**A**

A circular diagram labeled pKoTtAIF with annotations indicating its size as 7626 bp. The diagram illustrates the orientation of various DNA elements such as 5'UTR, 3'UTR, 3'ORF, BamHI, NotI, XhoI, and f1 ori. The diagram also highlights the presence of Amp' and Neo' sequences.

**B**

A flowchart showing the comparison between WT strain, plasmid construct, and ∆strain. The WT strain includes 3'UTR, AIF ORF, and 5'UTR, while the plasmid construct integrates Neo'. The ∆strain lacks the AIF gene.

**C**

A graph plotting the number of cells/ml over time (h). The graph displays two curves: one for WT strain and another for ∆AIF strain. The y-axis represents the number of cells/ml ranging from 10^3 to 10^6. The x-axis indicates time in hours from 0 to 48. An inset image shows gel electrophoresis results for AIF, Neo', and BTU in both WT and ∆AIF strains.