

List of Abbreviations

AHL N-Acyl homoserine lactone

HSL Homoserine lactone

bp base pair

CFU colony forming unit

EGFP enhanced green fluorescent protein

EPS exopolysaccharide

OD optical density

PCR polymerase chain reaction

qRT-PCR quantitative real time PCR

QS quorum sensing

TY tryptone-yeast extract

LC-MS/MS Liquid Chromatography Tandem Mass Spectrometry

cinRI cinR-cinI regulon of QS in *R. leguminosarum* bv viceae 3841

Rlv3841 cinR-cinI regulon of QS in *R. leguminosarum* bv viceae 3841

sinRI sinR-sinI regulon of QS in *Ensifer meliloti* 8530

Em8530 *Ensifer meliloti*

SEM Scanning electron Microscopy

CLSM Confocal Laser Scanning Microscopy