

Table 3. Genes up-regulated in *Parp-1*^{-/-} ES cells

Accession No.	Fold change ^{a)}			Symbol	Chromosome	Gene description
	H vs W	210-58 vs J1	226-47 vs J1			
Cell cycle/cell proliferation/cell death						
X58196	3.1	3.3	2.9	<i>H19</i>	7	H19 non-coding RNA
AI842665	3.0	3.1	2.8	<i>Tax1bp3</i>	11	Human T-cell leukemia virus type I binding protein 3
Cell structure/cell adhesion						
X04017	2.3	2.3	2.3	<i>Sparc</i>	11	Cysteine-rich glycoprotein SPARC
M26071	2.1	2.5	1.8	<i>F3</i>	3	Coagulation factor III
M91236	2.1	2.1	2.1	<i>Gjb5</i>	4	Gap junction membrane channel protein beta 5
Immune response						
U13705	2.3	2.1	2.4	<i>Gpx3</i>	11	Glutathione peroxidase 3
Metabolism						
AW120625	2.3	1.9	2.7	<i>Pgd</i>	4	Phosphogluconate dehydrogenase
M64782	2.2	1.9	2.5	<i>Folr1</i>	7	Folate-binding protein 1 (FBP1)
X97755	2.0	2.1	2.0	<i>Ebp</i>	x	Phenylalkylamine Ca2+ antagonist (emopamil) binding protein
Protein biosynthesis/degradation						
W71352	3.9	4.2	3.6	<i>Bag2</i>	1	Bcl2-associated athanogene 2
AI844175	3.4	3.4	3.4	<i>Mrps11</i>	7	Mitochondrial ribosomal protein S11
U16163	2.9	2.9	2.8	<i>P4ha2</i>	11	Prolyl 4-hydroxylase alpha(II)-subunit
D00622	2.5	2.0	3.0	<i>Lrpap1</i>	5	Low density lipoprotein receptor related protein, associated protein 1
X60676	2.3	2.4	2.2	<i>Serpinh1</i>	7	HSP47
AW124432	2.1	1.8	2.5	<i>Mrpl12</i>	11	Mitochondrial ribosomal protein L12
AI839392	2.0	2.0	2.1	<i>Aars</i>	8	Alanyl-tRNA synthase
Transcription/replication						
D49473	3.4	3.0	3.7	<i>Sox17</i>	1	SRY-box containing gene 17
U51335	2.5	2.5	2.6	<i>Gata6</i>	18	GATA-binding protein 6
U79962	2.4	2.1	2.6	<i>Tarbp2</i>	15	TAR (HIV) RNA binding protein 2
D49473	2.1	1.9	2.3	<i>Sox17</i>	1	SRY-box containing gene 17
Transport						
D14077	2.2	2.1	2.2	<i>Clu</i>	14	Clusterin
Others						
M34603	2.6	2.3	3.0	<i>Prg</i>	10	Proteoglycan core protein
AA793009	2.3	2.0	2.7	<i>Tex19</i>	11	Testis expressed gene 19
Unknown						
AI846553	3.2	3.0	3.3	<i>1110020C13Rik</i>	15	Hypothetical protein
AI845664	2.1	2.0	2.2	<i>Grwd</i>	7	Glutamate-rich WD repeat containing 1

^{a)} H, *Parp-1*^{-/-} ES cells (210-58 and 226-47); W, wild-type cells (J1).