Additional File 1. 361 Breast Cancer Gene Sets that were Utilized in GSEA

NAME	ORIGINAL SIZE	AFTER RESTRICTING TO DATASET	STATUS
AIGNER_ZEB1_TARGETS	35	28	
AIYAR_COBRA1_TARGETS_DN	29	22	
AIYAR_COBRA1_TARGETS_UP	39	31	
BAE_BRCA1_TARGETS_DN	32	29	
BAE_BRCA1_TARGETS_UP	75	64	
BCAT_BILD_ET_AL_DN	46	33	
BCAT_BILD_ET_AL_UP	49	32	
BECKER_TAMOXIFEN_RESISTANCE_DN	52	39	
BECKER_TAMOXIFEN_RESISTANCE_UP	50	44	
BENPORATH_CYCLING_GENES	648	457	
BENPORATH_EED_TARGETS	1062	712	
BENPORATH_ES_1	379	281	
BENPORATH_ES_2	40	25	
BENPORATH_ES_CORE_NINE	9	8	
BENPORATH_ES_CORE_NINE_CORRELATED	100	84	
BENPORATH_ES_WITH_H3K27ME3	1118	776	
BENPORATH_MYC_MAX_TARGETS	775	599	
BENPORATH_MYC_TARGETS_WITH_EBOX	230	197	
BENPORATH_NANOG_TARGETS	988	694	
BENPORATH_NOS_TARGETS	179	132	
BENPORATH_OCT4_TARGETS	290	214	
BENPORATH_PRC2_TARGETS	652	449	
BENPORATH_PROLIFERATION	147	118	
BENPORATH_SOX2_TARGETS	734	522	
BENPORATH_SUZ12_TARGETS	1038	698	
BERTUCCI_MEDULLARY_VS_DUCTAL_BREAST_CANCER_DN	169	119	
BERTUCCI_MEDULLARY_VS_DUCTAL_BREAST_CANCER_UP	206	142	
BHAT_ESR1_TARGETS_NOT_VIA_AKT1_DN	88	69	
BHAT_ESR1_TARGETS_NOT_VIA_AKT1_UP	211	147	
BHAT_ESR1_TARGETS_VIA_AKT1_DN	82	61	
BHAT_ESR1_TARGETS_VIA_AKT1_UP	281	187	
BHATI_G2M_ARREST_BY_2METHOXYESTRADIOL_DN	127	88	
BHATI_G2M_ARREST_BY_2METHOXYESTRADIOL_UP	125	86	
BIOCARTA_ATRBRCA_PATHWAY	21	18	
BIOCARTA_HER2_PATHWAY	22	20	
BIOCARTA_STATHMIN_PATHWAY	19	16	
CAFFAREL_RESPONSE_TO_THC_24HR_3_DN	13	10	
CAFFAREL_RESPONSE_TO_THC_24HR_3_UP	8	6	
CAFFAREL_RESPONSE_TO_THC_24HR_5_DN	59	45	
CAFFAREL_RESPONSE_TO_THC_24HR_5_UP	34	26	
CAFFAREL_RESPONSE_TO_THC_8HR_3_DN	10	7	
CAFFAREL_RESPONSE_TO_THC_8HR_3_UP	5		Rejected!
CAFFAREL_RESPONSE_TO_THC_8HR_5_DN	11	8	
CAFFAREL_RESPONSE_TO_THC_8HR_5_UP	16	10	
CAFFAREL_RESPONSE_TO_THC_DN	31	23	
CAFFAREL_RESPONSE_TO_THC_UP	33	25	
CHARAFE_BREAST_CANCER_BASAL_VS_MESENCHYMAL_DN	50	35	
CHARAFE_BREAST_CANCER_BASAL_VS_MESENCHYMAL_UP	121	76	
CHARAFE_BREAST_CANCER_LUMINAL_VS_BASAL_DN	455	337	
CHARAFE_BREAST_CANCER_LUMINAL_VS_BASAL_UP	380	230	
CHARAFE_BREAST_CANCER_LUMINAL_VS_MESENCHYMAL_DN	460	325	
CHARAFE_BREAST_CANCER_LUMINAL_VS_MESENCHYMAL_UP	450	293	
CHEN_HOXA5_TARGETS_6HR_DN	6		Rejected!
CHEN_HOXA5_TARGETS_6HR_UP	10	8	
CHEN_HOXA5_TARGETS_9HR_DN	41	31	
CHEN_HOXA5_TARGETS_9HR_UP	223	147	
CHENG_IMPRINTED_BY_ESTRADIOL	110	71	
CHIN_BREAST_CANCER_COPY_NUMBER_DN	16	11	
CHIN_BREAST_CANCER_COPY_NUMBER_UP	27	23	
CHUANG_OXIDATIVE_STRESS_RESPONSE_DN	11	10	
CHUANG_OXIDATIVE_STRESS_RESPONSE_UP	28	24	
CLIMENT_BREAST_CANCER_COPY_NUMBER_DN	8	6	
CLIMENT_BREAST_CANCER_COPY_NUMBER_UP	23	21	
CORDENONSI_YAP_CONSERVED_SIGNATURE	57	49	
CREIGHTON_AKT1_SIGNALING_VIA_MTOR_DN	23	18	
CREIGHTON_AKT1_SIGNALING_VIA_MTOR_UP	34	26	
CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_1	528	357	
CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_2	473	210	
CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_3	720	477	
CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_4	307	202	
CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_5	482	324	
DAIRKEE_CANCER_PRONE_RESPONSE_BPA	51	44	
DAIRKEE_CANCER_PRONE_RESPONSE_BPA_E2	118	97	
DAIRKEE_CANCER_PRONE_RESPONSE_E2	28	23	
DAIRKEE_TERT_TARGETS_DN	124	81	
DAIRKEE_TERT_TARGETS_UP	380	271	
DITTMER_PTHLH_TARGETS_DN	73	59	

DITTMER_PTHLH_TARGETS_UP	112	97
DOANE_BREAST_CANCER_CLASSES_DN	34	30
DOANE_BREAST_CANCER_CLASSES_UP	72	44
DOANE_BREAST_CANCER_ESR1_DN	48	41
DOANE_BREAST_CANCER_ESR1_UP	112	83
DOANE_RESPONSE_TO_ANDROGEN_DN	241	182
DOANE_RESPONSE_TO_ANDROGEN_UP	184	108
E2F3_UP.V1_DN	183	73
E2F3_UP.V1_UP	196	120
EINAV_INTERFERON_SIGNATURE_IN_CANCER	27	19
ENGELMANN_CANCER_PROGENITORS_DN	70	40
ENGELMANN_CANCER_PROGENITORS_UP	48	42
FARMER_BREAST_CANCER_APOCRINE_VS_BASAL	330	245
FARMER_BREAST_CANCER_APOCRINE_VS_LUMINAL	326	235
FARMER_BREAST_CANCER_BASAL_VS_LULMINAL	330	241
FARMER_BREAST_CANCER_CLUSTER_1	44	25
FARMER_BREAST_CANCER_CLUSTER_2	33	30
FARMER_BREAST_CANCER_CLUSTER_4	16	14
FARMER_BREAST_CANCER_CLUSTER_5	19	18
FARMER_BREAST_CANCER_CLUSTER_6	16	14
FARMER_BREAST_CANCER_CLUSTER_7	20	13
FARMER_BREAST_CANCER_CLUSTER_8	7	Rejected!
FINAK_BREAST_CANCER_SDPP_SIGNATURE	26	21
FINETTI_BREAST_CANCER_KINOME_GREEN	16	15
FINETTI_BREAST_CANCER_KINOME_RED	16	15
FINETTI_BREAST_CANCERS_KINOME_BLUE	21	17
FINETTI_BREAST_CANCERS_KINOME_GRAY	15	13
FOURNIER_ACINAR_DEVELOPMENT_EARLY_DN	6	Rejected!
