

**Table S1: Sequence of primers used in qRT-PCR and ChIP-PCR**

Primers	Forward (5'-3')	Reverse (5'-3')
SOX2	TCAGGAGTTGTCAAGGCAGAG	GGCAGCAAACACTACTTTCCGC
ISG54	AATAGGACACGCTGTGGCTC	AGGCTGGCAAGAATGGAACA
ISG56	GTGCTTGAAGTGGACCCTGA	CCTGCCTTAGGGGAAGCAAA
IFNA1	ACACCAGGTCACGCTTTCAT	AGCATGGTCATAGTTATAGCAGGG
IFNB	ATGACCAACAAGTGTCTCCTCC	GCTCATGGAAAGAGCTGTAGTG
ChIP-SOX2-P1	CCCCTTTCATGCAAAACCCG	GTTTCTAGCGACCAATCAGCG
ChIP-SOX2-P2	AAGTACCCTGCACCAAAAAGT	GCCTTTTCGAAGGAAGTGGG
ChIP-SOX2-P3	GCTGCGAGAGGGGATACAAA	GCTGCCGGGTTTTGCATGA
ChIP-SOX2-P4	AAGCCACCTCCATACAGTGC	CTCAAAAGTGCAGGCGATGG

**Table S2: Antibodies used in immunoblotting, IP and ChIP**

Antibodies	Sources	Identifier	Dilution
Rabbit monoclonal Anti-XPC	Cell Signaling Technology	14768S	1:1000 WB 1:50 IP, ChIP
Rabbit monoclonal Anti-SOX2	Cell Signaling Technology	3579S	1:1000 WB
Rabbit monoclonal Anti-p-STAT1 (Y701)	Cell Signaling Technology	9167S	1:1000 WB
Rabbit monoclonal Anti-p-STAT1 (S727)	Cell Signaling Technology	9177S	1:1000 WB
Rabbit monoclonal Anti-STAT1	Cell Signaling Technology	14995S	1:1000 WB 1:50 IP, ChIP
Rabbit monoclonal Anti-p-STAT2 (Y690)	Cell Signaling Technology	88410S	1:1000 WB
Rabbit Polyclonal Anti-STAT2	Cell Signaling Technology	72604S	1:1000 WB
Rabbit Polyclonal Anti-p-STAT3 (Y705)	Cell Signaling Technology	9145S	1:1000 WB
Rabbit Polyclonal Anti-STAT3	Cell Signaling Technology	4904S	1:1000 WB
Mouse monoclonal Anti-GAPDH	Santa Cruz Biotechnology	sc-365062	1:5000 WB
Mouse monoclonal Anti-Tubulin	Cell Signaling Technology	3873S	1:5000 WB
Mouse monoclonal Anti-Vinculin	Santa Cruz Biotechnology	sc-73614	1:5000 WB
Goat Anti-Rabbit IgG Antibody, HRP conjugate	Sigma	12-348	1:5000 WB
Goat Anti-Mouse IgG Antibody, HRP conjugate	Sigma	12-349	1:5000 WB