**Supplementary File 1: Table showing summary statistics of a mixed effects linear model for *ptc-lacZ* *(-Gal)*****MFI as a function of Distance and Cell position (distal-proximal).**

|  |  |  |
| --- | --- | --- |
| **Source** | **F Ratio** | **Prob > F** |
| Distance (mm) | 7744.904 | <.0001 |
| Cell position | 2320.251 | <.0001 |
| (Distance)\*(Cell position) | 191.2012 | <.0001 |