

Supplementary Table S1. Chigger mites collected from the captured field small mammals and *Orientia tsutsugamushi* detected using a nested PCR method in Hwaseong-si for 3 months in 2019 and 2020

Year	Collection time	Sample I.D. of small mammal	Collection sites	Total No. of the mites	No. of the tested mites	No. of the tested pools	No. of positive pools	Strains of <i>O. tsutsugamushi</i>	
2019	April	GG-HS190411-1-1	Rice field	44	22	1	0	-	
		GG-HS190411-1-2	Rice field	151	75	3	0	-	
		GG-HS190411-1-3	Rice field	131	65	2	0	-	
		GG-HS190411-2-1	Vegetable field	52	26	1	0	-	
		GG-HS190411-2-2	Vegetable field	348	173	6	0	-	
		GG-HS190411-3-1	Reservoir	113	56	2	1	Strain OI011	
		GG-HSw190411-3-2	Reservoir	13	7	4	0	-	
		GG-HS190411-3-3	Reservoir	124	62	3	0	-	
		GG-HS190411-4-1	Water way	218	109	4	0	-	
		GG-HS190411-4-2	Water way	8	4	1	0	-	
		October	GG-HS191001-1-1	Rice field	23	16	1	0	-
			GG-HS191001-1-2	Rice field	17	8	1	0	-
			GG-HS191001-2-1	Vegetable field	123	61	3	1	Boryong
			GG-HS191001-2-2	Vegetable field	47	23	1	0	-
			GG-HS191001-2-3	Vegetable Field	62	31	2	0	-
			GG-HS191001-3-1	Reservoir	0	0	0	0	-
	GG-HS191001-4-1		Water way	0	0	0	0	-	
	GG-HS191001-5-1		Hill	61	30	2	0	-	
	GG-HS191001-5-2		Hill	12	6	1	1	Boryong	
	GG-HS191001-5-3		Hill	38	19	1	0	-	
	November	GG-HS191106-1-1	Rice field	259	129	5	2	Jecheon	
		GG-HS191106-1-2	Rice field	156	79	53	1	Jecheon	
		GG-HS191106-2-1	Vegetable field	173	87	3	0	-	
		GG-HS191106-2-2	Vegetable field	21	11	1	0	-	
		GG-HS191106-2-3	Vegetable field	177	89	3	0	-	
		GG-HS191106-3-1	Reservoir	361	181	6	3	Jecheon	
		GG-HS191106-3-2	Reservoir	59	30	1	0	-	
		GG-HS191106-3-3	Reservoir	128	64	3	1	Jecheon	
		GG-HS191106-4-1	Water Way	178	89	3	1	Jecheon	
		GG-HS191106-4-2	Water Way	173	87	3	0	-	
		GG-HS191106-4-3	Water Way	248	125	5	0	-	
		GG-HS191106-5-1	Hill	107	54	2	0	-	
GG-HS191106-5-2		Hill	238	119	4	0	-		
Subtotal				3,863	1,937	81	11		
2020	April	GG-HS200406-1-1	Rice field	9	5	1	0	-	
		GG-HS200406-1-2	Rice field	1	1	1	0	-	
		GG-HS200406-4-1	Water way	27	14	1	0	-	
		GG-HS200406-4-2	Water way	58	30	1	0	-	
		GG-HS200406-4-3	Water way	69	39	3	0	-	
		GG-HS200406-5-1	Hill	312	156	5	0	-	
	October	GG-HS201028-1-1	Rice field	412	206	7	0	-	
		GG-HS201028-1-1	Rice field	350	173	6	0	-	
		GG-HS201028-4-1	Water way	482	241	8	1	Taguchi	
		GG-HS201028-4-2	Water way	21	10	1	0	-	
		GG-HS201028-4-3	Water way	220	110	4	1	Shimokoshi	
		GG-HS201028-4-4#	Water way	0	0	0	0	-	
		GG-HS201028-4-5	Water way	151	75	3	0	-	
		GG-HS201028-4-6	Water way	124	62	3	0	-	
		GG-HS201028-5-1	Hill	183	92	3	0	-	

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Supplementary Table S1. Continued

Year	Collection time	Sample I.D. of small mammal	Collection sites	Total No. of the mites	No. of the tested mites	No. of the tested pools	No. of positive pools	Strains of <i>O. tsutsugamushi</i>
	November	GG-HS201111-2-1	Vegetable field	220	110	4	2	Jecheon
		GG-HS201111-2-2	Vegetable field	214	107	4	0	-
		GG-HS201111-2-3#	Vegetable field	0	0	0	0	-
		GG-HS201111-3-1#	Reservoir	15	7	1	0	-
		GG-HS201111-3-2	Reservoir	101	50	2	0	-
		GG-HS201111-3-3	Reservoir	167	83	3	0	-
		GG-HS201111-4-1	Water way	149	74	3	1	Jecheon
		GG-HS201111-4-2	Water way	72	36	2	0	-
		GG-HS201111-5-1	Hill	46	23	1	0	-
		GG-HS201111-5-2	Hill	171	85	3	0	-
		GG-HS201111-5-3	Hill	94	47	2	0	-
	Sub-total			3,668	1,836	72	5	-
Total				7,531	3,773	153	16	-

[#]Species of *Crocidura lasiura*.