

Supplementary to “Hotspot Mutations in SARS-CoV-2”

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Table S1: Statistics of sequences for different countries

Name of the Country	Number of Sequences	Name of the Country	Number of Sequences	Name of the Country	Number of Sequences	Name of the Country	Number of Sequences	Name of the Country	Number of Sequences
USA	11936	China	654	Ecuador	151	Colombia	53	Georgia	12
England	11687	Portugal	637	Latvia	149	Romania	50	Mali	11
India	10286	Finland	565	Estonia	147	North Macedonia	50	Morocco	11
Scotland	3784	Luxembourg	513	Czech Republic	141	Sri Lanka	44	Kenya	10
Australia	3345	Canada	496	Aruba	136	Argentina	41	Malta	10
Denmark	2544	Ireland	487	Uganda	130	Senegal	35	Bosnia and Herzegovina	4
Wales	2425	Singapore	477	Egypt	123	Vietnam	35	Lebanon	4
Iceland	1886	Austria	466	Chile	108	Cambodia	33	Bulgaria	4
Belgium	1534	Northern Ireland	426	Nigeria	94	Tunisia	31	Cyprus	4
Switzerland	1474	Russia	404	Turkey	93	Costa Rica	30	Guatemala	3
Germany	1366	Indonesia	314	Peru	90	Kazakhstan	29	Kosovo	3
Spain	1288	Bangladesh	296	Slovenia	90	Kuwait	27	Iran	3
France	1150	Israel	292	Ghana	82	Montenegro	25	Jamaica	3
Brazil	1072	Mexico	263	Slovakia	79	Bahrain	23	Sierra Leone	3
Italy	1034	Jordan	253	Malaysia	79	Curacao	22	Rwanda	2
South Korea	978	Norway	225	Thailand	69	Pakistan	19	Brunei	2
Netherlands	905	Poland	208	Lithuania	66	Hungary	17	Panama	1
Japan	738	New Zealand	205	Croatia	62	Serbia	16	Nepal	1
South Africa	715	United Arab Emirates	185	Saudi Arabia	61	Belarus	15		
Sweden	665	Greece	151	Oman	59	Suriname	14		

Sl. No.	Name	Link
1	Monthwise Entropy of Mutations for 71038 Global SARS-CoV-2 Genomes	http://www.nittrkol.ac.in/indrajit/projects/COVID-Hotspot-Mutation-Global-71K/downloads/supplementary/MonthWise-71038-Global-SARS-CoV-2-Mutation-Entropy.xlsx
2	Monthwise Entropy of Mutations for 10286 Indian SARS-CoV-2 Genomes	http://www.nittrkol.ac.in/indrajit/projects/COVID-Hotspot-Mutation-Global-71K/downloads/supplementary/MonthWise-10286-Indian-SARS-CoV-2-Mutation-Entropy.xlsx

Table S2: Link of Monthwise Entropy of 71038 Global and 10286 Indian SARS-CoV-2 Genomes

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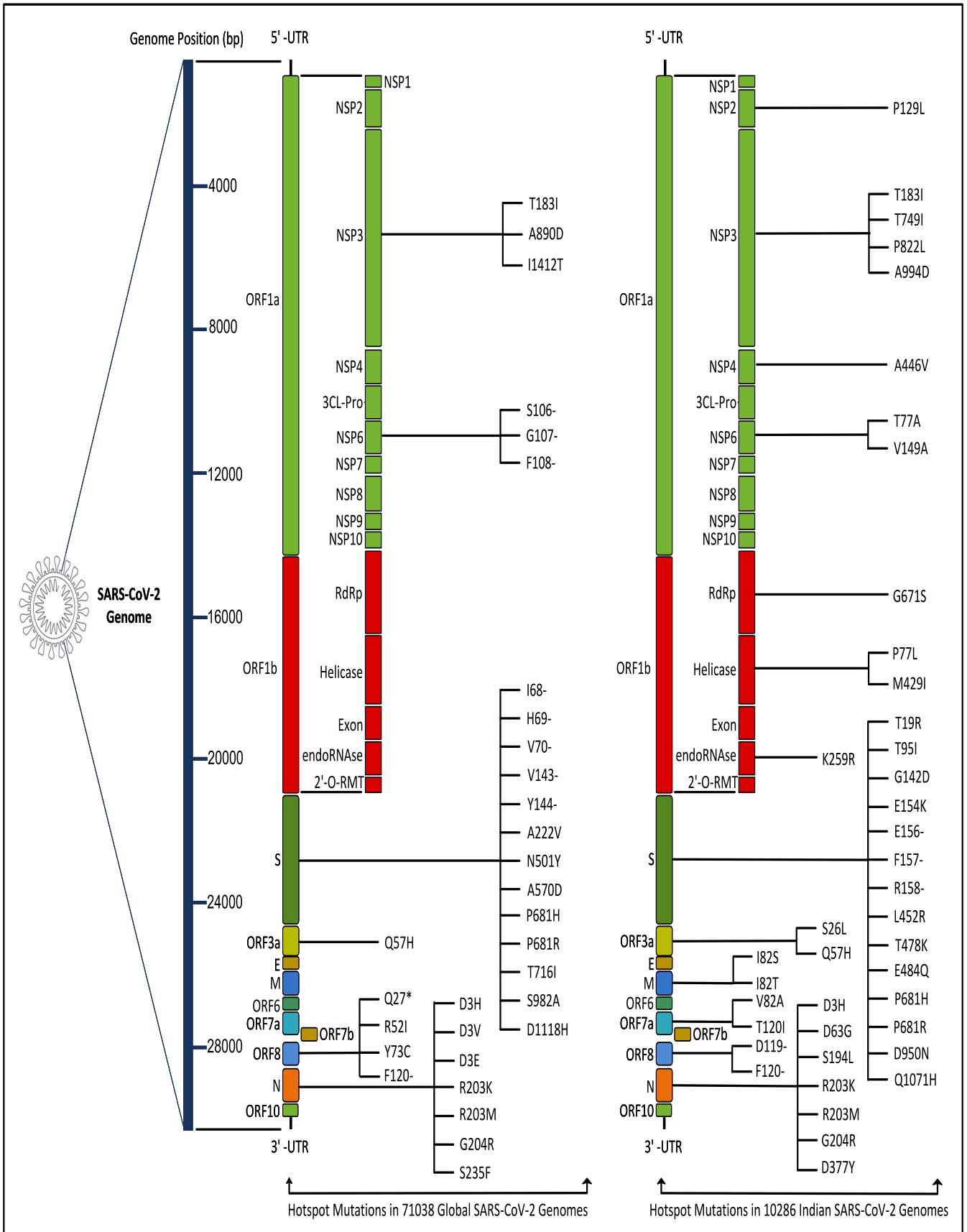


