

Appendix A

Table A.1 Transcripts induced at least 4-fold ($p \leq 0.01$) by deferoxamine (DFO).
Fold change is expressed as DFO non-induced compared to DFO-induced.

Sequence Name(s)	Accession #	Fold Change	P-value
IGFBP3	BF340228	-46.1235	0.000
LOC401317	AW071804	-35.80132	0.000
ANGPTL4	NM_016109	-33.18072	0.000
IGFBP3	M31159	-25.49711	0.000
ATF3	NM_001674	-24.4803	0.000
ISG20	NM_002201	-20.94991	0.000
FLJ25818,LOC441279,LOC442615	NM_173503.1	-20.55165	0.000
EHD2	AI417917	-20.46979	0.000
LOX	BE503425	-19.36447	0.000
SLC30A1	AI553933	-16.95462	0.000
TNFAIP3	AI738896	-16.9183	0.000
MAFF	NM_012323	-16.58979	0.000
MAFF	AL021977	-16.44186	0.000
FLJ14888	AI264119	-16.20913	0.000
ALDOC	NM_005165	-15.45016	0.000
LOC283666	AW006185	-15.24461	0.000
CA12	BC001012	-15.0778	0.000
SLC6A6	NM_003043	-14.90421	0.000
HIG2	BC001863	-14.82573	0.000
ANGPTL4	AF169312	-14.22061	0.000
IL1A	M15329	-13.46487	0.000
C10orf10	AL136653	-13.43917	0.000
DOK3	BC004564	-13.38479	0.000
HBEGF	M60278	-13.32192	0.000
LOC283666	BG149557	-13.15779	0.000
RORA	U04897	-13.003	0.000
FLJ14503	AW237462	-12.77904	0.000
SEMA5B	BC002776	-12.40311	0.000
C21orf2	AW300217	-12.3729	0.000
GAL3ST1	NM_004861	-12.20675	0.000
GPRC5A	AA156240	-11.96735	0.000
TNFAIP3	NM_006290	-11.93966	0.000
EGR2	NM_000399	-11.83266	0.000
LOX	NM_002317	-11.51593	0.000
HIG2	NM_013332	-11.45339	0.000
LOC387763	AW276078	-11.4146	0.000
LOC283666	AA034012	-11.20671	0.000
EGR1	NM_001964	-10.69719	0.000
FOS	BC004490	-10.50189	0.000
NOG	AL575177	-10.47427	0.000
DUSP1	NM_004417	-10.37937	0.000
EGR1	AI459194	-10.30279	0.000
TGFA	M31172	-10.21861	0.000
HA-1	BE349017	-10.20424	0.000
LOX	L16895	-10.1672	0.000

GPR54	AI819198	-10.1524	0.000
HBEGF	NM_001945	-10.12677	0.000
C1orf165	NM_024603	-9.84116	0.000
RNF165	BF529886	-9.81439	0.000
BHLHB3	AI819798	-9.76762	0.000
SLC30A1	AI972416	-9.57328	0.000
LOC441301,LOC442647	AI949265	-9.52985	0.000
JMJD3	AI830331	-9.4991	0.000
IL8	AF043337	-9.48842	0.000
AFFX-HUMRGE/M10098_M_at		-9.25058	0.000
KCTD11	AI859242	-9.17147	0.000
C10orf10	AI302100	-8.97028	0.000
PCSK5	NM_006200	-8.83342	0.000
236915_at	AA625683	-8.80046	0.000
MMP10	NM_002425	-8.79866	0.000
CYP26A1	NM_000783	-8.6738	0.000
IL8	NM_000584	-8.64238	0.000
MT3	NM_005954	-8.6384	0.000
GPR146	BE645027	-8.45262	0.000
ATF3	NM_001674	-8.41558	0.000
ZP1	AA890119	-8.3839	0.000
LOC154761	AI928764	-8.34176	0.000
JAG2	AF029778	-8.31181	0.000
PFKFB4	NM_004567	-8.25662	0.000
MAF	NM_005360	-8.13744	0.000
PDGFB	NM_002608	-8.13164	0.000
GPRC5A	NM_003979	-8.02701	0.000
RORA	L14611	-8.01719	0.000
PTGS2	NM_000963	-7.97007	0.000
ZSWIM5	AI479419	-7.94248	0.000
STC2	BC000658	-7.76617	0.000
C14orf132	AK025915	-7.766	0.000
PPFIA4	AK023365	-7.53585	0.000
GRIA3	NM_000828	-7.45024	0.000
HOXA13	BG289306	-7.44272	0.000
PTX3	NM_002852	-7.33377	0.000
BHLHB3	BE857425	-7.11919	0.000
MXI1	NM_005962	-6.98624	0.000
PCSK5	NM_006200	-6.97161	0.000
NRN1	NM_016588	-6.9654	0.000
ELAVL3	AY036909	-6.8131	0.003
FAM13A1OS	AI537367	-6.77152	0.001
VWA1	NM_022834	-6.76114	0.000
JAM2	NM_021219	-6.68656	0.000
IGFBP5	NM_000599	-6.66928	0.000
LOC202451	AI800896	-6.66353	0.000
SYT17	NM_016524	-6.64564	0.000
DLX2	NM_004405	-6.59872	0.000
RAB20	NM_017817	-6.59022	0.000
C1orf79	AF277181	-6.57172	0.000

