

**Table S2.** Univariate analysis of risk factors for COVID-19 in PSPFs and MSPFs

Characteristic	PSPFs				MSPFs			
	No. of workers	No. of patients	OR (95% CI)	<i>p</i>	No. of workers	No. of patients	OR (95% CI)	<i>p</i>
Type of employer								
Contractor <sup>a)</sup> employee	375	26	Ref.	181	52	Ref.		
Subcontractor <sup>b)</sup> employee	517	91	2.87 (1.81–4.53)	<0.001***		101	0.73 (0.49–1.07)	0.109
External worker <sup>c)</sup>	257	5	0.27 (0.10–0.70)	<0.266	231	5	0.06 (0.02–0.14)	<0.001***
Working area								
Office	86	7	Ref.	87	4	Ref.		
Harvest	45	18	7.52 (2.83–19.97)	<0.001***	29	8	7.91 (2.17–28.78)	0.002*
By-product processing	44	7	2.14 (0.70–6.53)	0.184	180	80	16.60(5.84–47.22)	<0.001***
Refrigeration/freezing	95	12	1.63 (0.31–4.36)	0.328	78	4	1.12 (0.27–4.64)	0.874
Carcass cutting	115	15	1.69 (0.66–4.35)	0.275	79	30	12.70 (4.22–38.22)	<0.001***
Meat processing	420	58	1.81 (0.80–4.11)	0.157	236	23	2.24 (0.75–6.68)	0.147
Inspection	19	2	1.33 (0.25–6.96)	0.737	32	1	0.67 (0.07–6.22)	0.724
Others <sup>d)</sup>	325	3	0.11 (0.33–0.42)	0.001**	137	8	1.29 (0.38–4.41)	0.688
Residence								
Private home	726	30	Ref.		670	86	Ref.	
Dormitory	423	92	6.45 (4.19–9.94)	<0.001***	188	72	4.22 (2.91–6.11)	<0.001***

Data were adjusted for variables, specifically for type of employer, working area, and residence, using logistic regression analysis.

PSPF, poultry slaughtering and processing facility; MSPF, mammal slaughtering and processing facility; OR, odds ratio; CI, confidence interval; Ref. reference.

<sup>a)</sup>A company that performs work on a contract basis and arranges to supply materials. <sup>b)</sup>A company that signs a contract to perform part or all of obligations of contractor. <sup>c)</sup>Inspectors (i.e., veterinarian), restaurant staff, environmental service, security workers, etc. <sup>d)</sup>Workers performing tasks other than livestock slaughtering and processing livestock products.

\**p* < 0.05, \*\**p* < 0.01, \*\*\**p* < 0.001.