Article

Spatiotemporal distribution and molecular characterization of circulating DENV serotypes/genotypes in Senegal from 2019 to 2023

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**Table S1:** Number of DENV positives samples recorded per regions from 2019 to 2023 through the 4S network.

|  |  |
| --- | --- |
| Region | Number of DENV positive samples |
| Dakar | 60 |
| Diourbel | 06 |
| Fatick | 08 |
| Kaffrine | 29 |
| Kaolack | 16 |
| Kedougou | 01 |
| Kolda | 01 |
| Louga | 06 |
| Matam | 166 |
| Saint-Louis | 64 |
| Tambacounda | 05 |
| Thies | 39 |
| Ziguinchor | 01 |

**Table S2 :** Summary of the number of serotyped samples at each monitoring region

|  |  |  |  |
| --- | --- | --- | --- |
| Region | DENV-1 | DENV-2 | DENV-3 |
| Dakar | 04 | 00 | 44 |
| Thies | 01 | 01 | 32 |
| Fatick | 00 | 00 | 04 |
| Diourbel | 00 | 00 | 04 |
| Kaolack | 00 | 01 | 13 |
| Kaffrine | 01 | 02 | 20 |
| Saint Louis | 53 | 00 | 03 |
| Louga | 03 | 00 | 03 |
| Tambacounda | 00 | 00 | 02 |
| Matam | 04 | 00 | 151 |
| Total | 66 | 04 | 276 |

**Table S3:** Reparation of detected DENV RNA positive samples per Year\_Week from 2019 to 2023

|  |  |
| --- | --- |
| Year-Week | Number of Cases |
| 2019-02 | 1 |
| 2019-04 | 2 |
| 2019-33 | 1 |
| 2019-39 | 1 |
| 2019-42 | 2 |
| 2019-43 | 2 |
| 2019-44 | 2 |
| 2019-45 | 3 |
| 2019-46 | 1 |
| 2019-47 | 2 |
| 2019-49 | 1 |
| 2019-50 | 1 |
| 2020-01 | 1 |
| 2020-28 | 1 |
| 2020-38 | 1 |
| 2020-40 | 1 |
| 2020-41 | 1 |
| 2020-42 | 1 |
| 2020-43 | 3 |
| 2020-44 | 3 |
| 2020-45 | 1 |
| 2020-46 | 3 |
| 2020-47 | 2 |
| 2020-48 | 1 |
| 2020-49 | 1 |
| 2021-04 | 1 |
| 2021-05 | 1 |
| 2021-36 | 1 |
| 2021-39 | 7 |
| 2021-40 | 7 |
| 2021-41 | 16 |
| 2021-42 | 8 |
| 2021-43 | 21 |
| 2021-44 | 18 |
| 2021-45 | 11 |
| 2021-46 | 7 |
| 2021-47 | 11 |
| 2021-48 | 5 |
| 2021-49 | 3 |
| 2021-50 | 3 |
| 2021-51 | 10 |
| 2021-52 | 1 |
| 2022-01 | 4 |
| 2022-02 | 1 |
| 2022-03 | 3 |
| 2022-04 | 9 |
| 2022-05 | 5 |
| 2022-06 | 2 |
| 2022-07 | 6 |
| 2022-08 | 6 |
| 2022-11 | 2 |
| 2022-12 | 5 |
| 2022-13 | 4 |
| 2022-14 | 1 |
| 2022-16 | 1 |
| 2022-34 | 1 |
| 2022-35 | 1 |
| 2022-36 | 2 |
| 2022-39 | 2 |
| 2022-40 | 3 |
| 2022-41 | 4 |
| 2022-42 | 5 |
| 2022-43 | 9 |
| 2022-44 | 9 |
| 2022-45 | 13 |
| 2022-46 | 17 |
| 2022-47 | 20 |
| 2022-48 | 22 |
| 2022-49 | 20 |
| 2022-50 | 14 |
| 2022-51 | 18 |
| 2022-52 | 7 |
| 2023-01 | 2 |
| 2023-02 | 4 |
| 2023-03 | 2 |
| 2023-04 | 2 |
| 2023-05 | 2 |
| 2023-06 | 2 |
| 2023-07 | 1 |

