**Sequencing Data (Confirmation of *Salmonella* Knockouts)**

1. ***LeuB* Knockout**

**526|527a**

**Inserted intron**

5’ exon TACCCCCTTCTGCGACATAGCGGGCGATAATATCGCCCATCTCATCGGTACTGACTGCGGCAGCGCCCCTGGCTAAATCGCCGGTGCGAACGCCCTCTTCTAATGCGCGATTGATCGCCTGTTCAATGGCCGTTGCCGCATCGTTGGCATCCAGGCTGTAGCGCAGCAGCAGCGCCAGCGACAGGATCTGCGCAATTGGGTTGGCGATATTTTTCCCGGCGATATCCGGCGCGGAGCCGCCAGCCGGTTCATACAGGCCAAACCCTTGCTCGTTCAGGCTGGCGGAGGGCAACATCCCCATTGAGCCGGTGATCATGGCGCATTCGTCGGACAGAATGTCGCCGAACAGGTTAGAGCACAGCAGTACGTCAAACTGTGACGGGTCTTTAATCAACTGCATGGTGGCGTTATCGATATACATGTGCGCGAGTTCCACATCGGGATACGTTTTCGCGACATCATTGACGATTTCACGCCACAGGATAGAGCTTTGCAGTACGTTGGCTTTATCAATAGAGGTGACTTTACGGCGGCGTTTACGCGCCGATTCAAAGGCGGTGAAGTAGGGAGGTACCGCCTTGTTCACATTACTGTGACTGGTTTGCACCACCCTCTTCGGGAACCGTACGTACCCCTCTCGGAGTATACGGCTCTGTTATTGTTCGTTCGTAAAAATTCACTGTCGACATTCACTTGTGTTTATGAATCACGTGACGATGACAATGAAAGCATACAACAAGAGTTTTACGTTGTTTCGCTATCATTGCCATTTCCCAACGCGTCGCCACGTAATAAATATCTGGACGTAAAAGATAACGATAAAGTCTTGTAAAAACTTCGTCTATATTTTCTTGTGAATTTTTACTGATTCTTTCTAAAATTGCCATTGTTGGTTTCATTTTGAGGTTTTCCTCCCTAATCAATTTTTAATTTTAGTACACAATAACTGTACCCCTTTGCCATGTAAAGGGCGTTACCCTTCTCAGACTACTACGAGTACTCCGTACCCTTGCAAGATTTTCAAGCTCTAGTGCTATAGCCTTTTTCCTCCTTTCTATTAGGCATTCTTGTTTAGGGTATCCCCAGTTAGTGTTAAGTCTTGGTAAATTCAGATTCTCGGCATCGCTTTCGTTTCGTTCCCATAGGTTCTCCTACAGATTGTACAAATGTGGGTGATAACAGATAAGTCCCGGTATCGTAACTTACCTTTCTTGTACTAGAGGTTTCAGACACTTTCCTCTATCGACATTGAACCGAAATTAGAAACTTGCGTTCAGTAAACACAACTTATACCTTATATCTGATTAACATTGCGACTCAGTCGTACCCGATTGTCTTTAGGTAACTCATCGCTTTCCAACCGTGCTCTGTTCCCGTATCAGCTTTCGCTTTTCGGTTAGGTTGGCTGTTTTCTGTGTTATCTTACAGAGTAGTACCTTAAACTACTTGACTTAACACCCTATCTGGGCGCACATACGGGCAATGCGCTCGATCTCAAAGCGGTGATAAACTTCGGTATCAAAGGCTTTTTCGTACTGACCGCTGCCTTCACGGCCTTTTGGTTGTCCGAAATAGATCCCGCCGGTCAGCTCGCGCACGCACAGGATATCGAAACCGTTAGCGGCGATATCGGCGCGCAACGGGCAAAATGCTTCCAGTCCCTGATACAGTTTCGCCGGACGCAGGTTACTGAATAATTTGAAATGTTTGCGCAGCGGCAGCAGAGCGCCGCGCTCCGGCTGGCTTTCCGGGGGCAAATTTTCCCATTTCGGGCCGCCGACGGAGCCAAACAGAATGGCATCCGCCTGCTCGCACCCTTCAACGGTGGCTTTCGGCAGTGGATGACCATGATTGTCGATAGCAATACCGCCGACGTCATAGCGGCTGGTGGTGATACGCATATCAAAACGGCTGCGTACCGCATCCATAACTTTCAGGGCTTGCGCCATGACTTCCGGGCCGATGCCGTCGCCCGGCAATACGGCAATATGATAGTCTCGAC 3’ exon

