**Table S1:** Each test for each colony group of ants that showed active (indicated by “**+**”) food-transport and burying under starved or fed conditions.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Observation | Colony  group | Starved | | | | | | | | |  | Fed | | | | | | | | |
| Real food | | | |  | False food | | | |  | Real food | | | |  | False food | | | |
| 1 | 2 | 3 | 4 |  | 1 | 2 | 3 | 4 |  | 1 | 2 | 3 | 4 |  | 1 | 2 | 3 | 4 |
| Food-burying | 1 |  |  |  |  |  |  |  |  |  |  | **+** | **+** |  | **+** |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  | **+** | **+** | **+** | **+** |  |  |  |  |  |
| 3 |  |  | **+** |  |  |  |  |  |  |  | **+** |  | **+** |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |  | **+** |  | **+** |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  | **+** | **+** | **+** | **+** |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Food-transport | 1 | **+** | **+** | **+** | **+** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | **+** | **+** | **+** | **+** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | **+** | **+** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | **+** | **+** | **+** | **+** |  |  |  |  |  |  | + |  |  |  |  |  |  |  |  |
| 5 | **+** | **+** | **+** | **+** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | **+** | **+** | **+** | **+** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | **+** |  | **+** | **+** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | **+** | **+** | **+** | **+** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |