

Supplemental Figures

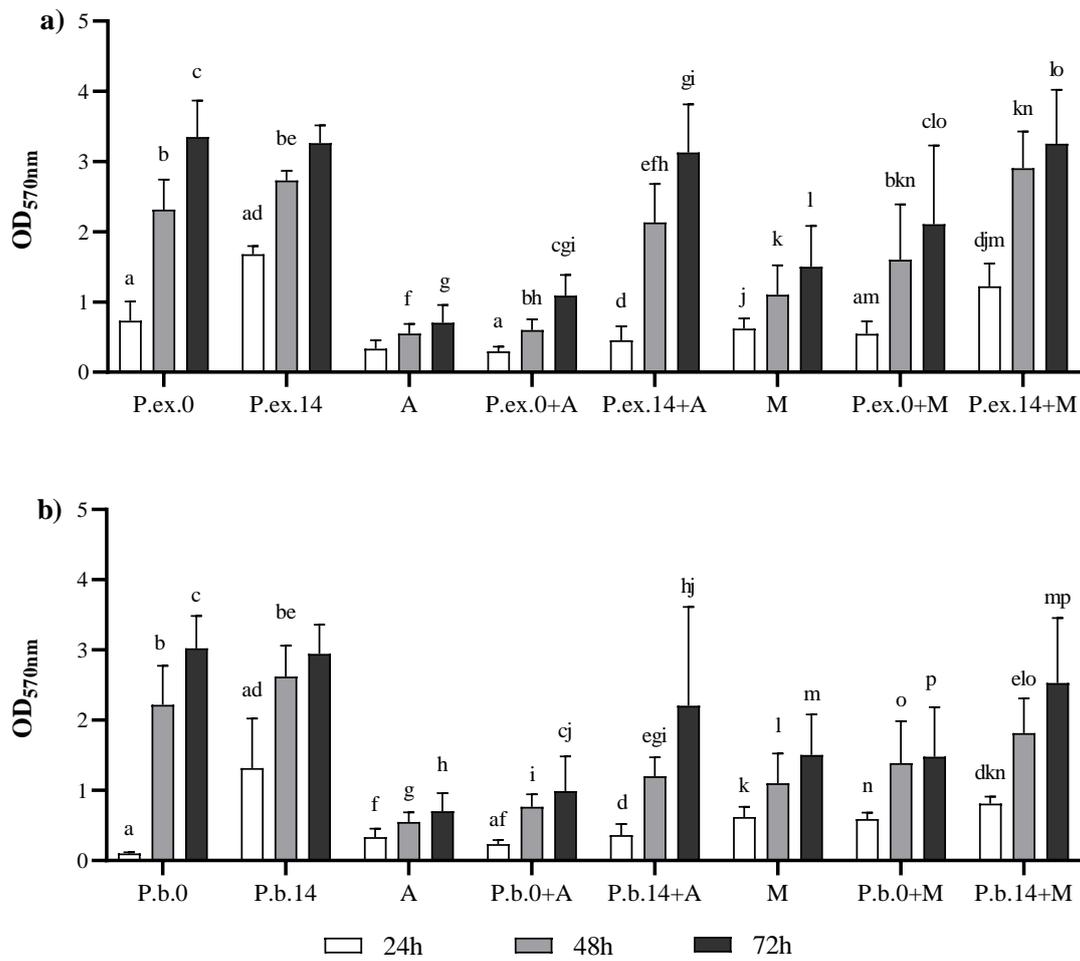


Figure S1. Biofilm mass quantification for single-species and inter-kingdom biofilm formation over time with *P. expansum* (a) or *P. brevicompactum* (b). Legend is as follows: ‘P.ex.0’ - *P. expansum* spores; ‘P.ex.14’ - *P. expansum* germinated spores at 14 hours; A - *A. calcoaceticus*; M - *M. oryzae*; ‘P.b.0’ - *P. brevicompactum* spores; ‘P.b.14’ - *P. brevicompactum* germinated spores at 14 hours. The means \pm SDs for three independent experiments are illustrated. Data labelled with the same letters represent significant differences at $P < 0.05$.

