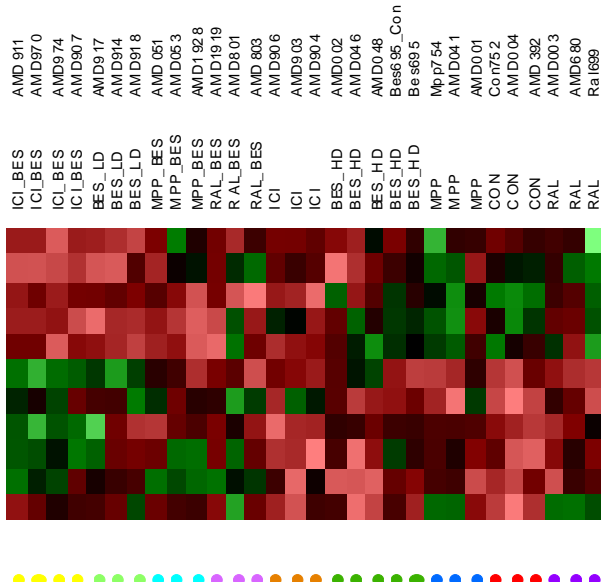
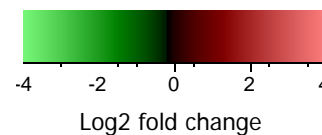


Rosenfeld_C: Heat Shock Protein genes



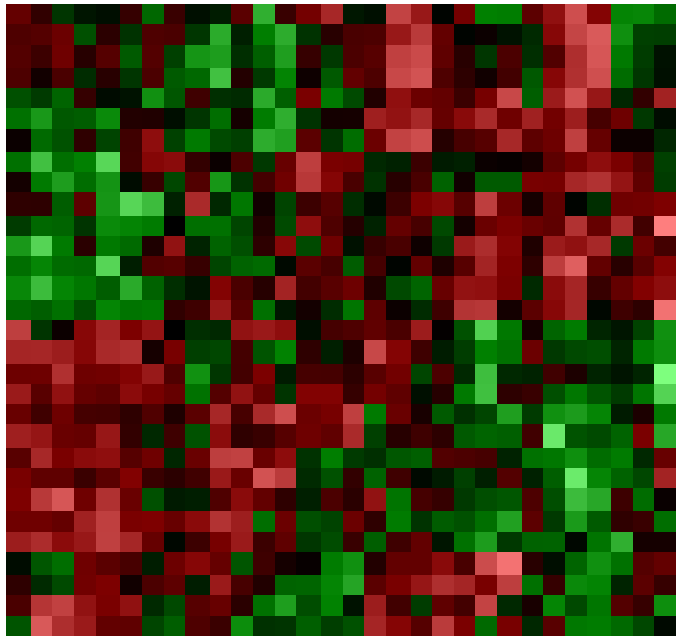
1 Probe Set ID	Representative Public ID	Gene Title
1421290_at	BG968304	heat shock protein family, member 7 (cardiovascular)
1425076_at	A1606403	DnaJ (Hsp40) homolog, subfamily C, member 18
1442182_at	AV256803	DnaJ (Hsp40) homolog, subfamily C, member 19
1417441_at	NM_013888	DnaJ (Hsp40) homolog, subfamily C, member 12
1449083_at	AA067702	omega-iled-coil domain containing 91
1431182_at	AK004608	heat shock protein 8 // similar to heat shock protein 8,
1449372_at	BE624323	DnaJ (Hsp40) homolog, subfamily C, member 3A
1424622_at	BC013716	heat shock factor 1
1448657_a_at	NM_020266	DnaJ (Hsp40) homolog, subfamily B, member 10
1434588_x_at	A1181686	tubulin cofactor a // predicted gene, EG620313
1450436_s_at	A1664344	DnaJ (Hsp40) homolog, subfamily B, member 5



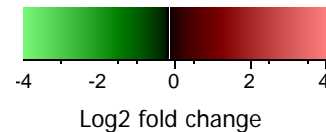
- DMSO Control
- beta-Estradiol (low dose)
- beta-Estradiol (high dose)
- ICI
- MPP
- Raloxifene
- ICI + beta-Estradiol
- MPP + beta-Estradiol
- Raloxifene + beta-Estradiol

Rosenfeld_C: Stress Response genes

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 Mpp754
 MPP
 AMD041
 AMD001
 Con752
 AMD004
 AMD392
 AMD003
 AMD660
 Rai699



