

Supplementary Materials

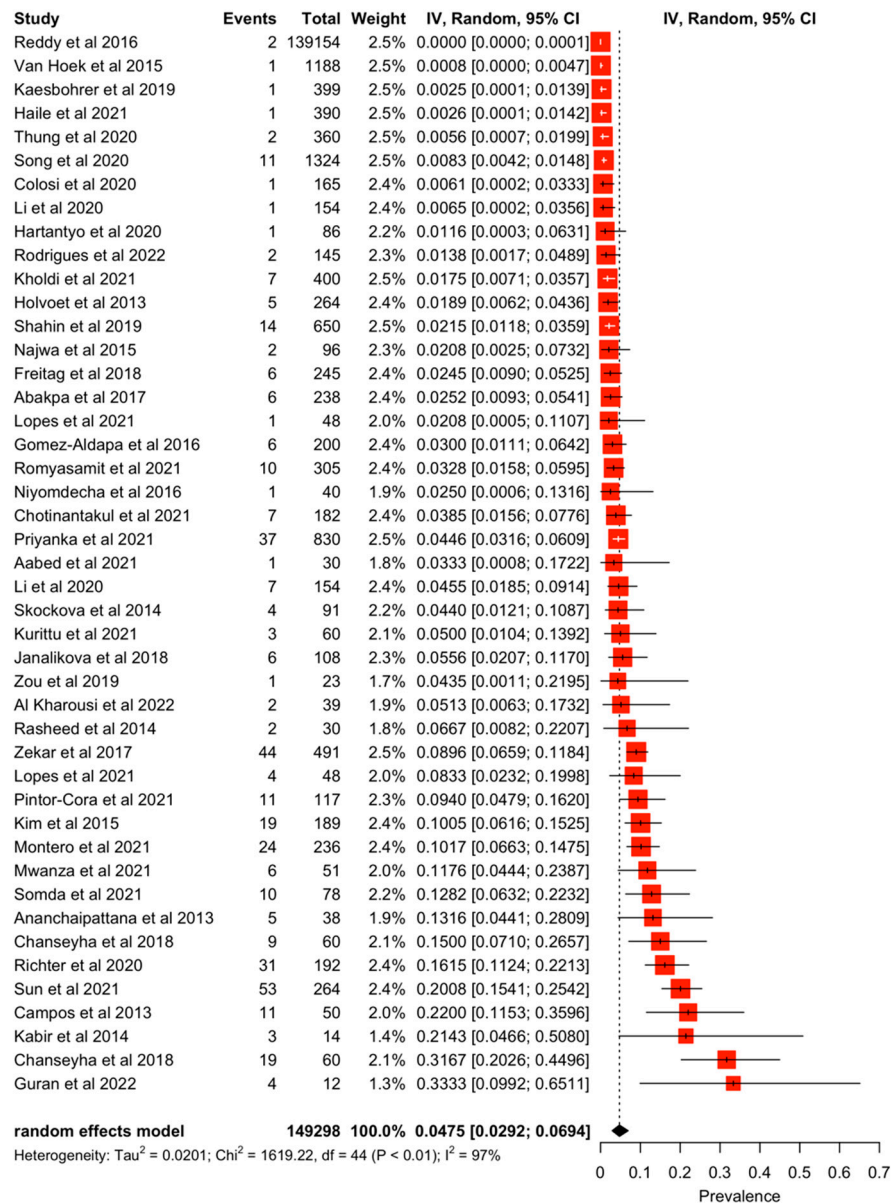


Figure S1: Forest Plot of Citations with Tetracycline and Third-Generation Cephalosporin Resistant Prevalence Estimates. The column titled 'Events' are the number of plant-food samples that were reported resistant to tetracycline and/or third-generation cephalosporin antimicrobials. The column titled 'Total' are the number of plant-food samples selected for antimicrobial susceptibility testing.

Table S1: Table of Included Citations.

