

Table S1. Overview of 114 studies identified for full text screening, indicating which one was included (1) for particular analysis and reasons for exclusions.

Author	Eligible for qualitative analysis Q1, Q2	Eligible for quantitative analysis Q3	Excluded	Reasons for exclusion for qualitative/quantitative analysis	Eligible for ISO method question Q4	Reason for exclusion ISO method question
Adesiyun et al., (2014)	1	0	0		1	
Agunos et al., (2021)	1	0	0		1	
Aimey et al., (2013)	1	1	0		1	
Al-Nakhli, Al-Ogaily, & Nassar, (1999)	0	0	1	Not only for laying hens		
Altekruse, Koehler, Hickman-Brenner, Tauxe, & Ferris, (1993)	0	0	1	Study on phages		
Andoh et al., (2016)	1	0	0		1	
Arnold, Carrique-Mas, & Davies, (2010)	1	1	0		1	
Arnold, Carrique-Mas, McLaren, & Davies, (2011)	1	1	0		1	
Arnold, Martelli, McLaren, & Davies, (2014a)	1	1	0		1	
Arnold, Martelli, McLaren, & Davies, (2014b)	1	1	0		0	No details described for culture
Ayachi, Alloui, Bennoune, & Kassah-Laouar, (2010)	0	0	1	No laying hens		
Bouzidi et al., (2012)	1	0	0		1	
Carli, Eygor, & Caner, (2001)	0	0	1	No environmental samples		
Carrique-Mas, Breslin, Snow, et al., (2008)	1	0	0		1	
Carrique-Mas, Breslin, Sayers, et al., (2008)	1	0	0		1	
Castellan et al., (2004)	1	0	0		1	
Charlton et al., (2005)	1	0	0		1	
Chemaly et al., (2009)	0	0	1	No environmental samples		
Chousalkar, Gole, Caraguel, & Rault, (2016)	1	0	0		1	
Clep, (2014)	0	0	1	No laying hens		

Crabb, Gilkerson, & Browning, (2019)	1	0	0		1	
Dailey, Niemeier, Elkhoraibi, Senties-Cue, & Pitesky, (2017)	0	0	1	Samples outside farm		
R. H. Davies et al., (1997)	0	0	1	Hatchery		
R. Davies & Breslin, (2001)	1	1	0		1	
R. H. Davies & M. F. Breslin, (2003)	1	1	0		1	
R. Davies, Liebana, & Breslin, (2003)	1	1	0		1	
R. Davies & M. Breslin, (2003)	1	1	0		1	
R. Davies & Breslin, (2004)	1	0	0		1	
Davison, Benson, & Eckroade, (1995)	1	0	0		1	
Davison, Benson, Henzler, & Eckroade, (1999)	1	0	0		1	
Denagamage et al., (2016)	1	0	0		1	
Denagamage, Jayarao, Wallner-Pendleton, Patterson, & Kariyawasam, (2017)	0	0	1	No original data		
Dewaele et al., (2012)	1	0	0		1	
Diker et al., (2020)	1	0	0		1	
Fagbamila et al., (2017)	1	0	0		1	
Fotariya, Brahmabhatt, Nayak, & Patel, (2014)	0	0	1	Study for virulence genes		
Garber, Smeltzer, Fedorka-Cray, Ladely, & Ferris, (2003)	1	0	0		1	
Garcia, Anderson, Guard, Gast, & Jones, (2021)	1	0	0		1	
Gast, Mitchell, & Holt, (2004)	0	0	1	Different aim: Comparison of different culture media		
Gole, Caraguel, Sexton, Fowler, & Chousalkar, (2014)	1	1	0		1	
Gole, Torok, Sexton, Caraguel, & Chousalkar, (2014)	1	1	0		1	
Gole et al., (2017)	1	1	0		1	

Haque et al., (2021)	1	0	0		1	
Hao, Li, Wang, Zhang, & Cao, (2013)	1	0	0		1	
Hardy et al., (2019)	0	0	1	Hatchery, backyard flock		
Hasan & Lafta, (2021)	1	0	0		1	
Henzler, Ebel, Sanders, Kradel, & Mason, (1994)	1	0	0		1	
Henzler & Opitz, (1992)	1	0	0		1	
Henzler, Kradel, & Sisco, (1998)	1	0	0		1	
Humbert, Carraminana, Lalande, & Salvat, (1997)	0	0	1	Study at experimental facility		
Huneau-Salaun et al., (2009)	1	0	0		1	
Im et al., (2015)	1	0	0		1	
F. T. Jones, Rives, & Carey, (1995)	1	0	0		1	
D. R. Jones, Anderson, & Guard, (2012)	1	0	0		1	
D. R. Jones et al., (2015)	1	0	0		1	
D. R. Jones et al., (2016)	1	0	0		1	
Jouy et al., (2005)	1	0	0		1	
Kahya, Eyigor, & Carl, (2013)	0	0	1	No laying hens		
Kinde et al., (1996)	1	0	0		1	
Kinde et al., (2004)	1	0	0		0	No details described for culture
Kinde et al., (2005)	1	0	0		1	
Kinde et al., (2015)	0	0	1	Spiking experiments		
Kingsbury, Thom, Erskine, Olsen, & Soboleva, (2019)	1	0	0		1	
Klinkenberg, Thomas, Artavia, & Bouma, (2011)	0	0	1	Lack of raw data		
Kottwitz et al., (2013)	0	0	1	Different aim: serotype Salmonella strains		
Koutsoumanis et al., (2019)	0	0	1	No original data		
Leon-Velarde et al., (2004)	1	0	0		1	