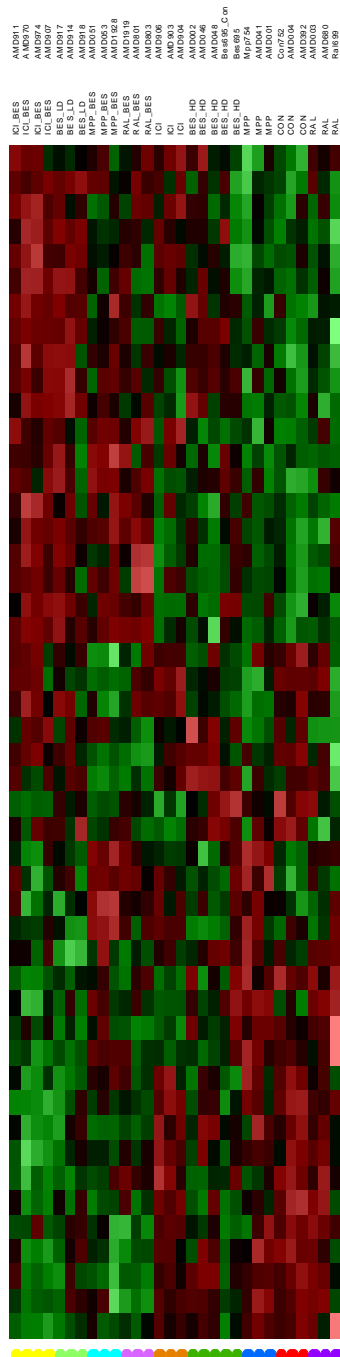
1 Probe Set ID	Representative Public ID	Gene Title
14 50436_s_at	AI66434 4	DnaJ (Hsp40) homolog, subfamily B, member 5
14 18626_a_at	NM_013492	clusterin // similar to clusterin
14 37689_x_at	AV152288	clusterin // similar to clusterin
14 54849_x_at	BB433678	clusterin // similar to clusterin
14 49372_at	BE624323	DnaJ (Hsp40) homolog, subfamily C, member 3A
14 18670_s_at	NM_008305	perlecan (heparan sulfate proteoglycan 2)
14 56733_x_at	BB329489	serine (or cysteine) peptidase inhibitor, clade H, member 1
14 24622_at	BC013716	heat shock factor 1
14 17542_at	BB737182	ribosomal protein S6 kinase, polypeptide 2
14 53288_at	AK020270	activating transcription factor 6
14 21960_at	AF458089	adenylate cyclase 3
14 28979_at	AV316320	metal response element binding transcription factor 1
14 43609_s_at	C85322	synovial apoptosis inhibitor 1, synoviolin
14 31182_at	AK004608	heat shock protein 8 // similar to heat shock protein 8 // similar to heat shock protein 70 cognate
14 26798_a_at	BC006897	protein phosphatase 1, regulatory (inhibitor) subunit 15b
14 22727_at	NM_080637	expressed in non-metastatic cells 5
14 25076_at	AI606403	DnaJ (Hsp40) homolog, subfamily C, member 18
14 21290_at	BG968304	heat shock protein family, member 7 (cardiovascular)
14 49319_at	NM_138683	R-spondin homolog (Xenopus laevis)
14 42182_at	AV256803	DnaJ (Hsp40) homolog, subfamily C, member 19
14 27467_a_at	AJ238396	retinitis pigmentosa GTPase regulator
14 15759_a_at	BC028547	hepatitis B virus x-interacting protein
14 48427_at	NM_025987	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6(B14)
14 60725_at	NM_011728	xeroderma pigmentosum, complementation group A
14 17441_at	NM_013888	DnaJ (Hsp40) homolog, subfamily C, member 12
14 48923_at	NM_011871	protein kinase, interferon inducible double stranded RNA dependent activator
14 60671_at	BI219063	glutathione peroxidase 1
14 23627_at	AV158882	NAD(P)H dehydrogenase, quinone 1
14 16138_at	BC008997	annexin A7
14 22005_at	BE911144	eukaryotic translation initiation factor 2-alpha kinase 2



- DMSO Control
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- beta-Estradiol (high dose)
- ICI
- MPP
- Raloxifene
- ICI + beta-Estradiol
- MPP + beta-Estradiol
- Raloxifene + beta-Estradiol

Rosenfeld_C: Signal Transduction genes (top half)

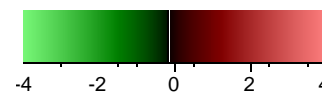
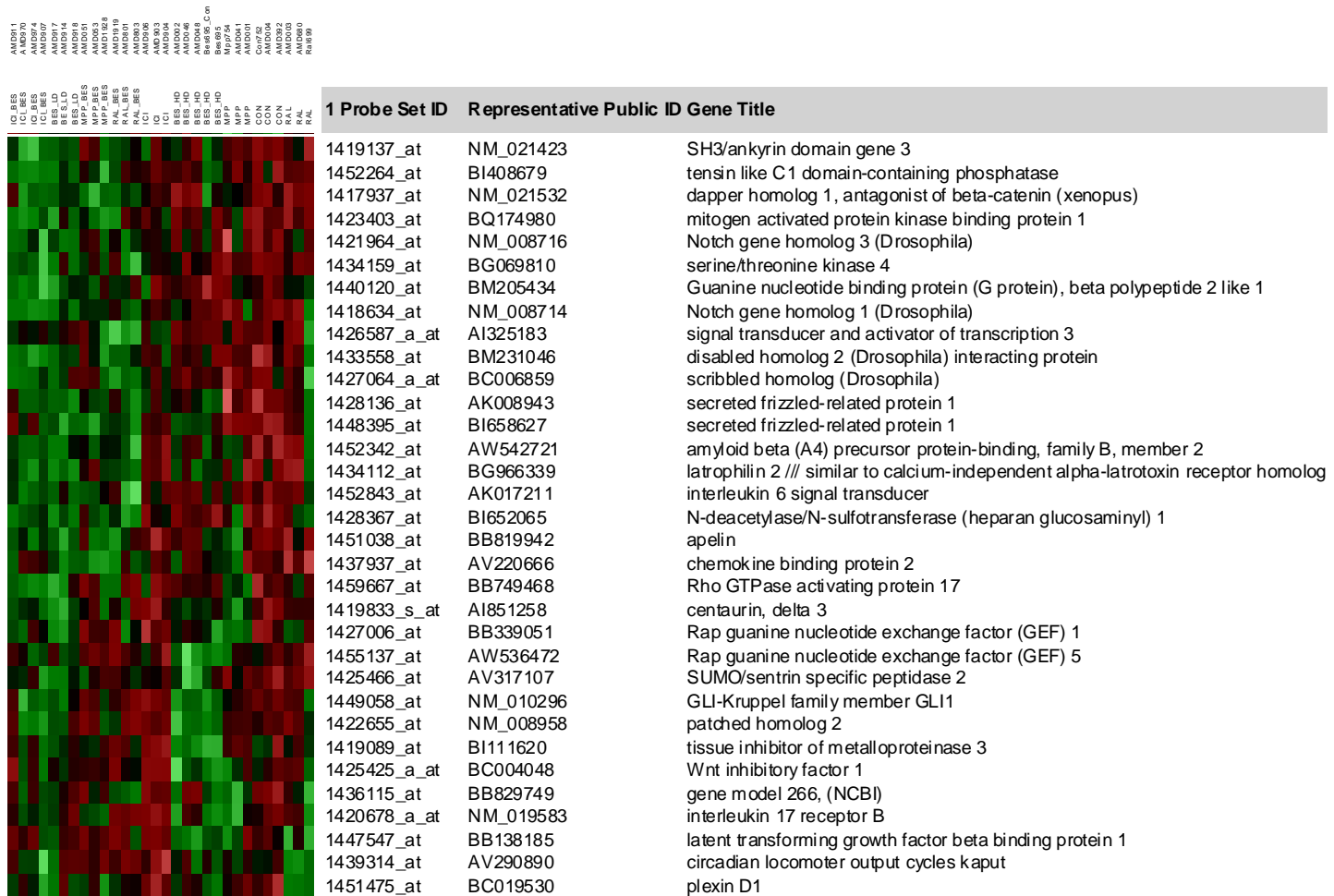
Supplementary Material, Figure 1g



