

1 **TABLE 1 Positive rates (%) of three lineages of CoVs in the samples collected**
2 **from four host species in 2019.**

	Chickens	Ducks	Geese	Pigeons
IBV	98.97%(480/485)	0.82%(4/485)	0.21% (1/485)	
DuCoV	12.50%(9/72)	87.50% (63/72)		
PiCoV	22.22%(8/36)			77.78% (28/36)

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4 **TABLE 2 Number of samples and positive rate of three lineages of CoVs in each**
5 **province.**

Province	Number of samples	DuCoV	IBV	PiCoV	Total	Rate
Anhui	308	5	44	5	54	17.53%
Guangdong	267	9	12		21	7.87%
Guangxi	256	19	34	3	56	21.88%
Hebei	256	6	42		48	18.75%
Hubei	326	18	100		118	36.20%
Jilin	79		3	4	7	8.86%
Jiangsu	130	3	9	4	16	12.31%
Jiangxi	305	11	86	5	102	33.44%
Ningxia	177		12	2	14	7.91%
Qinghai	105		29		29	27.62%
Shanghai	160		16	7	23	14.38%
Sichuan	317		32	3	35	11.04%

Xizang	222		52	3	55	24.77%
Yunnan	252	1	14		15	5.95%
Total	3160	72	485	36	593	18.77%

6 **TABLE 3 Numbers of due-species infections and cross-species infections in the**
7 **samples collected from LPMs.**

	Due-species infections			Cross-species infections			Rate
	IBV	DuCoV	PiCoV	IBV	DuCoV	PiCoV	
retail markets(n=1280)	97	31	13	3	2	1	11.48%(147/1280)
wholesale markets(n=1495)	320	32	15	3	1	1	24.82%(371/1495)
slaughterhouse(n=245)	57				6		25.71%(63/245)
Poultry farms (n=140)	6					6	8.57%(12/140)