### Major Resources Table

#### Antibodies

| Target antigen | Vendor or Source | Catalog # | Working concentration | Persistent ID / URL |
|----------------|-----------------|-----------|-----------------------|---------------------|
| SIRT1          | Santa Cruz Biotechnology | sc-15404 | 1:1000               | https://www.scbt.com/p/sirt1-antibody-h-300 |
| β-Actin        | Sigma-Aldrich    | A2066     | 1:1000               | https://www.sigmaaldrich.com/IT/it/product/sigma/a2066 |
| Secondary anti-rabbit | Sigma-Aldrich | A0545     | 1:80,000             | https://www.sigmaaldrich.com/IT/it/product/sigma/a0545 |
| SIRT1          | Millipore       | 07-131    | 1:1000               | https://www.merckmillipore.com/IT/it/product/Anti-Sirt1Sir2-Antibody,MM_NF-07-131 |
| Mouse IgG (negative ChIP control) | Millipore | 12-371    | 1:1000               | https://www.merckmillipore.com/IT/it/product/Normal-Mouse-IgG,MM_NF-12-371 |

#### DNA/cDNA Clones

| Clone Name                  | Sequence                                             | Predicted amplicon size (bp) |
|-----------------------------|-------------------------------------------------------|------------------------------|
| Human-SIRT1-forward         | TAG CCT TGT CAG ATA AGG AAG GA                        | 160                          |
| Human-SIRT1-reverse         | ACA GCT TCA CAG TCA ACT TTG T                        | 114                          |
| Human-p66Shc-forward        | GCC AAA GAC CCT GTG AAT CAG                          | 150                          |
| Human-p66Shc-reverse        | GTA TTG TTT GAA GGC CAA CTC G                        | 109                          |
| Human-FOXO3-forward         | CGG ACA AAC GGC TCA CTC T                            | 154                          |
| Human-FOXO3-reverse         | GGA CCC GCA TGA ATC GAC TAT                          | 156                          |
| Human-SOD2-forward          | TTT CAA TAA GGA ACG GGG ACA C                         | 73                           |
| Human-SOD2-reverse          | GTG CTC CCA CAC ATC AAT CC                           | 109                          |
| Human-ARGII-forward         | GCA GCT TGT TGG TTG TCA CT                           | 154                          |
| Human-ARGII-reverse         | TTC CTG CTA AGT GGC TGT GT                           | 122                          |
| Human-SIRT3-forward         | GAA CAT GGC GT TT CTG GGG TT                         | 83                           |
| Human-SIRT3-reverse         | CTC GAC CCG TTC AAC TAC CC                           | 96                           |
| Human-CYTB-forward          | CTC ATT CAT CGA CCT CCC CA                           | 156                          |
| Human-CYTB-reverse          | TGG GCG ATT GAT GAA AAG GC                           | 259                          |
| Human-ATP6-forward          | GGG CGC AGT GAT TAT AGG CT                            | 217                          |
| Human-ATP6-reverse          | TAA GGG GTG TAG GTG TGC CT                            | 176                          |
| Human-ND2-forward           | CCTAGCCTAATCTACTCTACC                                 |                             |
| Human-ND2-reverse           | CGAGAAGGGAGATGAGTGTGG                                 |                             |
| Human-ND5-forward           | GTG ATG CCC AGG GAA GAC AG                           |                             |
| Human-ND5-reverse           | CCC ACA ATT GAA ACA TTT CGG A                        |                             |
| p66Shc promoter-forward     | CTT ACT GTA TGG GGT AGC GGT T                        |                             |
| p66Shc promoter-reverse     | ACG GAA AGG AAG GAG ATA GGA G                        |                             |
| ARGII promoter-forward      | CTG CGA AGA AGG TGT GCC                              |                             |
| ARGII promoter-reverse      | TGG AGG AGA CGC GAG AGG                              |                             |
| SIRT3 promoter-forward      | TTG TGG TGT CAG CCT TTG T                            |                             |
| SIRT3 promoter-reverse      | CAT TTC TGT ACC CTG CGC TC                           |                             |