1 Probe Set ID	Representative Public ID	Gene Title
1431074_a_at	BI654600	phosphatidylinositol transfer protein, cytoplasmic 1
1448948_at	NM_009057	recombination activating gene 1 activating protein 1
1426478_at	AA124924	RAS p21 protein activator 1
1420554_a_at	NM_133223	RAS-related C3 botulinum substrate 3
1425679_a_at	AF109769	mitogen activated protein kinase 8 interacting protein 1
1449951_at	NM_010909	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 1
1448922_at	NM_024438	dual specificity phosphatase 19
1418712_at	NM_021454	CDC42 effector protein (Rho GTPase binding) 5
1422178_a_at	NM_008998	RAB17, member RAS oncogene family
1430234_at	AK018621	ADP-ribosylation factor-like 14
1417790_at	BC013066	docking protein 1
1455337_at	BQ175875	FYVE, RhoGEF and PH domain containing 4
1437225_x_at	BB782705	guanine nucleotide binding protein (G protein), alpha inhibiting 3
1436900_x_at	AV156961	leptin receptor overlapping transcript
1445693_at	BB319063	v-ras murine sarcoma 3611 viral oncogene homolog
1417478_a_at	AV367559	protein phosphatase 2, regulatory subunit B', gamma
1423459_at	BE853265	COP9 (constitutive photomorphogenic) homolog, subunit 2 (Arabidopsis thaliana)
1437039_at	BM119274	COP9 (constitutive photomorphogenic) homolog, subunit 2 (Arabidopsis thaliana)
1425542_a_at	BC003979	protein phosphatase 2, regulatory subunit B (B56), gamma isoform
1436566_at	AV364488	Rab40b, member RAS oncogene family
1450158_at	BB624483	rad and gem related GTP binding protein 1
1421854_at	BF136544	fibrinogen-like protein 2
1450772_at	NM_009519	wingless-related MMTV integration site 11
1429206_at	AK014194	Rho-related BTB domain containing 1
1433600_at	BB262415	adrenergic receptor, alpha 2a /// similar to adrenergic receptor, alpha 2a
1448606_at	U70622	endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 2
1434850_at	BI083036	IQ motif containing GTPase activating protein 3
1422620_s_at	NM_008903	phosphatidic acid phosphatase 2a
1439015_at	AV221299	glial cell line derived neurotrophic factor family receptor alpha 1
1434295_at	BE691356	RAS guanyl releasing protein 1
1447669_s_at	AV347903	guanine nucleotide binding protein (G protein), gamma 4 subunit
1436359_at	BF471533	ret proto-oncogene
1453288_at	AK020270	activating transcription factor 6
1425795_a_at	D76446	mitogen activated protein kinase kinase kinase 7
1420905_at	AK010040	interleukin 17 receptor A
1451912_a_at	AF321301	fibroblast growth factor receptor-like 1 /// similar to fibroblast growth factor recep
1428265_at	AK010754	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform
1433803_at	BQ032637	Janus kinase 1
1426915_at	BC021490	death associated protein kinase 1
1434254_at	BM235739	guanine nucleotide binding protein, alpha 11
1424193_at	AB041855	PWP2 periodic tryptophan protein homolog (yeast)
1434836_at	AV277440	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2 interact
1416342_at	NM_011607	tenascin C
1428016_a_at	BC028444	Ras interacting protein 1
1455008_at	BF467143	similar to Guanine nucleotide-binding protein alpha-12 subunit (G alpha-12)
1435272_at	BE196957	inositol 1,4,5-trisphosphate 3-kinase B
1450650_at	AV297945	myosin X
1436173_at	BB768194	deleted in liver cancer 1