FOURNIER_ACINAR_DEVELOPMENT_EARLY_UP	21	13
FOURNIER_ACINAR_DEVELOPMENT_LATE_2	277	216
FOURNIER_ACINAR_DEVELOPMENT_LATE_DN	21	19
FOURNIER_ACINAR_DEVELOPMENT_LATE_UP	11	9
FRASOR_RESPONSE_TO_ESTRADIOL_DN	82	65
FRASOR_RESPONSE_TO_ESTRADIOL_UP	37	32
FRASOR_RESPONSE_TO_SERM_OR_FULVESTRANT_DN	50	46
FRASOR_RESPONSE_TO_SERM_OR_FULVESTRANT_UP	24	14
FRASOR_TAMOXIFEN_RESPONSE_DN	11	8
FRASOR_TAMOXIFEN_RESPONSE_UP	51	38
FUJII_YBX1_TARGETS_DN	202	170
FUJII_YBX1_TARGETS_UP	43	31
GINESTIER_BREAST_CANCER_20Q13_AMPLIFICATION_DN	180	101
GINESTIER_BREAST_CANCER_20Q13_AMPLIFICATION_UP	119	79
GINESTIER_BREAST_CANCER_ZNF217_AMPLIFIED_DN	335	184
GINESTIER_BREAST_CANCER_ZNF217_AMPLIFIED_UP	78	51
GRAESSMANN_APOPTOSIS_BY_DOXORUBICIN_DN	1781	Rejected!
GRAESSMANN_APOPTOSIS_BY_DOXORUBICIN_UP	1142	861
GRAESSMANN_APOPTOSIS_BY_SERUM_DEPRIVATION_DN	234	182
GRAESSMANN_APOPTOSIS_BY_SERUM_DEPRIVATION_UP	552	422
GRAESSMANN_RESPONSE_TO_MC_AND_DOXORUBICIN_DN	770	558
GRAESSMANN_RESPONSE_TO_MC_AND_DOXORUBICIN_UP	612	470
GRAESSMANN_RESPONSE_TO_MC_AND_SERUM_DEPRIVATION_DN	84	66
GRAESSMANN_RESPONSE_TO_MC_AND_SERUM_DEPRIVATION_UP	211	167
GU_PDEF_TARGETS_DN	39	28
GU_PDEF_TARGETS_UP	71	64
GYORFFY_DOXORUBICIN_RESISTANCE	56	35
GYORFFY_MITOXANTRONE_RESISTANCE	57	36
HAN_SATB1_TARGETS_DN	442	319
HAN_SATB1_TARGETS_UP	395	274
HEDENFALK_BREAST_CANCER_BRACX_DN	20	15
HEDENFALK_BREAST_CANCER_BRACX_UP	20	14
HEDENFALK_BREAST_CANCER_BRCA1_VS_BRCA2	163	130
HEDENFALK_BREAST_CANCER_HEREDITARY_VS_SPORADIC	50	38
HERNANDEZ_ABERRANT_MITOSIS_BY_DOCETACEL_2NM_DN	25	21
HERNANDEZ_ABERRANT_MITOSIS_BY_DOCETACEL_2NM_UP	81	58
HERNANDEZ_ABERRANT_MITOSIS_BY_DOCETACEL_4NM_DN	7	7
HERNANDEZ_ABERRANT_MITOSIS_BY_DOCETACEL_4NM_UP	23	16
HERNANDEZ_MITOTIC_ARREST_BY_DOCETAXEL_1_DN	38	31
HERNANDEZ_MITOTIC_ARREST_BY_DOCETAXEL_1_UP	36	25
HERNANDEZ_MITOTIC_ARREST_BY_DOCETAXEL_2_DN	19	10
HERNANDEZ_MITOTIC_ARREST_BY_DOCETAXEL_2_UP	64	49
HESSON_TUMOR_SUPPRESSOR_CLUSTER_3P21_3	7	6
HOFFMAN_CLOCK_TARGETS_DN	10	8
HOFFMAN_CLOCK_TARGETS_UP	11	8
HONMA_DOCETAXEL_RESISTANCE	34	26
HONRADO_BREAST_CANCER_BRCA1_VS_BRCA2	18	16
HOOI_ST7_TARGETS_DN	123	67
HOOI_ST7_TARGETS_UP	94	56
HUANG_DASATINIB_RESISTANCE_DN	69	48
HUANG_DASATINIB_RESISTANCE_UP	81	63
HUPER_BREAST_BASAL_VS_LUMINAL_DN	59	43
HUPER_BREAST_BASAL_VS_LUMINAL_UP	54	38

IYENGAR_RESPONSE_TO_ADIPOCYTE_FACTORS	10	9
JAZAERI_BREAST_CANCER_BRCA1_VS_BRCA2_DN	43	34
JAZAERI_BREAST_CANCER_BRCA1_VS_BRCA2_UP	49	38
JOHNSTONE_PARVB_TARGETS_1_DN	63	42
JOHNSTONE_PARVB_TARGETS_1_UP	7	Rejected!
