**S1 Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Treatment** | **Histochemistry** | **Cell Area** | **Average # melanosomes/100 µm2** |
|
| Vehicle | No DOPA | Cell Body | 129 |
| Vehicle | DOPA | Cell Body | 139 |
| 1000 nM YM-201636 | No DOPA | Cell Body | 171.3 |
| 1000 nM YM-201636 | DOPA | Cell Body | 179.4 |
| Vehicle | NO DOPA | Dendrite | 142.5 |
| Vehicle | DOPA | Dendrite | 138.5 |
| 1000 nM YM-201636 | No DOPA | Dendrite | 139.5 |
| 1000 nM YM-201636 | DOPA | Dendrite | 140.6 |