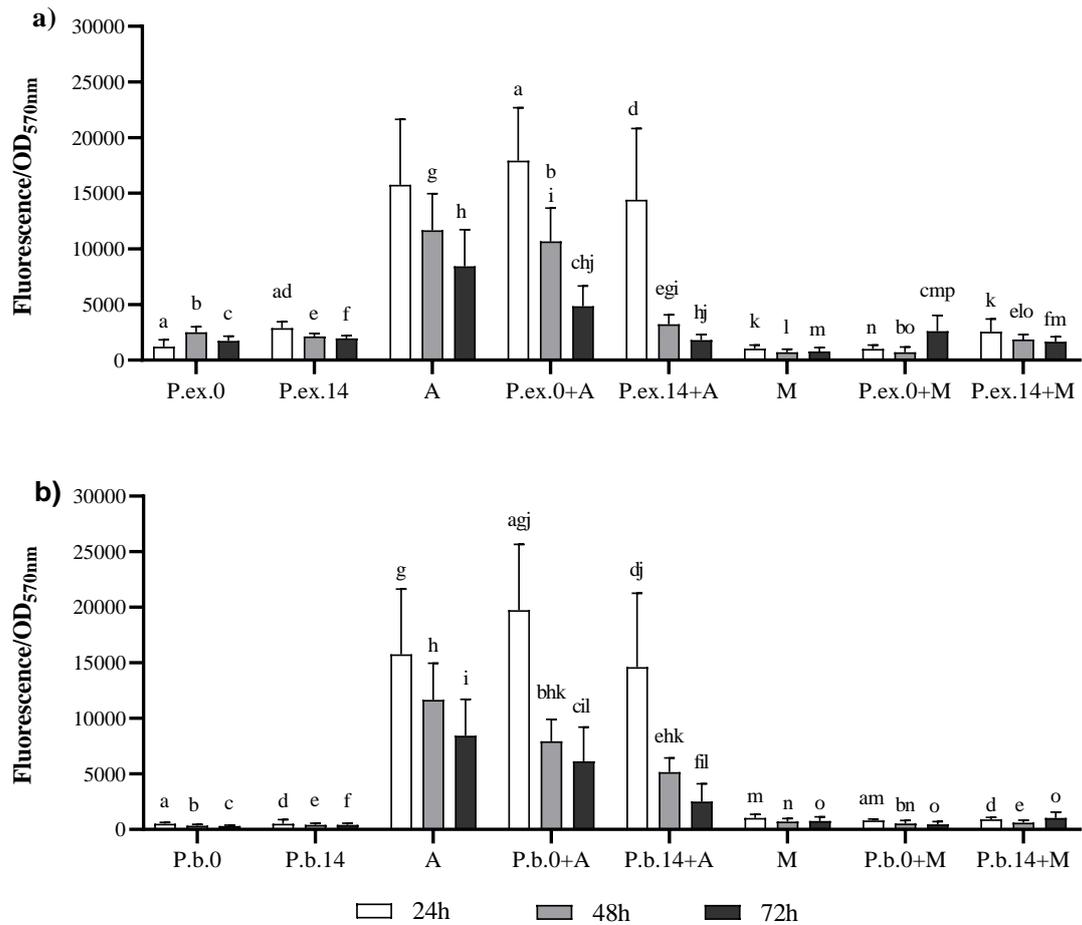


Figure S2. Specific metabolic activity for single-species and inter-kingdom biofilm formation over time with *P. expansum* (a) or *P. brevicompactum* (b). Legend is as follows: ‘P.ex.0’ - *P. expansum* spores; ‘P.ex.14’ - *P. expansum* germinated spores at 14 hours; A - *A. calcoaceticus*; M - *M. oryzae*; ‘P.b.0’ - *P. brevicompactum* spores; ‘P.b.14’ - *P. brevicompactum* germinated spores at 14 hours. The means \pm SDs for three independent experiments are illustrated. Data labelled with the same letters represent significant differences at $P < 0.05$.

