

Supplemental Table 1.

Protein	Protein Description	Gene Symbol	Average Spec-Count Control	std dev	Average Spec-Count Tamoxifen	std dev	GPF ttest	Tamoxifen/Control* GPF	Pacific ttest	Pacific tamoxifen/control*
IPI00645078	Ubiquitin-activating enzyme E1	UBE1	19.5	0.7	31.5	0.7	0.003	1.6	0.052	1.5
IPI00032140	Serpin H1 precursor	SERPINH1	17.5	0.7	10.5	0.7	0.010	0.6	0.069	0.7
IPI00453476	similar to Phosphoglycerate mutase 1 (Phosphoglycerate mutase isozyme B) (PGAM-B) (BPG-dependent PGAM 1) isoform 1	hCG_2015269	7.5	0.7	13.5	0.7	0.014	1.8	0.504	1.2
IPI00007188	ADP/ATP translocase 2	SLC25A5	49.0	2.8	21.5	3.5	0.015	0.4	0.028	0.5
IPI00017283	Isoleucyl-tRNA synthetase, mitochondrial precursor ARS2	DDX17	6.5	0.7	1.5	0.7	0.019	0.2	0.158	0.7
IPI00023785	box polypeptide 17 isoform 1	DEAD	7.5	0.7	2.5	0.7	0.019	0.3	0.493	0.8
IPI00007058	Coronin-1B	CORO1B	3.5	0.7	7.5	0.7	0.030	2.1	0.273	1.3
IPI00006167	Protein phosphatase 1G	PPM1G	4.5	0.7	8.5	0.7	0.030	1.9	0.344	1.5
IPI00025039	rRNA 2'-O-methyltransferase fibrillarin	FBL	6.5	0.7	2.5	0.7	0.030	0.4	0.545	0.8
IPI00021016	Isoform 1 of Elongation factor Ts, mitochondrial precursor	TSFM	11.5	0.7	7.5	0.7	0.030	0.7	0.030	0.8
IPI00216260	Isoform 2 of Elongation factor Ts, mitochondrial precursor	TSFM	11.5	0.7	7.5	0.7	0.030	0.7	-	-
IPI00479217	Isoform Short of Heterogeneous nuclear ribonucleoprotein U	HNRPU	38.5	0.7	42.5	0.7	0.030	1.1	0.136	0.8
IPI00221106	splicing factor 3B subunit 2	SF3B2	17.5	0.7	9.0	1.4	0.037	0.5	0.207	0.7
IPI00006196	Isoform 2 of Nuclear mitotic apparatus protein 1	NUMA1	21.0	0.0	12.5	0.7	0.037	0.6	0.048	0.6
IPI00030275	Heat shock protein 75 kDa, mitochondrial precursor	TRAP1	23.5	2.1	8.5	0.7	0.043	0.4	0.122	0.7
IPI00015953	Isoform 1 of Nucleolar RNA helicase 2	DDX21	14.0	1.4	6.5	0.7	0.045	0.5	0.085	0.7
IPI00027497	Glucose-6-phosphate isomerase	GPI	14.5	2.1	24.0	1.4	0.045	1.7	0.072	1.1
IPI00015018	Inorganic pyrophosphatase	PPA1	1.5	0.7	8.0	0.0	0.049	5.3	0.645	1.1
IPI00022462	Transferrin receptor protein 1	TFRC	11.0	0.0	4.5	0.7	0.049	0.4	0.158	0.7

*Ratio of average tamoxifen spectral counts over average spectral counts from the control sample. **BOLD** indicates agreement in ttest significance between GPF and PACIFIC acquisitions.

Supplemental Table 2.

A) Tamoxifen Suppressed mRNA

Fold Change	Accession Number	Primary Sequence Name	Sequence Description
-44.5	AU148391	-	CDNA FLJ12532 fis, clone NT2RM4000200
-38.6	AL589603	SYNPO2	synaptopodin 2
-31.5	AC003989	-	-
-27.9	AA923354	MAOA	monamine oxidase A
-27.1	AB018195	CA11	carbonic anhydrase XI
-25.6	AL822160	LOC286058	hypothetical protein LOC286058
-20.7	AL688418	PLXNA2	plexin A2
-20.5	BC043409	KCNH5	potassium voltage-gated channel, subfamily H (eag-related)
-17.1	NM_004621	TRPC6	transient receptor potential cation channel, subfamily C, member 6
-16.1	NM_001374	DNASE1L2	deoxyribonuclease I-like 2
-16	BE222220	LEMD1	LEM domain containing 1
-16	BC030743	-	CDNA clone IMAGE:4793232
-15.9	AJ271068	TRPC6	transient receptor potential cation channel, subfamily C, member 6
-15.8	BF439270	-	transcribed locus
-15.7	AF123462	NRXN3	neuexin 3
-15.5	A423201	BMPER	BMP binding endothelial regulator
-15.3	AB093548	SCN1A	sodium channel, voltage-gated receptor 4
-14.2	AF202063	FGFR4	fibroblast growth factor receptor 4
-14.1	BF791698	-	-
-14	BC036312	-	CDNA clone IMAGE:4837142

B) Tamoxifen induced mRNA

Fold Change	Accession Number	Primary Sequence Name	Sequence Description
48.1	NM_002274	KRT13	keratin 13
35.8	NM_001585	MPPED1	metallophosphoesterase domain containing 1
18.5	NM015831	ACHE	acetylcholinesterase (Yt blood group)
17.7	AI377007	MPPED1	metallophosphoesterase domain containing 1
14.7	M57399	PTN	pleiotrophin (heparin binding growth factor 8, neurite growth-promoting factor 1)
13.9	NM_024522	NKAIN1	Na ⁺ /K ⁺ transporting ATPase interacting 1
13.8	X98405	MAG	myelin associated glycoprotein
13.2	BC042133	LOC339766	hypothetical protein LOC339766
13.2	NM_133329	KCNGB3	potassium voltage-gated channel, subfamily G, member 3
12.6	AB028989	MAPK8IP3	mitogen-activated protein kinase 8 interacting protein 3
11.9	NM_002783	PSG7	pregnancy specific beta-1-glycoprotein 7
11.5	X52585	CD22	CD22 molecule
10.4	AB037780	MUC20	mucin 20, cell surface associated
10.3	NM_006398	UBD	ubiquitin D
10.1	NM_000792	DIO1	deiodinase, iodothyronine, type I
10	X97671	EPOR	erythropoietin receptor
9.8	BC020775	-	Homo sapiens, clone IMAGE:4248008, mRNA
9.8	M34421	PSG9	pregnancy specific beta-1-glycoprotein 9
9.7	AL524520	LGR5	leucine-rich repeat-containing G protein-coupled receptor 5
9.2	AW977708	-	transcribed locus