Rosenfeld_C: Signal Transduction genes (bottom half)

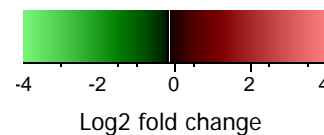
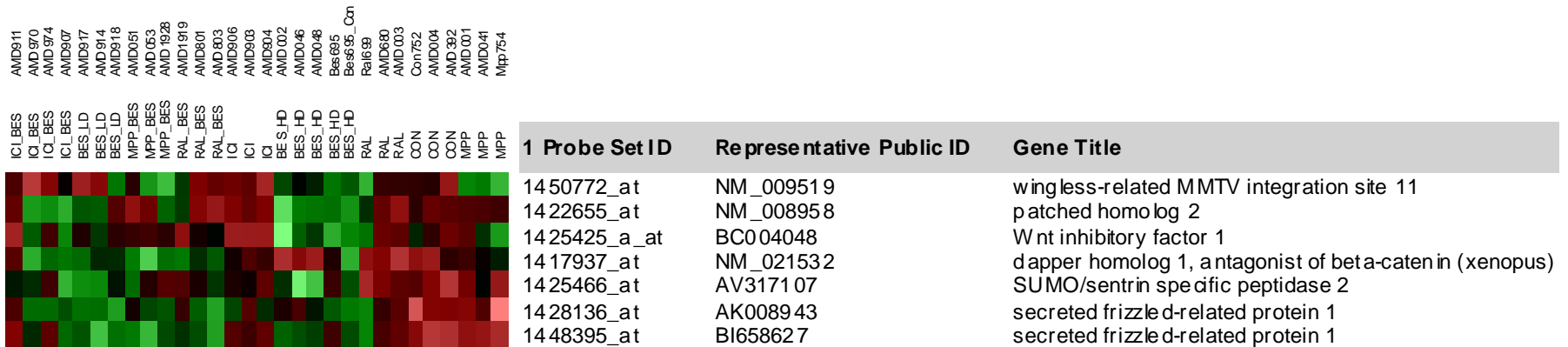
Supplementary Material, Figure 1h



Log2 fold change

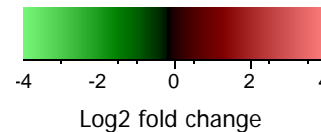
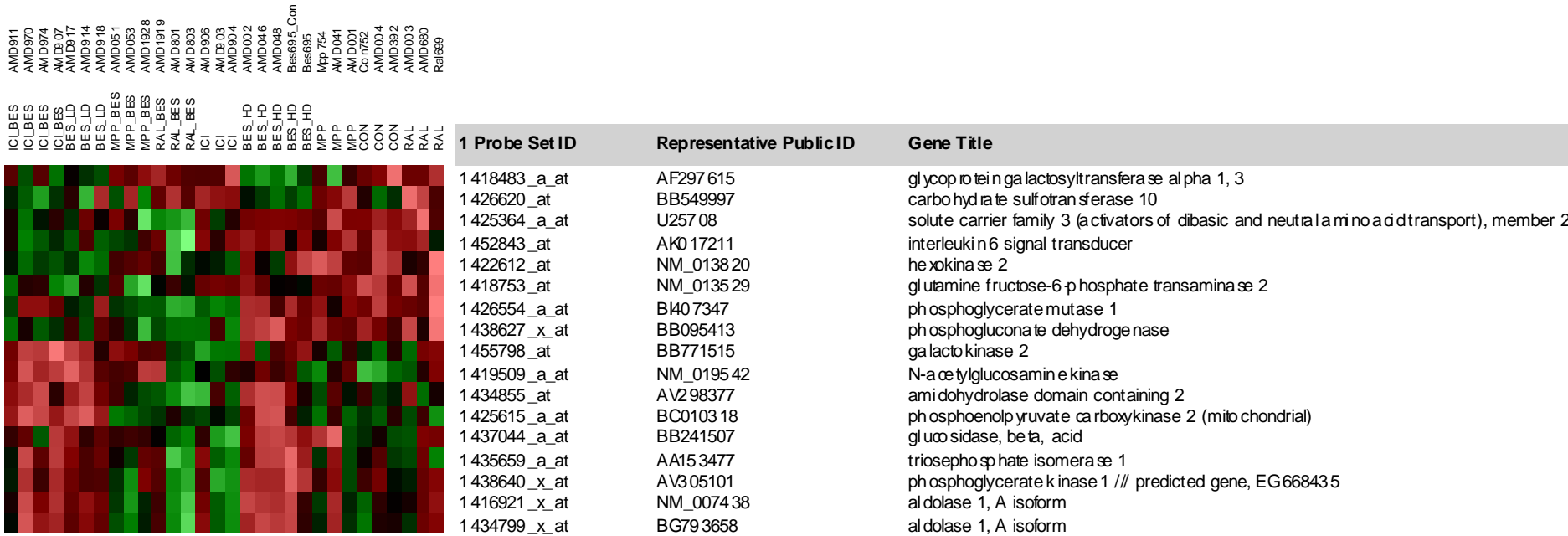
- DMSO Control
- beta-Estradiol (low dose)
- beta-Estradiol (high dose)
- ICI
- MPP
- Raloxifene
- ICI + beta-Estradiol
- MPP + beta-Estradiol
- Raloxifene + beta-Estradiol