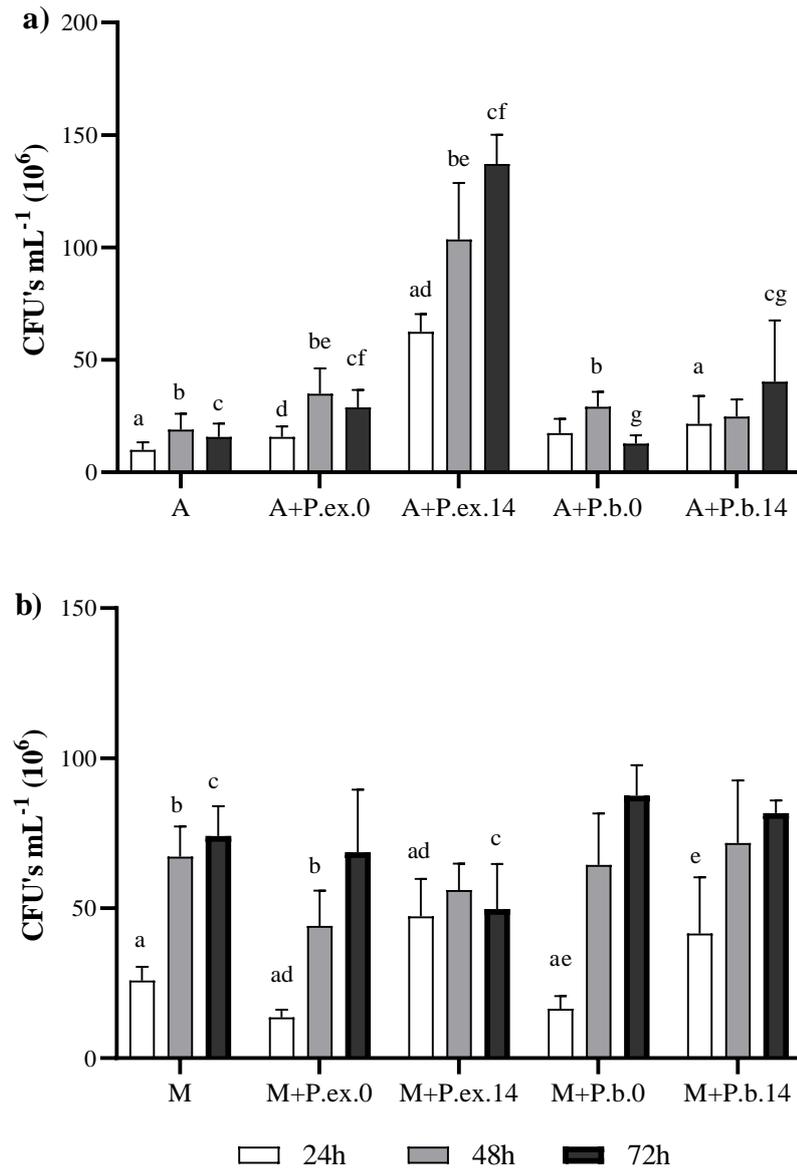
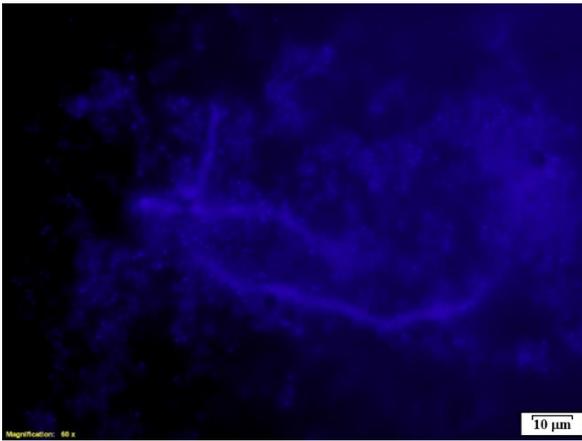
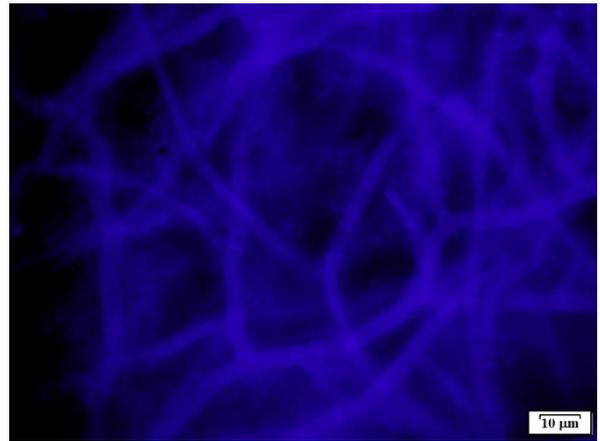


