

SUPPLEMENTARY FIGURE. Distinct Sequence Identifiers for measles genotypes B3 and D8 detected, by epidemiologic week\* — United States, January 1, 2020–March 21, 2024

| Year/Genotype/DSId (named strain)   | Number of sequences identified by year, epidemiologic week |          |          |          |          |          |          |          |          |          |
|-------------------------------------|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                                     | 2020   |          |          |          |          |          |          |          |          |          |
| Epidemiologic Week                  | 1-2  | 3        | 4        | 5        | 6        | 7        | 8        | 9-45     | 46       | 47-52    |
| <b>Genotype B3</b>                  |  |          |          |          |          |          |          |          |          |          |
| 4299 (MVs/Dublin.IRL/8.16)          |  | 1        |          | 2        | 2        |          |          |          |          |          |
| 5827                                |  |          |          | 1        |          |          |          |          |          |          |
| 6318                                |  |          |          | 1        |          |          |          |          |          |          |
| 4298                                |  |          |          |          |          |          | 1        |          |          |          |
| 6368                                |  |          |          |          |          |          |          |          | 1        |          |
| 6481                                |  |          |          |          |          |          |          |          |          |          |
| 6482                                |  |          |          |          |          |          |          |          |          |          |
| 6472                                |  |          |          |          |          |          |          |          |          |          |
| 8249                                |  |          |          |          |          |          |          |          |          |          |
| 6418 (MVs/Quetta.PAK/44.20)         |  |          |          |          |          |          |          |          |          |          |
| 8346                                |  |          |          |          |          |          |          |          |          |          |
| 8272                                |  |          |          |          |          |          |          |          |          |          |
| 8306                                |  |          |          |          |          |          |          |          |          |          |
| 8347                                |  |          |          |          |          |          |          |          |          |          |
| 8307                                |  |          |          |          |          |          |          |          |          |          |
| 8359                                |  |          |          |          |          |          |          |          |          |          |
| 8569                                |  |          |          |          |          |          |          |          |          |          |
| 8621                                |  |          |          |          |          |          |          |          |          |          |
| 8670                                |  |          |          |          |          |          |          |          |          |          |
| 8777                                |  |          |          |          |          |          |          |          |          |          |
| 8493                                |  |          |          |          |          |          |          |          |          |          |
| 8442                                |  |          |          |          |          |          |          |          |          |          |
| <b>Total</b>                        | <b>0</b>   | <b>1</b> | <b>0</b> | <b>4</b> | <b>2</b> | <b>0</b> | <b>1</b> | <b>0</b> | <b>1</b> | <b>0</b> |
| <b>Genotype D8</b>                  |  |          |          |          |          |          |          |          |          |          |
| 8318                                |  |          |          |          |          |          |          |          |          |          |
| 8491                                |  |          |          |          |          |          |          |          |          |          |
| 5963 (MVs/Patan.IND/16.19)          |  |          |          |          |          |          |          |          |          |          |
| 2266 (MVs/Frankfurt Main.DEU/17.11) |  |          |          |          |          |          |          |          |          |          |
| 8765                                |  |          |          |          |          |          |          |          |          |          |
| 8477                                |  |          |          |          |          |          |          |          |          |          |
| 2279 (MVs/Victoria.AUS/6.11)        |  |          |          |          |          |          |          |          |          |          |
| 8251                                |  |          |          |          |          |          |          |          |          |          |
| 8631                                |  |          |          |          |          |          |          |          |          |          |
| 8278                                |  |          |          |          |          |          |          |          |          |          |
| 8700                                |  |          |          |          |          |          |          |          |          |          |
| 8699                                |  |          |          |          |          |          |          |          |          |          |
| 8248 (MVs/Rudaki.TJK/49.21)         |  |          |          |          |          |          |          |          |          |          |
| <b>Total</b>                        | <b>0</b>   | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |

