

## Supplementary Data

SUPPLEMENTARY TABLE S1. PUTATIVE BREAKPOINTS OF MOSAIC VIRUS VARIANTS

| <i>Sequence</i> | <i>Recombinant<sup>a</sup></i> | <i>No. of supporting sites fragment 1</i> | <i>Putative breakpoint 1</i> | <i>No. of supporting sites fragment 2</i> | <i>Putative breakpoint 2</i> | <i>No. of supporting sites fragment 3</i> | <i>Putative breakpoint 3</i> | <i>No. of supporting sites fragment 4</i> |
|-----------------|--------------------------------|---|------------------------------|---|------------------------------|---|------------------------------|---|
| 54-17           | B/CRF19                        | 13  | 2320–2374                    | 59  |                              |   |                              |   |
| 54-4            | CRF19/B                        | 52  | 2613–2691                    | 21  |                              |   |                              |   |
| 54-22           | CRF19/B                        | 52  | 2613–2691                    | 21  |                              |   |                              |   |
| 54-24           | CRF19/B                        | 79  | 3030–3050                    | 13  |                              |   |                              |   |
| 54-25           | CRF19/B                        | 49  | 2553–2588                    | 23  |                              |   |                              |   |
| 54-8            | CRF19/B/CRF19                  | 48  | 2553–2588                    | 23  | 3231–3257                    | 7   |                              |   |
| 85-2            | CRF19/B                        | 40  | 2397–2442                    | 29  |                              |   |                              |   |
| 85-3            | CRF19/B                        | 41  | 2397–2408                    | 29  |                              |   |                              |   |
| 85-9            | CRF19/B                        | 40  | 2375–2408                    | 30  |                              |   |                              |   |
| 85-12           | CRF19/B                        | 39  | 2397–2442                    | 29  |                              |   |                              |   |
| 85-13           | CRF19/B                        | 39  | 2397–2442                    | 29  |                              |   |                              |   |
| 85-14           | CRF19/B                        | 41  | 2397–2408                    | 30  |                              |   |                              |   |
| 85-15           | CRF19/B                        | 42  | 2436–2442                    | 29  |                              |   |                              |   |
| 85-17           | CRF19/B                        | 41  | 2397–2442                    | 29  |                              |   |                              |   |
| 85-23           | CRF19/B                        | 39  | 2397–2442                    | 29  |                              |   |                              |   |
| 85-19           | CRF19/B                        | 39  | 2363–2408                    | 30  |                              |   |                              |   |
| 85-10           | CRF19/B                        | 40  | 2375–2408                    | 30  |                              |   |                              |   |
| 85-16           | CRF19/B                        | 39  | 2397–2442                    | 29  |                              |   |                              |   |
| 85-4            | CRF19/B                        | 45  | 2487–2540                    | 26  |                              |   |                              |   |
| 85-27           | CRF19/B                        | 45  | 2487–2541                    | 25  |                              |   |                              |   |
| 85-8            | CRF19/B                        | 49  | 2553–2588                    | 23  |                              |   |                              |   |
| 85-26           | CRF19/B                        | 48  | 2553–2588                    | 23  |                              |   |                              |   |
| 85-24           | CRF19/B                        | 48  | 2553–2588                    | 23  |                              |   |                              |   |
| 85-21           | CRF19/B                        | 49  | 2553–2588                    | 23  |                              |   |                              |   |
| 85-5            | CRF19/B                        | 49  | 2553–2588                    | 23  |                              |   |                              |   |
| 85-25           | CRF19/B                        | 48  | 2553–2588                    | 23  |                              |   |                              |   |
| 85-7            | CRF19/B                        | 49  | 2553–2588                    | 24  |                              |   |                              |   |
| 85-11           | CRF19/B                        | 79  | 3119–3137                    | 10  |                              |   |                              |   |
| 85-1            | B/CRF19/B                      | 8   | 2140–2168                    | 17  | 2397–2442                    | 29  |                              |   |
| 85-18           | B/CRF19/B                      | 11  | 2248–2282                    | 8   | 2375–2408                    | 30  |                              |   |
| 85-6            | CRF19/B/CRF19/B                | 38  | 2363–2364                    | 15  | 2943–2987                    | 4   | 3052-3079                    | 12  |
| 87-15           | CRF19/B                        | 41  | 2397–2442                    | 29  |                              |   |                              |   |
| 87-16           | CRF19/B                        | 40  | 2397–2442                    | 29  |                              |   |                              |   |
| 87-1            | CRF19/B                        | 39  | 2397–2442                    | 29  |                              |   |                              |   |
| 87-3            | CRF19/B                        | 41  | 2397–2442                    | 29  |                              |   |                              |   |
| 87-11           | CRF19/B                        | 41  | 2397–2408                    | 30  |                              |   |                              |   |
| 87-6            | CRF19/B                        | 39  | 2375–2442                    | 25  |                              |   |                              |   |
| 87-12           | CRF19/B                        | 44  | 2487–2540                    | 26  |                              |   |                              |   |
| 87-2            | CRF19/B                        | 48  | 2553–2588                    | 23  |                              |   |                              |   |
| 87-4            | CRF19/B                        | 49  | 2553–2588                    | 23  |                              |   |                              |   |
| 87-8            | CRF19/B                        | 49  | 2553–2588                    | 23  |                              |   |                              |   |
| 87-5            | CRF19/B                        | 49  | 2553–2588                    | 23  |                              |   |                              |   |
| 87-7            | CRF19/B                        | 48  | 2553–2588                    | 23  |                              |   |                              |   |
| 87-13           | CRF19/B                        | 47  | 2553–2588                    | 23  |                              |   |                              |   |
| 87-14           | B/CRF19/B                      | 15  | 2409–2435                    | 8   | 2553–2588                    | 23  |                              |   |
| S87-4           | CRF19/B                        | 41  | 2397–2408                    | 30  |                              |   |                              |   |
| S87-7           | CRF19/B                        | 42  | 2436–2442                    | 29  |                              |   |                              |   |
| S87-20          | CRF19/B                        | 48  | 2553–2588                    | 23  |                              |   |                              |   |

<sup>a</sup>Typing and breakpoint analysis performed using SimPlot.