

Laying Workers vs Normal Workers

Factor	Normal worker	Laying worker
Number of ovarioles	2-20 – vestigial (undeveloped)	6-12 develop
Laying rate	Nil	Around 50 eggs / day
Spermatheca	None	None
Dufour's gland	Vestigial	Enlarges to produce queen like pheromones
Hypopharyngeal gland	Atrophied in older workers	Enlarged
Mandibular gland	Small	Enlarges and produces queen like pheromones
Egg position in cell	-	More than 1 per cell, stuck to walls, haphazard laying pattern
Colony temperament	Organised	Disorganised, defensive