#### Other

| Description | Source / Repository | Persistent ID / URL |
|-------------|---------------------|---------------------|
| Pressure Myograph System DMT 114P | Danish Myo Technology A/S | https://www.dmt.dk/pressure-myograph-114p.html |
| Description                                      | Source / Repository          | Persistent ID / URL                                               |
|--------------------------------------------------|------------------------------|------------------------------------------------------------------|
| Norepinephrine                                   | Sigma Aldrich SRL            | https://www.sigmaaldrich.com/IT/it/product/sigma/a7257           |
| Acetylcholine                                     | Sigma Aldrich SRL            | https://www.sigmaaldrich.com/IT/it/product/sigma/a6625           |
| Sodium nitroprusside                             | Sigma Aldrich SRL            | https://www.sigmaaldrich.com/IT/it/product/sigaldr/71778L        |
| L-NAME                                           | Sigma Aldrich SRL            | https://www.sigmaaldrich.com/IT/it/product/sigma/n5751           |
| SRT1720                                          | Sigma Aldrich SRL            | https://www.sigmaaldrich.com/IT/it/product/mm/567860             |
| sc-40986                                         | Sigma Aldrich SRL            | https://www.sigmaaldrich.com/IT/it/product/sigma/a6625           |
| mitoTEMPO                                        | Sigma Aldrich SRL            | https://www.sigmaaldrich.com/IT/it/product/sigma/sml0737         |
| tempol                                           | Sigma Aldrich SRL            | https://www.sigmaaldrich.com/IT/it/product/aldrich/176141        |
| rotenone                                         | Sigma Aldrich SRL            | https://www.sigmaaldrich.com/IT/it/product/sigma/r8875           |
| Gp91dstat                                        | Sigma Aldrich SRL            | https://www.sigmaaldrich.com/IT/it/product/mm/567860             |
| Lipofectamine RNaiMAX                            | Invitrogen, TerumoFisher     | https://www.thermofisher.com/it/en/home/brands/product-brand/lipofectamine/lipofectamine-rnaimx.htmlacet |
| TRizol Reagent                                   | Invitrogen, TerumoFisher     | https://www.thermofisher.com/order/catalog/product/15596026       |
| Moloney murine leukaemia virus reverse transcriptase and random hexamers | Amersham Bioscience | https://www.cytilife.com/en/it/shop/molecular-biology/pcr-and-amplification/kits-and-ready-to-go-beads/illustra-ready-to-go-rt-pcbr-beads-p-6202 |
| SYBR Select Master Mix                          | Thermo Fischer              | https://www.thermofisher.com/it/en/home/life-science/pcr/real-time-pcr/real-time-pcr-reagents/sybr-green-real-time-master-mixes/sybr-select-master-mix.html |
| Quant Studio 5                                   | Thermo Fischer              | https://www.thermofisher.com/order/catalog/product/A28139?SID=srch-srp-A28139 |
| Quant Studio 7                                   | Thermo Fischer              | https://www.thermofisher.com/order/catalog/product/A43162?SID=srch-srp-A43162 |
| MitoSOX Red                                      | Thermo Fisher               | https://www.thermofisher.com/order/catalog/product/M36008         |
| DAF-FM                                           | Thermo Fisher               | https://www.sigmaaldrich.com/IT/it/product/sigma/d2321           |
| ENZ-51013 ROS-ID® NO Detection kit               | Enzo Life Sciences Inc      | https://www.enzolifesciences.com/ENZ-51013/ros-id-no-detection-kit/ |
| MITOPY1                                          | Bio-Technne srl              | https://www.tocris.com/products/mitopy1_4428                      |
| RIPA buffer, R0278                                | Sigma-Aldrich               | https://www.sigmaaldrich.com/IT/it/product/sigma/r0278           |
| Amersham Protan Nitrocellulose 0.45 μm            | GE-Healthcare               | https://www.sigmaaldrich.com/IT/it/product/sigma/ge10600002      |
| Clarify MAX Western ECL Substrate                | Bio-Rad Laboratories         | https://www.bio-rad.com/it-it/sku/1705062-clarity-max-western-ecl-substrate-100-ml?ID=1705062 |
| ChemiDoc Imaging System                          | Bio-Rad Laboratories         | https://www.bio-rad.com/it-it/product/chemidoc-mp-imaging-system?ID=NINJ8ZE8Z |
| Magna ChiP Assay Kit                             | Millipore                   | https://www.sigmaaldrich.com/IT/it/product/mm/17610              |

**Software**

| Description                  | Source / Repository | Persistent ID / URL                                               |
|-----------------------------|--------------------|------------------------------------------------------------------|
| SPSS version 20.0            | IBM                | https://www.ibm.com/it-it/analytics/spss-statistics-software     |
| GraphPad Prism 7.04          | GraphPad           | https://www.graphpad.com/scientific-software/prism/              |
| Jamovi version 2.3           | The Jamovi Project | https://www.jamovi.org/                                          |
| McBiophotonics Image J, version 1.53 | National Institutes of Health | https://imagej.nih.gov/ij/download.html |