JOHNSTONE_PARVB_TARGETS_2_DN	336	228
JOHNSTONE_PARVB_TARGETS_2_UP	140	104
JOHNSTONE_PARVB_TARGETS_3_DN	918	602
JOHNSTONE_PARVB_TARGETS_3_UP	430	306
KEGG_HOMOLOGOUS_RECOMBINATION	28	23
KRAS.600.LUNG.BREAST_UP.V1_DN	289	186
KRAS.600.LUNG.BREAST_UP.V1_UP	288	183
KRAS.BREAST_UP.V1_DN	145	81
KRAS.BREAST_UP.V1_UP	146	92
KRAS.LUNG.BREAST_UP.V1_DN	145	92
KRAS.LUNG.BREAST_UP.V1_UP	145	95
LANDEMAINE_LUNG_METASTASIS	21	13
LANDIS_ERBB2_BREAST_PRENEOPLASTIC_DN	55	45
LANDIS_ERBB2_BREAST_PRENEOPLASTIC_UP	20	17
LANDIS_ERBB2_BREAST_TUMORS_324_DN	149	123
LANDIS_ERBB2_BREAST_TUMORS_324_UP	150	121
LANDIS_ERBB2_BREAST_TUMORS_65_DN	37	32
LANDIS_ERBB2_BREAST_TUMORS_65_UP	22	18
LE_SKI_TARGETS_DN	8	7
LE_SKI_TARGETS_UP	17	13
LIEN_BREAST_CARCINOMA_METAPLASTIC	35	32
LIEN_BREAST_CARCINOMA_METAPLASTIC_VS_DUCTAL_DN	114	65
LIEN_BREAST_CARCINOMA_METAPLASTIC_VS_DUCTAL_UP	83	63
LIU_BREAST_CANCER	30	19
LIU_COMMON_CANCER_GENES	79	43
LIU_LIVER_CANCER	38	26
LIU_NASOPHARYNGEAL_CARCINOMA	70	51
LIU_TOPBP1_TARGETS	16	9
MACLACHLAN_BRCA1_TARGETS_DN	16	14
MACLACHLAN_BRCA1_TARGETS_UP	21	17
MAEKAWA_ATF2_TARGETS	24	20
MARCHINI_TRABECTEDIN_RESISTANCE_DN	49	38
MARCHINI_TRABECTEDIN_RESISTANCE_UP	21	17
MASSARWEH_RESPONSE_TO_ESTRADIOL	61	44
MASSARWEH_TAMOXIFEN_RESISTANCE_DN	258	159
MASSARWEH_TAMOXIFEN_RESISTANCE_UP	578	375
MCBRYAN_PUBERTAL_BREAST_3_4WK_DN	39	30
MCBRYAN_PUBERTAL_BREAST_3_4WK_UP	214	172
MCBRYAN_PUBERTAL_BREAST_4_5WK_DN	196	158
MCBRYAN_PUBERTAL_BREAST_4_5WK_UP	271	228
MCBRYAN_PUBERTAL_BREAST_5_6WK_DN	137	98
MCBRYAN_PUBERTAL_BREAST_5_6WK_UP	116	99
MCBRYAN_PUBERTAL_BREAST_6_7WK_DN	79	68
MCBRYAN_PUBERTAL_BREAST_6_7WK_UP	197	151
MCBRYAN_PUBERTAL_TGFB1_TARGETS_DN	62	58
MCBRYAN_PUBERTAL_TGFB1_TARGETS_UP	169	151
MCBRYAN_TERMINAL_END_BUD_DN	7	Rejected!
