

Supplemental Table 5A. FPKMs by Gland

| Gene ID | PG | SMG | SLG |
|----------------|---------------|---------------|----------------|
| <i>Ano1</i> | *27.12 | 11.88 | 9.46 |
| <i>Slc12a2</i> | 93.64 | 62.87 | 43.82 |
| <i>Slc26a6</i> | 1.18 | 4.41 | *38.57 |
| <i>Slc9a1</i> | 1.89 | *5.42 | 2.75 |
| <i>Cftr</i> | 0.58 | *2.76 | 0.56 |
| <i>Lrrc8a</i> | 2.85 | 2.59 | 2.00 |
| <i>Clcn2</i> | 0.85 | *2.30 | 0.39 |
| <i>Kcnn4</i> | *75.65 | 31.25 | 22.86 |
| <i>Kcnma1</i> | 5.18 | 4.47 | *1.21 |
| <i>Scnn1a</i> | 1.15 | *2.27 | 1.06 |
| <i>Scnn1b</i> | 5.40 | *36.28 | 4.59 |
| <i>Scnn1g</i> | 2.09 | *9.81 | 1.25 |
| <i>Aqp5</i> | 87.56 | 69.60 | 80.03 |
| <i>Chrm1</i> | 0.32 | 0.34 | *1.82 |
| <i>Chrm3</i> | 1.32 | 0.74 | 1.14 |
| <i>Adrb1</i> | 4.21 | 5.15 | *0.41 |
| <i>Adrb2</i> | 1.12 | *3.61 | 1.30 |
| <i>Bsnd</i> | 1.85 | *6.83 | 1.20 |
| <i>Lrrc26</i> | 174.93 | 121.86 | *202.24 |
| <i>Slc26a2</i> | *2.48 | 4.49 | 5.03 |
| <i>Slc4a2</i> | 1.49 | 1.32 | 1.36 |
| <i>Slc4a4</i> | 0.62 | 0.46 | 0.77 |
| <i>Slc4a7</i> | 0.52 | 0.83 | 1.04 |
| <i>Slc5a5</i> | 0.24 | 0.31 | 0.05 |
| <i>Slc5a8</i> | 9.45 | 9.10 | *17.32 |

Supplemental Table 5B. FPKMs by Gland and Sex

| Gene ID | PG M | PG F | SMG M | SMG F | SLG M | SLG F |
|----------------|--------|--------|---------------|--------------|--------------|--------|
| <i>Ano1</i> | 27.66 | 26.57 | 12.44 | 11.32 | 9.50 | 9.42 |
| <i>Slc12a2</i> | 85.93 | 101.36 | 50.53 | 75.20 | 40.68 | 46.96 |
| <i>Slc26a6</i> | 1.14 | 1.22 | 2.37 | *6.44 | 39.17 | 37.96 |
| <i>Slc9a1</i> | 1.99 | 1.79 | *8.05 | 2.79 | 3.30 | 2.20 |
| <i>Cftr</i> | 0.50 | 0.66 | *4.36 | 1.16 | *0.86 | 0.26 |
| <i>Lrrc8a</i> | 3.20 | 2.51 | 2.52 | 2.66 | 2.04 | 1.97 |
| <i>Clcn2</i> | 0.89 | 0.82 | *3.59 | 1.02 | 0.49 | 0.30 |
| <i>Kcnn4</i> | 77.58 | 73.73 | 24.33 | 38.18 | 20.48 | 25.24 |
| <i>Kcnma1</i> | 4.24 | 6.12 | 3.47 | 5.48 | 1.19 | 1.23 |
| <i>Scnn1a</i> | 0.99 | 1.32 | 2.86 | 1.69 | 1.22 | 0.90 |
| <i>Scnn1b</i> | 5.27 | 5.52 | *57.96 | 14.60 | *7.91 | 1.27 |
| <i>Scnn1g</i> | 1.89 | 2.28 | 13.15 | 6.48 | *1.96 | 0.55 |
| <i>Aqp5</i> | 82.39 | 92.74 | 47.28 | 91.91 | 69.96 | 90.09 |
| <i>Chrm1</i> | 0.24 | 0.39 | 0.33 | 0.34 | 1.83 | 1.80 |
| <i>Chrm3</i> | 1.42 | 1.22 | 0.68 | 0.80 | 1.02 | 1.26 |
| <i>Adrb1</i> | 3.54 | 4.88 | 3.41 | 6.89 | 0.51 | 0.30 |
| <i>Adrb2</i> | 1.02 | 1.22 | 4.21 | 3.00 | 1.85 | 0.74 |
| <i>Bsnd</i> | 2.18 | 1.51 | 8.50 | 5.15 | *1.82 | 0.57 |
| <i>Lrrc26</i> | 186.92 | 162.93 | 109.07 | 134.66 | 206.72 | 197.75 |
| <i>Slc26a2</i> | 3.04 | 1.93 | 4.96 | 4.02 | 5.18 | 4.87 |
| <i>Slc4a2</i> | 1.49 | 1.49 | 1.19 | 1.45 | 1.34 | 1.39 |
| <i>Slc4a4</i> | 0.52 | 0.71 | 0.62 | 0.29 | 0.77 | 0.78 |
| <i>Slc4a7</i> | 0.51 | 0.54 | 0.69 | 0.97 | 0.99 | 1.10 |
| <i>Slc5a5</i> | 0.23 | 0.26 | 0.49 | 0.13 | 0.09 | 0.02 |
| <i>Slc5a8</i> | 9.77 | 9.13 | 7.40 | 10.80 | 16.29 | 18.35 |

Supplemental Table 5C. qPCR values of *Cftr* and *Scnn1* by Gland and Sex

| Gene ID | PG M | PG F | SMG M | SMG F | SLG M | SLG F |
|---------------|------|------|---------------|-------|-------|--------------|
| <i>Cftr</i> | 0.45 | 0.18 | 5.69 | 2.12 | 0.29 | *0.60 |
| <i>Scnn1a</i> | 3.05 | 2.34 | 6.73 | 5.22 | 3.14 | 2.86 |
| <i>Scnn1b</i> | 2.10 | 1.39 | *24.26 | 10.38 | 0.53 | *0.71 |
| <i>Scnn1g</i> | 0.58 | 0.39 | *6.26 | 2.46 | 0.17 | *0.27 |