		FR to AB A							FR to AB B										
Wuhan-Hu-1 -		7.05	63.59	63.59	0.95	2.31	37.04		222.01	Wuhan-Hu-1		2.93	31.98	31.98	12.17	7.75	34.62	149.10	94.19
Alpha - Beta -		1.00 52.82	1.00	52.82 1.00	8.07 65.15	9.52	28.02	79.11	96.84	Alpha -	- 2.93 - 31.98	28.22	1.00	1.00	15.46 48.05	10.91	9.21	142.00 88.74	88.66 47.13
Gamma -		52.82	1.00	1.00	65.15	67.36	56.98	79.11	96.84	Gamma -		28.22	1.00	1.00	48.05	42.21	9.21	88.74	47.13
Delta -	0.95	8.07	65.15	65.15	1.00	2.48	38.34	192.49	225.08	Delta -	- 12.17	15.46	48.05	48.05	1.00	14.22	51.00	134.98	117.83
Lambda -	2.31	9.52	67.36	67.36	2.48	1.00	40.20	199.76	229.43	Lambda -	- 7.75	10.91	42.21	42.21	14.22	1.00	45.05	168.40	109.24
Mu -	37.04	28.02	56.98	56.98	38.34	40.20	1.00	181.16	134.98	Mu -	- 34.62	30.78	9.21	9.21	51.00	45.05	1.00	106.12	44.26
Omicron -	193.00	173.71	79.11	79.11	192.49	199.76	181.16	1.00	228.07	Omicron ·	149.10	142.00	88.74	88.74	134.98	168.40	106.12	1.00	161.95
PMS20 -	222.01		96.84	96.84 e		229.43	134.98 D M	228.07	1.00	PMS20	94.19 -	88.66 - <u>e</u>	47.13	47.13 <u>e</u>		109.24 <u>©</u>	44.26 - D W	161.95	,
	Wuhan-Hu-	Alpha	Beta	Gamma	Delta	Lambda	Σ	Omicron	PMS20		Wuhan-Hu-	Alpha	Beta	Gamma	Delta	Lambda	Σ	Omicron	PMS20
	8										8								
				FF	R to AB	С								FR	to AB	D1			
Wuhan-Hu-1 -		0.79	60.99	60.99	29.87	74.72	71.90	132.67	112.95	Wuhan-Hu-1		6.20	27.50	27.50	31.36	63.09	85.01	208.92	140.56
Alpha - Beta -	60.99	59.73	1.00	59.73 1.00	30.89	76.09 181.27	70.56 8.52	130.86	32.28	Alpha - Beta -	- 6.20 - 27.50	20.06	20.06	20.06	39.51 67.49	73.20 107.95	74.21 46.08	190.89	126.52 88.67
Gamma -		59.73	1.00	1.00	109.08	181.27	8.52	44.53	32.28	Gamma -		20.06	1.00	1.00	67.49	107.95	46.08	142.28	88.67
Delta -	29.87	30.89	109.08	109.08	1.00	40.07	123.25	190.22	176.56	Delta ·	- 31.36	39.51	67.49	67.49	1.00	25.81	143.04	300.47	216.01
Lambda -	74.72	76.09	181.27	181.27	40.07	1.00	200.33	306.52	272.06	Lambda -	- 63.09	73.20	107.95	107.95	25.81	1.00	201.74	403.81	292.33
Mu -	71.90	70.56	8.52	8.52	123.25	200.33	1.00	56.85	23.88	Mu -	- 85.01	74.21	46.08	46.08	143.04	201.74	1.00	253.93	30.03
Omicron -		130.86	44.53	44.53	190.22	306.52	56.85	1.00	87.96	Omicron -				142.28	300.47		253.93	1.00	334.69
PMS20 -	<u>'</u> .	ı	Beta -	32.28 e E	176.56 - ep	272.06 B PC	23.88 n W	87.96 - UOJ	1.00	PMS20	-1-	126.52 - Hopha	Beta -	88.67 - B	Delta -		30.03 _ D W	334.69 - UOJ	1.00
