

STEAP3 acts as a potential prognostic biomarker correlated with M2 Macrophage infiltration and epithelial-mesenchymal transition in clear cell renal cell carcinoma

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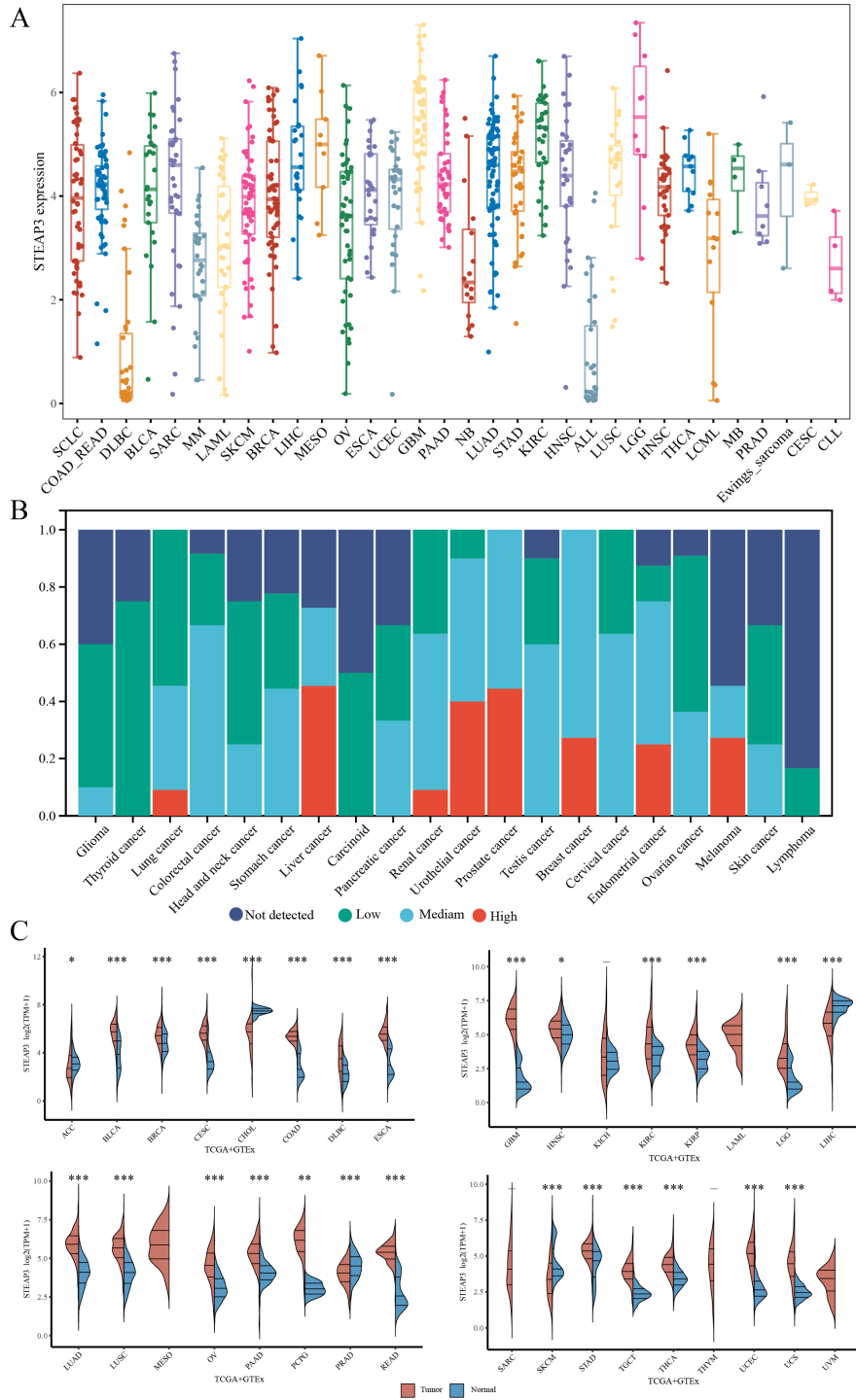
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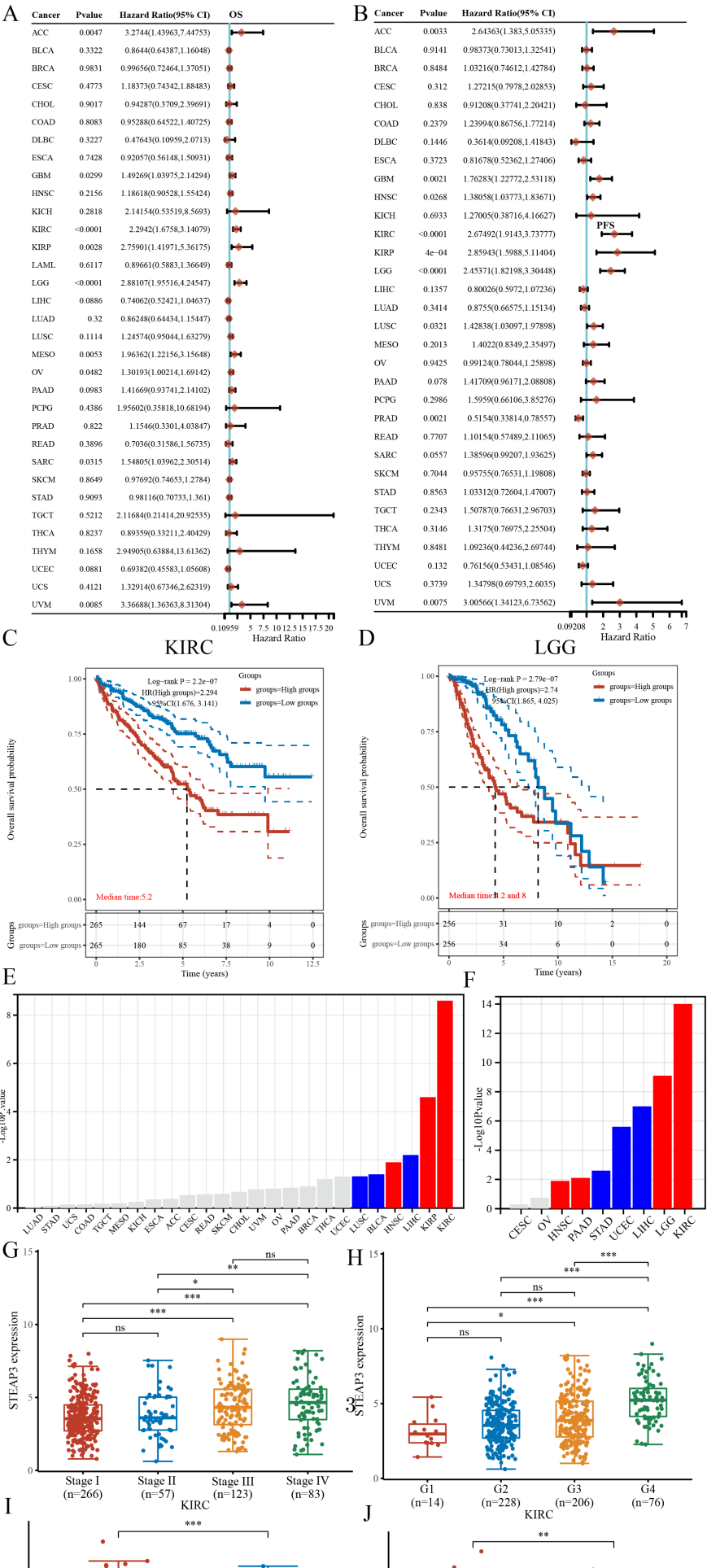
Abstract

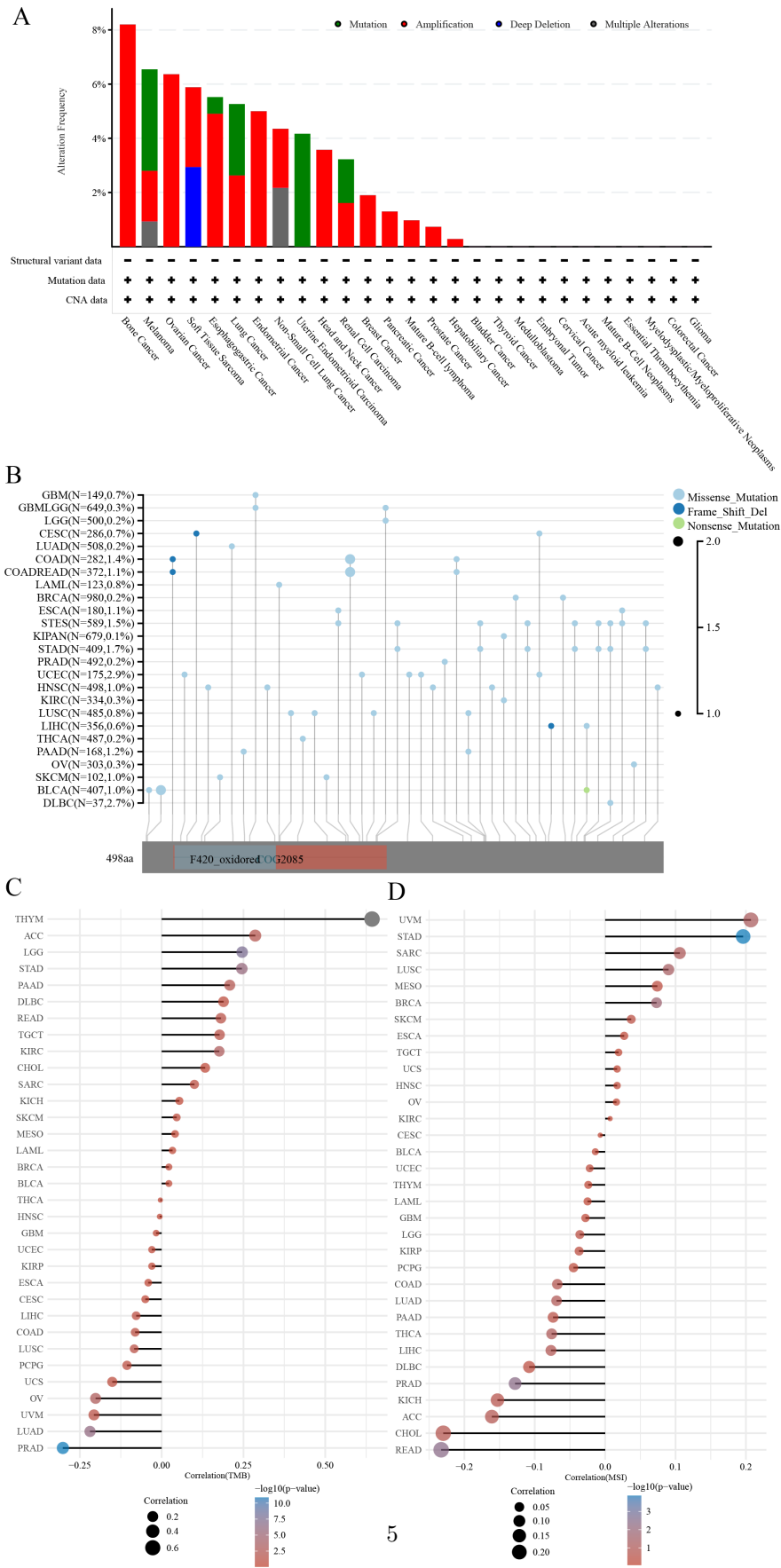
Background: The six-transmembrane epithelial antigen of the prostate 3 (STEAP3) plays an essential role in iron uptake as an iron reductase. Previous studies found that STEAP3 may play crucial roles in tumorigenesis. However, a comprehensive pan-cancer analysis of the prognosis and immunity of STEAP3 has not yet been reported. **Methods:** We performed a systematic analysis of the prognosis and immunity of STEAP3 in human pan-cancer. The data analysis and visualization were completed with R and Cytoscape. STEAP3 expression in cell lines and tissues was measured in multiple ways. Functional validation experiments were performed by shRNA knockdown in A498 and 786-O cell lines. Cell proliferation and invasive ability was detected by CCK-8 assay, transwell assay and wound healing assay. **Results:** In most tumor tissues, STEAP3 expression was remarkably upregulated and correlated with prognosis, particularly in clear cell renal cell carcinoma (ccRCC). Furthermore, STEAP3 expression was closely correlated with immune infiltrates and may induce recruitment and polarization of M2 macrophages in ccRCC. STEAP3 may be valuable for predicting responses to immune-checkpoint blockade (ICB) therapy. In addition, enrichment analysis results indicated that STEAP3 was positively related to immune-related pathways, P53 pathways and epithelial-mesenchymal transition (EMT). Finally, we demonstrated that STEAP3 was highly expressed in ccRCC tissues and might stimulate EMT via the downregulation of CDH1 in vitro in ccRCC. **Conclusion:** STEAP3 might function as a prognostic biomarker and immunotherapy response predictor in various cancers. Especially in ccRCC, STEAP3 is a new prognostic biomarker and exerts tumor-promoting function via stimulating the invasion and EMT and inducing recruitment and polarization of M2 macrophages.

