

## SUPPLEMENTARY MATERIAL

SUPPLEMENTARY TABLE S1. The location, ventilation rate, ventilation rate per person and infection rate of each room in two dormitories.

Zone	Room No.	Floor	Room ventilation (m <sup>3</sup> /h)	Ventilation rate per person (m <sup>3</sup> /h)	infection rate (%)
Hubei Province N zone	1	1	270	15	0
Hubei Province N zone	2	1	266	15.7	0
Hubei Province N zone	3	1	270	15	6
Hubei Province N zone	4	1	270	15	0
Hubei Province N zone	5	1	270	15	6
Hubei Province N zone	6	1	270	15	0
Hubei Province N zone	7	1	270	15	6
Hubei Province N zone	8	1	230	12.8	6
Hubei Province N zone	9	1	169	14.1	0
Hubei Province N zone	10	1	169	14.1	8
Hubei Province N zone	11	1	510	15.9	9
Hubei Province N zone	12	2	537	31.6	41
Hubei Province N zone	13	2	527	32.9	25
Hubei Province N zone	14	2	537	31.6	18
Hubei Province N zone	15	2	547	30.4	22
Hubei Province N zone	16	2	547	30.4	33
Hubei Province N zone	17	2	547	30.4	17
Hubei Province N zone	18	2	547	30.4	56
Hubei Province N zone	19	2	495	27.5	6
Hubei Province N zone	20	2	364	30.3	17
Hubei Province N zone	21	2	364	30.3	17
Hubei Province N zone	22	2	1,029	33.2	19
Hubei Province N zone	23	3	554	30.8	17
Hubei Province N zone	24	3	554	30.8	22
Hubei Province N zone	25	3	554	30.8	11
Hubei Province N zone	26	3	554	30.8	39
Hubei Province N zone	27	3	554	30.8	22
Hubei Province N zone	28	3	554	30.8	50
Hubei Province N zone	29	3	554	30.8	17
Hubei Province N zone	30	3	500	27.8	11
Hubei Province N zone	31	3	368	30.7	25
Hubei Province N zone	32	3	379	29.2	46
Hubei Province N zone	33	3	573	28.6	25
Hubei Province N zone	34	3	904	45.2	20
Hubei Province N zone	35	4	480	24	35
Hubei Province N zone	36	4	480	24	15
Hubei Province N zone	37	4	480	24	20
Hubei Province N zone	38	4	466	25.9	22
Hubei Province N zone	39	4	474	25	21
Hubei Province N zone	40	4	480	24	30

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Zone	Room No.	Floor	Room ventilation (m <sup>3</sup> /h)	Ventilation rate per person (m <sup>3</sup> /h)	infection rate (%)
Hubei Province N zone	41	4	480	24	30
Hubei Province N zone	42	4	429	21.4	20
Hubei Province N zone	43	4	306	25.5	17
Hubei Province N zone	44	4	286	28.6	20
Hubei Province N zone	45	4	791	34.4	13
Hubei Province N zone	46	5	753	37.7	20
Hubei Province N zone	47	5	753	37.7	30
Hubei Province N zone	48	5	753	37.7	10
Hubei Province N zone	49	5	753	37.7	0
Hubei Province N zone	50	5	753	37.7	10
Hubei Province N zone	51	5	753	37.7	0
Hubei Province N zone	52	5	753	37.7	10
Hubei Province N zone	53	5	693	34.6	15
Hubei Province N zone	54	5	495	41.2	17
Hubei Province N zone	55	5	495	41.2	8
Hubei Province N zone	56	5	1,454	39.3	8
Hubei Province N zone	57	6	348	18.3	26
Hubei Province N zone	58	6	348	18.3	21
Hubei Province N zone	59	6	348	18.3	16
Hubei Province N zone	60	6	348	18.3	16
Hubei Province N zone	61	6	348	18.3	5
Hubei Province N zone	62	6	348	18.3	21
Hubei Province N zone	63	6	348	18.3	11
Hubei Province N zone	64	6	309	16.3	11
Hubei Province N zone	65	6	223	18.6	17
Hubei Province N zone	66	6	223	18.6	0
Hubei Province N zone	67	6	645	20.2	0
Hubei Province N zone	68	2	1,679	52.5	13
Hubei Province N zone	69	2	1,749	56.4	23
Hubei Province N zone	70	2	1,788	54.2	12
Hubei Province N zone	71	2	1,749	56.4	26
Hubei Province N zone	72	2	1,740	49.7	20
Hubei Province N zone	73	3	1,020	35.2	0
Hubei Province N zone	74	3	1,093	36.4	17
Hubei Province N zone	75	3	1093	36.4	13
Hubei Province N zone	76	3	1,093	36.4	20
Hubei Province N zone	77	3	1,037	34.6	7
Hubei Province N zone	78	4	306	13.9	9
Hubei Province N zone	79	4	378	12.6	17
Hubei Province N zone	80	4	370	13.2	7
Hubei Province M zone	1	2	207	6.9	0
Hubei Province M zone	2	2	234	8.1	21

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Zone	Room No.	Floor	Room ventilation (m <sup>3</sup> /h)	Ventilation rate per person (m <sup>3</sup> /h)	infection rate (%)
Hubei Province M zone	3	2	229	8.5	4
Hubei Province M zone	4	2	236	7.9	0
Hubei Province M zone	5	2	204	7	0
Hubei Province M zone	6	3	230	7.2	9
Hubei Province M zone	7	3	263	8	18
Hubei Province M zone	8	3	260	8.1	0
Hubei Province M zone	9	3	263	8	21
Hubei Province M zone	10	3	232	7	3
Shandong Province	1	2	152	19	50
Shandong Province	2	2	147	18.3	88
Shandong Province	3	2	129	16.1	75
Shandong Province	4	2	147	18.4	50
Shandong Province	5	2	129	16.2	100
Shandong Province	6	2	140	17.4	100
Shandong Province	7	2	157	22.4	71
Shandong Province	8	2	202	20.2	80
Shandong Province	9	2	172	14.3	100
Shandong Province	10	2	191	17.4	73
Shandong Province	11	3	227	32.4	100
Shandong Province	12	3	182	22.8	88
Shandong Province	13	3	178	19.8	89
Shandong Province	14	3	174	24.9	29
Shandong Province	15	3	177	22.1	63
Shandong Province	16	3	174	21.7	63
Shandong Province	17	3	173	14.4	92
Shandong Province	18	3	180	15	100
Shandong Province	19	3	187	17	82
Shandong Province	20	3	164	13.7	83
Shandong Province	21	4	218	31.2	71
Shandong Province	22	4	175	25	43
Shandong Province	23	4	222	31.8	29
Shandong Province	24	4	193	27.6	100
Shandong Province	25	4	246	22.3	91
Shandong Province	26	4	164	20.4	38
Shandong Province	27	4	166	15.1	100
Shandong Province	28	4	209	23.3	67
Shandong Province	29	4	205	22.7	67
Shandong Province	30	4	155	12.9	42