Abbreviation: DSId = distinct sequence identifier

\* Weeks with no reported cases are shown as grey boxes

SUPPLEMENTARY FIGURE. Distinct Sequence Identifiers for measles genotypes B3 and D8 detected, by epidemiologic week\* — United States, January 1, 2020–March 21, 2024

| Year/Genotype/DSId (named strain)   | Number of sequences identified by year, epidemiologic week |          |          |          |          |          |          |          |          |           |          |
|-------------------------------------|--|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|
|                                     | 2021   |          |          |          |          |          |          |          |          |           |          |
| Epidemiologic Week                  | 1-12   | 13       | 14-15    | 16       | 17-34    | 35       | 36       | 37       | 38       | 39        | 40       |
| <b>Genotype B3</b>                  |  |          |          |          |          |          |          |          |          |           |          |
| 4299 (MVs/Dublin.IRL/8.16)          |  |          |          |          |          |          |          |          |          |           |          |
| 5827                                |  |          |          |          |          |          |          |          |          |           |          |
| 6318                                |  |          |          |          |          |          |          |          |          |           |          |
| 4298                                |  | 1        |          | 1        |          |          |          |          |          |           |          |
| 6368                                |  |          |          |          |          |          |          |          |          |           |          |
| 6481                                |  |          |          |          |          | 1        | 2        | 1        |          | 2         | 2        |
| 6482                                |  |          |          |          |          |          | 1        |          |          |           |          |
| 6472                                |  |          |          |          |          | 4        | 2        | 7        | 3        | 16        | 1        |
| 8249                                |  |          |          |          |          |          |          |          |          |           |          |
| 6418 (MVs/Quetta.PAK/44.20)         |  |          |          |          |          |          |          |          |          |           |          |
| 8346                                |  |          |          |          |          |          |          |          |          |           |          |
| 8272                                |  |          |          |          |          |          |          |          |          |           |          |
| 8306                                |  |          |          |          |          |          |          |          |          |           |          |
| 8347                                |  |          |          |          |          |          |          |          |          |           |          |
| 8307                                |  |          |          |          |          |          |          |          |          |           |          |
| 8359                                |  |          |          |          |          |          |          |          |          |           |          |
| 8569                                |  |          |          |          |          |          |          |          |          |           |          |
| 8621                                |  |          |          |          |          |          |          |          |          |           |          |
| 8670                                |  |          |          |          |          |          |          |          |          |           |          |
| 8777                                |  |          |          |          |          |          |          |          |          |           |          |
| 8493                                |  |          |          |          |          |          |          |          |          |           |          |
| 8442                                |  |          |          |          |          |          |          |          |          |           |          |
| <b>Total</b>                        | <b>0</b>   | <b>1</b> | <b>0</b> | <b>1</b> | <b>0</b> | <b>5</b> | <b>5</b> | <b>8</b> | <b>3</b> | <b>18</b> | <b>3</b> |
| <b>Genotype D8</b>                  |  |          |          |          |          |          |          |          |          |           |          |
| 8318                                |  |          |          |          |          |          |          |          |          |           |          |
| 8491                                |  |          |          |          |          |          |          |          |          |           |          |
| 5963 (MVs/Patan.IND/16.19)          |  |          |          |          |          |          |          |          |          |           |          |
| 2266 (MVs/Frankfurt Main.DEU/17.11) |  |          |          |          |          |          |          |          |          |           |          |
| 8765                                |  |          |          |          |          |          |          |          |          |           |          |
| 8477                                |  |          |          |          |          |          |          |          |          |           |          |
| 2279 (MVs/Victoria.AUS/6.11)        |  |          |          |          |          |          |          |          |          |           |          |
| 8251                                |  |          |          |          |          |          |          |          |          |           |          |
| 8631                                |  |          |          |          |          |          |          |          |          |           |          |
| 8278                                |  |          |          |          |          |          |          |          |          |           |          |
| 8700                                |  |          |          |          |          |          |          |          |          |           |          |
| 8699                                |  |          |          |          |          |          |          |          |          |           |          |
| 8248 (MVs/Rudaki.TJK/49.21)         |  |          |          |          |          |          |          |          |          |           |          |
| <b>Total</b>                        | <b>0</b>   | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b> |

