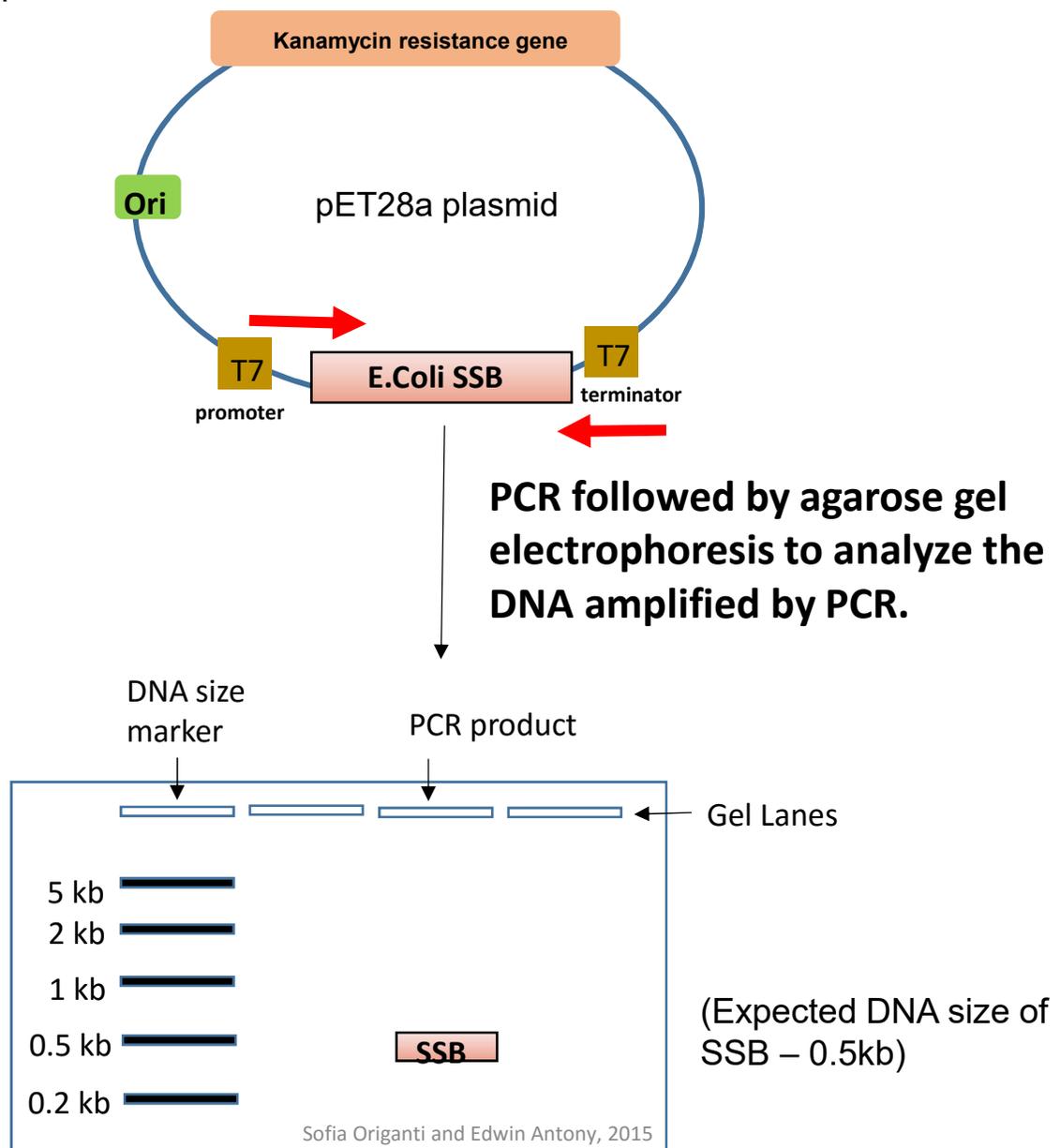


# Cloning, expression, purification, and biophysical characterization of SSB from pathogenic bacteria

**Week 1 – Learning the concept of PCR by amplifying *E.coli* SSB DNA inserted into the pET28a plasmid.**

## Overview:

- To learn the concept and technique of PCR, *E.coli* SSB gene cloned into the pET28a plasmid will be amplified using T7 forward and T7 reverse primers (shown in red).
- The amplified SSB PCR product will be assayed using agarose gel electrophoresis.



**Week 1 – Learning the concept of PCR by amplifying *E.coli* SSB DNA inserted into the pET28a plasmid.**

**Overview (cont'd.) : PCR- Schematic**

