Results and Conclusion: GM was found, as expected, in the hypheal AI cell wall but was very little in the ECM. GAG was also found in the cell wall but mainly formed a bound fibrillary network between the hyphae, showing the importance of this polysaccharide between cell-cell interaction and in the structure of ECM. GAG could be the surface receptor for Fn, which would promote strong adhesion between Fn and M in the biomimetic.

Sources:

S2.4a

Fungal biofilm and antimicrobials activity against Magnesiozymes spp.

Methods: The all-ten co-culture was prepared on an 8-chamber Lab-Tek dish as described previously. Anti-GAG and anti-GM polyclonal antibodies were used in the Apipholysin Test to monitor the fission of the 3D structure of GAG and GM in the ECM of the biofilm. These polysaccharides were analyzed by fluorescein microscopy confocal at 24 h.

Results and Conclusion: GM was found, as expected, in the hypheal AI cell wall but was very little in the ECM. GAG was also found in the cell wall but mainly formed a bound fibrillary network between the hyphae, showing the importance of this polysaccharide between cell-cell interaction and in the structure of ECM. GAG could be the surface receptor for Fn, which would promote strong adhesion between Fn and M in the biomimetic.

Sources:

S2.4e

Fungal biofilm and antimicrobials activity against Magnesiozymes spp.

Methods: The all-ten co-culture was prepared on an 8-chamber Lab-Tek dish as described previously. Anti-GAG and anti-GM polyclonal antibodies were used in the Apipholysin Test to monitor the fission of the 3D structure of GAG and GM in the ECM of the biofilm. These polysaccharides were analyzed by fluorescein microscopy confocal at 24 h.

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