Abbreviation: DSId = distinct sequence identifier

\* Weeks with no reported cases are shown as grey boxes

SUPPLEMENTARY FIGURE. Distinct Sequence Identifiers for measles genotypes B3 and D8 detected, by epidemiologic week\* — United States, January 1, 2020–March 21, 2024

| Year/Genotype/DSId (named strain)   | Number of sequences identified by year, epidemiologic week |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
|-------------------------------------|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
|                                     | 2022   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| Epidemiologic Week                  | 1-5  | 6        | 7-8      | 9        | 10       | 11       | 12-18    | 19       | 20-23    | 24       | 25       | 35       | 36       | 37       | 38       |  |
| <b>Genotype B3</b>                  |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 4299 (MVs/Dublin.IRL/8.16)          |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 5827                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 6318                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 4298                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 6368                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 6481                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 6482                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 6472                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 8249                                |  | 1        |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 6418 (MVs/Quetta.PAK/44.20)         |  |          |          | 1        |          |          |          | 1        |          |          |          |          |          |          |          |  |
| 8346                                |  |          |          |          |          |          |          |          |          |          |          |          |          | 1        | 3        |  |
| 8272                                |  |          |          |          |          | 1        |          |          |          |          |          | 2        |          |          |          |  |
| 8306                                |  |          |          |          |          |          |          |          |          | 2        |          |          |          |          |          |  |
| 8347                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          | 1        |  |
| 8307                                |  |          |          |          |          |          |          |          |          |          | 1        |          |          |          |          |  |
| 8359                                |  |          |          |          |          |          |          |          |          |          |          |          | 1        |          |          |  |
| 8569                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 8621                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 8670                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 8777                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 8493                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 8442                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| <b>Total</b>                        | <b>0</b>   | <b>1</b> | <b>0</b> | <b>1</b> | <b>0</b> | <b>1</b> | <b>0</b> | <b>1</b> | <b>0</b> | <b>2</b> | <b>1</b> | <b>2</b> | <b>1</b> | <b>1</b> | <b>4</b> |  |
| <b>Genotype D8</b>                  |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 8318                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 8491                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 5963 (MVs/Patan.IND/16.19)          |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 2266 (MVs/Frankfurt Main.DEU/17.11) |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 8765                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 8477                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 2279 (MVs/Victoria.AUS/6.11)        |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 8251                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 8631                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 8278                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 8700                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 8699                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| 8248 (MVs/Rudaki.TJK/49.21)         |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
| <b>Total</b>                        | <b>0</b>   | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |  |

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SUPPLEMENTARY FIGURE. Distinct Sequence Identifiers for measles genotypes B3 and D8 detected, by epidemiologic week\* — United States, January 1, 2020–March 21, 2024

| Year/Genotype/DSId (named strain)                      | Number of sequences identified by year, epidemiologic week |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
|--|--|----------|----------|----------|----------|----------|----------|-----------|----------|-----------|-----------|-----------|----------|----------|----------|
|  | 2022   |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| Epidemiologic Week                                     | 39   | 40       | 41       | 42       | 43       | 44       | 45       | 46        | 47       | 48        | 49        | 50        | 51       | 52       | 53       |
| <b>Genotype B3</b>                                     |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 4299 (MVs/Dublin.IRL/8.16)                             |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 5827   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 6318   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 4298   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 6368   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 6481   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 6482   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 6472   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8249   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 6418 (MVs/Quetta.PAK/44.20)                            |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8346   | 3  | 3        | 2        | 1        | 1        | 3        | 2        | 10        | 8        | 18        | 11        | 13        | 4        |          | 2        |
| 8272   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8306   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8347   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8307   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8359   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8569   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8621   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8670   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8777   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8493   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8442   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| <b>Total</b>   | <b>3</b>   | <b>3</b> | <b>2</b> | <b>1</b> | <b>1</b> | <b>3</b> | <b>2</b> | <b>10</b> | <b>8</b> | <b>18</b> | <b>11</b> | <b>13</b> | <b>4</b> | <b>0</b> | <b>2</b> |
| <b>Genotype D8</b>                                     |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8318   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8491   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 5963 (MVs/Patan.IND/16.19)                             |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 2266 (MVs/Frankfurt Main.DEU/17.11)                    |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8765   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8477   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 2279 (MVs/Victoria.AUS/6.11)                           |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8251   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8631   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8278   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8700   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8699   |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| 8248 (MVs/Rudaki.TJK/49.21)                            |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| <b>Total</b>   | <b>0</b>   | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b> | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b> | <b>0</b> | <b>0</b> |
| Abbreviation: DSId = distinct sequence identifier      |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |
| * Weeks with no reported cases are shown as grey boxes |  |          |          |          |          |          |          |           |          |           |           |           |          |          |          |

