**Supplementary Table S1.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Treatment groups** | **Juxta papillary area(µ)** | | **Equator area (µ)** | | **Ora Serrata area (µ)** | |
| **EAU with Saline** | Mean ± s.e.m  141.90± 9.53 | Median  141.05 | Mean± s.e.m  119.24±6.72 | Median  119.33 | Mean± s.e.m  86.15±2.63 | Median  86.18 |
| **EAU with αA crystallin** | 195.42±5.82 | 203.20 | 179.09±9.36 | 181.74 | 112.64±6.76 | 108.20 |
| **EAU with αB crystallin** | 146.88±8.44 | 150.11 | 108.16±5.72 | 108.19 | 80.08±3.22 | 92.22 |
| **EAU with β crystallin** | 192.11±10.58 | 201.55 | 165.47±10.23 | 170.51 | 107.20±5.75 | 108.84 |
| **EAU with γ crystallin** | 146.78± 9.92 | 138.17 | 119.99±6.33 | 122.56 | 87.64±3.32 | 90.30 |

s.e.m = standard error of mean