**S1 Table. Median (range) histology scores and mean (± SE) change (Δ) in the distance between the distal phalanx (DP) and the hoof wall (HW) at three points relative to the coronet, and the distal phalanx and sole of the foot, after a 48 h period of infusion with saline, insulin, or insulin plus an anti-IGF-1 receptor monoclonal antibody (mAb11).**

|  |  |  |
| --- | --- | --- |
|  | **Left foot** | **Right foot** |
| **Histology score, scale 1-4** |  |  |
|  Negative control (saline) | 0 (0-1) | 0 (0-0.5) |
|  Positive control (insulin) | 2.25 (1-3) | 2.5 (1-3) |
|  Treatment (insulin + mAb11) | 1.50 (0.5-2.25) | 2 (1-3) |
|  |  |  |
|  Δ Proximal HW-DP distance, mm  |  |  |
|  Negative control | -0.20 ± 0.52 | -0.36 ± 0.47 |
|  Positive control (insulin) | 1.06 ± 0.32 | 0.14 ± 0.45 |
|  Treatment (insulin + mAb11)  | 0.32 ± 0.18 | -0.19 ± 0.25 |
|   |  |  |
|  Δ Medial HW-DP distance, mm  |  |  |
|  Negative control | -0.08 ± 0.50 | 0.04 ± 0.38 |
|  Positive control (insulin) | 1.18 ± 0.20 | 0.50 ± 0.55 |
|  Treatment (insulin + mAb11)  | 0.65 ± 0.20 | 0.31 ± 0.22 |
|  |  |  |
|  Δ Distal HW-DP distance, mm  |  |  |
|  Negative control | -0.41 ± 0.60 | 0.26 ± 0.26 |
|  Positive control (insulin) | 1.73 ± 0.38 | 1.08 ± 0.67 |
|  Treatment (insulin + mAb11)  | 0.99 ± 0.38 | 0.37 ± 0.13 |
|  |  |  |
|  Δ DP to sole distance, mm |  |  |
|  Negative control | 0.32 ± 0.28 | 0.49 ± 0.20 |
|  Positive control (insulin) | -0.92 ± 0.16 | -0.91 ± 0.29 |
|  Treatment (insulin + mAb11)  | -0.58 ± 0.21 | -0.47 ± 0.20 |