

Type of Fixed Threshold Model (FTM)		Pure colonies		Mixed colonies		Behavioral change from pure to mixed colonies
		Mean task performance	Division of labor (DOL)	Mean task performance	Division of labor (DOL)	
Type of Fixed Threshold Model (FTM)	Simple FTM (with variation in mean response threshold only)	<i>Identical</i> across colonies of different ant types (P1)	Exhibits DOL	<i>Identical</i> to pure colonies (P1)	Higher DOL than in pure colonies (P2)	Behavioral <i>amplification</i> only (P3)
	Extended FTM (with variation in other biologically relevant params)	<i>Different</i> across colonies of different ant types (P4)	Exhibits DOL	<i>Different</i> from pure colonies (P4)	Higher DOL than in pure colonies (P2)	Behavioral <i>contagion</i> , <i>amplification</i> , or <i>neither</i> (P5)

 = experiments **agree** with prediction
 = experiments **disagree** with prediction