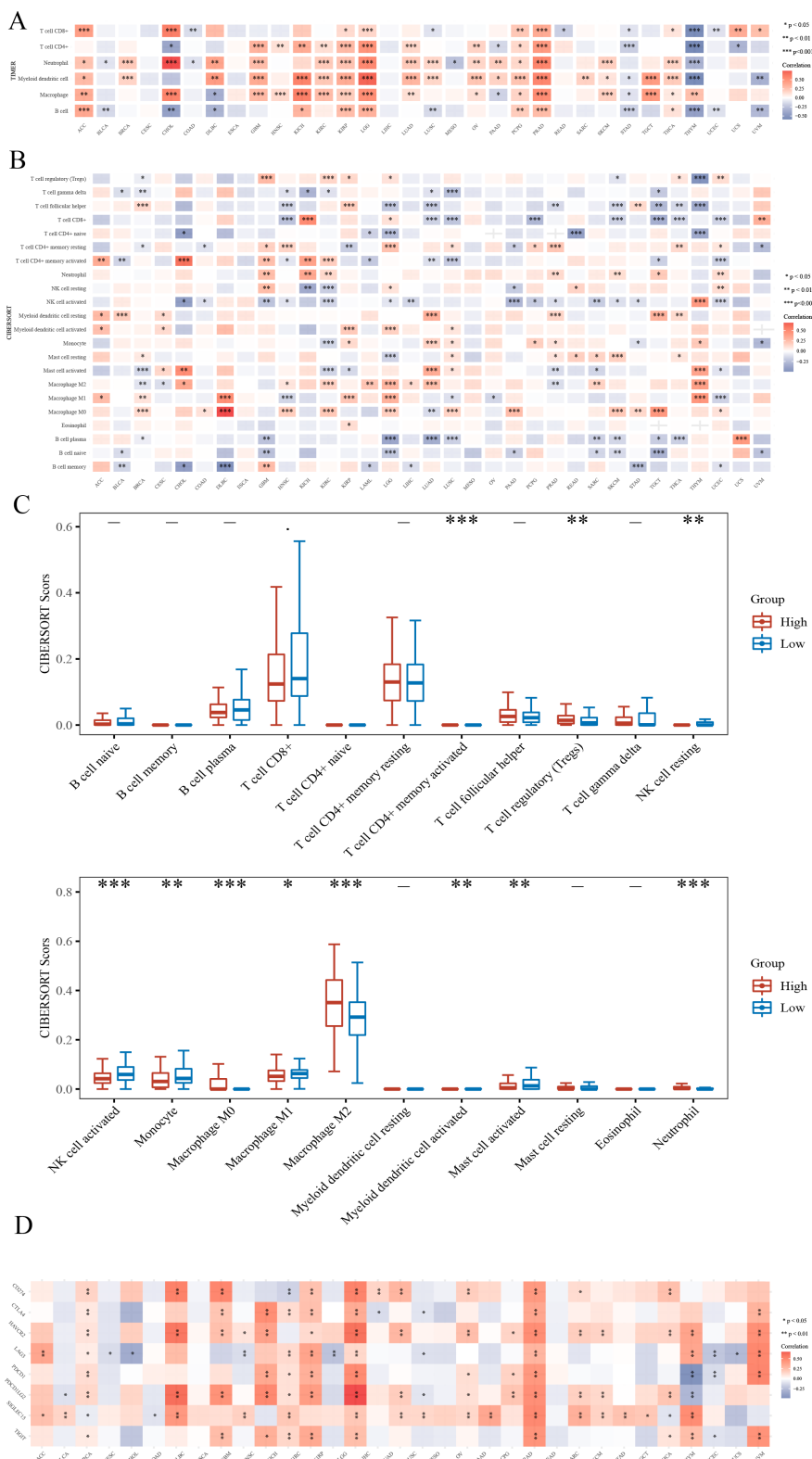
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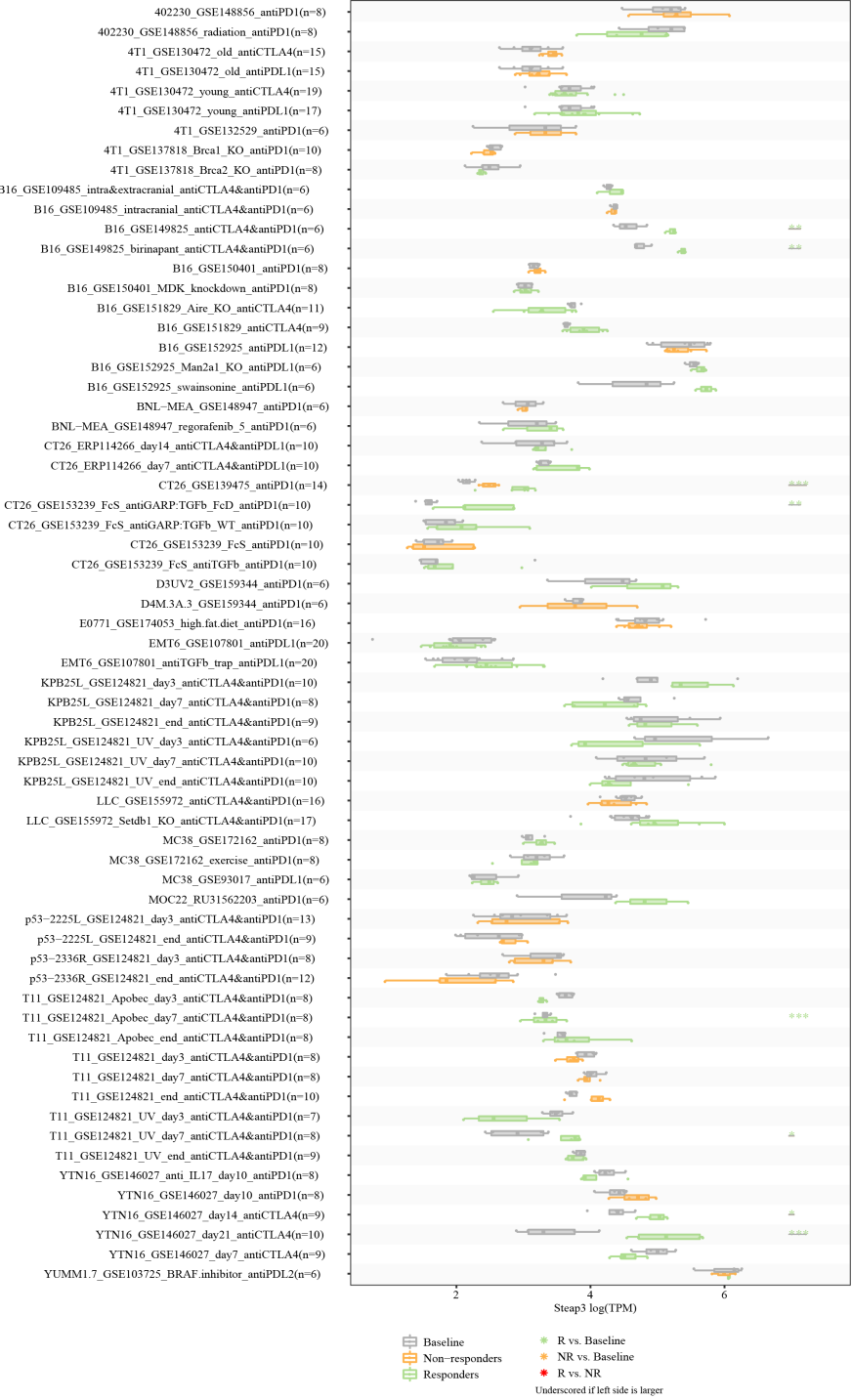




