

Supplementary Table 1. Demographic and laboratory characters of Covid-19 cases according to genotype distribution:

	SNP1 (rs12979860)			SNP 2 (rs17047200)			SNP 3 (rs4618569)			Test of significance
	TT <i>n</i> = 19	TC <i>n</i> = 59	CC <i>n</i> = 63	AA <i>n</i> = 94	TA <i>n</i> = 37	TT <i>n</i> = 10	AA <i>n</i> = 66	AG <i>n</i> = 56	GG <i>n</i> = 19	
Sex Male 85(60.3%) Female 56 (39.7%)	12(63.2%) 7(36.8%)	36(61%) 23(39%)	37(58.7%) 26(41.3%)	55(58.5%) 39 (41.5%)	22(59.5%) 15(%)	8(80%) 2(20%)	44(66.7%) 22 (33.3%)	29(51.8%) 27 (48.2%)	12(63.2%) 7 (36.8%)	X ² =.142, P1=.931 X ² =1.758, P2=.415 X ² =2.878, P3=.237
Comorbidities +ve 81(57.4%) -ve 60(42.6%)	14(73.7%) 5(26.3%)	31(52.5%) 28(47.5%)	36(57.1%) 27(42.9%)	54(57.4%) 40(42.6%)	20(54.1%) 17(45.9%)	7(70%) 3(30%)	31(47%) 35 (53%)	37(66.1%) 19(33.9%)	13(68.4%) 6(31.6%)	X ² =2.632, P1=.268 X ² =.819, P2=.664 X ² =5.604, P3=.061
Severity Mild(<i>n</i> = 82) Severe(<i>n</i> = 11) Critical(<i>n</i> = 84)	9 (47.4%) 0(0%) 9 (10.7%)	32 (54.2%) 3 (27.2%) 32 (38%)	41 (65.1%) 8 (72.8%) 43 (57.1%)	58 (61.7%) 0 (0%) 60 (71.4%)	21 (56.8%) 2(9.2%) 21 (25%)	3(30%) 0(0%) 7 (8.3%) 0	46(69.7%) 9(81.8%) 48(57.1%)	22(39.3%) 2(17.8%) 34(40.5%)	14(73.7%) 0(0%) 5(5.09%)	X ² =2.522, P1=.283 X ² =3.773, P2=.152 X ² =13.689,

										P3=.001*
Ventilation +ve 54 (38.3%) -ve 87 (61.7%)	9 (47.4%) 10(52.6 %)	24 (40.7%) 35 (59.3%)	21 (33.3%) 42(66.7%)	31 (33%) 63 (67%)	16 (43.2%) 21 (56.8%)	7 (70%) 3 (30%)	17(25.8 %) 49(74.2 %)	32 (57.1%) 24(42.9 %)	5 (26.3%) 14 (73.7%)	X ² =1.460, P1=.482 X ² =5.761, P2=.056 X ² =13.963, P3=.001*
Outcome Recovery 63 (44.7%) Recurrence 30 (21.3%) Death 48 (34%)	5(26.3 %) 6(31.6 %) 8(42.1 %)	27(45.8 %) 9(15.3%) 23(39%)	31(49.2%) 15(23.8%) 17(27%)	47 (50%) 18(19.1%) 29(30.9%)	13(35.1%) 10(27%) 14(37.8%)	3(30%) 2(20%) 5(50%)	33(50%) 17(25.8. 3%) 16(24.2 %)	20(35.7 %) 7 (12.5%) 29(51.8 %)	10(52.6 %) 6(31.6 %) 3(15.8 %)	X ² =5.590, P1=.232 X ² =3.801, P2=.434 X ² =14.193, P3=.007*
Age/years	35±14.8	37.5±21. 2	38±21.5	35.2±21.9	41.5±18.2	42.9±9. 7	39.1±20 .5	35.5±20. 5	36.9±20 .8	F1=.159, P1=.853 F2=1.640, P2=.198 F3=.457, P3=.634