Study	Country	Sample	Stage	Microbe name	Sample weight (g)	Interpretive Criteria	AMR	Resistant Samples	Total Samples	Prevalence (%)
Reddy <i>et al.</i> 2016	USA (imported)	green onion, lettuce	Post-harvest	<i>Salmonella</i> spp.	NA	Not reported	TET	2	139,154	0.001
van Hoek <i>et al.</i> 2016	Netherlands (imported)	celery, carrots, lettuce, endive, radish	Post-harvest	Enterobacteria ceae	60	CLSI (2012)	3GC	1	1,188	0.1
Kaesbohrer <i>et al.</i> 2019	Germany	vegetables	Post-harvest	<i>Escherichia coli</i>	25	CLSI (2013)	3GC	1	399	0.25
Haile <i>et al.</i> 2021	Ethiopia	lettuce	Post-harvest	<i>Escherichia coli</i>	25	CLSI (2014)	TET	1	390	0.25
Thung <i>et al.</i> 2020	Malaysia	brinjal, cucumber, ladies fingers	Pre-harvest	<i>Salmonella</i> spp.	25	CLSI (2012)	TET	2	360	0.56
Song <i>et al.</i> 2020	South Korea	leafy vegetables	Post-harvest	<i>Escherichia coli</i>	30	CLSI (no year reported)	3GC	11	1,324	0.83
Colosi <i>et al.</i> 2020	Romania	cucumbers	Post-harvest	<i>Escherichia coli</i>	2	EUCAST	3GC	1	165	0.6
Li et al 2020	China	bok choy, broccoli, bean sprout, celery, lotus root, cabbage, cucumber, clery, garlic sprout, leafy veg, chinese cabbage, black fungus	Post-harvest	<i>Escherichia coli</i>	25	EUCAST (2017)	3GC	1	154	0.006

Hartantyo <i>et al.</i> 2020	Singapore	bean sprouts, spring onions, chilis, parsley, lettuce, cucumbers, carrots, ginger	Post-harvest	<i>Klebsiella pneumonia</i>	10	CLSI (2014)	3GC	1	86	1.2
Rodrigues <i>et al.</i> 2022	Denmark, Ireland, Italy, France, Austria	salad leaf samples	Post-harvest	<i>Klebsiella pneumonia</i>	NA	EUCAST	TET	2	145	1.37
Kholdi <i>et al.</i> 2022	Iran	carrots, lettuce, cucumber, leafy greens	Post-harvest	<i>Escherichia coli</i>	25	CLSI (2017)	3GC	7	400	1.75
Holvoet <i>et al.</i> 2013	Belgium	lettuce	Pre-harvest	<i>Escherichia coli</i>	10	CLSI (2011)	TET	5	264	1.9
Shahin <i>et al.</i> 2019	Iran	vegetables	Post-harvest	<i>Shigella</i> spp.	10	CLSI (2015)	TET	14	650	2.2
Najwa <i>et al.</i> 2015	Malaysia	ulam (asian pennywort, water dropwort, long bean, winged bean)	Post-harvest	<i>Salmonella</i> spp.	10	CLSI	TET	2	96	2
Freitag <i>et al.</i> 2018	Germany, Netherlands	salad and sprouts	Post-harvest	<i>Escherichia coli</i>	25	CLSI (2013, 2015)	TET	6	245	2
Abakpa <i>et al.</i> 2017	Nigeria	salad vegetables	Pre-harvest	<i>Escherichia coli</i>	10	CLSI (2010)	TET	6	238	2.5
Lopes <i>et al.</i> 2021	Brazil	spinach, lettuce, arugula, cabbage	Post-harvest	<i>Escherichia coli</i> ; <i>Klebsiella pneumoniae</i>	4	CLSI (2018, 2020)/EUCAST	TET	1	48	2.1
Gomez-Aldapa <i>et al.</i> 2016	Mexico	nopalitos	Post-harvest	<i>Escherichia coli</i>	100	CLSI (2009, 2014)	TET	6	200	3

Romyasamit <i>et al.</i> 2021	Thailand	Thai yardlong beans, Thai eggplant, winged bean, cashew leaves, basil, cabbage, cucumber, tomato, coriander, lettuce	Post- harvest	<i>Escherichia coli</i> ; <i>Klebsiella</i> <i>pneumonia</i>	25	CLSI (2019)	TET & 3GC	10	305	3.3
Niyomdech <i>et al.</i> 2016	Thailand	lettuce	Post- harvest	<i>Salmonella</i> spp.	50	CLSI (2013)	TET	1	40	2.5
Chotinanta <i>et al.</i> 2022	Thailand	spring onion, sweet basil, cha-om, lemongrass, yard long beans, lettuce, holy basil	Post- harvest	<i>Escherichia coli</i>	20	CLSI (2019)	3GC	7	182	3.8
Priyanka <i>et al.</i> 2021	India	cabbage, coriander, fenugreek, spinach, peppermint vegetables	Post- harvest	<i>Salmonella</i> spp.	25	CLSI (no year reported)	TET & 3GC	37	830	4.5
Aabed <i>et al.</i> 2021	Saudi-Arabia	vegetables	Post- harvest	<i>Escherichia coli</i>	10	CLSI (no year reported)	3GC	1	30	3.3
Li <i>et al.</i> 2020	China	bok choy, broccoli, bean sprout, celery, lotus root, cabbage, cucumber, clery, garlic sprout, leafy veg, chinese	Post- harvest	<i>Escherichia coli</i>	25	EUCAST (2017)	TET	7	154	4.5

