**SUPPLEMENTAL TABLE 2**

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **p value** | **β value** | **Range** |
| **dnares** | **1.00E-50** | **0.54** | **0.01 - 1cm** |
| kc | 4.84E-03 | -0.1 | 0 - 1 |
| **kbinaral1** | **6.86E-26** | **1.27E-03** | **0.01 - 300** |
| **kbinaral2** | **7.33E-106** | **0.16** | **0 - 5** |
| **kv** | **2.63E-47** | **0.62** | **0 - 1** |
| **ℓ (neck length)** | **1.35E-191** | **0.26** | **0.01 - 10cm** |
| **Mean Curvature (dist < 30cm)** | **6.13E-09** | **0.6** | **Dependent Variable** |
| **Mean Nose Velocity (dist < 30cm)** | **2.30E-19** | **-0.016** | **Dependent Variable** |
| **nc** | **4.67E-09** | **-0.043** | **0 - 5** |
| **nv** | **4.76E-160** | **0.22** | **0 - 5** |
| **σmax** | **1.11E-39** | **0.77** | **0.01 - 1** |
| σmin | 2.50E-01 | 0.074 | 0.01 - 1 |
| τ  | 6.40E-01 | -0.02 | 0.01 - 1 |
| **Vmax** | **9.26E-54** | **0.03** | **20 - 40cm/s** |