Figure S3. CFU counts for *A. calcoaceticus* (a) or *M. oryzae* (b) while forming single-species or inter-kingdom biofilm formation over time. Legend is as follows: A - *A. calcoaceticus*; M - *M. oryzae*; 'P.ex.0' - *P. expansum* spores; 'P.ex.14' - *P. expansum* germinated spores at 14 hours; 'P.b.0' - *P. brevicompactum* spores; 'P.b.14' - *P. brevicompactum* germinated spores at 14 hours. The means \pm SDs for two independent experiments are illustrated. Data labelled with the same letters represent significant differences at $P < 0.05$.

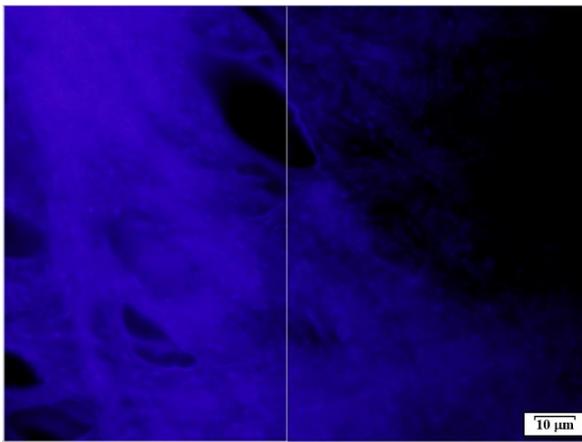
a)



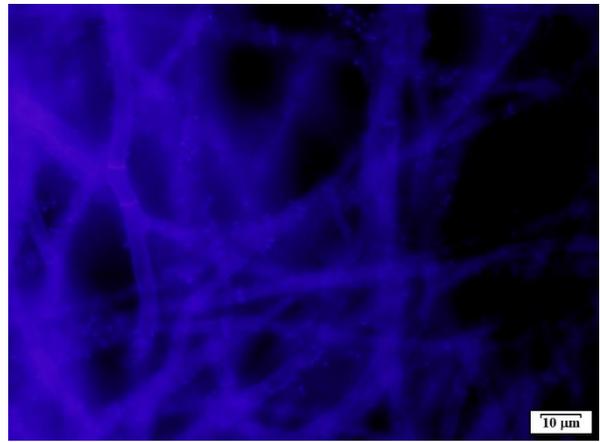
b)



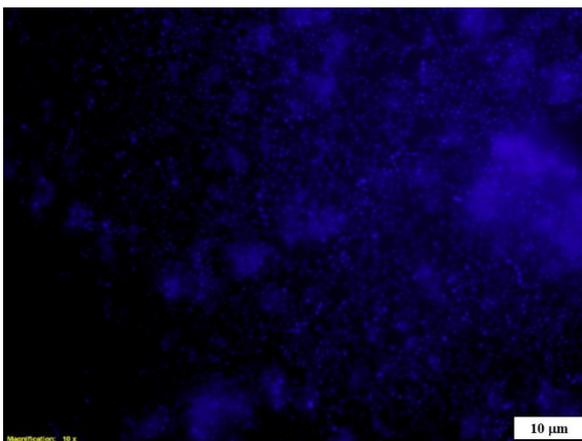
c)



