

## Supplementary material

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**Comparison of bacterial microbiota of the predatory mite *Neoseiulus cucumeris* (Acari: Phytoseiidae) and its factitious prey *Tyrophagus putrescentiae* (Acari: Acaridae)**

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**Table S2. The description of the samples of predatory (*Neoseiulus cucumeris*) and prey (*Tyrophagus putrescentiae*) mites and the variables tested in the study.** The barcodes and samples ID in GenBank are provided. The sequences were deposited in SRA SRP074673 as bioproject PRJNA321085 in GenBank.

Sample code	Date collected	Species	Description	factor1	factor2	Sample ID.	Barcodes
BB1	3/26/2015	<i>N. cucumeris</i>	Mass-production population	pred	1	SAMN04959061	CTCGACGA
BB2	3/26/2015	<i>N. cucumeris</i>	Mass-production population	pred	1	SAMN04959062	CTCGTACG
BB3	3/26/2015	<i>N. cucumeris</i>	Mass-production population	pred	1	SAMN04959063	CTCGTGAT
BB4	3/31/2015	<i>N. cucumeris</i>	Lab population with disease symptoms	pred	2	SAMN04959064	CTCTAGCG
BB5	3/31/2015	<i>N. cucumeris</i>	Lab population with disease symptoms	pred	2	SAMN04959065	CTCTATTT
BB6	3/31/2015	<i>N. cucumeris</i>	Lab population with disease symptoms	pred	2	SAMN04959066	CTGCGTTG
Tyro 1	3/31/2015	<i>T. putrescentiae</i>	Pure culture (no <i>N. cucumeris</i> )	prey	3	SAMN04959080	CTCTGTGT
Tyro 2	3/31/2015	<i>T. putrescentiae</i>	Pure culture (no <i>N. cucumeris</i> )	prey	3	SAMN04959072	CTGAATCA
Tyro 3	3/31/2015	<i>T. putrescentiae</i>	Pure culture (no <i>N. cucumeris</i> )	prey	3	SAMN04959073	CTGACCCG
Tyro 4	3/31/2015	<i>T. putrescentiae</i>	Mites from <i>N. cucumeris</i> mass-production	prey	4	SAMN04959074	CTGACGGC
Tyro 5	3/31/2015	<i>T. putrescentiae</i>	Mites from <i>N. cucumeris</i> mass-production	prey	4	SAMN04959075	CTGAGCGT
Tyro 6	3/31/2015	<i>T. putrescentiae</i>	Mites from <i>N. cucumeris</i> mass-production	prey	4	SAMN04959076	CTGATAAC
Tyro 7	3/31/2015	<i>T. putrescentiae</i>	Mites from <i>N. cucumeris</i> mass-production	prey	4	SAMN04959077	CTGATAGC
Tyro 8	3/31/2015	<i>T. putrescentiae</i>	Mites from <i>N. cucumeris</i> mass-production	prey	4	SAMN04959078	CTGCCGCC
Tyro 9	3/31/2015	<i>T. putrescentiae</i>	Mites from <i>N. cucumeris</i> mass-production	prey	4	SAMN04959079	CTGCGAGG