Rosenfeld_C: Wnt/Hedgehog signaling pathway genes



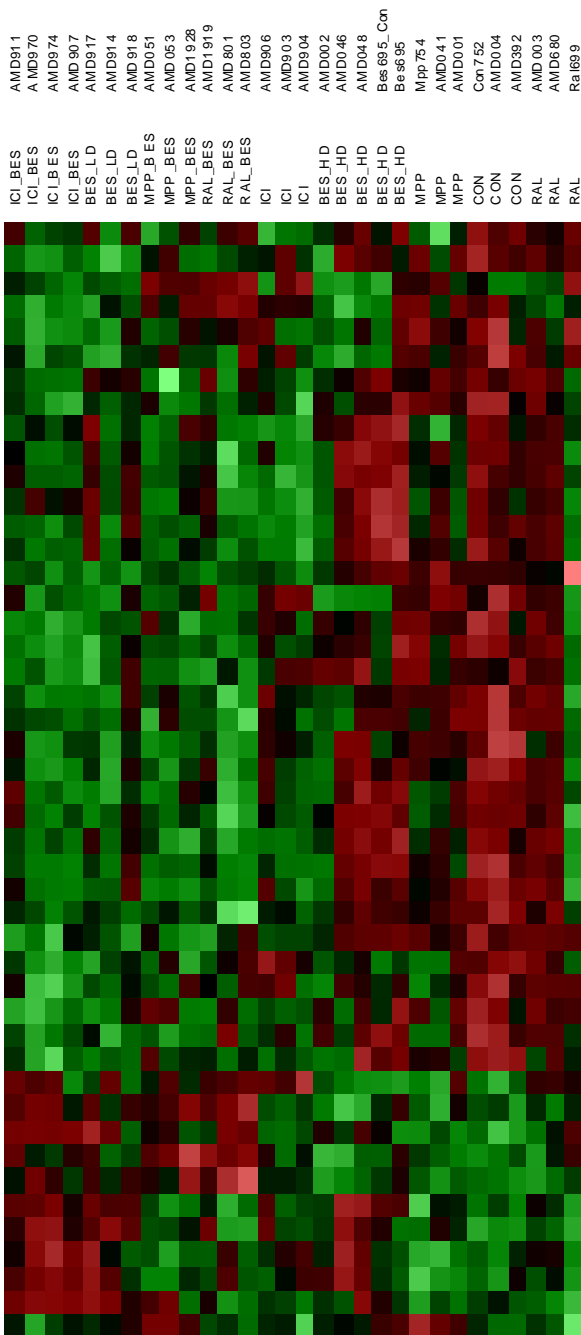
- DMSO Control
- beta-Estradiol (low dose)
- beta-Estradiol (high dose)
- ICI
- MPP
- Raloxifene
- ICI + beta-Estradiol
- MPP + beta-Estradiol
- Raloxifene + beta-Estradiol

Rosenfeld_C: Glycolysis/Gluconeogenesis/Carbohydrate metabolism genes



- DMSO Control
- beta-Estradiol (low dose)
- beta-Estradiol (high dose)
- ICI
- MPP
- Raloxifene
- ICI + beta-Estradiol
- MPP + beta-Estradiol
- Raloxifene + beta-Estradiol