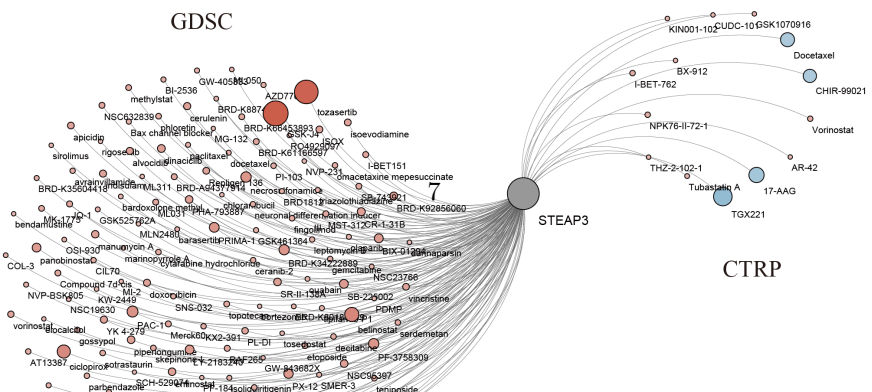


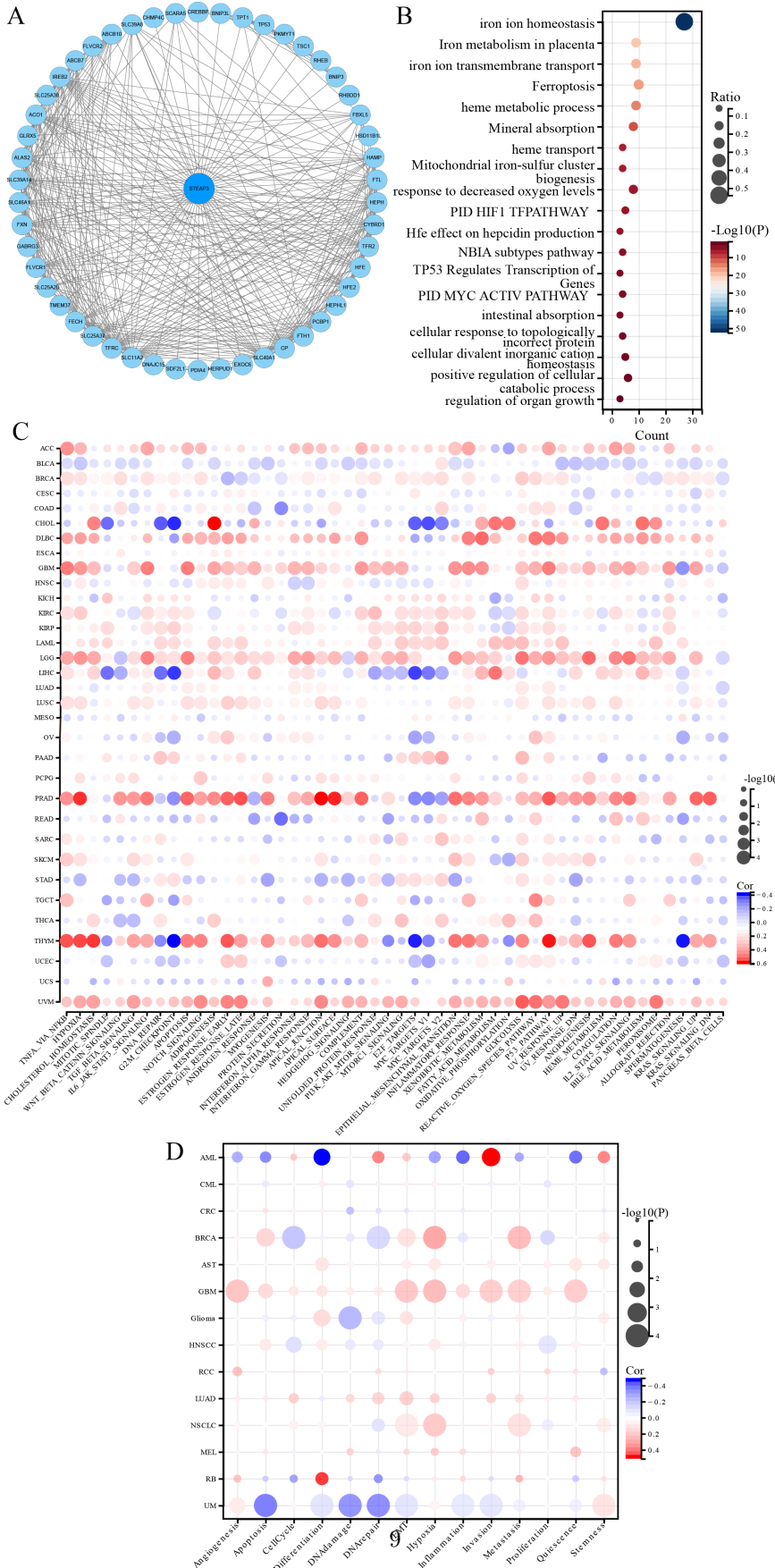


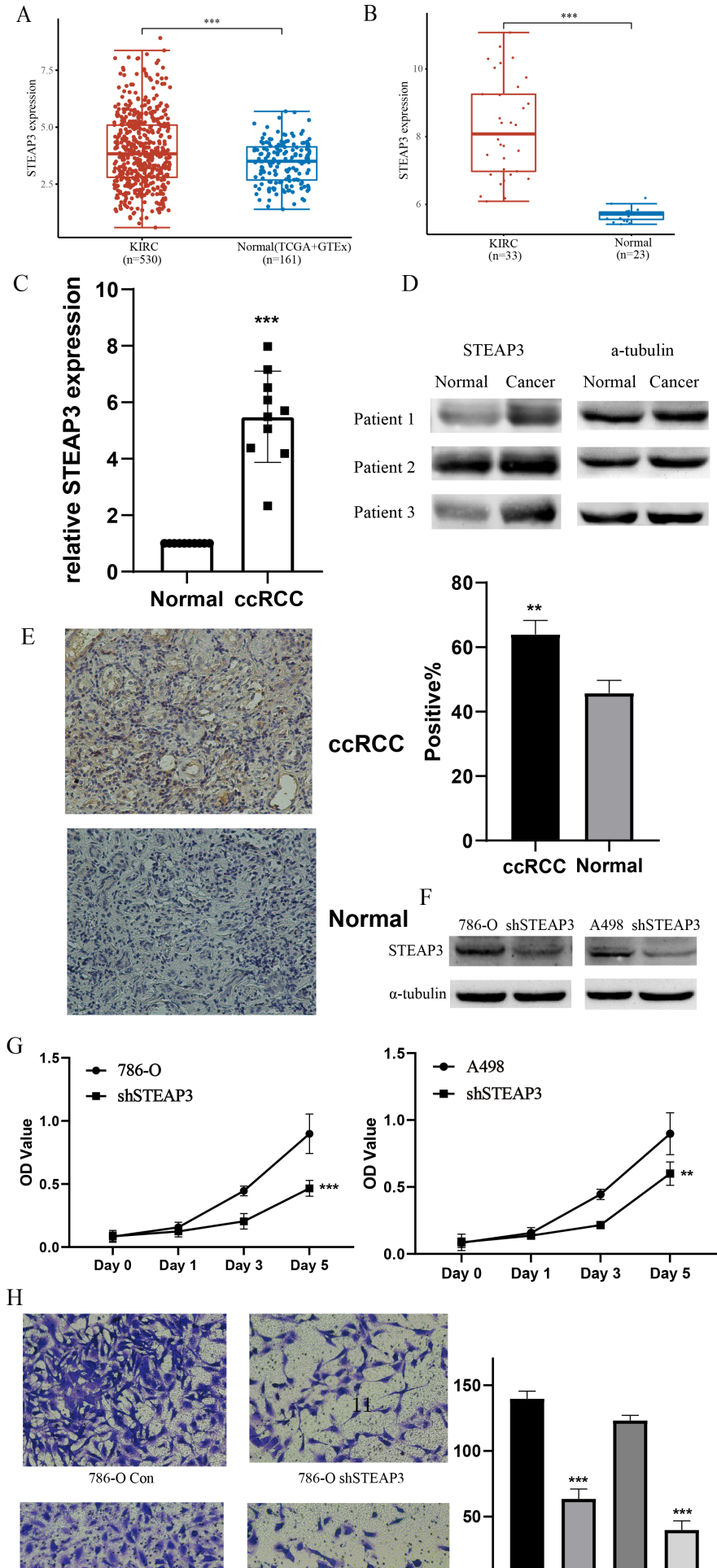
A



B







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Supplementary_Figure.docx available at <https://authorea.com/users/575334/articles/618645-steap3-acts-as-a-potential-prognostic-biomarker-correlated-with-m2-macrophage-infiltration-and-epithelial-mesenchymal-transition-in-clear-cell-renal-cell-carcinoma>

Table1 Abbreviations of cancers in the TCGA-Pancancer cohort

Abbr	unabbreviated form
ACC	Adrenocortical carcinoma
AML	Acute Myeloid Leukemia
BLCA	Bladder Urothelial Carcinoma
BRCA	Breast invasive carcinoma
CESC	Cervical squamous cell carcinoma and endocervical adenocarcinoma
CHOL	Cholangiocarcinoma
COAD	Colon adenocarcinoma
DLBC	Lymphoid Neoplasm Diffuse Large B-cell Lymphoma
ESCA	Esophageal carcinoma
GBM	Glioblastoma multiforme
HNSC	Head and Neck squamous cell carcinoma
KICH	Kidney Chromophobe
KIRC	Kidney renal clear cell carcinoma
KIRP	Kidney renal papillary cell carcinoma
LAML	Acute Myeloid Leukemia
LGG	Brain Lower Grade Glioma
LIHC	Liver hepatocellular carcinoma
LUAD	Lung adenocarcinoma
LUSC	Lung squamous cell carcinoma
MESO	Mesothelioma
OV	Ovarian serous cystadenocarcinoma
PAAD	Pancreatic adenocarcinoma
PPGL	Pheochromocytoma and Paraganglioma
PRAD	Prostate adenocarcinoma
READ	Rectum adenocarcinoma
SARC	Sarcoma
SKCM	Skin Cutaneous Melanoma
STAD	Stomach adenocarcinoma
TGCT	Testicular Germ Cell Tumors
THCA	Thyroid carcinoma
THYM	Thymoma
UCEC	Uterine Corpus Endometrial Carcinoma
UCS	Uterine Carcinosarcoma
UVM	Uveal +A3:B36Melanoma

Table2. Clinical information of all patients

Patients	Sex	Age	Grade	TStage
574025	female	64	I	T1a
574808	male	71	II	T3a
574538	male	58	III	T3
575124	male	64	III	T1
576073	male	55	II	T1b
572895	male	59	III	T3
576550	male	73	III	T1b
576673	male	61	II	T1b
412449	male	59	II	T3