Figure S1: Amino acid changes in the proteins for the non-synonymous deletions and substitutions

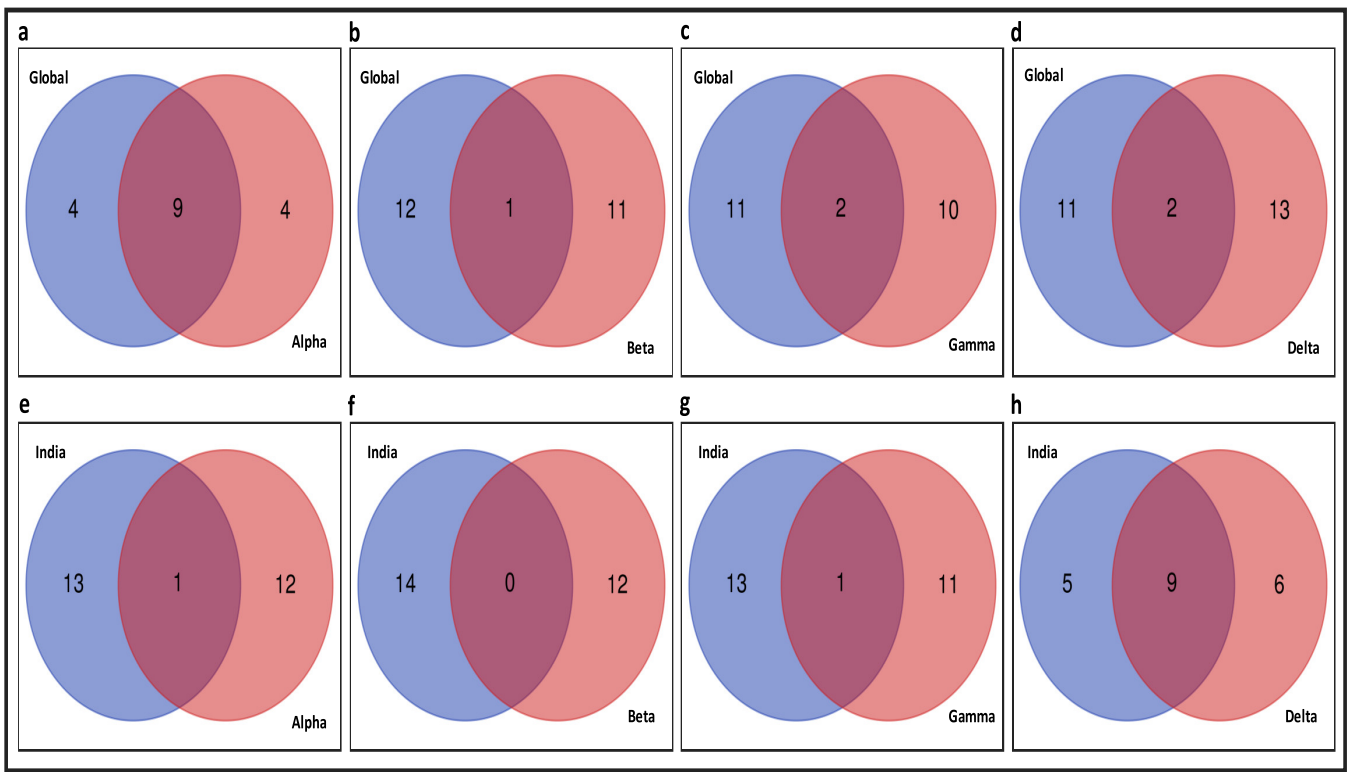


Figure S2: Venn diagrams to represent common hotspot mutations in the SARS-CoV-2 genomes for (a) Global vs. Alpha (b) Global vs. Beta (c) Global vs. Gamma (d) Global vs. Delta (e) India vs. Alpha (f) India vs. Beta (g) India vs. Gamma (h) India vs. Delta