Li, Liu, Li, Xu, & Zheng, (2018)	1	1	0		1	
Lopašovský et al., (2015)	1	0	0		0	No details described for culture
Mahe et al., (2008)	1	0	0		1	
Matsumoto, Miyama, & Murakami, (2001)	1	1	0		1	
McWhorter, Davos, & Chousalkar, (2015)	0	0	1	No original data		
McWhorter & Chousalkar, (2020)	1	0	0		1	
Moffatt et al., (2017)	0	0	1	No original data		
Moraes et al., (2016)	1	0	0		1	
Murakami, Horikawa, Ito, & Otsuki, (2001)	1	0	0		1	
Murase et al., (2001)	1	0	0		1	
Murase, Miyahara, Sato, Otsuki, & Holt, (2006)	0	0	1	Environmental samples not specified		
Mutalib, McDonough, Shin, Patten, & Lein, (1992)	1	0	0		1	
Pajic et al., (2015)	0	0	1	No environmental samples		
Pieskus, Kazeniauskas, Butrimaite-Ambrozeviciene, Stanevicius, & Mauricas, (2008)	1	0	0		1	
Pitesky, Charlton, Bland, & Rolfe, (2013)	1	0	0		0	No details described for culture
Poppe, Irwin, Forsberg, Clarke, & Oggel, (1991)	1	0	0		1	
Pulido-Landinez, Sanchez-Ingunza, Guard, & Nascimento, (2014)	0	0	1	No environmental samples		
Rodriguez, Fandino, Donado, Guzman, & Verjan, (2015)	1	0	0		1	
Salazar et al., (2019)	1	0	0		1	
Saravanan et al., (2015)	1	0	0		1	
Sasaki et al., (2012)	1	0	0		1	

Sasipreeyajan, Jerngklinchan, Koowatananukul, & Saitanu, (1996)	1	0	0		1	
Schulz et al., (2011)	1	0	0		1	
Sevilla-Navarro et al., (2018)	0	0	1	Different aim: study on Autophage		
P. Sharma et al., (2018)	1	0	0		1	
S. Sharma, Fowler, Pant, Singh, & Wilkins, (2021)	1	0	0		1	
Sheldon, Li, Payne, Santos, & Anderson, (2006)	1	0	0		1	
Shirota, Umali, Suzuki, & Katoh, (2012)	1	0	0		1	
Singh, Yadav, Tripathi, & Singh, (2013)	1	0	0		0	No details described for culture
Sivaramalingam, McEwen, Pearl, Ojkic, & Guerin, (2013)	0	0	1	No laying hens		
Snow et al., (2007)	1	0	0		1	
Sodagari et al., (2020)	1	0	0		1	
Soria et al., (2017)	1	1	0		1	
St. Amand, Cassis, King, & Christianson, (2017)	1	0	0		1	
Stocki et al., (2007)	1	0	0		0	No details described for culture
Sylejmani, Musliu, Ramadani, Sparagano, & Hamidi, (2016)	1	0	0		1	
Trawinska, Saba, Wdowiak, Ondrasovicova, & Nowakowicz-Debek, (2008)	0	0	1	No laying hens		
Van Hoorebeke et al., (2009)	1	1	0		1	
Van Hoorebeke et al., (2010)	1	1	0		1	
Wales, Breslin, & Davies, (2006a)	1	0	0		1	
Wales, Breslin, & Davies, (2006b)	1	1	0		1	

Wallner-Pendleton, Patterson, Kariyawasam, Trampel, & Denagamage, (2014)	1	0	0		1	
White, Schlosser, Benson, Maddox, & Hogue, (1997)	1	0	0		1	
Wilson, Chandry, Turner, Courtice, & Fegan, (2021)	1	0	0		0	No details described for culture
Yamane et al., (2000)	1	0	0		1	
Zhang, Yan, & Ryser, (2006)	1	0	0		1	
Zijpp, Mollenhorst, Berentsen, & Boer, (2006)	0	0	1	Discussion paper		

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