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| Year/Genotype/DSId (named strain)   | Number of sequences identified by year, epidemiologic week |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|-------------------------------------|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                                     | 2023   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| Epidemiologic Week                  | 1-2  | 3        | 4-7      | 8        | 9        | 10       | 11       | 12       | 13       | 14       | 15       | 18-19    | 20       | 21       | 22       | 23       |
| <b>Genotype B3</b>                  |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 4299 (MVs/Dublin.IRL/8.16)          |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 5827                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 6318                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 4298                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 6368                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 6481                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 6482                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 6472                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8249                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 6418 (MVs/Quetta.PAK/44.20)         |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8346                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8272                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8306                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8347                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8307                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8359                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8569                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8621                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8670                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8777                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8493                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8442                                |  |          |          |          |          |          |          |          |          |          |          |          | 1        | 1        | 1        | 1        |
| <b>Total</b>                        | <b>0</b>   | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>1</b> | <b>1</b> | <b>1</b> | <b>1</b> |
| <b>Genotype D8</b>                  |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8318                                |  |          |          |          |          |          |          |          | 1        |          |          |          |          |          |          |          |
| 8491                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 5963 (MVs/Patan.IND/16.19)          |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 2266 (MVs/Frankfurt Main.DEU/17.11) |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8765                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8477                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 2279 (MVs/Victoria.AUS/6.11)        |  |          |          | 1        |          | 1        |          |          |          | 1        |          |          |          |          |          |          |
| 8251                                |  | 1        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8631                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8278                                |  |          |          |          |          |          | 1        |          |          |          |          |          |          |          | 1        |          |
| 8700                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8699                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8248 (MVs/Rudaki.TJK/49.21)         |  |          |          |          |          |          |          |          |          |          | 1        |          |          |          |          |          |
| <b>Total</b>                        | <b>0</b>   | <b>1</b> | <b>0</b> | <b>1</b> | <b>0</b> | <b>1</b> | <b>1</b> | <b>0</b> | <b>1</b> | <b>1</b> | <b>1</b> | <b>0</b> | <b>0</b> | <b>1</b> | <b>0</b> | <b>0</b> |

Abbreviation: DSId = distinct sequence identifier

\* Weeks with no reported cases are shown as grey boxes

SUPPLEMENTARY FIGURE. Distinct Sequence Identifiers for measles genotypes B3 and D8 detected, by epidemiologic week\* — United States, January 1, 2020–March 21, 2024

| Year/Genotype/DSId (named strain)   | Number of sequences identified by year, epidemiologic week |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|-------------------------------------|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                                     | 2023   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| Epidemiologic Week                  | 24-29  | 30       | 31       | 32       | 33-36    | 37       | 38       | 39-40    | 41       | 42       | 43       | 44       | 45-48    | 49       | 50       | 51       | 52       |
| <b>Genotype B3</b>                  |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 4299 (MVs/Dublin.IRL/8.16)          |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 5827                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 6318                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 4298                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 6368                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 6481                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 6482                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 6472                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8249                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 6418 (MVs/Quetta.PAK/44.20)         |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8346                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8272                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8306                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8347                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8307                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8359                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8569                                |  | 1        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8621                                |  |          |          |          |          |          | 1        |          |          |          |          |          |          |          |          |          |          |
| 8670                                |  |          |          |          |          |          |          |          |          |          |          |          |          | 1        | 2        |          |          |
| 8777                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8493                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8442                                |  |          |          | 1        |          |          |          |          | 1        | 1        |          | 2        |          |          |          |          |          |
| <b>Total</b>                        | <b>0</b>   | <b>1</b> | <b>0</b> | <b>1</b> | <b>0</b> | <b>0</b> | <b>1</b> | <b>0</b> | <b>1</b> | <b>1</b> | <b>0</b> | <b>2</b> | <b>0</b> | <b>1</b> | <b>0</b> | <b>2</b> | <b>0</b> |
| <b>Genotype D8</b>                  |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8318                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8491                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 5963 (MVs/Patan.IND/16.19)          |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 2266 (MVs/Frankfurt Main.DEU/17.11) |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8765                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8477                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 2279 (MVs/Victoria.AUS/6.11)        |  |          |          |          |          |          | 1        |          |          |          |          |          |          |          |          |          | 1        |
| 8251                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8631                                |  |          |          |          |          |          | 1        |          |          |          |          |          |          |          |          |          |          |
| 8278                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 8700                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 3        |
| 8699                                |  |          |          |          |          |          |          |          |          |          |          |          |          |          | 1        | 1        |          |
| 8248 (MVs/Rudaki.TJK/49.21)         |  |          |          |          |          |          | 1        |          |          |          |          |          |          |          |          |          |          |
| <b>Total</b>                        | <b>0</b>   | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>2</b> | <b>1</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>1</b> | <b>0</b> | <b>5</b> |

