|  |  |  |  |
| --- | --- | --- | --- |
| **Condition** | **# NKX2.1+ Airway-like structures that contain Multi-ciliated cells (ACTTUB)** | **Total # of NKX2.1+ Airway-like structures per cross section** | **Percent of Airway-like Structures with Multi-ciliated cells (ACTTUB)**  |
| FGF10 Matrigel | 5 | 6 | 83.33% |
| FGF10 Matrigel | 10 | 10 | 100.00% |
| FGF10 Matrigel | 3 | 3 | 100.00% |
| FGF10 Matrigel | 17 | 18 | 94.44% |
| FGF10 Matrigel | 1 | 1 | 100.00% |
| FGF10 Matrigel | 6 | 6 | 100.00% |
| No Matrigel | 9 | 9 | 100.00% |
| No Matrigel | 1 | 1 | 100.00% |
| No Matrigel | 9 | 9 | 100.00% |
| **Average** | **6.78** | **7** | **97.53%** **SEM: 1.88%** |
| **Condition** | **# NKX2.1+ Airway-like structures that contain CC10+ (Club) Cells** | **Total # of NKX2.1+ Airway-like structures per cross section** | **Percent of Airway-like Structures with CC10+ (Club) Cells** |
| FGF10 Matrigel | 0 | 2 | 0.00% |
| FGF10 Matrigel | 6 | 14 | 42.86% |
| FGF10 Matrigel | 2 | 6 | 33.33% |
| FGF10 Matrigel | 4 | 18 | 22.22% |
| FGF10 Matrigel | 0 | 6 | 0.00% |
| FGF10 Matrigel | 9 | 10 | 90.00% |
| No Matrigel | 8 | 13 | 61.54% |
| No Matrigel | 1 | 1 | 100.00% |
| No Matrigel | 9 | 15 | 60.00% |
| **Average** | **4.33** | **9.44** | **45.55%** **SEM: 11.93%** |
| **Condition** | **# NKX2.1+ Airway-like structures that contain MUC5AC+ (Goblet) Cells** | **Total # of NKX2.1+ Airway-like structures per cross section** | **Percent of Airway-like Structures with MUC5AC (Goblet) Cells**  |
| FGF10 Matrigel | 0 | 2 | 0.00% |
| FGF10 Matrigel | 8 | 14 | 57.14% |
| FGF10 Matrigel | 3 | 6 | 50.00% |
| FGF10 Matrigel | 11 | 18 | 61.11% |
| FGF10 Matrigel | 6 | 6 | 100.00% |
| FGF10 Matrigel | 10 | 10 | 100.00% |
| No Matrigel | 12 | 13 | 92.31% |
| No Matrigel | 1 | 1 | 100.00% |
| No Matrigel | 11 | 15 | 73.33% |
| **Average** | **6.89** | **9.44** | **70.43%** **SEM: 11.02%** |

Figure 2- source data 1