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| Table S2. *Myxococcus* strains  |
| Strain | Construction | Source | Genotypea |
| DZ2TM7DZ4335TM9TM4TM17TM41TM13TM155TM158DZ4038TM199TM184TM302TM181TM223TM224TM420TM254TM398TM399TM400TM757TM414TM415TM416TM426TM481TM437TM438TM443TM444TM417TM457TM458TM461TM421TM684TM442TM227TM483TM500TM511TM543TM419TM482TM512TM542TM531TM635TM460 | Wild typeDZ2 *ΩaglZ frzS-gfp*DZ2 Δ*frzS*DZ2 *aglZ-YFP* DZ2 Ω*frzE* *frzS-gfp* DZ2 *mglA-yfp* DZ2 Δ*mglA*DZ2 Δ*mglA* *frzS-gfp*DZ2 Δ*mglB*DZ2 Δ*mglBA* (pBJDmglBA)DZ2 *frzon* DZ4038 *ΔmglB*TM17 *mx8att::mglA* TM184 *mglB-mCh*TM155 *mx8att*::*mglA*-*yfp* TM155 *frzS-yfp*TM155 *aglZ-yfp* TM155 *romR-mCh* (pBJromRC)DZ2 *ΔromR* (pBJDromR)TM254 *aglZ-yfp*TM254 *frzS-yfp* (pEFrzSY)TM254 *mglA-yfp* (pSWU30mglAY)TM417 *mglB-yfp* (pSWU30mglBY)TM41 *mglB-mCh* (pSWU30mglBC)TM41 *romR-mCh* (pBJromRC)TM13 *mglB-mCh* (pSWU30mglBC)TM13 *romR-mCh* (pBJromRC)TM415 *mglB-yfp* (pSWU30mglBY)DZ4335 *aglZ-yfp*DZ4335 *mglB-mCh* (pSWU30mglBC)DZ4335 *romR-mCh* (pBJromRC)DZ4335 *mglA-yfp* (pSWU30mglAY)TM254 *ΔmglB* (pBJDmglB)TM417 *aglZ-yfp*TM417 *frzS-yfp* (pEFrzSY)TM417 *mglA-yfp* (pSWU19mglAY)TM7 *romR-mCh* (pBJromRC)TM7 *mglB-mCh* (pSWU30mglBC)DZ2 *romR-mCh* (pBJromRC)TM199 *mglA-yfp* (pSWU19mglAY)TM420 *frzCDc* TM254 *ΔmglBA* (pBJDmglBA) TM500 *mglB-yfp* (pSWU30mglBY)TM500 *mglB* (pSWU19mglB)TM158 *romR-mCh* (pBJromRC)TM254 *ΩpilA*TM254 *romR-his6* (pSWU30-romRhis6)TM417 *romR-his6* (pSWU30-romRhis6)TM254 *Δ*aglQ (pBJDaglQ)TM41 *romR-his6* (pSWU30-romRhis6)TM417 frzon | Laboratory collectionLaboratory collectionLaboratory collection[25] [22][27] [27] [27] [16][16][45][16] [16] [16] [16] [16] This workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis workThis work | WT*ΩaglZ frzS-gfp**ΔfrzS**aglZ-yfp*ΩfrzE *frzS-gfp**mglA-yfp**ΔmglA**ΔmglA frzSGFP**ΔmglB**ΔmglBA**frzon**ΔmglB frzon**mglA-yfp mglA**mglA-yfp mglA mglB-mCh* *ΔmglB mglA-yfp mglA**ΔmglB frzS-yfp**ΔmglB aglZ-yfp**ΔmglB romR-mCh**ΔromR**ΔromR aglZ-yfp**ΔromR frzS-yfp**ΔromR mglA-yfp mglA**ΔromR ΔmglB mglB-yfp**ΔmglA mglB-mCh**ΔmglA romR-mCh**ΔmglA frzSGFP mglB-mCh**ΔmglA frzSGFP romR-mCh**ΔmglA romR-mCh mglB-yfp**ΔfrzS aglZ-yfp**ΔfrzS mglB-mCh**ΔfrzS romR-mCh**ΔfrzS mglA-yfp mglA**ΔromR ΔmglB**ΔromR ΔmglB aglZ-yfp**ΔromR ΔmglB frzS-yfp**ΔromR ΔmglB mglA-yfp mglA**ΩaglZ frzS-gfp romR-mCh**ΩaglZ frzS-gfp mglB-mCh**romR-mCh**ΔmglB frzon mglA-yfp mglA**ΔmglB frzon romR-mCh**ΔromR ΔmglBA**ΔromR ΔmglBA mglB-yfp* *ΔromR ΔmglA**ΔmglBA romR-mCh* *ΔromR ΩpilA**ΔromR romR-his6**ΔromR ΔmglB romR-his6**ΔromR ΔaglQ**ΔmglA romR-his6**ΔromR ΔmglB frzon* |

a A gene is italicized when present and preceded by the symbol Δ when deleted or the symbol Ω when interrupted by gene insertion.