Rosenfeld_C: Cell cycle associated genes

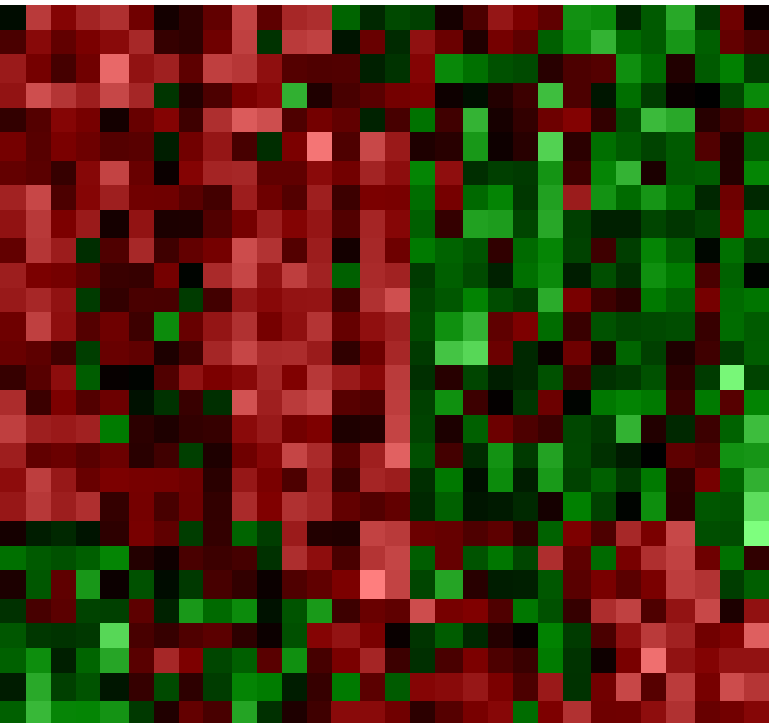


1 Probe Set ID	Representative Public ID	Gene Title
1417139_at	NM_025853	DSN1, MIND kinetochore complex component, homolog (S. cerevisiae)
1434426_at	BG069311	non-SMC condensin II complex, subunit D3
1433773_at	AA543385	ribonucleotide reductase M2 B (TP53 inducible)
1428831_at	AV333805	SUMO/sentrin specific peptidase 5
1448542_at	NM_025392	BRCA2 and CDKN1A interacting protein
1434564_at	BQ176318	E2F transcription factor 3
1452459_at	BB648052	asp (abnormal spindle)-like, microcephaly associated (Drosophila)
1436186_at	BM247465	E2F transcription factor 8
1434748_at	BM208103	cytoskeleton associated protein 2
1416802_a_at	NM_026410	cell division cycle associated 5
1424511_at	U80932	aurora kinase A
1452954_at	AV162459	ubiquitin-conjugating enzyme E2C
1416664_at	NM_023223	cell division cycle 20 homolog (S. cerevisiae)
1417910_at	X75483	cyclin A2
1438511_a_at	BB408123	RIKEN cDNA 1190002H23 gene
1417420_at	NM_007631	cyclin D1
1433558_at	BM231046	disabled homolog 2 (Drosophila) interacting protein
1433736_at	BG864583	host cell factor C1
1416532_at	NM_133901	transformation/transcription domain-associated protein
1448777_at	NM_008564	minichromosome maintenance deficient 2 mitotin (S. cerevisiae)
1415811_at	BB702754	ubiquitin-like, containing PHD and RING finger domains, 1
1416433_at	BC004578	replication protein A2
1415810_at	BB702754	ubiquitin-like, containing PHD and RING finger domains, 1
1415878_at	BB758819	ribonucleotide reductase M1
1416641_at	NM_010715	ligase I, DNA, ATP-dependent
1423847_at	BC025460	non-SMC condensin I complex, subunit D2
1416746_at	NM_010436	H2A histone family, member X
1415945_at	NM_008566	minichromosome maintenance deficient 5, cell division cycle 46 (S. cerevisiae)
1416575_at	NM_009862	cell division cycle 45 homolog (S. cerevisiae)-like
1458560_at	BB825704	asp (abnormal spindle)-like, microcephaly associated (Drosophila)
1417542_at	BB737182	ribosomal protein S6 kinase, polypeptide 2
1452210_at	BB546985	DNA2 DNA replication helicase 2-like (yeast)
1415680_at	NM_008569	anaphase promoting complex subunit 1
1433408_a_at	AK010648	minichromosome maintenance deficient 10 (S. cerevisiae)
1426002_a_at	AB018574	cell division cycle 7 (S. cerevisiae)
1426100_a_at	AF105217	thymidine kinase 2, mitochondrial
1452616_s_at	BG073014	single-stranded DNA binding protein 1
1427885_at	AK010477	polymerase (DNA-directed), delta 4
1435164_s_at	AW210753	ubiquitin-activating enzyme E1C
1417239_at	BC002162	centrin 3
1452725_a_at	AK010292	ribonuclease H2, large subunit
1424461_at	BC004613	dynactin 2
1419247_at	AF215668	regulator of G-protein signaling 2
1419248_at	AF215668	regulator of G-protein signaling 2
1452648_at	AK010925	transferrin growth factor beta regulated gene 1
1427338_at	BC027090	ciliary rootlet coiled-coil, rootletin

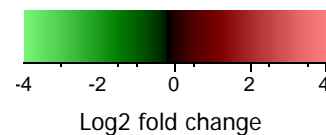
Rosenfeld_C: Zinc Finger Proteins

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BES_LD
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1 Probe Set ID	Representative Public ID	Gene Title
14 26266_s_at	BB4 17508	zinc finger and BTB domain containing 8 opposite strand
14 38026_at	AV21 3597	zinc finger protein 560
14 51146_at	BC0047 47	zinc finger protein 386 (Kruppel-like)
14 25030_at	BC0069 64	zinc finger protein 622
14 51566_at	BC0054 71	zinc finger protein 810
14 25495_at	BC0229 35	zinc finger protein 62
14 39558_at	BM72 9399	zinc finger protein 75
14 25010_at	AF242 376	zinc finger protein 119
14 24261_at	BC0032 58	zinc finger protein 672
14 34355_at	BB1 59201	zinc finger protein 617
14 29623_at	AV26 1187	zinc finger protein 644
14 27200_at	AJ2 50693	zinc finger, RAN-binding domain containing 1
14 34236_at	BB6 67600	zinc finger, DHHC domain containing 20
14 27969_s_at	BC0277 60	zinc finger protein 654
14 53105_at	BG069 835	zinc finger protein 263
14 28341_at	BM23 0200	zinc finger protein 655
14 34896_at	BM23 0211	zinc finger protein 422, related sequence 1
14 19207_at	NM_00955 4	zinc finger protein 37
14 49546_a_at	NM_13335 8	zinc finger protein 617
14 48760_at	NM_01384 4	zinc finger protein 68
14 36429_at	BB1 98855	zinc finger protein 606
14 54884_at	BG073 185	zinc finger and BTB domain containing 46
14 37111_at	BB1 83628	zinc finger CCCH type containing 12 C
14 22528_a_at	M5 8566	zinc finger protein 36, C3H type-like 1
14 60691_at	BF38 5956	zinc finger protein 598
14 49353_at	NM_00951 7	zinc finger matrix type 3
14 25819_at	BC0181 87	zinc finger and BTB domain containing 7C
14 26531_at	BB8 32996	zinc finger, MYND domain containing 11