EGFL3	AI655611	-6.54376	0.000
EHD2	AI417917	-6.53449	0.000
RAB30	AA489100	-6.53172	0.000
231250_at	AI394574	-6.52727	0.000
ISG20	U88964	-6.48207	0.000
PPP2R5B	L42374	-6.43047	0.000
MXD1	AI188653	-6.42786	0.000
RASSF4	AI890191	-6.34946	0.000
C1orf51	AW080835	-6.33312	0.000
TSPYL2	NM_022117	-6.3013	0.002
LOC286044	W60806	-6.23318	0.000
226863_at	AI674565	-6.23059	0.000
RASSF1	NM_007182	-6.22368	0.000
TCP11L2	AF306673.1	-6.21602	0.000
FAM80A	BE673800	-6.19399	0.000
CA12	AL050025	-6.17403	0.000
PLAGL1	BG547855	-6.08108	0.000
WSB1	N24643	-6.07038	0.000
GADD45B	AF087853	-6.01074	0.000
FOSB	NM_006732	-5.96563	0.000
DPYSL4	AW090187	-5.95285	0.000
SMAD7	NM_005904	-5.92344	0.000
LY6K	AA723810	-5.91307	0.000
NDRG1	AI732596	-5.90127	0.000
IGFBP5	BM128432	-5.87732	0.000
PPP1R15A	NM_014330	-5.84648	0.000
STC2	AI435828	-5.81599	0.000
ANG,RNASE4	NM_001145	-5.8028	0.000
NDRG1	NM_006096	-5.79734	0.000
TNFRSF19L	AW571669	-5.78277	0.000
LOC93622	AL562398	-5.74558	0.000
NPPB	NM_002521	-5.67995	0.000
CAMK1D	AA835485	-5.6673	0.000
CA12	NM_001218	-5.62296	0.000
ERO1L	BE966748	-5.60987	0.000
EFNA3	AW189015	-5.59674	0.000
FAM13A1	NM_014883	-5.58908	0.000
RASSF4	N49935	-5.57877	0.000
RAB11B	NM_004218	-5.50831	0.001
CA12	BF752277	-5.48895	0.000
CRABP2	NM_001878	-5.48876	0.000
LOC257407	BE856707	-5.47156	0.002
ARID3B	NM_006465	-5.47179	0.009
SERTAD1	BC002670	-5.43964	0.000
ANKRD37	AA886870	-5.39046	0.000
CMKOR1	AI817041	-5.38849	0.000
HOXA13	R33750	-5.38176	0.000
PPP1R3C	N26005	-5.37754	0.000
DPYSL4	NM_006426	-5.36732	0.000
EPAS1	AF052094	-5.3502	0.000

