

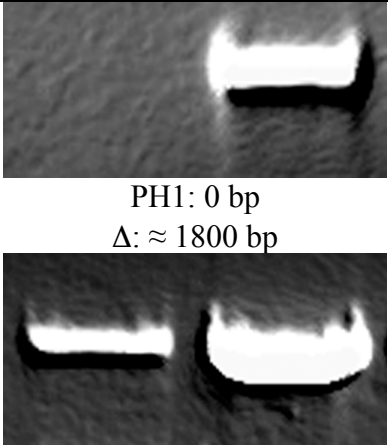
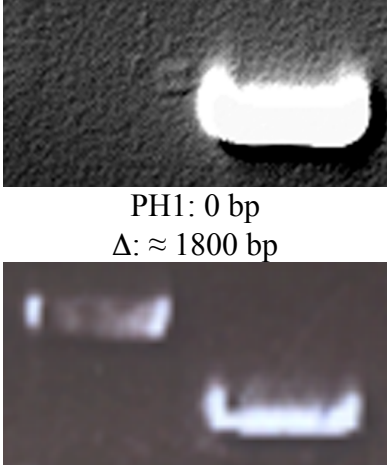
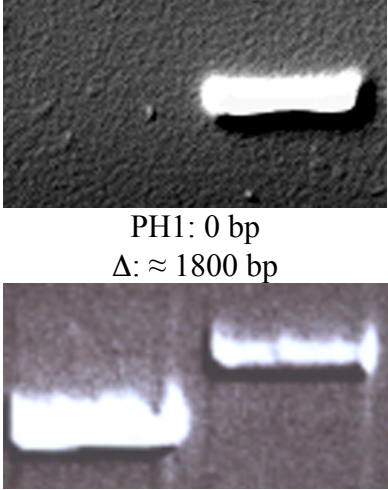
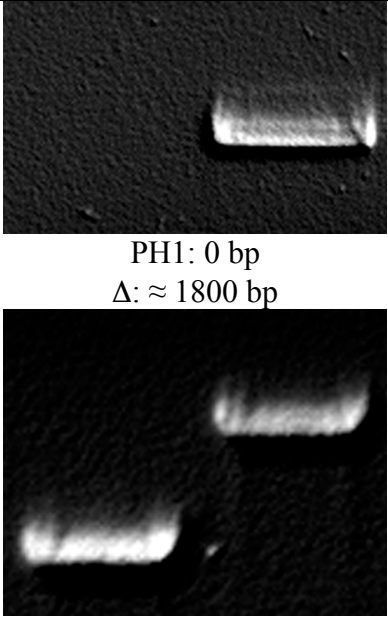
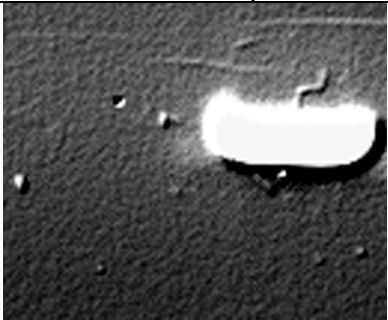




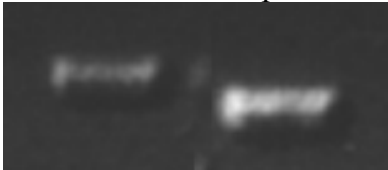

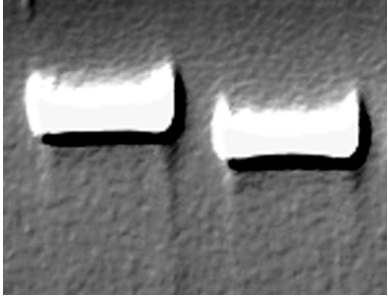
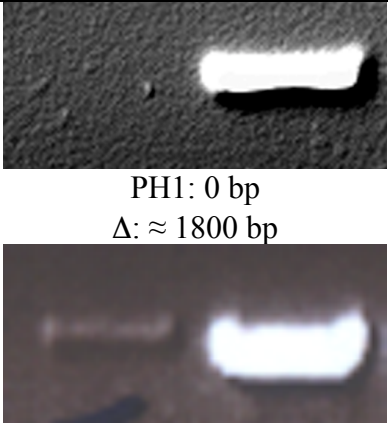
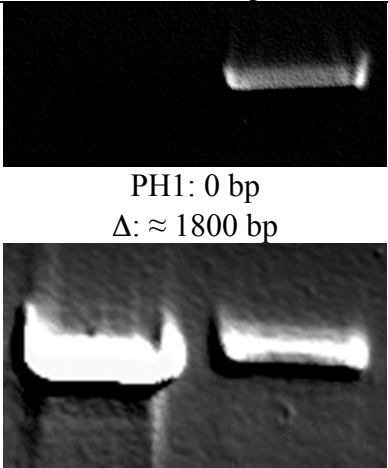
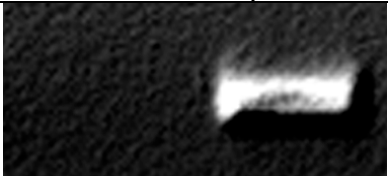