Table3. Primers Sequence used in real-time quantitative PCR

Gene	Primer Sequence
STEAP3-F	TGCAAACCTCGCTCAACTGGAGG
STEAP3-R	AGGCAGGTAGAACTTGTAGCGG
GADPH-F	ACAACCTTTGGTATCGTGGAAGG
GADPH-R	GCCATCACGCCACAGTTTC
CDH2-F	CCTCCAGAGTTTACTGCCATGAC
CDH2-R	GTAGGATCTCCGCCACTGATTC
CDH1-F	CGAGAGCTACACGTTTCACGG
CDH1-R	GGGTGTCGAGGGAAAAATAGG
VIM-F	AGGCAAAGCAGGAGTCCACTGA
VIM-R	ATCTGGCGTTCCAGGGACTCAT

Table4. The expression of STEAP3 after immunotherapy

Samples	geneID	value	cell_line	Responder	Baseline	GSE_ID	Mouse_trea
SRX31782	Steap3	6.063953	YUMM1.7	Responders	0	GSE10372	BRAFi; antiCTLA4
SRX31782	Steap3	6.167155	YUMM1.7	Non-responders	0	GSE10372	BRAFi; antiCTLA4
SRX31782	Steap3	5.818049	YUMM1.7	Non-responders	0	GSE10372	BRAFi; antiCTLA4
SRX31782	Steap3	5.547706	YUMM1.7	Baseline	1	GSE10372	BRAFi
SRX31782	Steap3	6.263628	YUMM1.7	Baseline	1	GSE10372	BRAFi
SRX31782	Steap3	6.146775	YUMM1.7	Baseline	1	GSE10372	BRAFi
SRX78137	Steap3	4.85633	YTN16_G	Responders	0	GSE14602	antiCTLA4
SRX78137	Steap3	4.672442	YTN16_G	Responders	0	GSE14602	antiCTLA4
SRX78137	Steap3	4.504273	YTN16_G	Responders	0	GSE14602	antiCTLA4
SRX78137	Steap3	4.458851	YTN16_G	Responders	0	GSE14602	antiCTLA4
SRX78137	Steap3	4.290631	YTN16_G	Responders	0	GSE14602	antiCTLA4
SRX78136	Steap3	5.278606	YTN16_G	Baseline	1	GSE14602	no_treatment
SRX78136	Steap3	5.092864	YTN16_G	Baseline	1	GSE14602	no_treatment
SRX78136	Steap3	4.907208	YTN16_G	Baseline	1	GSE14602	no_treatment
SRX78136	Steap3	4.616255	YTN16_G	Baseline	1	GSE14602	no_treatment
SRX78137	Steap3	5.680736	YTN16_G	Responders	0	GSE14602	antiCTLA4
SRX78137	Steap3	5.632164	YTN16_G	Responders	0	GSE14602	antiCTLA4
SRX78137	Steap3	5.128835	YTN16_G	Responders	0	GSE14602	antiCTLA4
SRX78137	Steap3	4.721315	YTN16_G	Responders	0	GSE14602	antiCTLA4
SRX78137	Steap3	4.547991	YTN16_G	Responders	0	GSE14602	antiCTLA4
SRX78137	Steap3	3.072696	YTN16_G	Baseline	1	GSE14602	no_treatment
SRX78137	Steap3	2.898251	YTN16_G	Baseline	1	GSE14602	no_treatment
SRX78137	Steap3	3.764427	YTN16_G	Baseline	1	GSE14602	no_treatment
SRX78137	Steap3	3.29745	YTN16_G	Baseline	1	GSE14602	no_treatment
SRX78137	Steap3	4.135934	YTN16_G	Baseline	1	GSE14602	no_treatment
SRX78137	Steap3	5.152584	YTN16_G	Responders	0	GSE14602	antiCTLA4
SRX78137	Steap3	5.094247	YTN16_G	Responders	0	GSE14602	antiCTLA4
SRX78137	Steap3	5.031269	YTN16_G	Responders	0	GSE14602	antiCTLA4
SRX78137	Steap3	4.890753	YTN16_G	Responders	0	GSE14602	antiCTLA4
SRX78137	Steap3	4.689164	YTN16_G	Responders	0	GSE14602	antiCTLA4
SRX78136	Steap3	4.389019	YTN16_G	Baseline	1	GSE14602	no_treatment
SRX78136	Steap3	3.957217	YTN16_G	Baseline	1	GSE14602	no_treatment
SRX78136	Steap3	4.674542	YTN16_G	Baseline	1	GSE14602	no_treatment
SRX78136	Steap3	4.422053	YTN16_G	Baseline	1	GSE14602	no_treatment
SRX78137	Steap3	4.986396	YTN16_G	Non-responders	0	GSE14602	antiPD1
SRX78137	Steap3	4.831132	YTN16_G	Non-responders	0	GSE14602	antiPD1
SRX78137	Steap3	4.583281	YTN16_G	Non-responders	0	GSE14602	antiPD1
SRX78137	Steap3	4.279578	YTN16_G	Non-responders	0	GSE14602	antiPD1
SRX78137	Steap3	4.064114	YTN16_G	Baseline	1	GSE14602	no_treatment
SRX78137	Steap3	4.499422	YTN16_G	Baseline	1	GSE14602	no_treatment
SRX78137	Steap3	4.540562	YTN16_G	Baseline	1	GSE14602	no_treatment
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SRX78137	Steap3	4.564925	YTN16_G	Responders	0	GSE14602	antiPD1; antiCTLA4
SRX78137	Steap3	3.926783	YTN16_G	Responders	0	GSE14602	antiPD1; antiCTLA4
SRX78137	Steap3	3.903806	YTN16_G	Responders	0	GSE14602	antiPD1; antiCTLA4
SRX78137	Steap3	3.869487	YTN16_G	Responders	0	GSE14602	antiPD1; antiCTLA4
SRX78137	Steap3	4.064894	YTN16_G	Baseline	1	GSE14602	anti_IL17
SRX78137	Steap3	4.528576	YTN16_G	Baseline	1	GSE14602	anti_IL17
SRX78137	Steap3	4.288449	YTN16_G	Baseline	1	GSE14602	anti_IL17
SRX78137	Steap3	4.152777	YTN16_G	Baseline	1	GSE14602	anti_IL17
SRX51006	Steap3	3.941171	T11_GSE1	Responders	0	GSE12482	antiPD1; antiCTLA4
SRX51006	Steap3	3.896355	T11_GSE1	Responders	0	GSE12482	antiPD1; antiCTLA4
SRX51006	Steap3	3.735925	T11_GSE1	Responders	0	GSE12482	antiPD1; antiCTLA4
SRX51006	Steap3	3.664642	T11_GSE1	Responders	0	GSE12482	antiPD1; antiCTLA4

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SRX51007 Steap3	3.361626	p53-2225L Baseline	1	GSE12482 no_treatme
SRX51007 Steap3	2.681299	p53-2225L Baseline	1	GSE12482 no_treatme
SRX51007 Steap3	2.573393	p53-2225L Baseline	1	GSE12482 no_treatme

Ravi_MOC Steap3	5.462063	MOC22_R Responders	0	RU315622 antiPD1
Ravi_MOC Steap3	4.806954	MOC22_R Responders	0	RU315622 antiPD1
Ravi_MOC Steap3	4.380313	MOC22_R Responders	0	RU315622 antiPD1
Ravi_MOC Steap3	4.393864	MOC22_R Baseline	1	RU315622 isotype
Ravi_MOC Steap3	2.90994	MOC22_R Baseline	1	RU315622 isotype
Ravi_MOC Steap3	4.228196	MOC22_R Baseline	1	RU315622 isotype
SRX24522 Steap3	2.621609	MC38_GS Responders	0	GSE93017 antiPDL1
SRX24522 Steap3	2.490263	MC38_GS Responders	0	GSE93017 antiPDL1
SRX24522 Steap3	2.241711	MC38_GS Responders	0	GSE93017 antiPDL1
SRX24522 Steap3	2.930078	MC38_GS Baseline	1	GSE93017 isotype
SRX24522 Steap3	2.203364	MC38_GS Baseline	1	GSE93017 isotype
SRX24522 Steap3	2.255948	MC38_GS Baseline	1	GSE93017 isotype
SRX10606 Steap3	3.210305	MC38_GS Responders	0	GSE17216 antiPD1; e
SRX10606 Steap3	3.208361	MC38_GS Responders	0	GSE17216 antiPD1; e
SRX10606 Steap3	3.117766	MC38_GS Responders	0	GSE17216 antiPD1; e
SRX10606 Steap3	2.54361	MC38_GS Responders	0	GSE17216 antiPD1; e
SRX10606 Steap3	2.808894	MC38_GS Baseline	1	GSE17216 exercise
SRX10606 Steap3	3.611358	MC38_GS Baseline	1	GSE17216 exercise
SRX10606 Steap3	3.319751	MC38_GS Baseline	1	GSE17216 exercise
SRX10606 Steap3	3.071408	MC38_GS Baseline	1	GSE17216 exercise
SRX10606 Steap3	3.470326	MC38_GS Responders	0	GSE17216 antiPD1
SRX10606 Steap3	3.291821	MC38_GS Responders	0	GSE17216 antiPD1
SRX10606 Steap3	3.255492	MC38_GS Responders	0	GSE17216 antiPD1
SRX10606 Steap3	3.003247	MC38_GS Responders	0	GSE17216 antiPD1
SRX10606 Steap3	3.068683	MC38_GS Baseline	1	GSE17216 isotype
SRX10606 Steap3	3.322219	MC38_GS Baseline	1	GSE17216 isotype
SRX10606 Steap3	3.05031	MC38_GS Baseline	1	GSE17216 isotype
SRX10606 Steap3	2.986364	MC38_GS Baseline	1	GSE17216 isotype
SRX89183 Steap3	6.005596	LLC_GSE Responders	0	GSE15597 antiPD1; ar
SRX89183 Steap3	5.629059	LLC_GSE Responders	0	GSE15597 antiPD1; ar
SRX89183 Steap3	4.980612	LLC_GSE Responders	0	GSE15597 antiPD1; ar
SRX89183 Steap3	4.950513	LLC_GSE Responders	0	GSE15597 antiPD1; ar
SRX89183 Steap3	4.86642	LLC_GSE Responders	0	GSE15597 antiPD1; ar
SRX89183 Steap3	4.613488	LLC_GSE Responders	0	GSE15597 antiPD1; ar
SRX89183 Steap3	3.862898	LLC_GSE Responders	0	GSE15597 antiPD1; ar
SRX89183 Steap3	4.636981	LLC_GSE Baseline	1	GSE15597 no_treatme
SRX89183 Steap3	4.302862	LLC_GSE Baseline	1	GSE15597 no_treatme
SRX89183 Steap3	4.87728	LLC_GSE Baseline	1	GSE15597 no_treatme
SRX89183 Steap3	4.709626	LLC_GSE Baseline	1	GSE15597 no_treatme
SRX89183 Steap3	4.838082	LLC_GSE Baseline	1	GSE15597 no_treatme
SRX89183 Steap3	4.316275	LLC_GSE Baseline	1	GSE15597 no_treatme
SRX89184 Steap3	4.729148	LLC_GSE Baseline	1	GSE15597 no_treatme
SRX89184 Steap3	4.599066	LLC_GSE Baseline	1	GSE15597 no_treatme
SRX89184 Steap3	3.707686	LLC_GSE Baseline	1	GSE15597 no_treatme
SRX89184 Steap3	4.502598	LLC_GSE Baseline	1	GSE15597 no_treatme
SRX89184 Steap3	4.842591	LLC_GSE Non-responders	0	GSE15597 antiPD1; ar
SRX89184 Steap3	4.686399	LLC_GSE Non-responders	0	GSE15597 antiPD1; ar
SRX89184 Steap3	4.356232	LLC_GSE Non-responders	0	GSE15597 antiPD1; ar
SRX89184 Steap3	4.173405	LLC_GSE Non-responders	0	GSE15597 antiPD1; ar
SRX89184 Steap3	4.162584	LLC_GSE Non-responders	0	GSE15597 antiPD1; ar
SRX89184 Steap3	3.969237	LLC_GSE Non-responders	0	GSE15597 antiPD1; ar
SRX89184 Steap3	4.552555	LLC_GSE Baseline	1	GSE15597 no_treatme
SRX89184 Steap3	4.38886	LLC_GSE Baseline	1	GSE15597 no_treatme
SRX89184 Steap3	4.4904	LLC_GSE Baseline	1	GSE15597 no_treatme
SRX89184 Steap3	4.676638	LLC_GSE Baseline	1	GSE15597 no_treatme
SRX89184 Steap3	4.611913	LLC_GSE Baseline	1	GSE15597 no_treatme

