# SUPPLEMENTARY TABLES

**Supplementary Table 1. AMD Patient/ Cybrid cell lines' Patient Information.**

| CYBRID NUMBER | CYBRID TYPE | AGE | GENDER | RACE | HAPLOGROUP |
|---|---|---|---|---|---|
| 1 | AMD | 81 | Female | White | H |
| 2 | AMD | 82 | Female | White | H |
| 3 | AMD | 86 | Female | White | H |
| 4 | AMD | 84 | Female | White | H |
| 5 | AMD | 75 | Female | White | H |
| 6 | AMD | 76 | Male | White | H |
| 7 | AMD | 83 | Male | White | H |
| 8 | AMD | 74 | Male | White | H |
| 9 | AMD | 76 | Male | White | H |
| 10 | AMD | 83 | Male | White | H |

This table provides information about the AMD patients and AMD cybrid cell lines.

**Supplementary Table 2. Effects of PU-91 + EI-12 on cell viability.**

| Effect of EI-12 on cell viability 48 hr Time point | AMD UN | AMD Only PU-91-treated | AMD PU-91 + EI-12 5 µM | AMD PU-91 + EI-12 10 µM | AMD PU-91 + EI-12 20 µM | AMD Only EI-12 20 µM |
|---|---|---|---|---|---|---|
| Mean ± SEM | 1 ± 0.07 | 1.33 ± 0.09 | 1.215 ± 0.09027 | 1.176 ± 0.07125 | 1.253 ± 0.07453 | 1.037 ± 0.1413 |
| Effect of EI-12 on cell viability 72 hr Time point | AMD UN | AMD Only PU-91-treated | AMD PU-91 + EI-12 5 µM | AMD PU-91 + EI-12 10 µM | AMD PU-91 + EI-12 20 µM | AMD Only EI-12 20 µM |
| Mean ± SEM | 1 ± 0.09 | 1.37 ± 0.07 | 1.335 ± 0.08792 | 1.361 ± 0.07264 | 1.452 ± 0.06857 | 1.259 ± 0.1060 |

This table shows the additive effects of PU-91 + EI-12 on cell viability. All values are normalized to 1 and are presented as Mean ± SEM.

**Supplementary Table 3. Effects of PU-91 + EI-78 on cell viability.**

| Effect of EI-78 on cell viability 48 hr Time point | AMD UN | AMD Only PU-91-treated | AMD PU-91 + EI-78 2.5 µM | AMD PU-91 + EI-78 5 µM | AMD PU-91 + EI-78 10 µM | AMD Only EI-78 10 µM |
|---|---|---|---|---|---|---|
| Mean ± SEM | 1 ± 0.07 | 1.33 ± 0.09 | 1.05 ± 0.09 | 1.10 ± 0.06 | 0.91 ± 0.19 | 0.95 ± 0.11 |
| Effect of EI-78 on cell viability 72 hr Time point | AMD UN | AMD Only PU-91-treated | AMD PU-91 + EI-78 2.5 µM | AMD PU-91 + EI-78 5 µM | AMD PU-91 + EI-78 10 µM | AMD Only EI-78 10 µM |
| Mean ± SEM | 1 ± 0.09 | 1.37 ± 0.07 | 1.19 ± 0.04 | 1.17 ± 0.08 | 1.21 ± 0.09 | 0.99 ± 0.09 |

This table shows the additive effects of PU-91 + EI-78 on cell viability. All values are normalized to 1 and are presented as Mean ± SEM.

**Supplementary Table 4. Effects of PU-91 + EI-12 on gene expression.**

| Effect of EI-12 on gene expression | | AMD UN | AMD Only PU-91-treated | AMD PU-91 + EI-12 5 µM | AMD PU-91 + EI-12 10 µM | AMD PU-91 + EI-12 20 µM | AMD Only EI-12 20 µM |
|---|---|---|---|---|---|---|---|
| PGC-1α | Mean ± SEM | 1 ± 0.02 | 3.48 ± 0.45 | 3.16 ± 0.71 | 3.63 ± 0.69 | 2.15 ± 0.24 | 1.82 ± 0.57 |
| Caspase-3 | Mean ± SEM | 1 ± 0.0002 | 0.65 ± 0.04 | 0.78 ± 0.06 | 0.73 ± 0.06 | 0.66 ± 0.09 | 0.74 ± 0.045 |
| IL-18 | Mean ± SEM | 1 ± 0.004 | 0.49 ± 0.09 | 0.82 ± 0.09 | 0.88 ± 0.12 | 0.77 ± 0.11 | 0.78 ± 0.13 |
| VEGF | Mean ± SEM | 1 ± 0.002 | 0.45 ± 0.17 | 0.40 ± 0.09 | 0.37 ± 0.08 | 0.37 ± 0.12 | 0.42 ± 0.16 |
| SOD2 | Mean ± SEM | 1 ± 0.06 | 2.81 ± 0.11 | 2.05 ± 0.83 | 1.57 ± 0.53 | 1.51 ± 0.57 | 0.88 ± 0.22 |

This table shows the additive effects of PU-91 + EI-12 on gene expression. All values are normalized to 1 and are presented as Mean ± SEM.

**Supplementary Table 5. Effects of PU-91 + EI-78 on gene expression.**

| Effect of EI-78 on gene expression | | AMD UN | AMD Only PU-91-treated | AMD PU-91 + EI-78 2.5 µM | AMD PU-91 + EI-78 5 µM | AMD PU-91 + EI-78 10 µM | AMD Only EI-78 10 µM |
|---|---|---|---|---|---|---|---|
| PGC-1α | Mean ± SEM | 1 ± 0.02 | 3.48 ± 0.45 | 2.89 ± 0.41 | 2.09 ± 0.37 | 2.26 ± 0.64 | 1.40 ± 0.48 |
| Caspase-3 | Mean ± SEM | 1 ± 0.0002 | 0.65 ± 0.04 | 0.74 ± 0.019 | 0.85 ± 0.12 | 0.66 ± 0.05 | 0.86 ± 0.06 |
| IL-18 | Mean ± SEM | 1 ± 0.004 | 0.49 ± 0.09 | 0.65 ± 0.13 | 0.55 ± 0.06 | 0.39 ± 0.08 | 0.71 ± 0.25 |
| VEGF | Mean ± SEM | 1 ± 0.002 | 0.45 ± 0.17 | 0.53 ± 0.21 | 0.47 ± 0.14 | 0.51 ± 0.18 | 0.52 ± 0.19 |
| SOD2 | Mean ± SEM | 1 ± 0.06 | 2.81 ± 0.11 | 1.99 ± 0.59 | 1.62 ± 0.57 | 1.82 ± 0.69 | 1.71 ± 0.46 |

This table shows the additive effects of PU-91 + EI-78 on gene expression. All values are normalized to 1 and are presented as Mean ± SEM.