

Table S4: Lineage effect on Ct value at the national level and for each capital using a linear regression model (β). Three distinct viral targets (N, ORFab and S) and an internal process control (MS2) were analyzed. Negative β values indicate a decrease in the Ct score in the period dominated by the VOC Delta.

Capital	Number of Samples	N gene			ORF1ab gene			S gene			MS2 control		
		β	95% CI	p-value									
Belém	2749	-1.341	± 1.569	<0.1	-1.443	± 1.612	<0.1	-1.487	± 1.585	<0.1	-0.094	± 0.799	0.817
Belo Horizonte	32179	-0.813	± 0.208	<0.001	-0.811	± 0.209	<0.001	-1.148	± 0.207	<0.001	-0.290	± 0.110	<0.001
Boa Vista	227	-	-	-	-	-	-	-	-	-	-	-	-
Brasília	2337	-1.205	± 0.496	<0.001	-1.414	± 0.500	<0.001	-1.583	± 0.494	<0.001	-0.592	± 0.277	<0.001
Campo Grande	1744	-	-	-	-	-	-	-	-	-	-	-	-
Fortaleza	91	-0.099	± 6.027	0.975	0.242	± 6.141	0.939	1.137	± 6.203	0.72	1.117	± 3.236	0.5
Goiânia	2630	-0.583	± 1.059	0.281	-0.611	± 1.074	0.265	-0.907	± 1.068	<0.1	0.113	± 0.113	0.682
Macapá	435	-	-	-	-	-	-	-	-	-	-	-	-
Manaus	327	-	-	-	-	-	-	-	-	-	-	-	-
Palmas	971	-0.040	± 0.040	0.948	-0.480	± 1.199	0.433	-0.619	± 1.189	0.308	-0.047	± 0.733	0.9
Porto Alegre	3502	-0.408	± 0.535	0.134	-0.504	± 0.544	<0.1	-0.793	± 0.537	<0.05	-0.542	± 0.286	<0.001
Porto Velho	768	-1.376	± 2.359	0.254	-1.533	± 2.378	0.207	-1.466	± 2.421	0.236	-0.029	± 1.210	0.963
Rio de Janeiro	8090	-1.502	± 0.336	<0.001	-1.708	± 0.339	<0.001	-1.925	± 0.334	<0.001	-0.422	± 0.178	<0.001
Salvador	646	-	-	-	-	-	-	-	-	-	-	-	-
São Paulo	5119	-0.591	± 0.706	0.1	-0.723	± 0.709	<0.05	-0.951	± 0.707	<0.01	-0.471	± 0.349	<0.01
Brazil	61815	-0.853	± 0.147	<0.001	-0.964	± 0.148	<0.001	-1.258	± 0.147	<0.001	-0.387	± 0.077	<0.001

'-' There was no lineage transition in the evaluated period; Statistically significant values are in italics ($\alpha = 0.05$);