SRX89184 Steap3	4.675025	LLC_GSE1 Baseline	1	GSE15597' no_treatme
SRX89184 Steap3	4.454733	LLC_GSE1 Baseline	1	GSE15597' no_treatme
SRX89184 Steap3	4.770294	LLC_GSE1 Baseline	1	GSE15597' no_treatme
SRX89184 Steap3	4.148619	LLC_GSE1 Baseline	1	GSE15597' no_treatme
SRX89184 Steap3	4.49781	LLC_GSE1 Baseline	1	GSE15597' no_treatme
SRX51007 Steap3	5.466743	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51007 Steap3	4.312248	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51007 Steap3	4.234185	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51007 Steap3	3.999073	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51006 Steap3	4.665234	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51006 Steap3	4.281398	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51007 Steap3	4.941883	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51007 Steap3	5.869082	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51005 Steap3	4.223111	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51006 Steap3	5.667596	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51006 Steap3	5.805842	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51007 Steap3	5.056289	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51006 Steap3	4.688262	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51007 Steap3	4.61679	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51006 Steap3	4.547545	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51007 Steap3	4.485518	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51007 Steap3	5.707154	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51007 Steap3	5.14016	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51007 Steap3	4.502341	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51007 Steap3	4.090252	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51008 Steap3	5.636855	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51007 Steap3	3.919374	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51007 Steap3	3.721724	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51008 Steap3	6.658394	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51008 Steap3	4.663396	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51008 Steap3	4.962037	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51008 Steap3	5.60029	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51008 Steap3	4.817503	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51008 Steap3	4.581169	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51005 Steap3	5.941443	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51005 Steap3	4.612257	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51005 Steap3	4.749749	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51005 Steap3	4.745799	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51005 Steap3	4.547697	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51005 Steap3	5.487632	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51006 Steap3	4.836264	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51006 Steap3	4.658028	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51006 Steap3	3.767261	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51006 Steap3	3.617966	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51006 Steap3	4.576538	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51006 Steap3	4.525797	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51006 Steap3	4.429703	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51006 Steap3	5.2553	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51005 Steap3	6.140039	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51005 Steap3	5.752524	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51005 Steap3	5.344587	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51005 Steap3	5.223965	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51006 Steap3	5.222305	KPB25L_C Responders	0	GSE12482 antiPD1; ar
SRX51005 Steap3	4.190251	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51005 Steap3	4.69956	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51006 Steap3	4.99864	KPB25L_C Baseline	1	GSE12482 no_treatme

SRX51006 Steap3	4.899244	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX51005 Steap3	6.201222	KPB25L_C Baseline	1	GSE12482 no_treatme
SRX34531 Steap3	3.318254	EMT6_GS Responders	0	GSE10780 M7824 (an
SRX34531 Steap3	3.30398	EMT6_GS Responders	0	GSE10780 M7824 (an
SRX34531 Steap3	2.906859	EMT6_GS Responders	0	GSE10780 M7824 (an
SRX34531 Steap3	2.590603	EMT6_GS Responders	0	GSE10780 M7824 (an
SRX34531 Steap3	2.521941	EMT6_GS Responders	0	GSE10780 M7824 (an
SRX34532 Steap3	2.368278	EMT6_GS Responders	0	GSE10780 M7824 (an
SRX34531 Steap3	2.31414	EMT6_GS Responders	0	GSE10780 M7824 (an
SRX34532 Steap3	2.290604	EMT6_GS Responders	0	GSE10780 M7824 (an
SRX34531 Steap3	2.160161	EMT6_GS Responders	0	GSE10780 M7824 (an
SRX34531 Steap3	1.67829	EMT6_GS Responders	0	GSE10780 M7824 (an
SRX34531 Steap3	2.85642	EMT6_GS Baseline	1	GSE10780 anti_PDL1
SRX34531 Steap3	2.166797	EMT6_GS Baseline	1	GSE10780 anti_PDL1
SRX34531 Steap3	2.181951	EMT6_GS Baseline	1	GSE10780 anti_PDL1
SRX34531 Steap3	2.68677	EMT6_GS Baseline	1	GSE10780 anti_PDL1
SRX34531 Steap3	1.543905	EMT6_GS Baseline	1	GSE10780 anti_PDL1
SRX34531 Steap3	1.730516	EMT6_GS Baseline	1	GSE10780 anti_PDL1
SRX34531 Steap3	2.348073	EMT6_GS Baseline	1	GSE10780 anti_PDL1
SRX34531 Steap3	1.659199	EMT6_GS Baseline	1	GSE10780 anti_PDL1
SRX34531 Steap3	2.122347	EMT6_GS Baseline	1	GSE10780 anti_PDL1
SRX34531 Steap3	1.980624	EMT6_GS Baseline	1	GSE10780 anti_PDL1
SRX34531 Steap3	2.436049	EMT6_GS Responders	0	GSE10780 antiPDL1;
SRX34531 Steap3	2.376852	EMT6_GS Responders	0	GSE10780 antiPDL1;
SRX34531 Steap3	2.371836	EMT6_GS Responders	0	GSE10780 antiPDL1;
SRX34531 Steap3	2.009162	EMT6_GS Responders	0	GSE10780 antiPDL1;
SRX34531 Steap3	1.956763	EMT6_GS Responders	0	GSE10780 antiPDL1;
SRX34531 Steap3	1.853295	EMT6_GS Responders	0	GSE10780 antiPDL1;
SRX34531 Steap3	1.811622	EMT6_GS Responders	0	GSE10780 antiPDL1;
SRX34531 Steap3	1.617115	EMT6_GS Responders	0	GSE10780 antiPDL1;
SRX34531 Steap3	1.612337	EMT6_GS Responders	0	GSE10780 antiPDL1;
SRX34531 Steap3	1.478725	EMT6_GS Responders	0	GSE10780 antiPDL1;
SRX34531 Steap3	0.753904	EMT6_GS Baseline	1	GSE10780 isotype
SRX34531 Steap3	1.901446	EMT6_GS Baseline	1	GSE10780 isotype
SRX34531 Steap3	2.559673	EMT6_GS Baseline	1	GSE10780 isotype
SRX34531 Steap3	2.580643	EMT6_GS Baseline	1	GSE10780 isotype
SRX34531 Steap3	2.044245	EMT6_GS Baseline	1	GSE10780 isotype
SRX34531 Steap3	1.914484	EMT6_GS Baseline	1	GSE10780 isotype
SRX34531 Steap3	2.399104	EMT6_GS Baseline	1	GSE10780 isotype
SRX34531 Steap3	2.561722	EMT6_GS Baseline	1	GSE10780 isotype
SRX34531 Steap3	2.060464	EMT6_GS Baseline	1	GSE10780 isotype
SRX34531 Steap3	2.031844	EMT6_GS Baseline	1	GSE10780 isotype
SRX10815 Steap3	5.209123	E0771_GS Non-responders	0	GSE17405 antiPD1; hi
SRX10815 Steap3	5.033757	E0771_GS Non-responders	0	GSE17405 antiPD1; hi
SRX10815 Steap3	4.776717	E0771_GS Non-responders	0	GSE17405 antiPD1; hi
SRX10815 Steap3	4.741038	E0771_GS Non-responders	0	GSE17405 antiPD1; hi
SRX10815 Steap3	4.679377	E0771_GS Non-responders	0	GSE17405 antiPD1; hi
SRX10815 Steap3	4.58876	E0771_GS Non-responders	0	GSE17405 antiPD1; hi
SRX10815 Steap3	4.51601	E0771_GS Non-responders	0	GSE17405 antiPD1; hi
SRX10815 Steap3	4.394546	E0771_GS Non-responders	0	GSE17405 antiPD1; hi
SRX10815 Steap3	5.001597	E0771_GS Baseline	1	GSE17405 isotype; hig
SRX10815 Steap3	4.796791	E0771_GS Baseline	1	GSE17405 isotype; hig
SRX10815 Steap3	5.089426	E0771_GS Baseline	1	GSE17405 isotype; hig
SRX10815 Steap3	4.420252	E0771_GS Baseline	1	GSE17405 isotype; hig
SRX10815 Steap3	4.394546	E0771_GS Baseline	1	GSE17405 isotype; hig
SRX10815 Steap3	4.841646	E0771_GS Baseline	1	GSE17405 isotype; hig

