

S2 Table. List of experimental treatments. Text in bold denotes the variable of interest for each experiment. All mixed colonies contained a 1:1 ratio of each ant type.

Experiment	Worker genotype	Brood genotype	Age (cycles)	Subcaste	Colony size N	n replicates / composition	# colonies
Genetic composition 1	A, B, mixed	A	1	Regular workers	16	8	24
Genetic composition 2	A, B, mixed	B	1	Regular workers	16	8	24
Age composition	B	B	1, 3, mixed	Regular workers	16	8	24
Morphological composition	B	B	1	Regular workers, intercastes, mixed	8	16	48