

We found for Gene #53 that there seemed to be some coding potential in the complementary sequence. However, in this complementary sequence, there was no stop or start that could be identified. When looking at the frames in DNA master, the reverse would overlap too much with Gene #52 to be considered. There were no possible homologs found in Phamerator and there were no hits when locally blasted in the phagesdb. There were no hits in the NCBI protein database as well. For Gene #54, there was a coding potential with a stop and start in the direct sequence. There were no homologs found in Phamerator. The NCBI database also had no hits for this protein sequence. For gene #54, when locally blasted in the phagesdb, all of the hits were proteins with an unknown function. HHPred had no hits for either of the sequences. We think there may be a possibility that gene 53 and gene 54 may be the same gene as there is a 3 base pair overlap. There is also a 3 base pair overlap between gene 52 and gene 53.

complete sequence, 42157 bp including 11-base 3' overhang (CGAAGGGGCAT), Cluster AZ, Order 2, Window 96, Step 12, 19/21