SRX10815 Steap3	5.7232	E0771_GS Baseline	1	GSE17405 isotype; hig
SRX10815 Steap3	4.746291	E0771_GS Baseline	1	GSE17405 isotype; hig
SRX92732 Steap3	4.703984	D4M.3A.3 Non-responders	0	GSE15934 antiPD1
SRX92732 Steap3	3.769001	D4M.3A.3 Non-responders	0	GSE15934 antiPD1
SRX92732 Steap3	2.951777	D4M.3A.3 Non-responders	0	GSE15934 antiPD1
SRX92732 Steap3	3.85217	D4M.3A.3 Baseline	1	GSE15934 isotype
SRX92732 Steap3	3.625953	D4M.3A.3 Baseline	1	GSE15934 isotype
SRX92732 Steap3	3.894895	D4M.3A.3 Baseline	1	GSE15934 isotype
SRX92732 Steap3	5.312651	D3UV2_G Responders	0	GSE15934 antiPD1
SRX92732 Steap3	5.077771	D3UV2_G Responders	0	GSE15934 antiPD1
SRX92732 Steap3	4.018588	D3UV2_G Responders	0	GSE15934 antiPD1
SRX92732 Steap3	4.479906	D3UV2_G Baseline	1	GSE15934 isotype
SRX92732 Steap3	3.363041	D3UV2_G Baseline	1	GSE15934 isotype
SRX92732 Steap3	4.685979	D3UV2_G Baseline	1	GSE15934 isotype
SRX86159 Steap3	2.981535	CT26_GSF Responders	0	GSE15323 antiTGFb; ,
SRX86159 Steap3	1.947251	CT26_GSF Responders	0	GSE15323 antiTGFb; ,
SRX86159 Steap3	1.674053	CT26_GSF Responders	0	GSE15323 antiTGFb; ,
SRX86159 Steap3	1.580833	CT26_GSF Responders	0	GSE15323 antiTGFb; ,
SRX86159 Steap3	1.526442	CT26_GSF Responders	0	GSE15323 antiTGFb; ,
SRX86159 Steap3	1.713446	CT26_GSF Baseline	1	GSE15323 antiTGFb
SRX86159 Steap3	3.17625	CT26_GSF Baseline	1	GSE15323 antiTGFb
SRX86159 Steap3	1.474011	CT26_GSF Baseline	1	GSE15323 antiTGFb
SRX86159 Steap3	1.461295	CT26_GSF Baseline	1	GSE15323 antiTGFb
SRX86159 Steap3	1.702119	CT26_GSF Baseline	1	GSE15323 antiTGFb
SRX86159 Steap3	2.277357	CT26_GSF Non-responders	0	GSE15323 antiPD1_Fc
SRX86159 Steap3	2.256423	CT26_GSF Non-responders	0	GSE15323 antiPD1_Fc
SRX86159 Steap3	1.517555	CT26_GSF Non-responders	0	GSE15323 antiPD1_Fc
SRX86159 Steap3	1.353249	CT26_GSF Non-responders	0	GSE15323 antiPD1_Fc
SRX86159 Steap3	1.272054	CT26_GSF Non-responders	0	GSE15323 antiPD1_Fc
SRX86159 Steap3	1.942702	CT26_GSF Baseline	1	GSE15323 isotype
SRX86159 Steap3	1.800972	CT26_GSF Baseline	1	GSE15323 isotype
SRX86159 Steap3	1.726298	CT26_GSF Baseline	1	GSE15323 isotype
SRX86159 Steap3	1.40339	CT26_GSF Baseline	1	GSE15323 isotype
SRX86159 Steap3	1.515512	CT26_GSF Baseline	1	GSE15323 isotype
SRX86159 Steap3	3.099425	CT26_GSF Responders	0	GSE15323 antiGARP; ,
SRX86159 Steap3	2.295104	CT26_GSF Responders	0	GSE15323 antiGARP; ,
SRX86159 Steap3	2.075048	CT26_GSF Responders	0	GSE15323 antiGARP; ,
SRX86159 Steap3	1.712752	CT26_GSF Responders	0	GSE15323 antiGARP; ,
SRX86159 Steap3	1.575506	CT26_GSF Responders	0	GSE15323 antiGARP; ,
SRX86159 Steap3	2.101468	CT26_GSF Baseline	1	GSE15323 antiGARP; ,
SRX86159 Steap3	1.518809	CT26_GSF Baseline	1	GSE15323 antiGARP; ,
SRX86159 Steap3	1.979237	CT26_GSF Baseline	1	GSE15323 antiGARP; ,
SRX86159 Steap3	1.844125	CT26_GSF Baseline	1	GSE15323 antiGARP; ,
SRX86159 Steap3	1.542435	CT26_GSF Baseline	1	GSE15323 antiGARP; ,
SRX86159 Steap3	2.866284	CT26_GSF Responders	0	GSE15323 antiGARP; ,
SRX86159 Steap3	2.853828	CT26_GSF Responders	0	GSE15323 antiGARP; ,
SRX86159 Steap3	2.118921	CT26_GSF Responders	0	GSE15323 antiGARP; ,
SRX86159 Steap3	2.118921	CT26_GSF Responders	0	GSE15323 antiGARP; ,
SRX86159 Steap3	1.656235	CT26_GSF Responders	0	GSE15323 antiGARP; ,
SRX86159 Steap3	1.716214	CT26_GSF Baseline	1	GSE15323 antiGARP; ,
SRX86159 Steap3	1.586819	CT26_GSF Baseline	1	GSE15323 antiGARP; ,
SRX86159 Steap3	1.630994	CT26_GSF Baseline	1	GSE15323 antiGARP; ,
SRX86159 Steap3	1.396364	CT26_GSF Baseline	1	GSE15323 antiGARP; ,
SRX86159 Steap3	1.540365	CT26_GSF Baseline	1	GSE15323 antiGARP; ,
SRX70643 Steap3	3.183052	CT26_GSF Responders	0	GSE13947 antiPD1
SRX70643 Steap3	3.071265	CT26_GSF Responders	0	GSE13947 antiPD1

SRX70643 Steap3	3.022549	CT26_GSE Responders	0	GSE13947 antiPD1
SRX70643 Steap3	2.833403	CT26_GSE Responders	0	GSE13947 antiPD1
SRX70643 Steap3	2.28353	CT26_GSE Responders	0	GSE13947 antiPD1
SRX70643 Steap3	2.637688	CT26_GSE Non-responders	0	GSE13947 antiPD1
SRX70643 Steap3	2.564042	CT26_GSE Non-responders	0	GSE13947 antiPD1
SRX70643 Steap3	2.410799	CT26_GSE Non-responders	0	GSE13947 antiPD1
SRX70643 Steap3	2.339969	CT26_GSE Non-responders	0	GSE13947 antiPD1
SRX70643 Steap3	2.284629	CT26_GSE Baseline	1	GSE13947 isotype
SRX70643 Steap3	2.198191	CT26_GSE Baseline	1	GSE13947 isotype
SRX70643 Steap3	2.151801	CT26_GSE Baseline	1	GSE13947 isotype
SRX70643 Steap3	2.098428	CT26_GSE Baseline	1	GSE13947 isotype
SRX70643 Steap3	2.037179	CT26_GSE Baseline	1	GSE13947 isotype
ERX32467 Steap3	3.991484	CT26_ERF Responders	0	ERP11426 antiPDL1; re
ERX32467 Steap3	3.834466	CT26_ERF Responders	0	ERP11426 antiPDL1; re
ERX32467 Steap3	3.812081	CT26_ERF Responders	0	ERP11426 antiPDL1; re
ERX32467 Steap3	3.198136	CT26_ERF Responders	0	ERP11426 antiPDL1; re
ERX32467 Steap3	3.156609	CT26_ERF Responders	0	ERP11426 antiPDL1; re
ERX32467 Steap3	3.409522	CT26_ERF Baseline	1	ERP11426 isotype
ERX32467 Steap3	3.245672	CT26_ERF Baseline	1	ERP11426 isotype
ERX32467 Steap3	3.204081	CT26_ERF Baseline	1	ERP11426 isotype
ERX32467 Steap3	3.248449	CT26_ERF Baseline	1	ERP11426 isotype
ERX32467 Steap3	3.375918	CT26_ERF Baseline	1	ERP11426 isotype
ERX32467 Steap3	3.725349	CT26_ERF Responders	0	ERP11426 antiPDL1; re
ERX32467 Steap3	3.332696	CT26_ERF Responders	0	ERP11426 antiPDL1; re
ERX32467 Steap3	3.206256	CT26_ERF Responders	0	ERP11426 antiPDL1; re
ERX32467 Steap3	3.179138	CT26_ERF Responders	0	ERP11426 antiPDL1; re
ERX32467 Steap3	3.151331	CT26_ERF Responders	0	ERP11426 antiPDL1; re
ERX32467 Steap3	2.381066	CT26_ERF Baseline	1	ERP11426 isotype
ERX32467 Steap3	3.277345	CT26_ERF Baseline	1	ERP11426 isotype
ERX32467 Steap3	3.655708	CT26_ERF Baseline	1	ERP11426 isotype
ERX32467 Steap3	3.459438	CT26_ERF Baseline	1	ERP11426 isotype
ERX32467 Steap3	2.891601	CT26_ERF Baseline	1	ERP11426 isotype
SRX81429 Steap3	3.597593	BNL-MEA Responders	0	GSE14894 antiPD1; re
SRX81429 Steap3	3.403755	BNL-MEA Responders	0	GSE14894 antiPD1; re
SRX81429 Steap3	2.7048	BNL-MEA Responders	0	GSE14894 antiPD1; re
SRX81429 Steap3	3.200046	BNL-MEA Baseline	1	GSE14894 regorafenib
SRX81429 Steap3	2.347366	BNL-MEA Baseline	1	GSE14894 regorafenib
SRX81429 Steap3	3.488914	BNL-MEA Baseline	1	GSE14894 regorafenib
SRX81429 Steap3	3.050803	BNL-MEA Non-responders	0	GSE14894 antiPD1
SRX81429 Steap3	3.040867	BNL-MEA Non-responders	0	GSE14894 antiPD1
SRX81429 Steap3	2.92201	BNL-MEA Non-responders	0	GSE14894 antiPD1
SRX81429 Steap3	3.302141	BNL-MEA Baseline	1	GSE14894 vehicle
SRX81429 Steap3	2.701016	BNL-MEA Baseline	1	GSE14894 vehicle
SRX81429 Steap3	3.063227	BNL-MEA Baseline	1	GSE14894 vehicle
SRX85925 Steap3	5.876774	B16_GSE1 Responders	0	GSE15292 antiPDL1; re
SRX85925 Steap3	5.726923	B16_GSE1 Responders	0	GSE15292 antiPDL1; re
SRX85925 Steap3	5.573266	B16_GSE1 Responders	0	GSE15292 antiPDL1; re
SRX85925 Steap3	4.836693	B16_GSE1 Baseline	1	GSE15292 swainsonin
SRX85925 Steap3	3.822166	B16_GSE1 Baseline	1	GSE15292 swainsonin
SRX85925 Steap3	5.252701	B16_GSE1 Baseline	1	GSE15292 swainsonin
SRX85925 Steap3	5.72779	B16_GSE1 Responders	0	GSE15292 antiPDL1
SRX85925 Steap3	5.668115	B16_GSE1 Responders	0	GSE15292 antiPDL1
SRX85925 Steap3	5.507834	B16_GSE1 Responders	0	GSE15292 antiPDL1
SRX85925 Steap3	5.617447	B16_GSE1 Baseline	1	GSE15292 isotype
SRX85925 Steap3	5.54777	B16_GSE1 Baseline	1	GSE15292 isotype
SRX85925 Steap3	5.415246	B16_GSE1 Baseline	1	GSE15292 isotype

