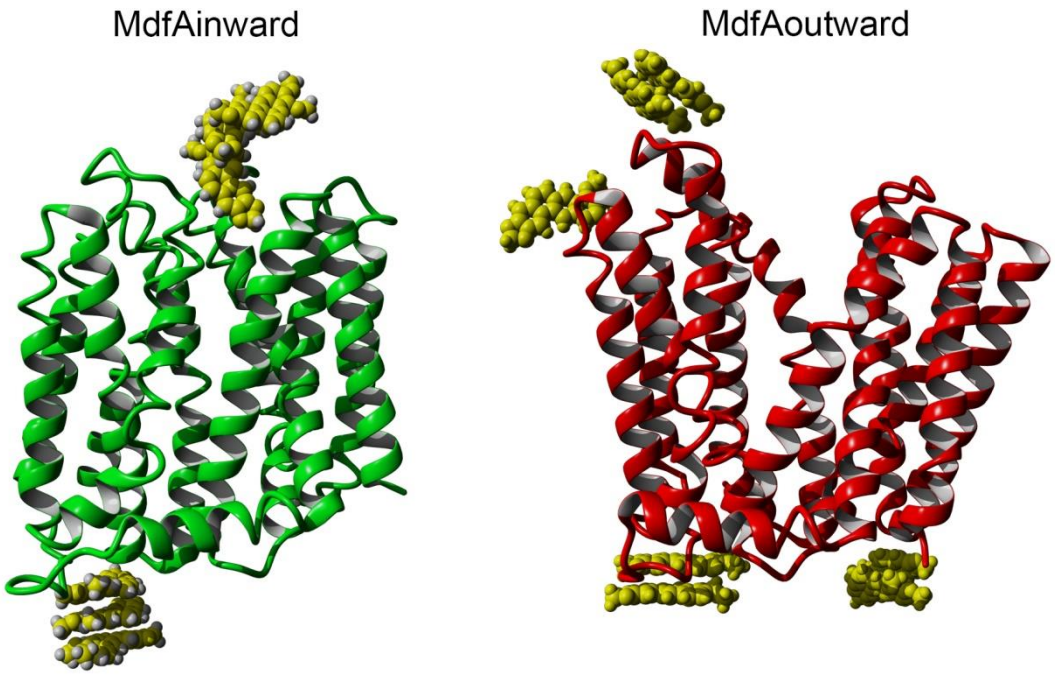

Figure S3. Visualization the interactions of $MdfA^{inward}$ and $MdfA^{outward}$ with BBR molecules in the simulation. Molecules colored yellow represent BBR.