

**S5 Table. The most frequently reported EVs in CDC reports representing the years covered by the present study.**

The data has been extracted from the CDC reported enterovirus and human parechovirus surveillance in the USA, covering the years 2006-2009 when the samples were collected for the present study. The figures show the 16 most frequent EVs and parechoviruses in CDC reports, their rank and proportion (%) of all EV and parechovirus reports. The rank and proportion of the same viruses in the present study is shown for comparison. CDC reports were based on a total of 1395 typed EVs detected in different laboratories participating in The National Enterovirus Surveillance System (NESS) [1, 2].

| Serotype             | CDC report (N=1395) |      |      | EV species | Present study (N=384) |      |      |
|----------------------|---------------------|------|------|------------|-----------------------|------|------|
|                      | Rank                | %    | N    |            | Rank                  | %    | N    |
| CV-B1                | 1                   | 15.2 | 212  | B          | 8                     | 3.7  | 14   |
| E-9                  | 2                   | 10.1 | 140  | B          | 15                    | 1.0  | 4    |
| E-6                  | 3                   | 9.8  | 136  | B          | 12                    | 2.6  | 10   |
| E-18                 | 4                   | 8.3  | 115  | B          | 10                    | 3.1  | 12   |
| E-30                 | 5                   | 7.1  | 99   | B          | 14                    | 2.1  | 8    |
| CV-B4                | 6                   | 7.0  | 97   | B          | 6                     | 4.2  | 16   |
| CV-A9                | 7                   | 7.0  | 97   | B          | 11                    | 2.9  | 11   |
| E-11                 | 8                   | 5.2  | 72   | B          | 9                     | 3.4  | 13   |
| CV-B3                | 9                   | 4.8  | 66   | B          | 9                     | 3.4  | 13   |
| CV-B5                | 10                  | 4.2  | 58   | B          | 13                    | 2.3  | 9    |
| EV-D68               | 11                  | 3.4  | 47   | D          | -                     | 0    | 0    |
| CV-B2                | 12                  | 3.1  | 43   | B          | 12                    | 2.6  | 10   |
| E-25                 | 13                  | 2.0  | 27   | B          | 9                     | 3.4  | 13   |
| E-7                  | 14                  | 1.7  | 23   | B          | -                     | 0    | 0    |
| Human parechovirus 1 | 15                  | 1.5  | 21   | -          | N.T.                  | N.T. | N.T. |
| CV-A16               | 16                  | 1.4  | 20   | A          | 7                     | 3.9  | 15   |
| Total                | -                   | 91.3 | 1273 | -          | -                     | 38.5 |      |

N.T. = not tested