**S3 Table. Synonymous substitutions in the NA gene of the Palestinian H1N1 isolates (n=10).** 2015**+**= 2015 isolates including A/Michigan/45/2015(H1N1), the H1N1 vaccine component for the years 2017/2018 and 2018/2019.

|  |  |  |  |
| --- | --- | --- | --- |
| **nt****NA** | **aa****NA** | **Occurrence in Palestinian Sequences** | **Circulation of Substitution** |
| C27A  | T9T | 2 |  2015 |
| A81G | G27G | 3 | 2014, 2015 |
| G123A | G41G | 4 | 2014, 2015**+**, 2017  |
| T162C | I54I | 1  | No |
| T225C | A75A | 1  | No |
| C375T | S125S | 4 | 2014, 2015+, 2017 |
| C627T | N209N | 10 | 2013-2015+ |
| A660G  | R220R | 10 | 2014, 2015+, 2017 |
| T666C | N222N | 1 | No |
| G684A | E228E | 1 | 2015 |
| T708C | G236G | 1 | No  |
| T720C  | T240T | 9 | 2011-2015+, 2017 |
| T720A | T240T | 1 | No |
| C729T | T243T | 1 | No |
| C753T  | A251A | 1  | No |
| A783G  | G261G | 1  | No |
| T846C  | Y282Y | 8 | 2015+, 2017 |
| G1044A | G348G | 10 | 2010-2017+ |
| T1059C | Y353Y | 10 | 2010-2017+ |
| C1134T | N378N | 10 | 2011-2015+, 2017 |
| A1149T  | T383T | 9 | 2014, 2015+-2017 |