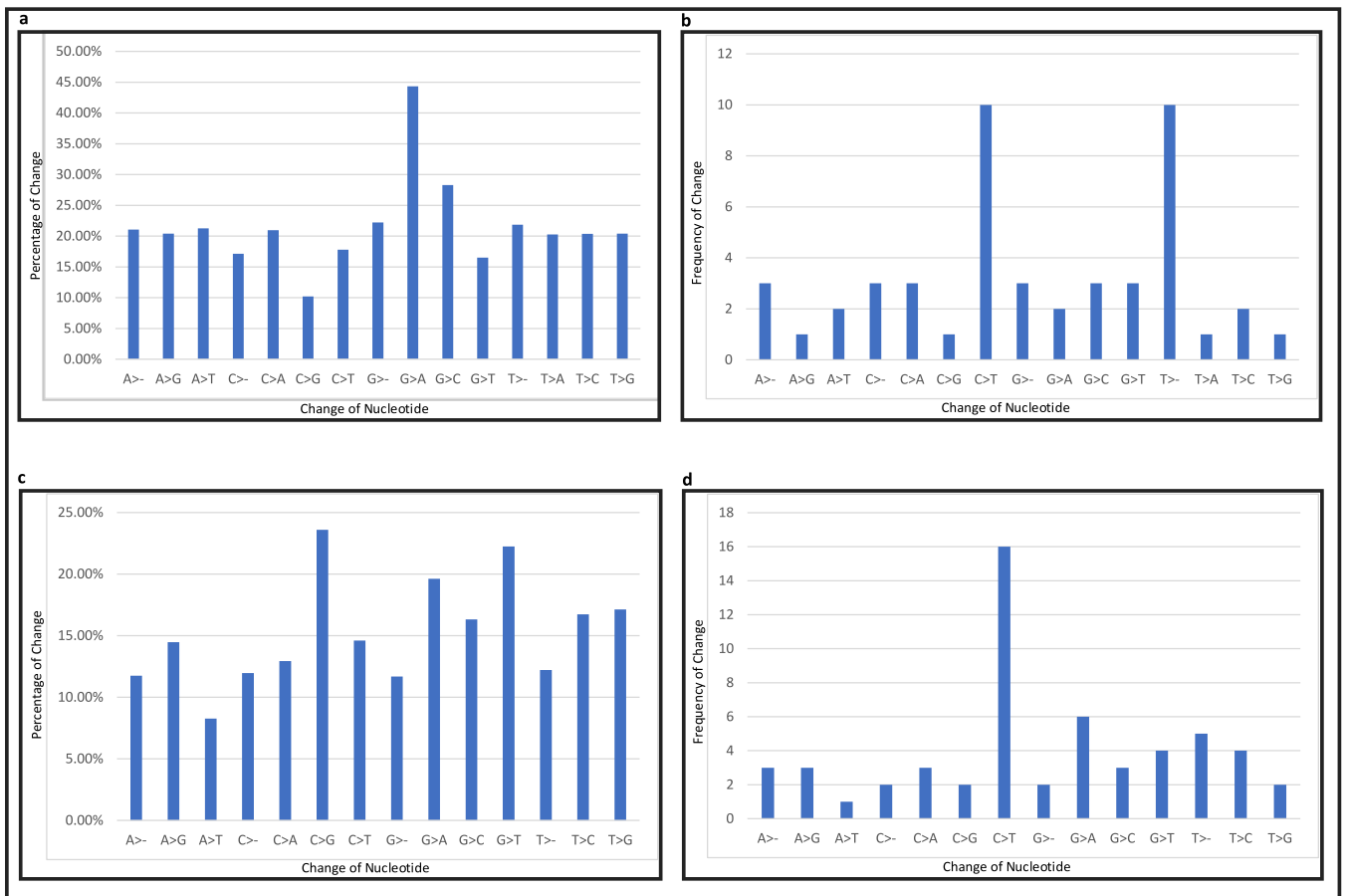


Figure S3: (a) Percentage of Nucleotide change (b) Frequency of Nucleotide change for hotspot mutations in Global SARS-CoV-2 genomes (c) Percentage of Nucleotide change and (d) Frequency of Nucleotide change for hotspot mutations in Indian SARS-CoV-2 genomes