SRX85925 Steap3	5.736206	B16_GSE1 Non-responders	0	GSE15292! antiPDL1
SRX85925 Steap3	5.504361	B16_GSE1 Non-responders	0	GSE15292! antiPDL1
SRX85925 Steap3	5.308846	B16_GSE1 Non-responders	0	GSE15292! antiPDL1
SRX85925 Steap3	5.181963	B16_GSE1 Non-responders	0	GSE15292! antiPDL1
SRX85925 Steap3	5.13491	B16_GSE1 Non-responders	0	GSE15292! antiPDL1
SRX85925 Steap3	5.121332	B16_GSE1 Non-responders	0	GSE15292! antiPDL1
SRX85925 Steap3	5.554686	B16_GSE1 Baseline	1	GSE15292! isotype; PE
SRX85925 Steap3	4.935094	B16_GSE1 Baseline	1	GSE15292! isotype; PE
SRX85925 Steap3	4.849756	B16_GSE1 Baseline	1	GSE15292! isotype; PE
SRX85925 Steap3	5.414583	B16_GSE1 Baseline	1	GSE15292! isotype
SRX85925 Steap3	5.751948	B16_GSE1 Baseline	1	GSE15292! isotype
SRX85925 Steap3	5.795571	B16_GSE1 Baseline	1	GSE15292! isotype
SRX84731 Steap3	4.258665	B16_GSE1 Responders	0	GSE15182! antiCTLA4
SRX84731 Steap3	4.188148	B16_GSE1 Responders	0	GSE15182! antiCTLA4
SRX84731 Steap3	3.949741	B16_GSE1 Responders	0	GSE15182! antiCTLA4
SRX84731 Steap3	3.844374	B16_GSE1 Responders	0	GSE15182! antiCTLA4
SRX84731 Steap3	3.652085	B16_GSE1 Responders	0	GSE15182! antiCTLA4
SRX84731 Steap3	3.591118	B16_GSE1 Responders	0	GSE15182! antiCTLA4
SRX84731 Steap3	3.697964	B16_GSE1 Baseline	1	GSE15182! isotype
SRX84731 Steap3	3.604751	B16_GSE1 Baseline	1	GSE15182! isotype
SRX84731 Steap3	3.625747	B16_GSE1 Baseline	1	GSE15182! isotype
SRX84731 Steap3	3.788102	B16_GSE1 Responders	0	GSE15182! antiCTLA4
SRX84731 Steap3	3.731469	B16_GSE1 Responders	0	GSE15182! antiCTLA4
SRX84731 Steap3	3.29809	B16_GSE1 Responders	0	GSE15182! antiCTLA4
SRX84731 Steap3	3.254419	B16_GSE1 Responders	0	GSE15182! antiCTLA4
SRX84731 Steap3	3.014324	B16_GSE1 Responders	0	GSE15182! antiCTLA4
SRX84731 Steap3	2.556238	B16_GSE1 Responders	0	GSE15182! antiCTLA4
SRX84731 Steap3	3.669649	B16_GSE1 Baseline	1	GSE15182! isotype
SRX84731 Steap3	3.710218	B16_GSE1 Baseline	1	GSE15182! isotype
SRX84731 Steap3	3.708629	B16_GSE1 Baseline	1	GSE15182! isotype
SRX84731 Steap3	3.76844	B16_GSE1 Baseline	1	GSE15182! isotype
SRX84731 Steap3	3.868207	B16_GSE1 Baseline	1	GSE15182! isotype
SRX83309 Steap3	3.228707	B16_GSE1 Responders	0	GSE15040 antiPD1
SRX83309 Steap3	3.07457	B16_GSE1 Responders	0	GSE15040 antiPD1
SRX83309 Steap3	2.980015	B16_GSE1 Responders	0	GSE15040 antiPD1
SRX83309 Steap3	2.866092	B16_GSE1 Responders	0	GSE15040 antiPD1
SRX83309 Steap3	2.925945	B16_GSE1 Baseline	1	GSE15040 isotype
SRX83309 Steap3	2.910763	B16_GSE1 Baseline	1	GSE15040 isotype
SRX83309 Steap3	3.123037	B16_GSE1 Baseline	1	GSE15040 isotype
SRX83309 Steap3	3.13491	B16_GSE1 Baseline	1	GSE15040 isotype
SRX83309 Steap3	3.331718	B16_GSE1 Non-responders	0	GSE15040 antiPD1
SRX83309 Steap3	3.229992	B16_GSE1 Non-responders	0	GSE15040 antiPD1
SRX83309 Steap3	3.193157	B16_GSE1 Non-responders	0	GSE15040 antiPD1
SRX83309 Steap3	3.083256	B16_GSE1 Non-responders	0	GSE15040 antiPD1
SRX83309 Steap3	3.243321	B16_GSE1 Baseline	1	GSE15040 isotype
SRX83309 Steap3	3.090441	B16_GSE1 Baseline	1	GSE15040 isotype
SRX83309 Steap3	3.094468	B16_GSE1 Baseline	1	GSE15040 isotype
SRX83309 Steap3	3.208089	B16_GSE1 Baseline	1	GSE15040 isotype
SRX82457 Steap3	5.421167	B16_GSE1 Responders	0	GSE14982! antiPD1; ar
SRX82457 Steap3	5.396261	B16_GSE1 Responders	0	GSE14982! antiPD1; ar
SRX82457 Steap3	5.313145	B16_GSE1 Responders	0	GSE14982! antiPD1; ar
SRX82457 Steap3	4.674857	B16_GSE1 Baseline	1	GSE14982! birinapant
SRX82457 Steap3	4.917083	B16_GSE1 Baseline	1	GSE14982! birinapant
SRX82457 Steap3	4.677796	B16_GSE1 Baseline	1	GSE14982! birinapant
SRX82457 Steap3	5.274782	B16_GSE1 Responders	0	GSE14982! antiPD1; ar
SRX82457 Steap3	5.249349	B16_GSE1 Responders	0	GSE14982! antiPD1; ar

SRX82457 Steap3	5.120807	B16_GSE1 Responders	0	GSE14982: antiPD1; ar
SRX82457 Steap3	4.350212	B16_GSE1 Baseline	1	GSE14982: vehicle
SRX82457 Steap3	4.848646	B16_GSE1 Baseline	1	GSE14982: vehicle
SRX82457 Steap3	4.525742	B16_GSE1 Baseline	1	GSE14982: vehicle
SRX35915 Steap3	4.369695	B16_GSE1 Non-responders	0	GSE10948: antiPD1; ar
SRX35915 Steap3	4.369246	B16_GSE1 Non-responders	0	GSE10948: antiPD1; ar
SRX35915 Steap3	4.253859	B16_GSE1 Non-responders	0	GSE10948: antiPD1; ar
SRX35915 Steap3	4.30154	B16_GSE1 Baseline	1	GSE10948: isotype; int
SRX35915 Steap3	4.385612	B16_GSE1 Baseline	1	GSE10948: isotype; int
SRX35915 Steap3	4.392669	B16_GSE1 Baseline	1	GSE10948: isotype; int
SRX35915 Steap3	4.484378	B16_GSE1 Responders	0	GSE10948: antiPD1; ar
SRX35915 Steap3	4.473133	B16_GSE1 Responders	0	GSE10948: antiPD1; ar
SRX35915 Steap3	4.104479	B16_GSE1 Responders	0	GSE10948: antiPD1; ar
SRX35915 Steap3	4.277261	B16_GSE1 Baseline	1	GSE10948: isotype; int
SRX35915 Steap3	4.327245	B16_GSE1 Baseline	1	GSE10948: isotype; int
SRX35915 Steap3	4.20151	B16_GSE1 Baseline	1	GSE10948: isotype; int
SRX68849 Steap3	2.443988	4T1_GSE1 Responders	0	GSE13781: antiPD1
SRX68849 Steap3	2.353012	4T1_GSE1 Responders	0	GSE13781: antiPD1
SRX68850 Steap3	2.322386	4T1_GSE1 Responders	0	GSE13781: antiPD1
SRX68849 Steap3	2.490219	4T1_GSE1 Baseline	1	GSE13781: no_treatme
SRX68849 Steap3	2.134276	4T1_GSE1 Baseline	1	GSE13781: no_treatme
SRX68849 Steap3	2.393198	4T1_GSE1 Baseline	1	GSE13781: no_treatme
SRX68849 Steap3	2.628165	4T1_GSE1 Baseline	1	GSE13781: no_treatme
SRX68849 Steap3	2.957282	4T1_GSE1 Baseline	1	GSE13781: no_treatme
SRX68850 Steap3	2.58175	4T1_GSE1 Non-responders	0	GSE13781: antiPD1
SRX68850 Steap3	2.546255	4T1_GSE1 Non-responders	0	GSE13781: antiPD1
SRX68850 Steap3	2.521967	4T1_GSE1 Non-responders	0	GSE13781: antiPD1
SRX68850 Steap3	2.41049	4T1_GSE1 Non-responders	0	GSE13781: antiPD1
SRX68850 Steap3	2.228095	4T1_GSE1 Non-responders	0	GSE13781: antiPD1
SRX68849 Steap3	2.661975	4T1_GSE1 Baseline	1	GSE13781: no_treatme
SRX68849 Steap3	2.464447	4T1_GSE1 Baseline	1	GSE13781: no_treatme
SRX68849 Steap3	2.494907	4T1_GSE1 Baseline	1	GSE13781: no_treatme
SRX68849 Steap3	2.527221	4T1_GSE1 Baseline	1	GSE13781: no_treatme
SRX68849 Steap3	2.683221	4T1_GSE1 Baseline	1	GSE13781: no_treatme
SRX60958 Steap3	3.789767	4T1_GSE1 Non-responders	0	GSE13252: antiPD1
SRX60958 Steap3	3.326315	4T1_GSE1 Non-responders	0	GSE13252: antiPD1
SRX60958 Steap3	2.879484	4T1_GSE1 Non-responders	0	GSE13252: antiPD1
SRX60958 Steap3	2.252407	4T1_GSE1 Baseline	1	GSE13252: vehicle
SRX60958 Steap3	3.788621	4T1_GSE1 Baseline	1	GSE13252: vehicle
SRX60958 Steap3	3.326671	4T1_GSE1 Baseline	1	GSE13252: vehicle
SRX57684 Steap3	4.741255	4T1_GSE1 Responders	0	GSE13047: antiPDL1; ;
SRX57684 Steap3	4.636155	4T1_GSE1 Responders	0	GSE13047: antiPDL1; ;
SRX57684 Steap3	4.131594	4T1_GSE1 Responders	0	GSE13047: antiPDL1; ;
SRX57685 Steap3	3.929939	4T1_GSE1 Responders	0	GSE13047: antiPDL1; ;
SRX57685 Steap3	3.901444	4T1_GSE1 Responders	0	GSE13047: antiPDL1; ;
SRX57685 Steap3	3.732258	4T1_GSE1 Responders	0	GSE13047: antiPDL1; ;
SRX57685 Steap3	3.607783	4T1_GSE1 Responders	0	GSE13047: antiPDL1; ;
SRX57684 Steap3	3.559357	4T1_GSE1 Responders	0	GSE13047: antiPDL1; ;
SRX57684 Steap3	3.382074	4T1_GSE1 Responders	0	GSE13047: antiPDL1; ;
SRX57684 Steap3	3.171524	4T1_GSE1 Responders	0	GSE13047: antiPDL1; ;
SRX57684 Steap3	3.544657	4T1_GSE1 Baseline	1	GSE13047: isotype; yo
SRX57684 Steap3	3.029782	4T1_GSE1 Baseline	1	GSE13047: isotype; yo
SRX57684 Steap3	4.022071	4T1_GSE1 Baseline	1	GSE13047: isotype; yo
SRX57684 Steap3	3.689371	4T1_GSE1 Baseline	1	GSE13047: isotype; yo
SRX57684 Steap3	4.058482	4T1_GSE1 Baseline	1	GSE13047: isotype; yo
SRX57684 Steap3	3.580396	4T1_GSE1 Baseline	1	GSE13047: isotype; yo

