

Supplementary table. The demographics of the subjects enrolled in the study

	Children					Adults				
	Total	Control	Group 1	Group 2	Group 3	Total	Control	Group 1	Group 2	Group 3
No. of subjects (No. of subjects with Tonsils)	40 (25)	6 (6)	7 (5)	15 (6)	12 (8)	37 <sup>2</sup> (23)	6 (6)	15 (6)	8 <sup>1</sup> (5)	8 <sup>1</sup> (6)
Gender, M/F	23/17	3/3	4/3	10/5	6/6	9/28	0/6	3/12	3/5	3/5
Median age <sup>2</sup> , years (Range)	4 (3-17)	4.5 (3.5-8)	11 (3-15)	4 (3-13)	4.25 (3-17)	27 (18-51)	23.5 (18-40)	30 (19-51)	24 (18-35)	32.5 (18-42)
No. of subjects with LAIV, one dose/ two doses	7/27	0/0	4/3	1/14	2/10	31/0	0/0	15/0	8/0	8/0
Median DT <sup>3</sup> after LAIV, days (Range)	7.5 (2-22)	N/A <sup>4</sup>	4 (2-5)	7 (6-9)	14 (10-22)	6 (2-21)	N/A <sup>4</sup>	4 (2-5)	7 (6-9)	14.5 (10-21)
Tonsillectomy indication, Chronic tonsillitis/hypotrophy/both	4/15/21	0/3/3	1/1/5	1/7/7	2/4/6	18/7/10 <sup>5</sup>	2/0/3 <sup>5</sup>	9/3/2 <sup>5</sup>	5/1/2	2/3/3
No. of subjects with previous vaccinations, Pandemic 2009/ earlier seasonal vaccine	9/4	0/0	1/0	3/2 <sup>6</sup>	5/2	18/5	2/3	7/1	3/1	6/0

<sup>1</sup> Three adults had only tonsils collected with no plasma or saliva samples, 1 in Group 2, 2 in Group 3.

<sup>2</sup> Children younger than 5 were registered as 3, 3.5, 4 or 4.5 years old.

<sup>3</sup> Days of tonsillectomy (DT) after receiving the live attenuated influenza vaccine.

<sup>4</sup> Not applicable (N/A). Control subjects did not receive the live attenuated influenza vaccine before tonsillectomy.

<sup>5</sup> Two subjects had indication for tonsillectomy unknown, one in Control, the other in Group 1.

<sup>6</sup> Three subjects had unknown Pandemic 2009 vaccination history.