Abbreviation: DSId = distinct sequence identifier

\* Weeks with no reported cases are shown as grey boxes

SUPPLEMENTARY FIGURE. Distinct Sequence Identifiers for measles genotypes B3 and D8 detected, by epidemiologic week\* — United States, January 1, 2020–March 21, 2024

| Year/Genotype/DSId (named strain)   | Number of sequences identified by year, epidemiologic week |          |          |          |          |          |          |          |          |          |          |
|-------------------------------------|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                                     | 2024   |          |          |          |          |          |          |          |          |          |          |
| Epidemiologic Week                  | 1  | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        | 10       | 11       |
| <b>Genotype B3</b>                  |  |          |          |          |          |          |          |          |          |          |          |
| 4299 (MVs/Dublin.IRL/8.16)          |  |          |          |          |          |          |          |          |          |          |          |
| 5827                                |  |          |          |          |          |          |          |          |          |          |          |
| 6318                                |  |          |          |          |          |          |          |          |          |          |          |
| 4298                                |  |          |          |          |          |          |          |          |          |          |          |
| 6368                                |  |          |          |          |          |          |          |          |          |          |          |
| 6481                                |  |          |          |          |          |          |          |          |          |          |          |
| 6482                                |  |          |          |          |          |          |          |          |          |          |          |
| 6472                                |  |          |          |          |          |          |          |          |          |          |          |
| 8249                                |  |          |          |          |          |          |          |          |          |          |          |
| 6418 (MVs/Quetta.PAK/44.20)         |  | 1        |          | 1        | 2        | 1        | 2        | 1        | 1        |          | 1        |
| 8346                                |  |          |          |          |          |          |          |          |          |          |          |
| 8272                                |  |          |          |          |          |          |          |          |          |          |          |
| 8306                                |  |          |          |          |          |          |          |          |          |          |          |
| 8347                                |  |          |          |          |          |          |          |          |          |          |          |
| 8307                                |  |          |          |          |          |          |          |          |          |          |          |
| 8359                                |  |          |          |          |          |          |          |          |          |          |          |
| 8569                                |  |          |          |          |          |          |          |          |          |          |          |
| 8621                                |  |          |          |          |          |          |          |          |          |          |          |
| 8670                                |  |          |          |          |          |          |          |          |          |          |          |
| 8777                                |  |          |          |          |          |          |          |          | 1        |          |          |
| 8493                                |  |          |          | 1        |          |          |          |          |          |          |          |
| 8442                                |  |          |          |          |          | 1        |          |          |          |          |          |
| <b>Total</b>                        | <b>0</b>   | <b>1</b> | <b>0</b> | <b>2</b> | <b>2</b> | <b>2</b> | <b>2</b> | <b>1</b> | <b>2</b> | <b>0</b> | <b>1</b> |
| <b>Genotype D8</b>                  |  |          |          |          |          |          |          |          |          |          |          |
| 8318                                |  |          |          |          |          |          |          |          |          |          |          |
| 8491                                |  |          |          | 1        | 1        |          |          |          | 1        |          |          |
| 5963 (MVs/Patan.IND/16.19)          |  |          |          |          |          | 1        | 1        |          | 1        | 1        | 7        |
| 2266 (MVs/Frankfurt Main.DEU/17.11) |  |          |          |          | 1        |          |          |          |          |          |          |
| 8765                                |  |          |          |          |          |          | 1        |          |          |          |          |
| 8477                                |  |          |          |          |          |          |          | 1        |          |          |          |
| 2279 (MVs/Victoria.AUS/6.11)        |  |          |          |          |          | 3        | 2        | 2        |          |          |          |
| 8251                                |  |          |          |          |          |          |          |          |          |          |          |
| 8631                                |  |          |          |          |          |          |          |          |          |          |          |
| 8278                                |  |          |          |          |          |          | 1        |          |          |          |          |
| 8700                                |  |          |          |          |          |          |          |          |          |          |          |
| 8699                                |  |          |          |          |          |          |          |          |          |          |          |
| 8248 (MVs/Rudaki.TJK/49.21)         |  |          |          |          |          |          |          | 1        |          |          |          |
| <b>Total</b>                        | <b>0</b>   | <b>0</b> | <b>0</b> | <b>1</b> | <b>2</b> | <b>4</b> | <b>5</b> | <b>4</b> | <b>2</b> | <b>1</b> | <b>7</b> |