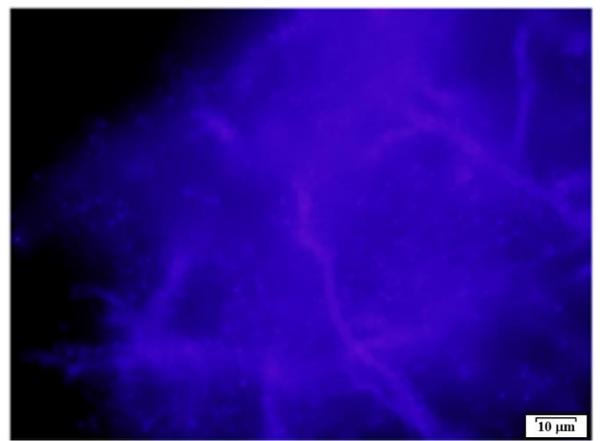
d)



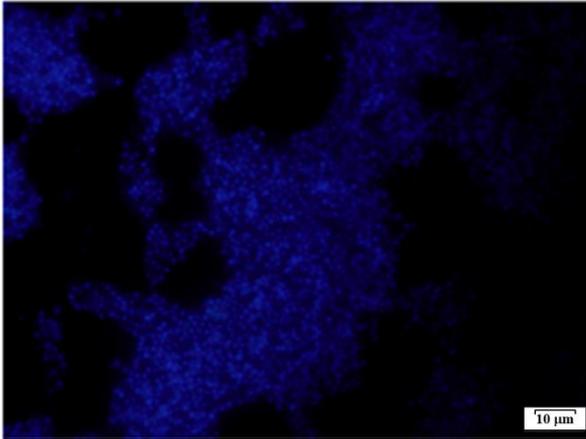
e)



f)



g)



h)

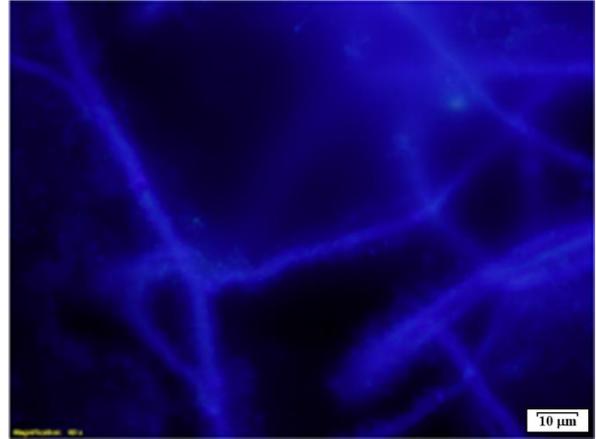
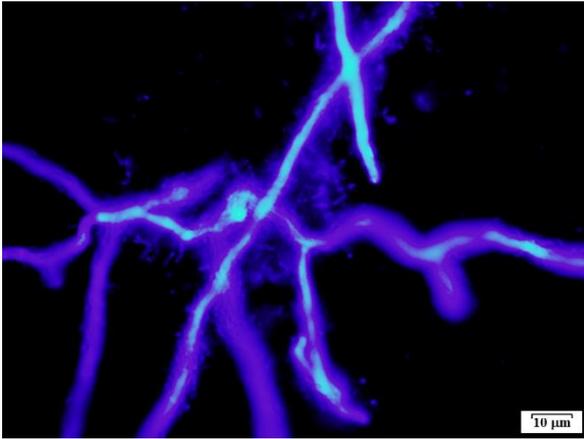
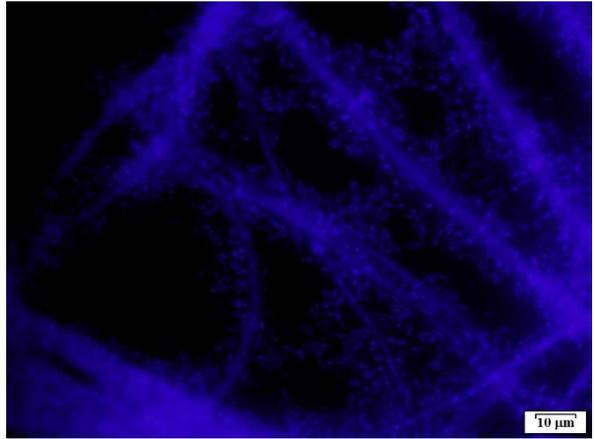