1. ***ArgD* Knockout**

**141|142a**

**Inserted intron**

5’ exon GTCATCGCCTGCAATGTTGCACAAACTGTTGCCGCTTAGTGTGAATGCCTTGTAGTACCTCTGGCGTATTAATAATATCGAATGCCGCGCCAGCCACCGCACAGGCCAGCGGATTACCGCCATAGGTTGAACCATGCGAACCGACATGAAAGGCCGTGAAGTAGGGAGGTACCGCCTTGTTCACATTACTGTGACTGGTTTGCACCACCCTCTTCGGGAACCGTACGTACCCCTCTCGGAGTATACGGCTCTGTTATTGTTCGTTCGTAAAAATTCACTGTCGACATTCACTTGTGTTTATGAATCACGTGACGATGACAATGAAAGCATACAACAAGAGTTTTACGTTGTTTCGCTATCATTGCCATTTCCCAACGCGTCGCCACGTAATAAATATCTGGACGTAAAAGATAACGATAAAGTCTTGTAAAAACTTCGTCTATATTTTCTTGTGAATTTTTACTGATTCTTTCTAAAATTGCCATTGTTGGTTTCATTTTGAGGTTTTCCTCCCTAATCAATTTTTAATTTTAGTACACAATAACTGTACCCCTTTGCCATGTAAAGGGCGTTACCCTTCTCAGACTACTACGAGTACTCCGTACCCTTGCAAGATTTTCAAGCTCTAGTGCTATAGCCTTTTTCCTCCTTTCTATTAGGCATTCTTGTTTAGGGTATCCCCAGTTAGTGTTAAGTCTTGGTAAATTCAGATTCTCGGCATCGCTTTCGTTTCGTTCCCATAGGTTCTCCTACAGATTGTACAAATGTGGTGATAACAGATAAGTCCGCCTCGGTAACTTACCTTTCTTTGTACTAGAGGTTTCAGACACTTTCCTCTATCGAGGAGAAATCGAAATTAGAAACTTGCGTTCAGTAAACACAACTTATACCTTATATCTGATTAACATTGCGACTCAGTCGTACCCGATTGTCTTTAGGTAACTCATCGCTTTCCAACCGTGCTCTGTTCCCGTATCAGCTTTCGCTTTTCGGTTAGGTTGGCTGTTTTCTGTGTTATCTTACAGAGTAGTACCTTAAACTACTTGACTTAACACCCTATCTGGGCGCACGAGGCGATCTCCTGCGTGGTCAGCATGGCGCTCACCGGAAAACCGCCGCCTAACGCTTTGGCGCTGGTGAGGATATCCGGCGTGACGCCGTAGTGCATATAGGCAAACAGGTCTCCGGTGCGCCCCATCCCGCACTGCACTTCATCAAACACCAGCAACGCCTGATGCTCGTCACACAGGTCGCGTAACCCTTTGAGGAATTCCGGTGTAGCCGCCTGCACGCCGCCTTCACCCTGAATCGGCTCGACCACCACCGCGCAGGTGTGGTCATCCATTACCGCTTTCACCGCATGAAGATCGTTGAAGGGAACGTGAATAATATCGGCGGGTTTTGGCCCAAAGCCGTCGGAATATTTCGGCTGCCCGCCGACAGAGACGGTAAACAAGGAACGGCCATGAAAAGCGTTATGGAAGGCAATGATTTTCGTTTTGAACGGGCTATGGCGCACGCAGGCATAATGACGCGCCAGTTTAAAAGCGGTTTCGTTCGCTTCGGTGCCGGAATTCATAAACAGCACGCGCTCGGCAAACGTGGCGTCGATCAGTTTACGTCCCAGACGCAACGCTGGTTCATTGGTAAAAACGTTACTGGTATGCCACAAGGTTTCCCCCTGGGATTTCAGCGCCTCGACCAGTGCCGGATGGCAATGGCCCAGCGCAGTCACTGCAATCCCGCCGGCGAAATCGATATACTCTTGCCTG 3’ exon