**TABLE S4. Effect of systemic diseases on relationship between salivary marker PC scores and asthma disease control in adults**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Full model\*(n=120) | Full model+BMI(n=109) | Full model+Hypertension | Full model+GERD | Full model+diabetes | Full model +autoimmune disease |
| **ACT Score**Beta coefficient (95% CI) |  |  | n=116 |
| PC1 | -0.22 (-0.72-0.28) | -0.29(-0.72-0.33) | -0.24(-0.75-0.27) | -0.21(-0.73-0.31) | -0.22(-0.73-0.30) | -0.22(-0.74-0.29) |
| PC2 | -0.26 (-0.88-0.35) | -0.24(-0.88-0.40) | -0.17(-0.79-0.45) | -0.25(-0.88-0.37) | -0.21(-0.84-0.42) | -0.25(-0.88-0.37) |
| PC3 | -0.52 (-1.56-0.53) | -0.69(-1.88-0.49) | -0.52(-1.58-0.54) | -0.65(-1.72-0.42) | -0.59(-1.65-0.49) | -0.60(-1.67-0.47) |
| **ACQ Score**Beta coefficient (95% CI) |  |  |  |  |  |  |
| PC1 | **0.96****(0.12-1.80)** | **0.86****(-0.01-1.73)** | **1.05****(0.20-1.90)** | **1.01****(0.13-1.89)** | **1.00****(0.14-1.87)** | **1.05****(0.18-1.92)** |
| PC2 | 0.27(-0.76-1.29) | 0.36(-0.69-1.42) | 0.08(-0.96-1.12) | 0.27(-0.77-1.32) | 0.18(-0.88-1.24) | 0.28(-0.76-1.32) |
| PC3 | 1.29(-0.46-3.03) | 0.76(-1.19-2.72) | 1.01(-0.76-2.79) | 1.34(-0.47-3.14) | 1.16(-0.65-2.96) | 1.14(-0.65-2.94) |
| **Exacerbation**OR (95% CI) |  |  |  |  |  |  |
| PC1 | **1.32****(1.04-1.68)** | **1.31****(1.03-1.66)** | **1.34****(1.06-1.71)** | **1.32****(1.03-1.68)** | **1.34****(1.05-1.70)** | **1.37****(1.07-1.75)** |
| PC2 | 0.91(0.69-1.20) | 0.92(0.70-1.21) | 0.89(0.67-1.18) | 0.90(0.69-1.19) | 0.90(0.68-1.19) | 0.90(0.69-1.19) |
| PC3 | **2.41****(1.41-4.10)** | **2.04****(1.17-3.56)** | **2.28****(1.34-3.90)** | **2.30****(1.35-3.92)** | **2.33****(1.37-4.00)** | **2.29****(1.35-3.91)** |

\*Full model is adjusted for number of teeth, gingivitis, inhaled corticosteroids, and oral corticosteroids

p≤0.05 indicated in **bold**.