

- 1 Table 2 (supplementary file). Test of the difference in environmental variables across groups with
 2 the cal_diff function.
 3

<u>Samples</u>	<u>Comparison</u>	<u>Measure</u>	<u>Group</u>	<u>P.unadj</u>	<u>P.adj</u>	<u>Significance</u>
<u>oropharynx</u>	CONTROL-CASES	<u>Viral detection</u>	CONTROL	7,831369E-06	1,566274E-05	***
<u>oropharynx</u>	CONTROL-CASES	<u>Type of respiratory virus</u>	CONTROL	2,427405E-10	1,456443E-09	***
<u>oropharynx</u>	CONTROL-CASES	<u>Coinfection</u>	CASES	0,04031035	0,04397493	*
<u>oropharynx</u>	CONTROL-CASES	<u>≥ 3 wheezing episodes</u>	CONTROL	3,220404E-06	9,661211E-06	***
<u>oropharynx</u>	CONTROL-CASES	<u>Respiratory admissions</u>	CONTROL	0,007386788	0,008864145	**
<u>oropharynx</u>	CONTROL-CASES	<u>Chronic asthma treatment</u>	CONTROL	0,04773686	0,04773686	*
<u>oropharynx</u>	CONTROL-CASES	<u>Recurrent wheezing</u>	CONTROL	2,319121E-06	9,276484E-06	***
<u>oropharynx</u>	CONTROL-CASES	<u>Severe bronchiolitis</u>	CASES	6,930312E-18	8,316375E-17	***
<u>Gut</u>	CONTROL-CASES	<u>Viral detection</u>	CASES	1,421115E-05	5,684458E-05	***
<u>Gut</u>	CONTROL-CASES	<u>Type of respiratory virus</u>	CASES	2,161298E-08	1,296779E-07	***
<u>Gut</u>	CONTROL-CASES	<u>Coinfection</u>	CASES	0,06557407	0,06557407	ns
<u>Gut</u>	CONTROL-CASES	<u>≥ 3 wheezing episodes</u>	CASES	7,127038E-05	0,0001710489	***
<u>Gut</u>	CONTROL-CASES	<u>Respiratory admissions</u>	CASES	0,009017149	0,01082058	*
<u>Gut</u>	CONTROL-CASES	<u>Chronic asthma treatment</u>	CASES	0,0566997	0,06185422	ns
<u>Gut</u>	CONTROL-CASES	<u>Recurrent wheezing</u>	CASES	4,417958E-05	0,0001325387	***
<u>Gut</u>	CONTROL-CASES	<u>Severe bronchiolitis</u>	CASES	5,160527E-16	6,192632E-15	***

4