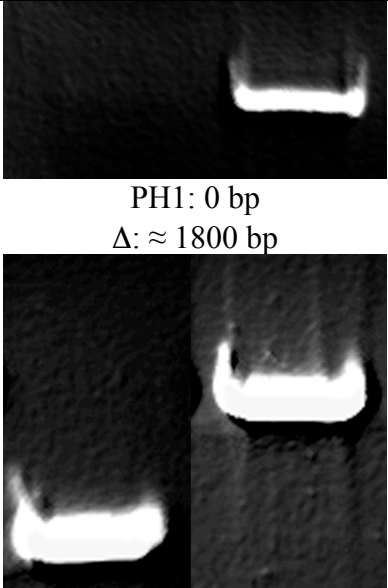
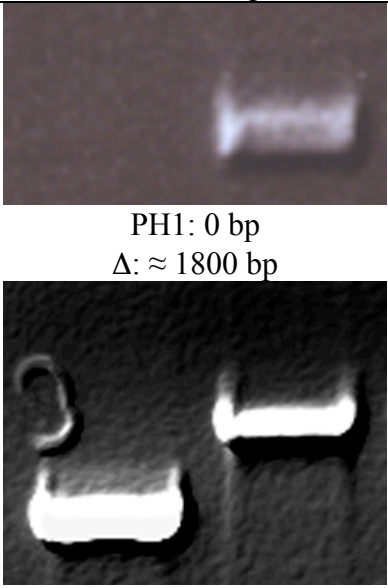
| | (PH1 on left) |
|-----------|---|
| PH-1 | N/A |
| FGSG_0565 |  <p>PH1: 0 bp Δ: ≈ 1800 bp</p> <p>PH1: 3686 bp Δ: 3656 bp</p> |
| FGSG_1108 |  <p>PH1: 0 bp Δ: ≈ 1800 bp</p> <p>PH1: 4159 bp Δ: 3600 bp</p> |

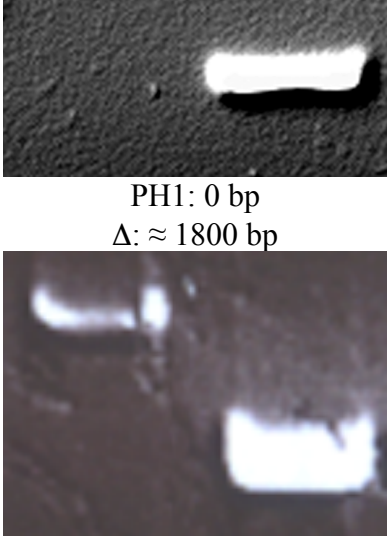
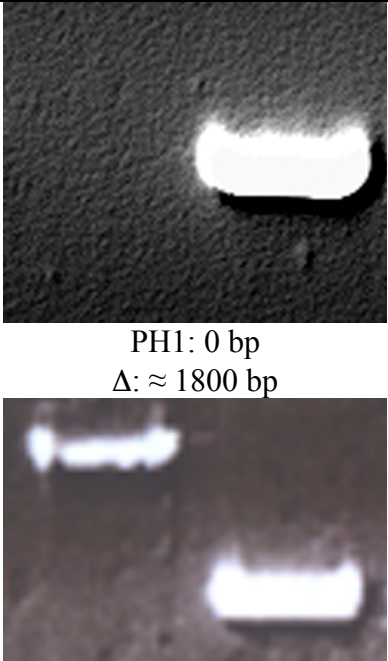
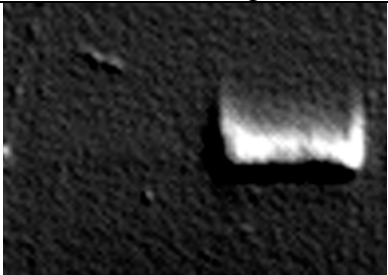
Figure S4. PCR verification of knockouts of *Fusarium graminearum*. Top image is of the internal check (*hyg* gene); Bottom image is the external check (primers from **Table S7**).

