

**Table S2.** Summary of paint-marked ants per colony in the fidelity experiment

Colony	Observation session	Number of source/entrance couple observed	Total number of marked ants	Total number of marked ants observed entering an entrance	Total number of marked ants observed at a food source
2	1	4	34	42	34
2	2	3	37	44	21
5	1	4	31	72	31
5	2	3	30	97	30