Supplementary document 1

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| qPCR | Sequence |
| BBC3-Forward | 5′- GGCATAGAGCCACATGCGA - 3′; |
| BBC3-Reverse | 5′- GGCATAGAGCCACATGCGA - 3′; |
| Bcl2l11-Forward | 5′- ACTTGGATTCACACCACCTCC - 3′; |
| Bcl2l11-Reverse | 5′- GTCGGGATTACCTTGCGGTT - 3′; |
| GAPDH-Forward | 5′-CATCACCATCTTCCAGGAGCG -3′; |
| GAPDH-Reverse | 5′-TGACCTTGCCCACAGCCTTG -3′. |

qPCR Primer

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| Primary antibodies | Code | Working Concentration |
| anti-Cx43 antibody (CST) | 3512S | 1:1000 |
| anti-Sirt1 antibody (CST) | 2493S | 1:1000 |
| anti- FoxO3a antibody (CST) | 12829S | 1:1000 |
| anti- Bim antibody (CST) | 2933S | 1:1000 |
| anti- Puma antibody (CST) | 98672S | 1:1000 |
| anti- GAPDH antibody (CST) | 5174S | 1:5000 |

Primary antibodies in western blot