TLC (thousands/cm m)	72.16	69.64	71.92	66.7	79.59	79.65	67.65	74.79	71.47	Kw1=.113, P1=.945 Kw2=3.143, P2=.208 Kw3=.931, P3=.628
Ferritin(ng/mL)	72.74	68.78	72.56	70.74	67.70	85.60	69.38	72.58	71.97	Kw1=.301, P1=.860 Kw2=1.526, P2=.466 Kw3=.199, P3=.905
Lymphocytes (x10⁹/L)	61.71	74.47	70.55	76.01	60.07	64.40	72.42	70.50	67.55	Kw1=1.429, P1=.490 Kw2=4.357, P2=.113 Kw3=.255, P3=.894
Haemoglobin (g/dL)	12.4±2. 2	12.2±2.1	11.8±1.9	12.2±2.05	11.7±2.07	12.1±2. 3	12.05±2 .05	11.99±2. 16	12.54±1 .91	F1=.776, P1=.462 F2=.668, P2=.514 F3=.535, P3=.587

PLTs (thousands/cm m)	269.3±5 5.5	256.2±6 7.5	261.3±92. 1	260.4±86. 7	249.6±55. 9	299.1±4 3.4	258.25± 77.7	266.5±7 5.6	249±87	F1=.209, P1=.812 F2=1.604, P2=.205 F3=401, P3=.671
C-reactive protein (mg/L)	68.13	66.81	75.79	64.23	82.77	91.1	69.84	72.46	70.71	Kw1=,1.582 P1=.453 Kw2=8.097, P2=.017* Kw3=.126, P3=.939
Serum LDH (U/L)	73.13	65.55	75.46	67.51	78.42	76.40	75.95	64.05	74.29	Kw1=1.859, P1=.395 Kw2=2.090, P2=.352 Kw3=2.719, P3=.257
D-dimer(mg/L)	75.34	71.31	69.40	69.85	76.23	69.06	68.41	74.35	70.13	Kw1=.319, P1=.853 Kw2=.838, P2=.658 Kw3=.660, P3=.719

P1: difference between TT, TC&CC, P2: difference between TT, AT&AA, P3: difference between AA, AG&GG KW χ^2 : Kruskal Wallis test, F: One Way ANOVA test, χ^2 : Chi-Square test, Parameters described as mean \pm SD for parametric values & mean rank for non-parametric values. *statistically significant

Supplementary Table 2. Correlation between the frequencies of polymorphisms, severity and mortality rates of Covid-19 cases (Spearman's rho):

[illegible]

rs1704720 0_TT	Correlation Coefficient	.053	.046	-.082	-.391**	-.165	1.000	-.038	.058	-.028	.158	.095
	Sig. (2-tailed)	.534	.591	.336	.000	.051	.	.657	.494	.741	.062	.260
	N	141	141	141	141	141	141	141	141	141	141	141
rs4618569 _AA	Correlation Coefficient	-.120	.097	-.014	.060	-.043	-.038	1.000	-.761**	-.370**	-.219**	-.156
	Sig. (2-tailed)	.155	.250	.869	.478	.616	.657	.	.000	.000	.009	.064
	N	141	141	141	141	141	141	141	141	141	141	141
rs4618569 _AG	Correlation Coefficient	.147	-.189*	.087	-.041	.010	.058	-.761**	1.000	-.320**	.310**	.238**
	Sig. (2-tailed)	.083	.025	.306	.629	.906	.494	.000	.	.000	.000	.004
	N	141	141	141	141	141	141	141	141	141	141	141
rs4618569 _GG	Correlation Coefficient	-.034	.128	-.104	-.029	.048	-.028	-.370**	-.320**	1.000	-.124	-.113
	Sig. (2-tailed)	.688	.129	.220	.730	.573	.741	.000	.000	.	.142	.182
	N	141	141	141	141	141	141	141	141	141	141	141
Severity	Correlation Coefficient	.086	.067	-.126	-.102	.017	.158	-.219**	.310**	-.124	1.000	.828**
	Sig. (2-tailed)	.309	.427	.136	.230	.842	.062	.009	.000	.142	.	.000
	N	141	141	141	141	141	141	141	141	141	141	141
Outcome	Correlation Coefficient	.122	.032	-.116	-.139	.093	.095	-.156	.238**	-.113	.828**	1.000
	Sig. (2-tailed)	.149	.707	.173	.100	.270	.260	.064	.004	.182	.000	.
	N	141	141	141	141	141	141	141	141	141	141	141
**. Correlation is significant at the 0.01 level (2-tailed).												
*. Correlation is significant at the 0.05 level (2-tailed).												