CRYBB2	NM_000496	-5.34145	0.000
SLC2A3	BE550486	-5.33268	0.000
JMY	AI814405	-5.32869	0.000
ZNF395	N36098	-5.3253	0.000
MXD1	AW071793	-5.32136	0.000
PEAR1	AL040178	-5.31271	0.004
ITPR1	NM_002222	-5.28416	0.000
ZNF395,FBXO16	AK021850	-5.26661	0.000
GADD45B	NM_015675	-5.20871	0.000
TTYH2	BC004233	-5.20161	0.002
NOL3	AI912351	-5.19955	0.000
MGC26963	AI160370	-5.19755	0.000
SLC35F3	BF968270	-5.14209	0.000
FLJ41603	BF939317	-5.12951	0.000
DNAJB2	NM_006736	-5.07988	0.000
HIVEP2	AL023584	-5.07173	0.000
DMRTA1	AI017682	-5.06342	0.000
NOL3	AF064599	-5.06211	0.000
IGFBP5	AW157548	-5.06068	0.000
FLJ23191	AA053967	-5.05973	0.001
AXUD1	AI091372	-5.04268	0.000
INSIG2	AL080184	-5.02724	0.000
TBC1D3,TBC1D3C	AL136860	-5.01572	0.000
IGFBP5	R73554	-5.01053	0.000
MGC42105	BF222940	-4.99473	0.000
TBX1	AW074836	-4.98771	0.007
LOC441054	AW293376	-4.97585	0.000
FRMD3	AA746863	-4.95653	0.000
GADD45A	NM_001924	-4.90876	0.000
RIOK3	AW006290	-4.90551	0.000
EFEMP2	AB030655	-4.89147	0.000
VKORC1	AA528252	-4.87848	0.000
FAM13A1	AK027138	-4.85216	0.000
ALS2CR13	NM_173511.1	-4.85033	0.000
DUSP1	AA530892	-4.84531	0.000
KIAA1244	AB033070	-4.83842	0.000
DDX41	NM_016222	-4.79182	0.000
ZNF654	NM_018293	-4.78837	0.000
ESPN	AL136880	-4.782	0.000
NFAT5	NM_006599	-4.76699	0.000
TEK	NM_000459	-4.76389	0.002
SNAP25	NM_003081	-4.74894	0.000
ZNF42	NM_003422	-4.72427	0.003
ERO1L	AW268365	-4.71399	0.000
CREB5	NM_004904	-4.70408	0.000
SNTB1	NM_021021	-4.70072	0.001
FLJ36748	H28999	-4.69768	0.000
JUNB	NM_002229	-4.69628	0.000
SLC2A3,SLC2A14	AL110298	-4.69341	0.000
PTPN21	NM_007039	-4.69211	0.001

