

This is an Open Access document downloaded from ORCA, Cardiff University's institutional repository:<https://orca.cardiff.ac.uk/id/eprint/125667/>

This is the author's version of a work that was submitted to / accepted for publication.

Citation for final published version:

Fukasawa, Yu, Savoury, Melanie and Boddy, Lynne 2020. Ecological memory and relocation decisions in fungal mycelial networks: responses to quantity and location of new resources. *ISME Journal* 14 , pp. 380-388. 10.1038/s41396-019-0536-3

Publishers page: <http://dx.doi.org/10.1038/s41396-019-0536-3>

Please note:

Changes made as a result of publishing processes such as copy-editing, formatting and page numbers may not be reflected in this version. For the definitive version of this publication, please refer to the published source. You are advised to consult the publisher's version if you wish to cite this paper.

This version is being made available in accordance with publisher policies. See <http://orca.cf.ac.uk/policies.html> for usage policies. Copyright and moral rights for publications made available in ORCA are retained by the copyright holders.



Table 2 GLM_2 results explaining hyphal area ratio in bait-side of the inoculum 8 d after moved to new soil tray.

Variable	Estimate	Risk ratio
Inoculum volume	0.03*	1.03
Bait-side ratio in Period I	0.50**	1.64
Bait volume	0.003	1
Inoculum:Bait volume	-0.003	1
Distance	-0.02	0.98

All five variables were selected in the best model according to lowest AIC.

*, $P < 0.05$; **, $P < 0.01$.