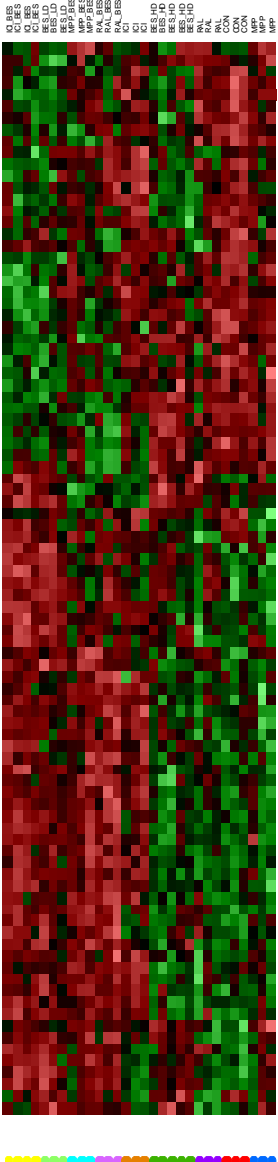


- DMSO Control
- beta-Estradiol (low dose)
- beta-Estradiol (high dose)
- ICI
- MPP
- Raloxifene
- ICI + beta-Estradiol
- MPP + beta-Estradiol
- Raloxifene + beta-Estradiol

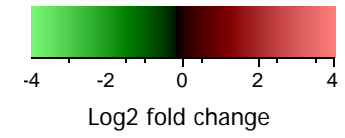
Rosenfeld_C:Transcription Factors/Regulators

Supplementary Material, Figure 1m

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1 Probe Set ID	Representative Public ID	Gene Title
1428657_at	BE197381	as responsive element binding protein 1
1453288_at	AK020270	activating transcription factor 6
1448380_at	NM_009452	Kruppel-like factor 2 (lung)
1434564_at	BC176318	E2F1 transcription factor 3
1428353_at	BM206907	forkhead box K2
1426725_s_at	BB151715	E2F6 avian leukemia oncogene 1, 5 domain
1425466_at	AV317187	SUMO3/ubiquitin specific peptidase 2
1424712_at	BC023122	AT hook containing transcription factor 1
1423388_at	BG075593	TAF12 RNA polymerase II, TATA box binding protein (TBP) associated factor
1439314_at	AV230980	orcidan locomotor output cyclase input
1454884_at	BG073185	zinc finger and BTB domain containing 46
1431111_at	BM209844	TSC22 domain family, member 1
1429304_at	BF1161506	ankyrin repeat domain 10
1440555_at	NM_010296	GLI-Kruppel family member GLI1
1428142_at	AK030461	ets variant gene 5
1450082_s_at	BG966751	ets variant gene 5
1426237_at	BC021759	Sq2 transcription factor
1423845_at	BC016109	cold shock domain containing C2, RNA binding
1416505_at	NM_010444	nuclear receptor subfamily 4, group A, member 1
1428979_at	AV316320	metal response element binding transcription factor 1
1433197_at	AK012187	mediator of RNA polymerase II transcription, subunit 25 homolog (yeast)
1424822_at	BC013716	heat shock factor 1
1426531_at	BB832966	zinc finger, MYND domain containing 11
1424385_at	BC016616	RKRN cDNA 583017110 gene
1428186_at	BM207455	E2F1 transcription factor 9
1451885_at	AY050217	myeloid/lymphoid or mixed lineage-leukemia translocation to 6 homolog (Drosophila)
1434633_at	BG076163	CREB binding protein
1423750_a_at	BC009091	Splicing factor 1
1421384_at	NM_008716	Naish gene homolog 3 (Drosophila)
1454832_at	AW543416	REST corepressor 1
1416532_at	NM_133901	transformation/transcription domain-associated protein
1415746_at	AF368980	capucine homolog (Drosophila)
1424130_a_at	BC021476	polymerase I and transcription release factor
1448189_a_at	NM_022009	flightless I homolog (Drosophila)
1434900_at	BM196656	MKL (megakaryoblastic leukemia) myocardin-like 1
1416044_at	NM_022009	flightless I homolog (Drosophila)
1421812_at	AF043963	TAF1 binding protein
1415976_a_at	AJ080787	calcium regulated heat stable protein 1
1424740_at	BG070002	cAMP responsive element binding protein 3
1424694_at	BC022741	RAB13, member RAS oncogene family
1436499_at	BB139855	zinc finger protein 616
1440169_x_at	BB522855	interleukin (alpha and beta) receptor 2
1419184_a_at	NM_010212	four and a half LIM domains 2
1423334_at	BB233415	progesterone induced domain 2
1417041_at	NM_003085	RNA polymerase 1-1
1428933_at	AK011332	histone deacetylase 8
1418174_at	BC018523	Distal telomere promoter binding protein
1438211_s_at	BB520183	Distal telomere promoter binding protein
1420387_at	NM_008622	Mpv17 transgene, Kichuji disease mutant
1425079_a_at	AF109769	mitogen-activated protein kinase 8 interacting protein 1
1426226_at	BB789444	general transcription factor IF, polypeptide 2
1432000_a_at	AK006814	distal helix/loop domain containing
1451566_at	BC005471	zinc finger protein 810
1431146_at	BC004747	zinc finger protein 366 (Kruppel-like)
1442654_at	AK531138	RKRN cDNA A530054111 gene
1433105_at	BG069835	zinc finger protein 263
1442739_at	BF225404	cDNA sequence BC031441
1419207_at	NM_009554	zinc finger protein 37
1428933_at	AK011776	RKRN cDNA 2610041015 gene // hypothetical protein LOC10044296
1452876_x_at	AK011776	RKRN cDNA 2610041015 gene // hypothetical protein LOC10044296
1434986_at	BM202011	zinc finger protein 422, related sequence 1
1428341_at	BM202200	zinc finger protein 655
1422135_at	NM_011980	similar to zinc finger protein 146
1427869_s_at	BC027760	zinc finger protein 654
1429371_at	AK013166	RKRN cDNA 2610126106 gene
1454633_at	BM245140	RKRN cDNA 3110146119 gene
1428304_at	AK011866	RKRN cDNA 2610050173 gene
1424784_at	AV047635	predicted gene, OTTMUSG0000010657
1455914_at	AW159140	expressed sequence A1987944
1434355_at	BB139855	zinc finger protein 617
1455196_s_at	AA987127	expressed sequence AA987161
1440546_a_at	NM_133558	zinc finger protein 617
1446760_at	NM_013844	zinc finger protein 68
1437911_at	BM245142	RKRN cDNA 6330416107 gene
1425642_at	BC004630	osteosomal protein 290
1424706_at	BC011188	zinc finger protein 51 // hypothetical protein LOC100044272
1427349_x_at	AK021776	RKRN cDNA 261002102102 gene
1438250_at	BB144571	TAF12 RNA polymerase II, TATA box binding protein (TBP) associated factor // similar to RNA polymerase II TATA box binding protein associated factor G
1425465_at	BC022935	zinc finger protein 62
1438511_at	AV234327	cyclin-dependent kinase 7 (homolog of Xenopus MO15 cdc-activating kinase)
1433055_x_at	C77611	Predicted gene, OTTMUSG0000010173
1434558_at	BM729399	zinc finger protein 75
1424281_at	BC003298	zinc finger protein 672
1425210_at	AF242376	zinc finger protein 119
1453298_a_at	AK012939	ankyrin repeat domain 22
1438026_at	AV213597	zinc finger protein 560
1436569_a_at	BM730602	proteasome (prosome, macropain) 26S subunit 1, non-ATPase 10
1453057_s_at	AJ010636	RNA polymerase 1-3 // similar to RNA polymerase 1-3
1446287_at	NM_003087	RNA polymerase 1-3
1425465_a_at	BC019472	churchill domain containing 1
1433855_at	BB467195	tromodomain and WIP repeat domain containing 1
1436150_x_at	AQ265839	heiy and enhancer of split 16 (Drosophila)