FLJ40722	AL040412	-4.65955	0.001
244383_at	AI283051	-4.65336	0.008
LOC339005,LOC440253	AK091254.1	-4.63744	0.000
UPK1A	AA548647	-4.61135	0.000
SLC2A3	AI631159	-4.60429	0.000
FLJ26175	AC007228	-4.58894	0.000
WDR52	AI346359	-4.5879	0.004
SLC6A8	U17986	-4.58684	0.000
LOC441301	AI949265	-4.57854	0.008
PDK1	NM_002610	-4.57798	0.000
COL13A1	NM_005203	-4.57506	0.000
LRP1	NM_002332	-4.56085	0.008
PCSK5	AU152579	-4.55794	0.000
227719_at	AA934610	-4.55313	0.000
JMJD1A	AA524505	-4.54902	0.000
227306_at	AK024898	-4.54412	0.000
C1orf79	AF277181	-4.54111	0.000
CABP7	AI989906	-4.5383	0.000
SLC6A6	BG150485	-4.53077	0.000
222048_at	AA536000	-4.53061	0.000
ELAVL3	R20763	-4.53052	0.000
SERTAD2	NM_014755	-4.52057	0.000
FN1	BC005858	-4.50955	0.000
GYS1	NM_002103	-4.5052	0.000
PLAGL1	NM_002656	-4.49639	0.000
LOC202451	AI979261	-4.47975	0.000
GENX-3414	NM_003943	-4.47138	0.000
MAF	BE674528	-4.47062	0.000
HIVEP2	AL023584	-4.46377	0.000
PPP2R5B	NM_006244	-4.45975	0.000
ENO2	NM_001975	-4.45388	0.000
NFIL3	NM_005384	-4.45256	0.000
FLJ10415	NM_018089	-4.44725	0.000
FAM13A1	AW450403	-4.43149	0.000
DUSP8	NM_004420	-4.42721	0.000
AK3L1	AI566130	-4.41557	0.000
JUN	BC002646	-4.41502	0.000
SERTAD2	BG107456	-4.4124	0.000
WDR27	AW961197	-4.3986	0.001
RAB30	BF968097	-4.38791	0.000
FN1	X02761	-4.38396	0.000
ZNF395,FBXO16	BC001237	-4.37334	0.000
IGFBP5	AW007532	-4.37205	0.000
TGFA	NM_003236	-4.3709	0.000
236376_at	AW383197	-4.36278	0.000
GPR30	U63917	-4.35875	0.000
EYA1	AJ000098	-4.35225	0.000
ROBO2	AB046788	-4.34515	0.001
GADD45B	AF078077	-4.34229	0.000
ZNF395	NM_017606	-4.33358	0.000

COL4A1	NM_001845	-4.33028	0.000
HDAC5	NM_005474	-4.32724	0.002
KIAA1223	AW469569	-4.32321	0.006
EDN2	NM_001956	-4.32251	0.006
ZNF395	NM_018660	-4.322	0.000
ERO1L	NM_014584	-4.30693	0.000
LOC387895	AI652676	-4.30482	0.002
SLC2A3	NM_006931	-4.30373	0.000
MUC1	AI610869	-4.28057	0.000
BIRC3	U37546	-4.26999	0.000
SEPT9	NM_006640	-4.26527	0.009
MAF	AF055376	-4.25744	0.000
UST	AW418882	-4.25513	0.002
ARID5A	M62324	-4.25475	0.000
LOC202451	AW953116	-4.24868	0.000
LASS1	BF305369	-4.24136	0.006
ATXN1	BF438383	-4.22268	0.000
NOL3	AF043244	-4.20363	0.000
P2RY11	NM_002566	-4.19904	0.000
TncRNA	AV659198	-4.1953	0.000
243444_at	AI221894	-4.19197	0.001
MAFK	BG231691	-4.1883	0.000
PFKFB4	AL038787	-4.18057	0.000
FLJ39739	AA632758	-4.1777	0.002
226347_at	AI754928	-4.17649	0.000
FN1	AF130095	-4.17141	0.000
ALS2CR13	AK025007	-4.17108	0.000
WSB1	AI377135	-4.16938	0.000
SAMD4	AL117523	-4.16867	0.008
LRRC7	NM_020794	-4.16446	0.001
FLNB	AV712733	-4.16207	0.000
SLC35F5	NM_025181	-4.16008	0.000
RYBP	W84482	-4.13939	0.000
LHX9	AJ277914	-4.13315	0.000
LOC126917	AK024480	-4.13075	0.000
C4orf10	AI126492	-4.12659	0.000
RIS1	BF062629	-4.11271	0.000
CCNL1	NM_020307	-4.10995	0.000
CLCNKA,CLCNKB	NM_004070	-4.10062	0.003
COL13A1	M59217	-4.0983	0.000
FAM84A	BF063776	-4.09632	0.000
FGF11	AU151265	-4.09229	0.001
ATP5J	BF195118	-4.09096	0.000
IER3	NM_003897	-4.08348	0.000
CA9	NM_001216	-4.07508	0.000
FN1	AK026737	-4.07032	0.000
230356_at	AW014743	-4.05831	0.000
EGLN3	AI378406	-4.04647	0.000
PTGS2	NM_000963	-4.03341	0.000
PTGS1	NM_000962	-4.03229	0.001

LOC401048
SLC6A8

AA702143
NM_005629

-4.01773
-4.01603

0.000
0.000

Table A.2 Transcripts inhibited at least 2-fold ($p \leq 0.01$) by polyamide 1 that are also induced at least 4-fold ($p \leq 0.01$) by DFO.