MCBRYAN_TERMINAL_END_BUD_UP	12	10
MIKI_COEXPRESSED_WITH_CYP19A1	7	7
MISHRA_CARCINOMA_ASSOCIATED_FIBROBLAST_DN	24	19
MISHRA_CARCINOMA_ASSOCIATED_FIBROBLAST_UP	24	18
MORF_BRCA1	264	195
MYC_UP.V1_DN	182	78
MYC_UP.V1_UP	186	97
NADERI_BREAST_CANCER_PROGNOSIS_DN	18	17
NADERI_BREAST_CANCER_PROGNOSIS_UP	50	39
NAGASHIMA_EGF_SIGNALING_UP	58	49
NAGASHIMA_NRG1_SIGNALING_DN	58	36
NAGASHIMA_NRG1_SIGNALING_UP	176	149
NAM_FXYD5_TARGETS_DN	18	17
NIKOLSKY_BREAST_CANCER_10Q22_AMPLICON	9	5
NIKOLSKY_BREAST_CANCER_11Q12_Q14_AMPLICON	158	98
NIKOLSKY_BREAST_CANCER_12Q13_Q21_AMPLICON	46	34
NIKOLSKY_BREAST_CANCER_12Q24_AMPLICON	15	9
NIKOLSKY_BREAST_CANCER_14Q22_AMPLICON	14	12
NIKOLSKY_BREAST_CANCER_15Q26_AMPLICON	22	10
NIKOLSKY_BREAST_CANCER_16P13_AMPLICON	120	68
NIKOLSKY_BREAST_CANCER_16Q24_AMPLICON	53	32
NIKOLSKY_BREAST_CANCER_17P11_AMPLICON	10	9
NIKOLSKY_BREAST_CANCER_17Q11_Q21_AMPLICON	133	80
NIKOLSKY_BREAST_CANCER_17Q21_Q25_AMPLICON	335	200
NIKOLSKY_BREAST_CANCER_19P13_AMPLICON	5	5
NIKOLSKY_BREAST_CANCER_19Q13.1_AMPLICON	22	Rejected!
NIKOLSKY_BREAST_CANCER_19Q13.4_AMPLICON	7	Rejected!
NIKOLSKY_BREAST_CANCER_1Q21_AMPLICON	38	31
NIKOLSKY_BREAST_CANCER_1Q32_AMPLICON	13	10

NIKOLSKY_BREAST_CANCER_20P13_AMPLICON	8	7	
NIKOLSKY_BREAST_CANCER_20Q11_AMPLICON	31	22	
NIKOLSKY_BREAST_CANCER_20Q12_Q13_AMPLICON	149	85	
NIKOLSKY_BREAST_CANCER_21Q22_AMPLICON	16	12	
NIKOLSKY_BREAST_CANCER_22Q13_AMPLICON	17	8	
NIKOLSKY_BREAST_CANCER_5P15_AMPLICON	26	20	
NIKOLSKY_BREAST_CANCER_6P24_P22_AMPLICON	21	13	
NIKOLSKY_BREAST_CANCER_7P15_AMPLICON	11	11	
NIKOLSKY_BREAST_CANCER_7P22_AMPLICON	38	23	
NIKOLSKY_BREAST_CANCER_7Q21_Q22_AMPLICON	76	44	
NIKOLSKY_BREAST_CANCER_8P12_P11_AMPLICON	57	38	
NIKOLSKY_BREAST_CANCER_8Q12_Q22_AMPLICON	132	86	
NIKOLSKY_BREAST_CANCER_8Q23_Q24_AMPLICON	157	87	
NIKOLSKY_MUTATED_AND_AMPLIFIED_IN_BREAST_CANCER	94	56	
NIKOLSKY_OVERCONNECTED_IN_BREAST_CANCER	22	19	
PACHER_TARGETS_OF_IGF1_AND_IGF2_UP	35	30	
PECE_MAMMARY_STEM_CELL_DN	146	102	
PECE_MAMMARY_STEM_CELL_UP	146	99	
PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_1	46	37	
PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_3	20	13	
PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_4	110	77	
PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_5	11	8	
PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_6	29	20	
PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_7	403	273	
PEDERSEN_TARGETS_OF_611CTF_ISOFORM_OF_ERBB2	76	55	
POOLA_INVASIVE_BREAST_CANCER_DN	134	97	
POOLA_INVASIVE_BREAST_CANCER_UP	288	215	
PUJANA_ATM_PCC_NETWORK	1442		Rejected!
PUJANA_BRCA1_PCC_NETWORK	1652		Rejected!
