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| Primer name | *5’-3’ sequence* |  |
| 821-GBgadCR | ggaattcgatTTAGATGCCATAGGAGGATTTTC | Amplification of *gadB* upstream sequence |
| 894-GBgadC2F | GATGAATATCGTACATCCTCCAATTTTTTAATG |
| 892-GBkefA2F | AAGCTTGATAAAACAAGAAAATATTCATGAAATTCAG | Amplification of *gadB* downstream sequence |
| 893-GBkefA2R | GGAGGATGTACGATATTCATCTTAAGAAAAATCAAAAGC |
| 822-GBpGhost9EVF | catctaaATCGAATTCCTGCAGCCCG | Amplification of pGhost9 backbone |
| 891-GBpGh9EV2R | TCTTGTTTTATCAAGCTTATCGATACCGTC |
| 898-amt GadB(DCO) | TTGGATTAGCTGCGGCATATTTTATCG | Verification of *gadB* deletion onto the chromosome |
| 899-avl GadB(DCO) | CCTTGTTGACCATAATGCAAAGCAGGT |

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| Primer name | *5’-3’ sequence* |
| GabSeq\_2\_F | AAAATATAGAAGGAGACTATTGCAAATAGC |
| GabSeq\_2\_R | AAAAATTAATGGCCATCGTTGGTAGTTCTC |
| GabSeq\_3\_F | TCTGTGCAGCAGAAATGGCGACGGTTGAA |
| GabSeq\_3\_R | TCCCCATAAATTTTTCTTTTTCACTCGCAT |
| GabSeq\_4\_F | CGGTTATTCCTCAAAAAGACTTATCATTAA |