| Promoter     | Sequence                                                                 |
|-------------|--------------------------------------------------------------------------|
| >pheP_WT_GCrich | CTCGAGTCGACTCTGGAATCTCGAGTCAGAGGTGATGAGCCGGATTGCCGCGCCGATGATTGGCGGCATGATCACCGCACCTTTGCTGTCGCTGTTTATTCTCCCGGCGGCGTATAAGCTGATGTGGCTGCACCGACATCGGGTACGGAAATAAAAGCAGGATACCCCGTTTAACCGTGTGATTGTGGTCTTGGAGGTGCAGCTAAATGTTAAAAGGTGCCCCTCAACAAAAAGAACACAGCAGGGGATCCGAGGATCC |
| >pheP_hybrid  | CTCGAGTCGACTCTGGAATCTCGAGTCAGAGGTGATGAGCCGGATTGCCGCGCCGATGATTGGCGGCATGATCACCGCACCTTTGCTGTCGCTGTTTATTCTCCCGGCGGCGTATAAGCTGATGTGGCTGCACCGACATCGGGTACGGAAATAAAAGCAGGATACCCCGTTTAACCGTGTGATTGTGGTCTTGGAGGTGCAGCTAAATGTTAAAAGGTGCCCCTCAACAAAAAGAACACAGCAGGGGATCCGAGGATCC |
| >pheP_ATrich  | CTCGAGTCGACTCTGGAATCTCGAGTCAGAGGTGATGAGCCGGATTGCCGCGCCGATGATTGGCGGCATGATCACCGCACCTTTGCTGTCGCTGTTTATTCTCCCGGCGGCGTATAAGCTGATGTGGCTGCACCGACATCGGGTACGGAAATAAAAGCAGGATACCCCGTTTAACCGTGTGATTGTGGTCTTGGAGGTGCAGCTAAATGTTAAAAGGTGCCCCTCAACAAAAAGAACACAGCAGGGGATCCGAGGATCC |
| >pelE_WT_ATrich | CTCGAGTCGACTCTGGAATCTCGAGTCAGAGGTGATGAGCCGGATTGCCGCGCCGATGATTGGCGGCATGATCACCGCACCTTTGCTGTCGCTGTTTATTCTCCCGGCGGCGTATAAGCTGATGTGGCTGCACCGACATCGGGTACGGAAATAAAAGCAGGATACCCCGTTTAACCGTGTGATTGTGGTCTTGGAGGTGCAGCTAAATGTTAAAAGGTGCCCCTCAACAAAAAGAACACAGCAGGGGATCCGAGGATCC |
| >pelE_GCrich  | CTCGAGTCGACTCTGGAATCTCGAGTCAGAGGTGATGAGCCGGATTGCCGCGCCGATGATTGGCGGCATGATCACCGCACCTTTGCTGTCGCTGTTTATTCTCCCGGCGGCGTATAAGCTGATGTGGCTGCACCGACATCGGGTACGGAAATAAAAGCAGGATACCCCGTTTAACCGTGTGATTGTGGTCTTGGAGGTGCAGCTAAATGTTAAAAGGTGCCCCTCAACAAAAAGAACACAGCAGGGGATCCGAGGATCC |
| >pelE_ATrich  | CTCGAGTCGACTCTGGAATCTCGAGTCAGAGGTGATGAGCCGGATTGCCGCGCCGATGATTGGCGGCATGATCACCGCACCTTTGCTGTCGCTGTTTATTCTCCCGGCGGCGTATAAGCTGATGTGGCTGCACCGACATCGGGTACGGAAATAAAAGCAGGATACCCCGTTTAACCGTGTGATTGTGGTCTTGGAGGTGCAGCTAAATGTTAAAAGGTGCCCCTCAACAAAAAGAACACAGCAGGGGATCCGAGGATCC |
| >pelD_WT_GCrich | CTCGAGTCGACTCTGGAATCTCGAGTCAGAGGTGATGAGCCGGATTGCCGCGCCGATGATTGGCGGCATGATCACCGCACCTTTGCTGTCGCTGTTTATTCTCCCGGCGGCGTATAAGCTGATGTGGCTGCACCGACATCGGGTACGGAAATAAAAGCAGGATACCCCGTTTAACCGTGTGATTGTGGTCTTGGAGGTGCAGCTAAATGTTAAAAGGTGCCCCTCAACAAAAAGAACACAGCAGGGGATCCGAGGATCC |
| >pelD_ATrich  | CTCGAGTCGACTCTGGAATCTCGAGTCAGAGGTGATGAGCCGGATTGCCGCGCCGATGATTGGCGGCATGATCACCGCACCTTTGCTGTCGCTGTTTATTCTCCCGGCGGCGTATAAGCTGATGTGGCTGCACCGACATCGGGTACGGAAATAAAAGCAGGATACCCCGTTTAACCGTGTGATTGTGGTCTTGGAGGTGCAGCTAAATGTTAAAAGGTGCCCCTCAACAAAAAGAACACAGCAGGGGATCCGAGGATCC |

| XhoI restriction site, -35 element, -10 element, discriminator, TSS, BglII restriction site |

| Plasmid       | Description                                                                 | Origin         |
|---------------|-----------------------------------------------------------------------------|----------------|
| pGEMT         | High-copy-number vector containing a multiple cloning site within the alpha-peptide coding region of the enzyme beta-galactosidase. | Promega        |
| pGEMT-pelA-BglII-pelE | pGEMT derivative containing both the 500-bp region with pelA-BglII and the 500-bp region with pelE. | This work      |
| pUCTer-luc    | High-copy-number vector (pUC18 derivative) containing a multiple cloning site upstream of the luc reporter gene, followed by a rrnB terminator and a cat gene conferring chloramphenicol resistance. | Laboratory collection |
| pUCTer-pelD-luc | pUCTer-luc derivative containing the D. dadantii pelD WT promoter sequence above cloned upstream of the luc reporter gene. | This work      |
| pUCTer-pelE-luc | pUCTer-luc derivative containing the D. dadantii pelE WT promoter sequence above cloned upstream of the luc reporter gene. | This work      |

| Primer name   | Sequence                                                                 |
|---------------|--------------------------------------------------------------------------|
| pelA F1       | CTCGAGGTATGAGGTAAGCTGC                                                    |
| pelA R1       | AGATCTGATGAGGTAAGCTGC                                                    |
| pelE F1       | CCTGATGAGGTAAGCTGC                                                        |
| pelE R1       | GGAGCTGATGAGGTAAGCTGC                                                    |
| pUCTer C18    | GGGAGGACTGATGAGGTAAGCTGC                                                  |
| pUCTer 155    | GGGAGGACTGATGAGGTAAGCTGC                                                  |

| rrnB terminator sequence, BglII restriction site |