PUJANA_BRCA2_PCC_NETWORK	423	336	
PUJANA_BRCA_CENTERED_NETWORK	117	103	
PUJANA_BREAST_CANCER_LIT_INT_NETWORK	101	88	
PUJANA_BREAST_CANCER_WITH_BRCA1_MUTATED_DN	9	6	
PUJANA_BREAST_CANCER_WITH_BRCA1_MUTATED_UP	56	48	
PUJANA_CHEK2_PCC_NETWORK	779	603	
PUJANA_XPRSS_INT_NETWORK	168	138	
RAY_TUMORIGENESIS_BY_ERBB2_CDC25A_DN	159	125	
RAY_TUMORIGENESIS_BY_ERBB2_CDC25A_UP	104	80	
RIGGINS_TAMOXIFEN_RESISTANCE_DN	220	174	
RIGGINS_TAMOXIFEN_RESISTANCE_UP	66	58	
RIZKI_TUMOR_INVASIVENESS_2D_DN	64	56	
RIZKI_TUMOR_INVASIVENESS_2D_UP	69	56	
RIZKI_TUMOR_INVASIVENESS_3D_DN	270	201	
RIZKI_TUMOR_INVASIVENESS_3D_UP	210	163	
ROYLANCE_BREAST_CANCER_16Q_COPY_NUMBER_DN	26	16	
ROYLANCE_BREAST_CANCER_16Q_COPY_NUMBER_UP	63	33	
SCHUETZ_BREAST_CANCER_DUCTAL_INVASIVE_DN	84	68	
SCHUETZ_BREAST_CANCER_DUCTAL_INVASIVE_UP	351	266	
SEITZ_NEOPLASTIC_TRANSFORMATION_BY_8P_DELETION_DN	30	27	
SEITZ_NEOPLASTIC_TRANSFORMATION_BY_8P_DELETION_UP	73	54	
SMID_BREAST_CANCER_BASAL_DN	701	476	
SMID_BREAST_CANCER_BASAL_UP	648	493	
SMID_BREAST_CANCER_ERBB2_DN	5		Rejected!
SMID_BREAST_CANCER_ERBB2_UP	147	98	
SMID_BREAST_CANCER_LUMINAL_A_DN	18	15	
SMID_BREAST_CANCER_LUMINAL_A_UP	84	63	
SMID_BREAST_CANCER_LUMINAL_B_DN	564	412	
SMID_BREAST_CANCER_LUMINAL_B_UP	172	121	
SMID_BREAST_CANCER_NORMAL_LIKE_DN	6	5	
SMID_BREAST_CANCER_NORMAL_LIKE_UP	476	348	
SMID_BREAST_CANCER_RELAPSE_IN_BONE_DN	315	238	
SMID_BREAST_CANCER_RELAPSE_IN_BONE_UP	97	64	
SMID_BREAST_CANCER_RELAPSE_IN_BRAIN_DN	85	58	
SMID_BREAST_CANCER_RELAPSE_IN_BRAIN_UP	39	37	
SMID_BREAST_CANCER_RELAPSE_IN_LIVER_DN	10	10	
SMID_BREAST_CANCER_RELAPSE_IN_LIVER_UP	6	6	
SMID_BREAST_CANCER_RELAPSE_IN_LUNG_DN	37	25	
SMID_BREAST_CANCER_RELAPSE_IN_LUNG_UP	21	18	
SMID_BREAST_CANCER_RELAPSE_IN_PLEURA_DN	27	16	
SMID_BREAST_CANCER_RELAPSE_IN_PLEURA_UP	6	6	
SOTIRIOU_BREAST_CANCER_GRADE_1_VS_3_DN	52	35	
SOTIRIOU_BREAST_CANCER_GRADE_1_VS_3_UP	151	118	
SRC_UP.V1_DN	179	95	
SRC_UP.V1_UP	188	107	
STEIN_ESR1_TARGETS	85	70	
STEIN_ESRRA_TARGETS	535	379	
STEIN_ESRRA_TARGETS_DN	105	65	
STEIN_ESRRA_TARGETS_RESPONSIVE_TO_ESTROGEN_DN	41	35	
STEIN_ESRRA_TARGETS_RESPONSIVE_TO_ESTROGEN_UP	31	21	
STEIN_ESRRA_TARGETS_UP	388	286	
STEIN_ESTROGEN_RESPONSE_NOT_VIA_ESRRA	18	16	

STREICHER_LSM1_TARGETS_DN	19	15
STREICHER_LSM1_TARGETS_UP	44	37
SUBTIL_PROGESTIN_TARGETS	36	29
TAVAZOIE_METASTASIS	108	65
THEODOROU_MAMMARY_TUMORIGENESIS	31	24
THILLAINADESAN_ZNF217_TARGETS_DN	9	6
THILLAINADESAN_ZNF217_TARGETS_UP	44	31
TURASHVILI_BREAST_CARCINOMA_DUCTAL_VS_LOBULAR_DN	7	Rejected!