Skockova <i>et al.</i> 2013	Czech Republic (imported)	cabbage, black fungus asparagus, leaf lettuce, cauliflower, cucumber, spring onion, mung sprouts, rucola, leek, radish chinese cabbage	Post-harvest	<i>Escherichia coli</i>	NA	CLSI (2006)	TET	4	91	4.4
Kurittu <i>et al.</i> 2021	Malaysia	Coriander; chili pepper	Post-harvest	<i>Escherichia coli</i> ; <i>Klebsiella pneumonia</i>	25	EUCAST (2017)	3GC	3	60	5
Janalikova <i>et al.</i> 2018	Europe	vegetables	Post-harvest	<i>Escherichia coli</i>	10	EUCAST (2014)	3GC	6	108	5.5
Zou <i>et al.</i> 2019	China	beans, cucumber, peppers, celery, leeks	Pre-harvest	<i>Escherichia coli</i>	NA	CLSI (2016)	TET	1	23	4.3
Al-Kharousi <i>et al.</i> 2021	Oman	cabbage, lettuce, radish	Post-harvest	<i>Escherichia coli</i>	25	CLSI (2015)	TET	2	39	5.1
Rasheed <i>et al.</i> 2014	India	carrots, cucumber, tomatoes, spinach, lettuce, beets, radishes	Post-harvest	<i>Escherichia coli</i>	25	CLSI (2002)	3GC	2	30	6.67
Zekar <i>et al.</i> 2017	Algeria	mixed vegetables	Post-harvest	Enterobacteria ceae	25	CLSI (2013); EUCAST (2013)	3GC	44	491	8.96
Lopes <i>et al.</i> 2021	Brazil	spinach, lettuce, arugula, cabbage	Post-harvest	<i>Enterobacter cloaca</i> ; <i>Klebsiella pneumonia</i> ; <i>Escherichia coli</i>	4	CLSI (2018, 2020)/EUCAST	3GC	4	48	8.3

Pintor-Cora <i>et al.</i> 2021	Spain	carrot, coriander, escarole, lettuce, parsley, tomato		Enterobacteria ceae*	10	EUCAST	3GC	11	117	9.4
Kim <i>et al.</i> 2015	South-Korea	sprouts and salad	Post- harvest	<i>Escherichia coli</i> ; <i>Klebsiella</i> <i>pneumonia</i>	25	CLSI (2013)	3GC	19	189	10.1
Montero <i>et al.</i> 2021	Ecuador	vegetables and fruit	Pre- harvest	<i>Escherichia coli</i>	10	CLSI (2019)	TET	24	236	10.2
Mwanza <i>et al.</i> 2021	Tanzania	African spinach	Pre- harvest	<i>Escherichia coli</i>	10	CLSI (2013)	TET; 3GC	6	51	11.8
Somda <i>et al.</i> 2021	Burkina-Faso	lettuce	Pre- harvest	<i>Salmonella</i> spp.	NA	EUCAST (2017)	TET	10	78	12.8
Ananchaipat tana <i>et al.</i> 2014	Thailand	leafy vegetables	Post- harvest	<i>Salmonella</i> spp.	25	CLSI (no year reported)	TET	5	38	13.2
Chanseyha <i>et al.</i> 2018	Cambodia	green leaf lettuce	Post- harvest	<i>Escherichia coli</i> ; <i>Salmonella</i> spp.	25	CLSI (2013)	TET	9	60	15
Richter <i>et al.</i> 2020	South-Africa	cucumber, green beans, lettuce, spinach, tomatoes	Post- harvest	<i>Escherichia coli</i> ; <i>Klebsiella</i> <i>pneumoniae</i>	50	CLSI (2018)	TET & 3GC	31	192	16.1
Sun <i>et al.</i> 2021	China	onion, coriander, lettuce, cucumber, melon, grape, peach	Post- harvest	<i>Escherichia coli</i>	25	CLSI (2019)/EUCAS T (2019)	TET	53	264	20.1
Campos <i>et al.</i> 2013	Portugal	ready-to-eat salads	Post- harvest	<i>Escherichia coli</i>	25	CLSI (2011)	TET	11	50	22
Kabir <i>et al.</i> 2014	Bangladesh	cabbage, carrot, turnip	Post- harvest	<i>Escherichia coli</i>	10	CLSI (2011)	3GC	3	14	21.4

Chanseyha <i>et al.</i> 2018	Thailand	green leaf lettuce	Post- harvest	<i>Escherichia coli</i> ; <i>Salmonella</i> spp.	25	CLSI (2013)	TET	19	60	31.2
Guran et al 2021	Cyprus	banana, apple, lettuce, carrot	Post- harvest	<i>Escherichia coli</i>	40	EUCAST (2015)	TET	4	12	33.3

*The authors of Pintor-Cora *et al.* 2021 used the final taxonomic definition of Enterobacteriaceae prior to recent revision to the families within the order Enterobacterales.