**Supplementary File 2** List of primers used in pSmad1/5/9 ChIP-qPCR

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| --- | --- | --- |
| **Name** | **Primer sequence** | **Notes** |
| HPRT1 | For: TGTTTGGGCTATTTACTAGTTGRev: ATAAAATGACTTAAGCCCAGAG | Negative control([Morikawa et al., 2011](#_ENREF_2); [Sullivan & Santos, 2020](#_ENREF_3)) |
| HBB | For: GGGCTGAGGGTTTGAAGTCCRev: CATGGTGTCTGTTTGAGGTTGC | Negative control([Morikawa et al., 2011](#_ENREF_2)) |
| ID1 | For: AGTCCGTCCGGGTTTTATGRev: TGTGTCAGCGTCTGAACCAG | Positive control([Morikawa et al., 2011](#_ENREF_2); [Sullivan & Santos, 2020](#_ENREF_3)) |
| ID2 | For: ACTCTATTTACCACCCCAGCRev: AGCTTCCCTTCGTCCCCAT |  |
| TXN | For: CAGGGCTGGATTCCTCGAAARev: CAAGGACGTACACACCGAGA |  |
| PRDX5 | For: GTATGGGACTAGCTGGCGTGRev: TCACTGTACCGTCTTGCTGC |  |
| GPX4 | For: GAAGCAGAGACGGGAGGTTCRev: CTTGTGTCTAGGAGGCCGTG |  |
| SOD3 | For: TCTGAGGGGTTAGTGGGGAGRev: CCCCTTTCTCGTCACTCCAG |  |

**References**

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Sullivan, A. E., & Santos, S. D. M. (2020). An Optimized Protocol for ChIP-Seq from Human Embryonic Stem Cell Cultures. *STAR Protoc, 1*(2), 100062. doi:10.1016/j.xpro.2020.100062