TURASHVILI_BREAST_CARCINOMA_DUCTAL_VS_LOBULAR_UP	21	13
TURASHVILI_BREAST_DUCTAL_CARCINOMA_VS_DUCTAL_NORMAL_DN	198	132
TURASHVILI_BREAST_DUCTAL_CARCINOMA_VS_DUCTAL_NORMAL_UP	44	35
TURASHVILI_BREAST_DUCTAL_CARCINOMA_VS_LOBULAR_NORMAL_DN	69	45
TURASHVILI_BREAST_DUCTAL_CARCINOMA_VS_LOBULAR_NORMAL_UP	73	57
TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_DUCTAL_NORMAL_DN	91	63
TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_DUCTAL_NORMAL_UP	69	53
TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_LOBULAR_NORMAL_DN	74	57
TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_LOBULAR_NORMAL_UP	94	66
TURASHVILI_BREAST_NORMAL_DUCTAL_VS_LOBULAR_DN	7	Rejected!
TURASHVILI_BREAST_NORMAL_DUCTAL_VS_LOBULAR_UP	68	34
V$AP2_Q3	251	194
V$AP2_Q6	258	184
V$AP2_Q6_01	272	192
V$AP2GAMMA_01	250	179
V$HMGIY_Q6	248	174
V$STAT1_02	252	174
V$STAT1_03	248	174
VANTVEER_BREAST_CANCER_BRCA1_DN	44	29
VANTVEER_BREAST_CANCER_BRCA1_UP	36	30
VANTVEER_BREAST_CANCER_ESR1_DN	240	185
VANTVEER_BREAST_CANCER_ESR1_UP	167	111
VANTVEER_BREAST_CANCER_METASTASIS_DN	121	84
VANTVEER_BREAST_CANCER_METASTASIS_UP	56	34
VANTVEER_BREAST_CANCER_POOR_PROGNOSIS	55	32
VETTER_TARGETS_OF_PRKCA_AND_ETS1_DN	16	10
VETTER_TARGETS_OF_PRKCA_AND_ETS1_UP	16	12
WANG_METASTASIS_OF_BREAST_CANCER	15	9
WANG_METASTASIS_OF_BREAST_CANCER_ESR1_DN	30	22
WANG_METASTASIS_OF_BREAST_CANCER_ESR1_UP	22	17
WANG_METHYLATED_IN_BREAST_CANCER	35	32
WILLIAMS_ESR1_TARGETS_DN	6	Rejected!
WILLIAMS_ESR1_TARGETS_UP	26	22
WILLIAMS_ESR2_TARGETS_DN	11	8
WILLIAMS_ESR2_TARGETS_UP	28	23
WILSON_PROTEASES_AT_TUMOR_BONE_INTERFACE_DN	5	5
WILSON_PROTEASES_AT_TUMOR_BONE_INTERFACE_UP	21	19
WINTER_HYPOXIA_DN	52	38
WINTER_HYPOXIA_METAGENE	242	198
WINTER_HYPOXIA_UP	92	61
WONG_MITOCHONDRIA_GENE_MODULE	217	178
WONG_PROTEASOME_GENE_MODULE	49	42
ZHANG_BREAST_CANCER_PROGENITORS_DN	145	104
ZHANG_BREAST_CANCER_PROGENITORS_UP	425	308
ZHU_SKIL_TARGETS_DN	9	9
ZHU_SKIL_TARGETS_UP	20	17
ZUCCHI_METASTASIS_DN	44	36
ZUCCHI_METASTASIS_UP	43	36