**Table S4:** Reparation of detected DENV serotypes per Year\_Week from 2019 to 2023

|  |  |  |  |
| --- | --- | --- | --- |
| Years\_Week | DENV-1 | DENV-2 | DENV-3 |
| 2019-02 | 1 | 0 | 0 |
| 2019-04 | 2 | 0 | 0 |
| 2019-33 | 0 | 1 | 0 |
| 2019-39 | 0 | 0 | 1 |
| 2019-42 | 2 | 0 | 0 |
| 2019-43 | 0 | 0 | 2 |
| 2019-44 | 0 | 0 | 1 |
| 2019-45 | 0 | 0 | 2 |
| 2019-46 | 0 | 0 | 0 |
| 2019-47 | 0 | 0 | 0 |
| 2019-49 | 0 | 0 | 0 |
| 2019-50 | 0 | 0 | 1 |
| 2020-01 | 0 | 1 | 0 |
| 2020-28 | 0 | 0 | 0 |
| 2020-38 | 0 | 1 | 0 |
| 2020-40 | 0 | 1 | 0 |
| 2020-41 | 0 | 0 | 1 |
| 2020-42 | 0 | 0 | 0 |
| 2020-43 | 0 | 0 | 0 |
| 2020-44 | 0 | 0 | 2 |
| 2020-45 | 0 | 0 | 0 |
| 2020-46 | 0 | 0 | 0 |
| 2020-47 | 0 | 0 | 0 |
| 2020-48 | 0 | 0 | 0 |
| 2020-49 | 0 | 0 | 0 |
| 2021-04 | 0 | 0 | 0 |
| 2021-05 | 0 | 0 | 0 |
| 2021-36 | 0 | 0 | 1 |
| 2021-39 | 7 | 0 | 0 |
| 2021-40 | 5 | 0 | 2 |
| 2021-41 | 11 | 0 | 1 |
| 2021-42 | 7 | 0 | 0 |
| 2021-43 | 14 | 0 | 6 |
| 2021-44 | 11 | 0 | 2 |
| 2021-45 | 1 | 0 | 9 |
| 2021-46 | 0 | 0 | 3 |
| 2021-47 | 1 | 0 | 7 |
| 2021-48 | 1 | 0 | 3 |
| 2021-49 | 1 | 0 | 2 |
| 2021-50 | 0 | 0 | 2 |
| 2021-51 | 1 | 0 | 8 |
| 2021-52 | 0 | 0 | 1 |
| 2022-01 | 0 | 0 | 4 |
| 2022-02 | 0 | 0 | 1 |
| 2022-03 | 1 | 0 | 2 |
| 2022-04 | 0 | 0 | 9 |
| 2022-05 | 0 | 0 | 3 |
| 2022-06 | 0 | 0 | 0 |
| 2022-07 | 0 | 0 | 5 |
| 2022-08 | 0 | 0 | 5 |
| 2022-11 | 0 | 0 | 2 |
| 2022-12 | 0 | 0 | 5 |
| 2022-13 | 0 | 0 | 4 |
| 2022-14 | 0 | 0 | 0 |
| 2022-16 | 0 | 0 | 0 |
| 2022-34 | 0 | 0 | 1 |
| 2022-35 | 0 | 0 | 1 |
| 2022-36 | 0 | 0 | 2 |
| 2022-39 | 0 | 0 | 2 |
| 2022-40 | 0 | 0 | 3 |
| 2022-41 | 0 | 0 | 4 |
| 2022-42 | 0 | 0 | 4 |
| 2022-43 | 0 | 0 | 8 |
| 2022-44 | 0 | 0 | 8 |
| 2022-45 | 0 | 0 | 13 |
| 2022-46 | 0 | 0 | 17 |
| 2022-47 | 0 | 0 | 20 |
| 2022-48 | 0 | 0 | 22 |
| 2022-49 | 0 | 0 | 20 |
| 2022-50 | 0 | 0 | 14 |
| 2022-51 | 0 | 0 | 18 |
| 2022-52 | 0 | 0 | 7 |
| 2023-01 | 0 | 0 | 2 |
| 2023-02 | 0 | 0 | 4 |
| 2023-03 | 0 | 0 | 2 |
| 2023-04 | 0 | 0 | 2 |
| 2023-05 | 0 | 0 | 2 |
| 2023-06 | 0 | 0 | 2 |
| 2023-07 | 0 | 0 | 1 |