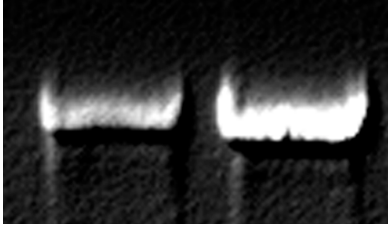
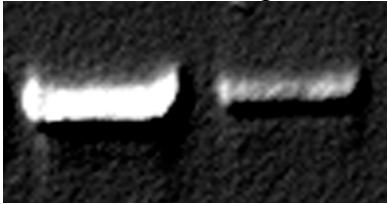

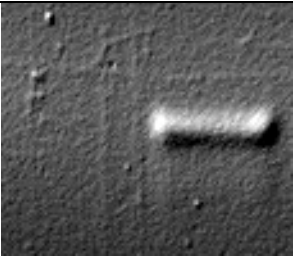
| | |
|------------------|--|
| <p>FGSG_2102</p> |  <p>PH1: 0 bp Δ: \approx 1800 bp</p> <p>PH1: 2480 bp Δ: 3630 bp</p> |
| <p>FGSG_3028</p> |  <p>PH1: 0 bp Δ: \approx 1800 bp</p> <p>PH1: 2575 bp Δ: 3882 bp</p> |
| <p>FGSG_4001</p> |  <p>PH1: 0 bp Δ: \approx 1800 bp</p> |

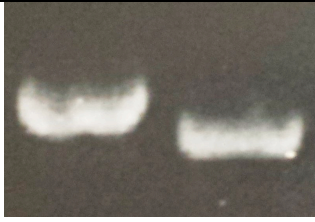
| | |
|-----------|--|
| |  <p>PH1: 2718 bp Δ: 2752 bp</p> |
| FGSG_4417 |  <p>PH1: 0 bp Δ: \approx 1800 bp</p>  <p>PH1: 0 bp Δ: 2100 bp</p> |
| FGSG_4997 |  <p>PH1: 0 bp Δ: \approx 1800 bp</p>  <p>PH1: 3651 bp Δ: 3599 bp</p> |
| FGSG_5166 |  <p>PH1: 0 bp Δ: \approx 1800 bp</p> |

| | |
|-----------|---|
| |  <p>PH1: 3959 bp Δ: 3525 bp</p> |
| FGSG_5652 |  <p>PH1: 0 bp Δ: \approx 1800 bp</p> <p>PH1: 4044 bp Δ: 3606 bp</p> |
| FGSG_6651 |  <p>PH1: 0 bp Δ: \approx 1800 bp</p> <p>PH1: 3774 bp Δ: 3930 bp</p> |
| FGSG_7111 |  <p>PH1: 0 bp Δ: \approx 1800 bp</p> |

| | |
|-----------|---|
| |  <p>PH1: 0 bp Δ: \approx 1800 bp</p> |
| FGSG_7478 |  <p>PH1: 0 bp Δ: \approx 1800 bp</p> <p>PH1: 2430 bp Δ: 3771 bp</p> |
| FGSG_8695 |  <p>PH1: 0 bp Δ: \approx 1800 bp</p> <p>PH1: 2512 bp Δ: 3552 bp</p> |

| | |
|-------------------|--|
| <p>FGSG_10094</p> |  <p>PH1: 0 bp Δ: \approx 1800 bp</p> <p>PH1: 6899 bp Δ: 3612 bp</p> |
| <p>FGSG_13162</p> |  <p>PH1: 0 bp Δ: \approx 1800 bp</p> <p>PH1: 7567 bp Δ: 3414 bp</p> |
| <p>FGSG_16340</p> |  <p>PH1: 0 bp Δ: \approx 1800 bp</p> |

| | |
|------------|--|
| |  <p>PH1: 3842 bp Δ: 3777 bp</p> |
| FGSG_16849 | <p>Photo Not Available PH1: 0 bp Δ: \approx 1800 bp</p>  <p>PH1: 3537 bp Δ: 3738 bp</p> |
| FGSG_17494 | <p>No Internal Check Completed</p>  <p>PH1: 7758 bp Δ: 3941 bp</p> |
| FGSG_17499 |  <p>PH1: 0 bp Δ: \approx 1900 bp</p> |



Δ: 3583 bp
PH1: 3160 bp