	Wuhan-Hu-1	Alpha	Ř	Gamma	De	Lambda	_	Omicron	PMS20		Wuhan-Hu	Alp	Be	Gamma	De	Lambda	_	Omicron	PMS20
	>										>								
1 00 - 100	7.61	10 -	20.5		to AB		25.0	258	117	•••	4.0	0.5	22.5		to AB		75	201	100
Wuhan-Hu-1 - Alpha -		1.00	26.81 6.45	26.81 6.45	2.42	3.07 22.78	35.35 13.62	252.06 195.54	82.50	Wuhan-Hu-1 - Alpha -		1.00	22.36 15.01	22.36 15.01	17.48	9.47	75.20 64.68	304.26 280.00	180.24
·	26.81	6.45	1.00	1.00	29.88	30.71	7.50	177.63	71.44		- 22.36	15.01	1.00	1.00	35.11	33.95	56.17	230.40	129.04
Gamma -	26.81	6.45	1.00	1.00	29.88	30.71	7.50	177.63	71.44	Gamma -	- 22.36	15.01	1.00	1.00	35.11	33.95	56.17	230.40	129.04
Delta -	2.42	22.00	29.88	29.88	1.00	2.47	38.63	254.12	122.66	Delta ·	- 10.43	17.48	35.11	35.11	1.00	7.25	93.47	312.66	209.46
Lambda -	3.07	22.78	30.71	30.71	2.47	1.00	39.51	262.88	124.08	Lambda ·	9.47	16.46	33.95	33.95	7.25	1.00	91.80	342.56	206.78
	35.35	13.62	7.50	7.50	38.63	39.51	1.00	198.44	60.62		75.20	64.68	56.17	56.17	93.47	91.80	1.00	415.98	59.95
Omicron - PMS20 -			71.44	177.63 71.44		124.08	198.44	1.00 355.81	1.00	Omicron · PMS20 ·		_		230.40 129.04		342.56 206.78	415.98 59.95	1.00 347.02	1.00
i 14132U -	, , , , , , , , , , , , , , , , , , ,	Alpha -	Beta -	. eamma	Delta -	- Lambda	- n W	Omicron -	PMS20 - 0.0	FIVIDZU ·	-1-	- Alpha	Beta -	- Bamma	Delta -	- Fampda	- n W	0micron	PMS20 - 00
	Wuhan-Hu-1	₹	ш	Gan	Δ	Lam		Omic	PM		Wuhan-Hu	A	ш	Gan	Δ	Lam		Omic	₽
Wuhan-Hu-1 -	1.00	1.00	11.15	FR 1	to AB E	19.77	39.76	46.46	100.67	Wuhan-Hu-1	- 1.00	23.02	49.64	FR 1	to AB	E2.2	38.98	236.38	95.88
	1.00		11.15			19.77		46.46				1.00	21.64			50.25	12.97	173.43	
Beta -	11.15	11.15	1.00	1.00	20.99	33.12	25.74	31.77	80.55	Beta -	- 49.64	21.64	1.00	1.00	65.14	82.76	19.94	124.80	30.90
Gamma -	11.15	11.15	1.00	1.00	20.99	33.12	25.74	31.77	80.55	Gamma ·	- 49.64	21.64	1.00	1.00	65.14	82.76	19.94	124.80	30.90
Delta -	8.86	8.86	20.99	20.99	1.00	11.58	52.13	57.20	118.44	Delta -	- 10.36	35.77	65.14	65.14	1.00	10.67	53.38	271.23	116.17
Lambda -	19.77	19.77	33.12	33.12	11.58	1.00	67.39	75.41	140.34	Lambda ·	- 22.14	50.25	82.76	82.76	10.67	1.00	69.75	310.84	139.24
	39.76			25.74	52.13	67.39	1.00	65.69	43.58		38.98	12.97	19.94	19.94	53.38	69.75	1.00	169.61	40.94
Omicron - PMS20 -			80.55	31.77 80.55		75.41 140.34		1.00	1.00	Omicron - PMS20 -		59.22	30.90	30.90		139.24		1.00	1.00
	Hu-1 -	Alpha -	Beta -	Gamma -	Delta -	nbda -	Mu -	icron -	PMS20 -		Hu-1 -	Alpha -	Beta -	mma -	Delta -	nbda -	Mu.	icron -	4S20 -