Abbreviation: DSId = distinct sequence identifier

\* Weeks with no reported cases are shown as grey boxes

SUPPLEMENTARY FIGURE. Distinct Sequence Identifiers for measles genotypes B3 and D8 detected, by epidemiologic week\* — United States, January 1, 2020–March 21, 2024

| Year/Genotype/DSId (named strain)                      | Number of sequences identified by year |  |
|--|--|--|
|  | 2020-2024                              |  |
| Epidemiologic Week                                     | Total                                  |  |
| Genotype B3  |  | Location   |
| 4299 (MVs/Dublin.IRL/8.16)                             | 5                                      | California   |
| 5827   | 1                                      | Hawaii   |
| 6318   | 1                                      | Virginia   |
| 4298   | 3                                      | Georgia, Connecticut   |
| 6368   | 1                                      | Washington   |
| 6481   | 9                                      | Virginia, Wisconsin  |
| 6482   | 1                                      | Virginia   |
| 6472   | 33                                     | Virginia, Wisconsin, New Mexico                                      |
| 8249   | 1                                      | Virginia   |
| 6418 (MVs/Quetta.PAK/44.20)                            | 12                                     | Virginia, Washington, Georgia, Ohio, Arizona, Minnesota, California  |
| 8346   | 85                                     | Ohio, Minnesota  |
| 8272   | 5                                      | Minnesota  |
| 8306   | 2                                      | Minnesota  |
| 8347   | 1                                      | Minnesota  |
| 8307   | 1                                      | Ohio   |
| 8359   | 1                                      | Arizona  |
| 8569   | 1                                      | Missouri   |
| 8621   | 1                                      | Florida  |
| 8670   | 3                                      | Pennsylvania   |
| 8777   | 1                                      | California   |
| 8493   | 1                                      | Maryland   |
| 8442   | 10                                     | Washington, California, Illinois, District of Columbia               |
| <b>Total</b>   | <b>179</b>                             |  |
| Genotype D8  |  |  |
| 8318   | 1                                      | Hawaii   |
| 8491   | 3                                      | Virginia, California, Illinois                                       |
| 5963 (MVs/Patan.IND/16.19)                             | 11                                     | Florida, Louisiana, Illinois   |
| 2266 (MVs/Frankfurt Main.DEU/17.11)                    | 1                                      | California   |
| 8765   | 1                                      | Louisiana  |
| 8477   | 1                                      | Michigan   |
| 2279 (MVs/Victoria.AUS/6.11)                           | 13                                     | Virginia, New Jersey, Kentucky, California, Texas, New York, Florida |
| 8251   | 1                                      | Washington   |
| 8631   | 1                                      | Idaho  |
| 8278   | 3                                      | Utah, Maryland, Washington   |
| 8700   | 3                                      | Washington   |
| 8699   | 2                                      | Colorado, California   |
| 8248 (MVs/Rudaki.TJK/49.21)                            | 3                                      | Ohio, Florida, Michigan  |
| <b>Total</b>   | <b>44</b>                              |  |
| Abbreviation: DSId = distinct sequence identifier      |  |  |
| * Weeks with no reported cases are shown as grey boxes |  |  |