<u>Name</u>	<u>Accession #</u>	<u>Fold Change</u>	<u>P-value</u>
CMKOR1	AI817041	-30.94929	0.000
CA12	BC001012	-16.23125	0.000
SEMA5B	BC002776	-12.30798	0.000
EHD2	AI417917	-8.38923	0.000
SLC6A6	NM_003043	-8.32956	0.000
PDGFB	NM_002608	-8.22738	0.000
GAL3ST1	NM_004861	-7.69637	0.000
SNAP25	NM_003081	-7.27486	0.000
C14orf132	AK025915	-7.25164	0.000
IGFBP3	BF340228	-7.12981	0.000
EGFL3	AI655611	-6.84764	0.000
CA12	BF752277	-6.42624	0.000
SLC6A6	BG150485	-6.16134	0.000
EDN2	NM_001956	-5.87511	0.002
CA12	AL050025	-5.85225	0.000
COL4A1	NM_001845	-5.64373	0.000
NPPB	NM_002521	-5.6366	0.000
CA12	NM_001218	-5.4423	0.000
231250_at	AI394574	-5.26311	0.000
CAMK1D	AA835485	-5.18108	0.000
IGFBP3	M31159	-5.07326	0.000
LOC126917	AK024480	-4.56349	0.000
TGFA	M31172	-4.46047	0.000
PEAR1	AL040178	-4.43562	0.004
DMRTA1	AI017682	-4.31819	0.004
IGFBP5	R73554	-4.12142	0.000
UST	AW418882	-3.95618	0.003
FLJ14503	AW237462	-3.61277	0.000
IGFBP5	AW007532	-3.53683	0.000
LOC401048	AA702143	-3.53231	0.000
EHD2	AI417917	-3.35907	0.000
ATP5J	BF195118	-3.31599	0.000
IER3	NM_003897	-3.24746	0.000
EFEMP2	AB030655	-3.24074	0.000
FLJ14888	AI264119	-3.13713	0.000
ANGPTL4	AF169312	-3.08517	0.000
JAM2	NM_021219	-3.07988	0.000
C10orf10	AI302100	-3.0475	0.000
C10orf10	AL136653	-3.03882	0.000
ZSWIM5	AI479419	-3.03039	0.000
ANGPTL4	NM_016109	-3.02829	0.000
MAF	AF055376	-3.01115	0.000
VWA1	NM_022834	-2.83903	0.005
TGFA	NM_003236	-2.78821	0.000
HOXA13	BG289306	-2.78757	0.000
IGFBP5	AW157548	-2.77311	0.000

EYA1	AJ000098	-2.76231	0.000
SLC35F3	BF968270	-2.72672	0.000
KCTD11	AI859242	-2.68036	0.000
BHLHB3	BE857425	-2.6779	0.000
LOC93622	AL562398	-2.61626	0.000
MAF	NM_005360	-2.58541	0.000
ITPR1	NM_002222	-2.51262	0.000
MAF	BE674528	-2.47244	0.000
HOXA13	R33750	-2.45015	0.000
HIG2	BC001863	-2.4425	0.000
COL13A1	NM_005203	-2.4316	0.000
MGC42105	BF222940	-2.40042	0.000
BHLHB3	AI819798	-2.35676	0.000
CA9	NM_001216	-2.23009	0.000
LOC202451	AI979261	-2.21770	0.000
HIG2	NM_013332	-2.19628	0.000
RNF165	BF529886	-2.16404	0.002
LOC202451	AW953116	-2.08202	0.001
SMAD7	NM_005904	-2.07146	0.000
RIS1	BF062629	-2.06328	0.000
ERO1L	BE966748	-2.04259	0.000
226863_at	AI674565	-2.03824	0.000
PCSK5	NM_006200	-2.02811	0.000