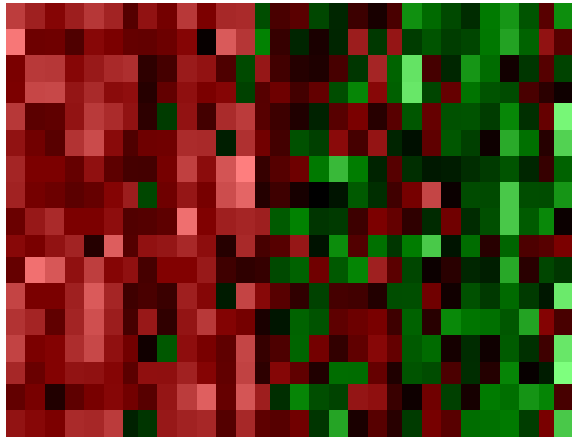


- DMSO Control
- beta-Estradiol (low dose)
- beta-Estradiol (high dose)
- ICI
- MPP
- Raloxifene
- ICI + beta-Estradiol
- MPP + beta-Estradiol
- Raloxifene + beta-Estradiol

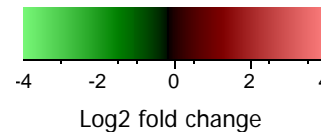
Rosenfeld_C: Translation activators/Ribosomal proteins

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1 Probe Set ID	Representative Public ID	Gene Title
1434452_x_at	BG797460	eukaryotic translation initiation factor 2a
1460575_at	BB667209	eukaryotic translation initiation factor 2a
1427058_at	AK010644	eukaryotic translation initiation factor 4A1
1430980_a_at	BI656407	eukaryotic translation initiation factor 4A1
1434328_at	BI081163	ribosomal protein L15
1448264_a_at	NM_018799	eukaryotic translation initiation factor 3, subunit I
1451076_s_at	BC005598	eukaryotic translation initiation factor 3, subunit M
1416603_at	NM_009079	ribosomal protein L22 /// predicted gene, EG627737 /// sin
1456617_a_at	BM210677	eukaryotic translation initiation factor 2, subunit 2 (beta)
1415685_at	NM_133767	mitochondrial translational initiation factor 2
1421985_a_at	A1449084	eukaryotic translation initiation factor 4E member 2
1438291_x_at	AV069169	ribosomal protein L37 /// similar to ribosomal protein L37
1448921_a_at	BC022587	mitochondrial ribosomal protein S9
1455600_at	BG069767	ribosomal protein S3
1451077_at	BM114165	ribosomal protein L5 /// similar to ribosomal protein L5 /// s
1450865_s_at	BF167852	mitochondrial ribosomal protein S24
1422859_a_at	NM_022891	ribosomal protein L23



- DMSO Control
- beta-Estradiol (low dose)
- beta-Estradiol (high dose)
- ICI
- MPP
- Raloxifene
- ICI + beta-Estradiol
- MPP + beta-Estradiol
- Raloxifene + beta-Estradiol