	Wuhan-H	4		Ga	_	Lam		Omic	g		Wuhan-	4		Gam	_	Lam		Omic	PΜ
						_													
Wuhan-Hu-1 -	1.00	2.26	9.74	FR 9.74	2.14	E3 2.14	11.36	44.70	25.36	Wuhan-Hu-1	- 1.00	4.22	14.85	FR 14.85	9.74	F1	16.65	119.52	68.11
Alpha -	2.26	1.00	7.32	7.32	4.44	4.44	8.90	41.51	22.59	Alpha -	- 4.22	1.00	10.20	10.20	14.37	12.24	11.93	110.64	61.30
Beta -	9.74	7.32	1.00	1.00	12.09	12.09	5.00	31.86	14.23	Beta -	- 14.85	10.20	1.00	1.00	26.04	23.69	5.94	91.14	46.37
Gamma -		7.32	1.00	1.00	12.09	12.09	5.00	31.86	14.23	Gamma		10.20	1.00	1.00	26.04	23.69	5.94	91.14	46.37
Delta - Lambda -		4.44	12.09	12.09 12.09	3.38	1.00	13.74	42.96 47.80	28.04 28.04	Delta - Lambda -	- 9.74 - 7.69	14.37 12.24	26.04	26.04	7.23	7.23 1.00	28.01	120.46 136.41	84.48 81.04
	11.36	8.90	5.00	5.00	13.74	13.74	1.00	38.45	12.57		- 16.65	12.24	5.94	5.94	28.01	25.62	1.00	136.41	44.11
Omicron -		41.51	31.86	31.86	42.96	47.80	38.45	1.00	39.30	Omicron -		110.64	91.14	91.14		136.41		1.00	122.97
PMS20 -	25.36	22.59	14.23	14.23	28.04	28.04	12.57	39.30	1.00	PMS20	68.11	61.30	46.37	46.37	84.48	81.04	44.11	122.97	1.00
	Wuhan-Hu-1 -	Alpha -	Beta -	Gamma -	Delta -	Lambda -	Μ	Omicron -	PMS20 -		an-Hu-1 -	Alpha -	Beta -	Gamma -	Delta -	Lambda -	Μ	Omicron -	PMS20 -
	Wuh					-		J			Wuhan					-		J	
				FR	to AB	F2								FR	to AB	F3		-	
Wuhan-Hu-1 -	1.00	4.25	14.83	14.83	1.60	2.28	16.18	114.52	38.57	Wuhan-Hu-1	- 1.00	37.94	106.76	106.76	5.38	4.98	59.76	798.65	252.71
Alpha -	4.25	1.00	10.15	10.15	5.92	6.64	11.44	105.77	32.91	Alpha -	- 37.94	1.00	49.89	49.89	45.36	44.81	15.82	551.48	155.70
	14.83	10.15	1.00	1.00	16.67	17.46	9.37	86.81	20.67		- 106.76	49.89	1.00	1.00	117.88	117.06	42.42	334.63	70.59
Gamma - Delta -		5.92	1.00	1.00	1.00	17.46 2.31	9.37	86.81 114.47	20.67	Gamma · Delta ·	- 106.76 - 5.38	49.89 45.36	1.00	1.00	1.00	117.06 4.75	42.42 68.35	334.63 800.63	70.59
Lambda -		6.64	17.46	17.46	2.31	1.00	18.83	114.47	41.73	Lambda -		44.81		117.88	4.75	1.00	67.72	843.41	271.68
		22.44	9.37	9.37	18.03	18.83	1.00	104.32	19.27	Mu -	- 59.76	15.82	42.42	42.42	68.35	67.72	1.00	519.01	120.77
Mu -	16.18	11.44	3.37																
Mu - Omicron -			86.81	86.81		119.42	104.32	1.00	114.30	Omicron ·	798.65	551.48	334.63	334.63	800.63	843.41	519.01	1.00	406.92
	114.52	32.91	20.67	20.67	114.47 40.78	41.73	19.27	114.30	1.00			155.70	70.59	70.59	271.68	270.27	120.77	406.92	1.00
Omicron -	114.52	105.77	86.81	86.81	114.47							_							