Figure S4. Epifluorescence photomicrographs of inter-kingdom biofilm formation with *A. calcoaceticus* on polystyrene over time with CW plus DAPI: (a) *A. calcoaceticus* + *P. expansum* spores at 24 hours; (b) *A. calcoaceticus* + *P. expansum* spores at 48 hours; (c) *A. calcoaceticus* + *P. expansum* germinated spores at 24 h; (d) *A. calcoaceticus* + *P. expansum* germinated spores at 48 h; (e) *A. calcoaceticus* + *P. brevicompactum* spores at 24 h; (f) *A. calcoaceticus* + *P. brevicompactum* spores at 48 h; (g) *A. calcoaceticus* + *P. brevicompactum* germinated spores at 24 h; (h) *A. calcoaceticus* + *P. brevicompactum* germinated spores at 48 h. $\times 600$ magnification/bar = 10 μm .

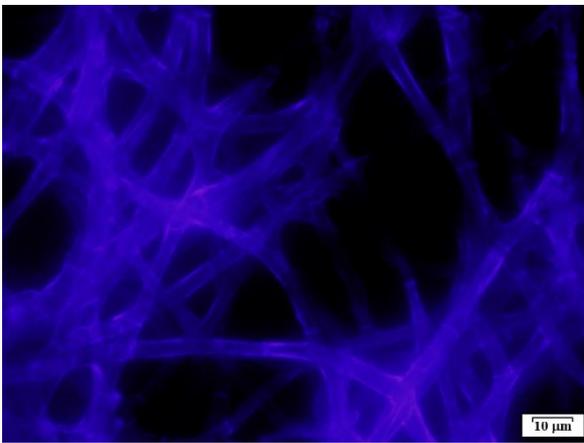
a)



