

Materials List for:

Visualization of Twitching Motility and Characterization of the Role of the *PilG* in *Xylella fastidiosa*

Xiangyang Shi¹, Hong Lin²

¹Department of Plant Science, University of California, Davis

²Agricultural Research Service, San Joaquin Valley Agricultural Sciences Center, United States Department of Agriculture

Correspondence to: Hong Lin at Hong.Lin@ars.usda.gov

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Materials

Name	Company	Catalog Number	Comments
Biology materials			
<i>X. fastidiosa</i> (Xf) Temecula wild type			Costa, H. S., <i>et al.</i> , 2004 ²²
<i>pilG</i> deletion mutant <i>XfΔpliG</i>			Shi, X. Y., <i>et al.</i> , 2007 ²⁶
<i>pilG</i> complementary strain <i>XfΔpliG-C</i>			Davis, M. J., <i>et al.</i> 1998 ²³
Physical materials and equipment			
Disposable inoculating loops	VWR international, Radnor, PA	#22-363-607	quantitative procedures such as bacterial collection
Polydimethylsiloxane (PDMS)	Dow Corning Corporation	#0002709226	Sylgard 184 silicone Elastomeric Kits
AmScope MD2000 digital camera	AmScope, Irvine, CA	SE305R-AZ-E	Image, video recording and measurement
Tubes line	Edgewood, NY	#T4300	Connected to the syringe and microfluidic chamber
Plastic luer connectors	Edgewood, NY		Connected to the syringe and microfluidic chamber
Syringe pumps	Pico Plus, Harvard Apparatus, MA	#702209	The flow rate can be adjusted while the pump is running.
Syringes	Gastight, Hemilton Company, Reno, NV	#1005	Provide the flowing broth
Inverted Olympus IMT-2 microscope	Olympus	IMT-2 FLuoro PHase	Image observation and recording
SPOT-RT digital camera	Diagnostic Instruments, Inc., MI	RT230	Image, video recording and measurement
Microscope Shutter	The UNIBLITZ, US	#LS2T2	Control camera's exposure time
Microscope Shutter Control system	The UNIBLITZ, US	VCM-D1	VCM-D1 Single Channel CE/UL/CSA Approved Shutter Driver
MetaMorph Image software	Universal Imaging Corp., PA		Real-time super-resolution image processing