Possible decrease in brood production (7 days) Workers engorge (10 days) Mass queen rearing (14 days) Decrease feeding of queen (14 days) Rapid population growth						
Preparation	Swarm exodus	Migration	Bivouac	Swarm liftoff	Migration	Colonize new nest
Increase vibration of queen (14 days)	Possible queen pheromone	nharamana	Queen pheromone	Possible queen pheromone	Queen pheromone	Nasanov pheromone
Piping of queen (10 days)			Nasanov pheromone		Streaking	Scouts cluster at entrance
Piping of workers (10 days)			Waggle dances and stop signals			
Waggle dancing for nest sites			Piping of workers & queen (2 hours)			
Non-chemical signal Changes in colony condition Buzz-running (15 min)			Vibration of workers (1 hour)			
			Buzz-running (40 min)	Gro	ozinger, Richards, Mat	tila <i>Apidologi</i> e 2014