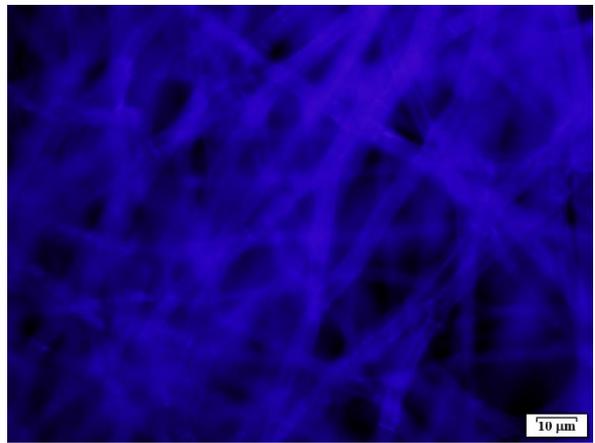
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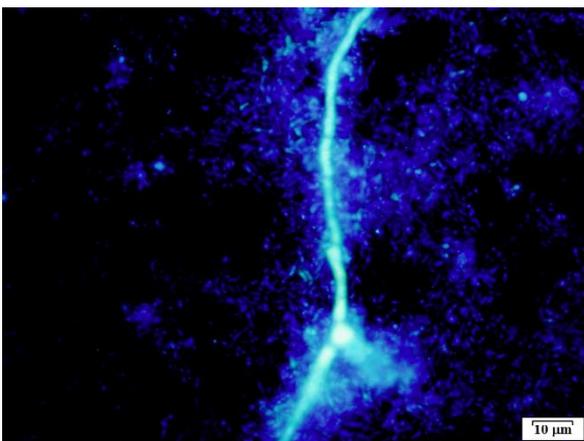
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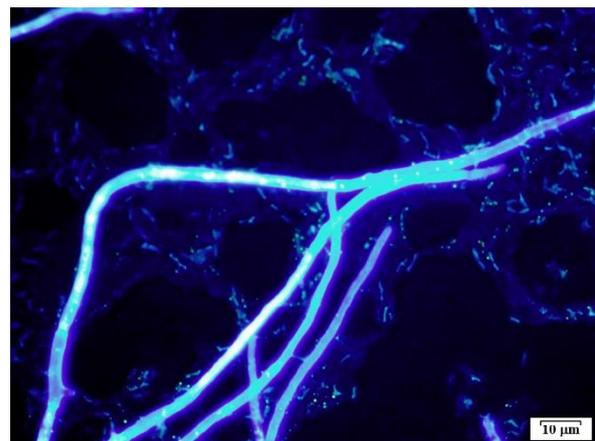
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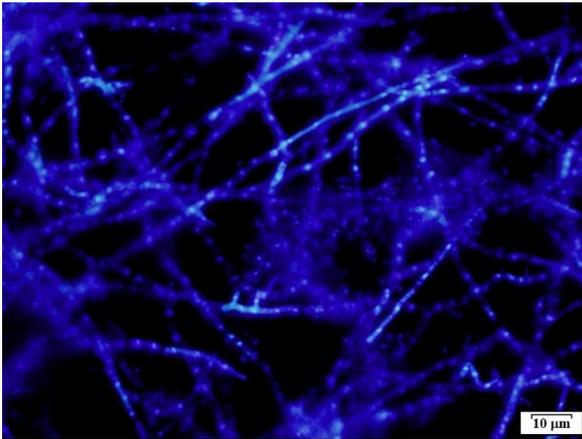
e)



f)



g)



h)

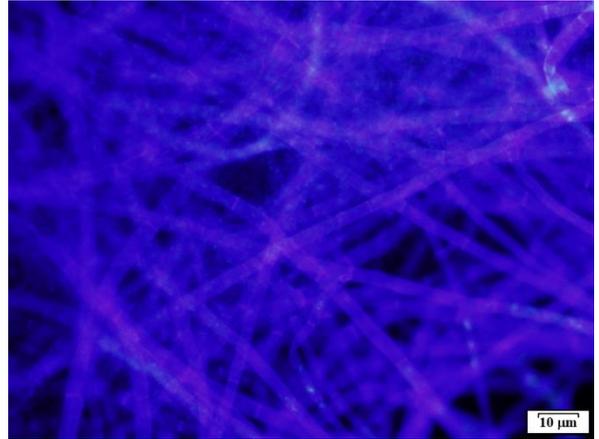


Figure S5. Epifluorescence photomicrographs of inter-kingdom biofilm formation with *M. oryzae* on polystyrene over time with CW plus DAPI: (a) *M. oryzae* + *P. expansum* spores at 24 hours; (b) *M. oryzae* + *P. expansum* spores at 48 hours; (c) *M. oryzae* + *P. expansum* germinated spores at 24 h; (d) *M. oryzae* + *P. expansum* germinated spores at 48 h; (e) *M. oryzae* + *P. brevicompactum* spores at 24 h; (f) *M. oryzae* + *P. brevicompactum* spores at 48 h; (g) *M. oryzae* + *P. brevicompactum* germinated spores at 24 h; (h) *M. oryzae* + *P. brevicompactum* germinated spores at 48 h. $\times 600$ magnification/bar = 10 μm .