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Culturing Xanthomonas

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Xanthomonas genomics

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ABSTRACT

This is the protocol for culturing strains of Xanthomonas species in preparation for extracting genomic DNA for sequencing.

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1 Streak isolates onto King's B plates. Incubate at 28°C for ~48 hours.

2 Pick a single colony and inoculate to 10ml King's B liquid media in 30ml universal tubes. Incubate over night at 28°C and 220rpm.

3 Pellet 1.8ml of liquid culture in a 2ml Eppendorf tube by centrifuging at 5000g for 10mins. Pour off and discard the supernatant.

4 Pipette another 1.8ml culture into the tube and repeat step 3. This will pellet 4ml of culture in a 2ml Eppendorf tube.

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5 Spin the tubes for 2mins at 5000g. Remove the supernatant by pipetting and discard.

6 Proceed to the extraction process or flash freeze the pellets in liquid nitrogen and store at -20C until use.

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