

SUPPLEMENTARY TABLE

Supplementary Table 2. Forty-one differentially expressed genes in the aging-related gene set.

| Gene | ConMean | TreatMean | logFC | pValue | FDR |
|----------|-----------|-----------|-----------|------------|----------|
| APP | 39.247603 | 103.3061 | 1.3962495 | 4.95E-13 | 9.04E-13 |
| BAK1 | 10.175959 | 23.5007 | 1.2075388 | 1.44E-13 | 3.18E-13 |
| BUB1B | 3.1727858 | 6.922003 | 1.1254394 | 2.82E-18 | 1.48E-17 |
| C1QA | 27.634554 | 61.46906 | 1.1533872 | 0.00116444 | 0.001223 |
| CCNA2 | 5.3256053 | 13.96796 | 1.391104 | 3.40E-17 | 1.10E-16 |
| CDKN2A | 1.3581066 | 10.93876 | 3.0097805 | 0.00022727 | 0.000258 |
| DDIT3 | 5.1889558 | 11.92465 | 1.2004307 | 2.80E-10 | 3.66E-10 |
| E2F1 | 2.4063142 | 10.09535 | 2.0687939 | 6.24E-24 | 2.62E-22 |
| EGFR | 9.4966372 | 29.37689 | 1.6291928 | 3.37E-07 | 3.93E-07 |
| EGR1 | 177.67804 | 76.10728 | -1.223159 | 3.95E-09 | 4.88E-09 |
| FEN1 | 6.047823 | 19.74638 | 1.7071004 | 1.23E-22 | 1.73E-21 |
| FOS | 258.19873 | 106.0324 | -1.283977 | 2.88E-10 | 3.66E-10 |
| FOXM1 | 3.1564422 | 14.86446 | 2.2354956 | 3.97E-23 | 8.34E-22 |
| H2AFX | 12.914618 | 29.94685 | 1.2133993 | 4.93E-11 | 6.90E-11 |
| HIF1A | 20.036985 | 49.84471 | 1.314775 | 1.95E-12 | 3.41E-12 |
| HMGB2 | 12.80035 | 33.52158 | 1.3889068 | 3.52E-12 | 5.68E-12 |
| HOXB7 | 1.9075584 | 6.730141 | 1.8189094 | 9.78E-17 | 2.74E-16 |
| HSPD1 | 29.136663 | 59.11269 | 1.0206322 | 2.16E-13 | 4.54E-13 |
| IGFBP3 | 14.93991 | 52.80921 | 1.821618 | 4.89E-09 | 5.87E-09 |
| IL2RG | 5.2557188 | 10.9742 | 1.0621562 | 0.00531744 | 0.005447 |
| IL7R | 3.425877 | 8.258084 | 1.2693337 | 1.29E-11 | 1.86E-11 |
| LMNB1 | 6.6300363 | 15.59522 | 1.234015 | 1.14E-11 | 1.71E-11 |
| MIF | 17.602226 | 43.2198 | 1.2959346 | 4.06E-13 | 8.12E-13 |
| NRG1 | 2.3744663 | 5.626124 | 1.244538 | 7.89E-12 | 1.23E-11 |
| NUDT1 | 5.2909544 | 13.01608 | 1.2986956 | 4.57E-18 | 2.02E-17 |
| PCNA | 24.006157 | 72.29586 | 1.5905086 | 4.81E-18 | 2.02E-17 |
| PDGFRB | 5.6199417 | 14.75284 | 1.3923654 | 6.67E-11 | 9.04E-11 |
| PLAU | 5.8109266 | 82.76741 | 3.8322227 | 3.61E-21 | 3.03E-20 |
| PML | 5.9293315 | 13.05956 | 1.139165 | 1.58E-14 | 3.89E-14 |
| POLD1 | 4.3692004 | 9.422398 | 1.108725 | 4.68E-20 | 2.81E-19 |
| PRKDC | 8.5063936 | 19.21432 | 1.1755628 | 4.48E-13 | 8.56E-13 |
| PTGS2 | 3.8293036 | 10.52787 | 1.4590596 | 0.00116031 | 0.001223 |
| RAD51 | 2.9088248 | 6.234649 | 1.0998719 | 5.46E-22 | 5.73E-21 |
| RECQL4 | 3.5042193 | 8.516179 | 1.2811132 | 3.91E-17 | 1.17E-16 |
| SERPINE1 | 5.2360086 | 90.50704 | 4.1114907 | 3.95E-15 | 1.04E-14 |
| SHC1 | 13.929559 | 33.40669 | 1.2619875 | 1.14E-17 | 4.33E-17 |
| TCF3 | 6.2120472 | 14.51215 | 1.2241211 | 4.46E-21 | 3.12E-20 |

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|-------|-----------|----------|-----------|------------|----------|
| TOP2A | 6.0594999 | 22.28673 | 1.8789141 | 2.72E-17 | 9.52E-17 |
| TP63 | 18.548258 | 54.84206 | 1.563999 | 6.12E-14 | 1.43E-13 |
| UCHL1 | 2.391086 | 13.05015 | 2.4483281 | 0.00077289 | 0.000854 |
| VEGFA | 4.337274 | 9.386313 | 1.1137699 | 2.10E-12 | 3.53E-12 |
