Supplementary Table 1

List of primers used for qRT-PCR experiments

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| **Gene** | **Description**  | **Forward (5′→3′)**  | **Reverse (5′→3′)**  |
| *GAPDH* | Glyceraldehyde-3-Phosphate Dehydrogenase | TCCTCTGACTTCAACAGCGA | GGGTCTTACTCCTTGGAGGC  |
| *NANOG* | Nanog Homeobox  | TGCAAGAACTCTCCAACATCCT | ATTGCTATTCTTCGGCCAGTT |
| *OCT4* | POU Class 5 Homeobox 1  | GGAGGAAGCTGACAACAATGAA | GGCCTGCACGAGGGTTT |
| *SOX2* | SRY-Box Transcription Factor 2  | GGGAAATGGGAGGGGTGCAAAAGAGG | TTGCGTGAGTGTGGATGGGATTGGTG |
| *AFP* | Alpha Fetoprotein  | GTGCCAAGCTCAGGGTGTAG  | CAGCCTCAAGTTGTTCCTCTG |
| *NKX2.5* | NK2 Homeobox 5  | ACCCTGAGTCCCCTGGATTT  | TCACTCATTGCACGCTGCAT |
| *PAX6* | Paired Box 6  | CAGCTTCACCATGGCAAATAA | ATCATAACTCCGCCCATTCA |
| *GATA4* | GATA Binding Protein 4  | GGCCTGTCATCTCACTACGG | ATGGCCAGACATCGCACT |
| *FOXA2* | Forkhead Box A2  | CCGACTGGAGCAGCTACTATG | TGTACGTGTTCATGCCGTTC |
| *HAND1* | Heart And Neural Crest Derivatives Expressed 1 | CCAGCTACATCGCCTACCTG | CCGGTGCGTCCTTTAATCCT |
| *CD31* | Platelet And Endothelial Cell Adhesion Molecule 1  | ATGCCGTGGAAAGCAGATAC | CTGTTCTTCTCGGAACATGGA |
| *NESTIN* | Nestin | CAGCGTTGGAACAGAGGTTGG | TGGCACAGGTGTCTCAAGGGTAG |
| *NRF2* | Nuclear Factor, Erythroid 2 Like 2  | CATCCAGTCAGAAACCAGTGG | AATGAAGACTGGGCTCTCGA |
| *GPX2* | Glutathione Peroxidase 2  | GGCTTCCCTTGCAACCAATT | GGGTCATCATAAGGGTAGGGG |
| *GPX3* | Glutathione Peroxidase 3  | GGCTTTCCCTGCAACCAATT | AAGAGGCGGTCAGATGTACC |
| *SOD1* | Superoxide Dismutase 1  | GGAGACTTGGGCAATGTGAC | CACAAGCCAAACGACTTCCA |
| *SOD2* | Superoxide Dismutase 2  | CACTAGCAGCATGTTGAGCC | CCTGGTACTTCTCCTCGGTG |
| *HMOX1* | Heme Oxygenase 1  | TGCTGACCCATGACACCAAG | AAGCCCTACAGCAACTGTCG |
| *NQO-1* | NAD(P)H Quinone Dehydrogenase 1  | ATCCTGCCGAGTCTGTTCTG | TTTCAGAATGGCAGGGACTC |
| *HIF1A* | Hypoxia Inducible Factor 1 Subunit Alpha  | GCCAGATCTCGGCGAAGTAA | ACCATAACAAAACCATCCAAGGC |
| *HIF2A* | Hypoxia-Inducible Factor 2 Alpha  | CAGTGTGAGCTCCCATCTGG | GCTCCACCTGTGTAAGTCCC |
| *BIM* | BCL2 Like 11  | GCTGTCTCGATCCTCCAGTG | TCCAATACGCCGCAACTCTT |
| *BAX* | BCL2 Associated X, Apoptosis Regulator  | GGACGAACTGGACAGTAACATGG | GCAAAGTAGAAAAGGGCGACAAC |
| *CASP9* | Caspase 9  | GAGGGAGTCAGGCTCTTCCT | GTCCACTGGTCTGGGTGTTT |
| *CASP3* | Caspase 3 | CCTCTTCCCCCATTCTCATT | TCCAGGGATATTCCAGAGTCC |
| *BRCA1* | BRCA1 DNA Repair Associated  | CTCAAGGAACCAGGGATGAA | CGCTTCTCAGTGGTGTTCAA |
| *DMC1* | DNA Meiotic Recombinase 1  | AGGGGCTTCACCTTGAAAAT  | TGTCAGCCACGTTAATTCCA  |
| *PCNA* | Proliferating Cell Nuclear Antigen  | AAGCACCAAACCAGGAGAAA | TCACTCCGTCTTTTGCACAG |
| *POLQ* | DNA Polymerase Theta  | GGTCTGATCAATCGCCTCAT | AGCAGATACCCTCGGTGAGA |
| *ALDOA* | Aldolase, Fructose-Bisphosphate A | AAGGAGCTGTCTGACATCGC | TTCTCGGTGCCAATGGACTG |
| *PGK1* | Phosphoglycerate Kinase 1  | GGATTAAGGCTGCTGTCCCA | TTCTGGGCCTACACAGTCCT |
| *ENO1* | Enolase 1  | CCTAGAGCTCCGGGACAATG | GGCGTTCGCACCAAACTTAG |
| *PKM* | Pyruvate Kinase M1/2  | ATTCACCACCCATCACAGCC | CTTGATGGTCTCCGCATGGT |
| *G6PC* | Glucose-6-Phosphatase Catalytic Subunit 1  | CACTTCCGTGCCCCTGATAA | CCGAAATCTGTAGGTCGGCT |
| *FBP1* | Fructose-Bisphosphatase 1  | CTTTGCCACGTGTGTTCTCG | ACGGACACAAGGCAATCGATG |
| *G6PD* | Glucose-6-Phosphate Dehydrogenase  | AGGCCGTCACCAAGAACATT | CGATGCGGTAGATCTGGTCC |
| *PGD* | Phosphogluconate Dehydrogenase  | GCTCTTCGGTTCTGCTCTGT | TAAGTTCTGGCCCATGACGG |
| *PDK1* | Pyruvate Dehydrogenase Kinase 1  | CCTAGAGGGTTACGGGACAG  | TTCCGATGTCCCAAGTGTGT |
| *UCP2* | Uncoupling Protein 2  | CACAGATGTGCCCCCTACTG | CAGTACGCACCATGGTCAGA |
| *FTH1* | Ferritin Heavy Chain 1  | CATCAACCGCCAGATAAC | GATGGCTTTCACCTGCTCAT |