SRX57684 Steap3	3.684891	4T1_GSE1 Baseline	1	GSE13047: isotype; yo
SRX57684 Steap3	4.499709	4T1_GSE1 Responders	0	GSE13047: antiCTLA4
SRX57684 Steap3	4.371271	4T1_GSE1 Responders	0	GSE13047: antiCTLA4
SRX57684 Steap3	3.96301	4T1_GSE1 Responders	0	GSE13047: antiCTLA4
SRX57684 Steap3	3.724519	4T1_GSE1 Responders	0	GSE13047: antiCTLA4
SRX57684 Steap3	3.704093	4T1_GSE1 Responders	0	GSE13047: antiCTLA4
SRX57684 Steap3	3.645622	4T1_GSE1 Responders	0	GSE13047: antiCTLA4
SRX57684 Steap3	3.576167	4T1_GSE1 Responders	0	GSE13047: antiCTLA4
SRX57684 Steap3	3.498388	4T1_GSE1 Responders	0	GSE13047: antiCTLA4
SRX57684 Steap3	3.477743	4T1_GSE1 Responders	0	GSE13047: antiCTLA4
SRX57684 Steap3	3.463598	4T1_GSE1 Responders	0	GSE13047: antiCTLA4
SRX57684 Steap3	3.438772	4T1_GSE1 Responders	0	GSE13047: antiCTLA4
SRX57684 Steap3	3.396503	4T1_GSE1 Responders	0	GSE13047: antiCTLA4
SRX57684 Steap3	3.544657	4T1_GSE1 Baseline	1	GSE13047: isotype; yo
SRX57684 Steap3	3.029782	4T1_GSE1 Baseline	1	GSE13047: isotype; yo
SRX57684 Steap3	4.022071	4T1_GSE1 Baseline	1	GSE13047: isotype; yo
SRX57684 Steap3	3.689371	4T1_GSE1 Baseline	1	GSE13047: isotype; yo
SRX57684 Steap3	4.058482	4T1_GSE1 Baseline	1	GSE13047: isotype; yo
SRX57684 Steap3	3.580396	4T1_GSE1 Baseline	1	GSE13047: isotype; yo
SRX57684 Steap3	3.684891	4T1_GSE1 Baseline	1	GSE13047: isotype; yo
SRX57684 Steap3	3.647544	4T1_GSE1 Non-responders	0	GSE13047: antiPDL1; i
SRX57684 Steap3	3.391114	4T1_GSE1 Non-responders	0	GSE13047: antiPDL1; i
SRX57684 Steap3	3.387537	4T1_GSE1 Non-responders	0	GSE13047: antiPDL1; i
SRX57684 Steap3	3.246692	4T1_GSE1 Non-responders	0	GSE13047: antiPDL1; i
SRX57684 Steap3	3.202232	4T1_GSE1 Non-responders	0	GSE13047: antiPDL1; i
SRX57684 Steap3	3.130538	4T1_GSE1 Non-responders	0	GSE13047: antiPDL1; i
SRX57684 Steap3	2.956369	4T1_GSE1 Non-responders	0	GSE13047: antiPDL1; i
SRX57684 Steap3	2.882748	4T1_GSE1 Non-responders	0	GSE13047: antiPDL1; i
SRX57684 Steap3	3.137063	4T1_GSE1 Baseline	1	GSE13047: isotype; olc
SRX57684 Steap3	2.864528	4T1_GSE1 Baseline	1	GSE13047: isotype; olc
SRX57684 Steap3	2.647454	4T1_GSE1 Baseline	1	GSE13047: isotype; olc
SRX57684 Steap3	3.591973	4T1_GSE1 Baseline	1	GSE13047: isotype; olc
SRX57684 Steap3	3.375153	4T1_GSE1 Baseline	1	GSE13047: isotype; olc
SRX57684 Steap3	3.100118	4T1_GSE1 Baseline	1	GSE13047: isotype; olc
SRX57684 Steap3	3.107846	4T1_GSE1 Baseline	1	GSE13047: isotype; olc
SRX57684 Steap3	3.578444	4T1_GSE1 Non-responders	0	GSE13047: antiCTLA4
SRX57684 Steap3	3.498024	4T1_GSE1 Non-responders	0	GSE13047: antiCTLA4
SRX57684 Steap3	3.486768	4T1_GSE1 Non-responders	0	GSE13047: antiCTLA4
SRX57684 Steap3	3.480663	4T1_GSE1 Non-responders	0	GSE13047: antiCTLA4
SRX57684 Steap3	3.430267	4T1_GSE1 Non-responders	0	GSE13047: antiCTLA4
SRX57684 Steap3	3.396062	4T1_GSE1 Non-responders	0	GSE13047: antiCTLA4
SRX57684 Steap3	3.291704	4T1_GSE1 Non-responders	0	GSE13047: antiCTLA4
SRX57684 Steap3	3.24466	4T1_GSE1 Non-responders	0	GSE13047: antiCTLA4
SRX57684 Steap3	3.137063	4T1_GSE1 Baseline	1	GSE13047: isotype; olc
SRX57684 Steap3	2.864528	4T1_GSE1 Baseline	1	GSE13047: isotype; olc
SRX57684 Steap3	2.647454	4T1_GSE1 Baseline	1	GSE13047: isotype; olc
SRX57684 Steap3	3.591973	4T1_GSE1 Baseline	1	GSE13047: isotype; olc
SRX57684 Steap3	3.375153	4T1_GSE1 Baseline	1	GSE13047: isotype; olc
SRX57684 Steap3	3.100118	4T1_GSE1 Baseline	1	GSE13047: isotype; olc
SRX57684 Steap3	3.107846	4T1_GSE1 Baseline	1	GSE13047: isotype; olc
SRX81323 Steap3	5.161876	402230_G ϵ Responders	0	GSE14885: antiPD1; ra
SRX81323 Steap3	5.126759	402230_G ϵ Responders	0	GSE14885: antiPD1; ra
SRX81323 Steap3	4.396133	402230_G ϵ Responders	0	GSE14885: antiPD1; ra
SRX81323 Steap3	3.799901	402230_G ϵ Responders	0	GSE14885: antiPD1; ra
SRX81323 Steap3	4.432369	402230_G ϵ Baseline	1	GSE14885: isotype; rac
SRX81323 Steap3	5.409926	402230_G ϵ Baseline	1	GSE14885: isotype; rac

SRX81323 Steap3	5.011633	402230_G: Baseline	1	GSE14885: isotype; rac
SRX81323 Steap3	5.39912	402230_G: Baseline	1	GSE14885: isotype; rac
SRX81323 Steap3	6.079463	402230_G: Non-responders	0	GSE14885: antiPD1
SRX81323 Steap3	5.301182	402230_G: Non-responders	0	GSE14885: antiPD1
SRX81323 Steap3	5.264114	402230_G: Non-responders	0	GSE14885: antiPD1
SRX81323 Steap3	4.574638	402230_G: Non-responders	0	GSE14885: antiPD1
SRX81323 Steap3	5.320881	402230_G: Baseline	1	GSE14885: isotype
SRX81323 Steap3	5.082939	402230_G: Baseline	1	GSE14885: isotype
SRX81323 Steap3	5.417937	402230_G: Baseline	1	GSE14885: isotype
SRX81323 Steap3	4.475705	402230_G: Baseline	1	GSE14885: isotype

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0.84862	NA	NA	2	8
0.84862	NA	NA	2	8
0.84862	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8
0.214955	NA	NA	2	9
0.214955	NA	NA	2	9
0.214955	NA	NA	2	9
0.214955	NA	NA	2	9

0.214955	NA	NA	2	9
NA	NA	NA	2	9
NA	NA	NA	2	9
NA	NA	NA	2	9
NA	NA	NA	2	9
0.010462	*	NA	2	8
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0.010462	NA	NA	2	8
0.010462	NA	NA	2	8
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NA	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8
0.282749	NA	NA	2	7
0.282749	NA	NA	2	7
0.282749	NA	NA	2	7
NA	NA	NA	2	7
NA	NA	NA	2	7
NA	NA	NA	2	7
NA	NA	NA	2	7
0.0643	NA	NA	2	10
0.0643	NA	NA	2	10
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0.0643	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
0.973055	NA	NA	2	8
0.973055	NA	NA	2	8
0.973055	NA	NA	2	8
0.973055	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8
0.443437	NA	NA	2	8
0.443437	NA	NA	2	8
0.443437	NA	NA	2	8
0.443437	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8
0.999301	NA	NA	2	8
0.999301	NA	NA	2	8
0.999301	NA	NA	2	8
0.999301	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8
0.000398	***	NA	2	8
0.000398	NA	NA	2	8

[illegible]

[illegible]

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NA	NA	NA	2	16
NA	NA	NA	2	16
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0.989498	NA	NA	2	10
0.989498	NA	NA	2	10
0.989498	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
0.498982	NA	NA	2	10
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0.498982	NA	NA	2	10
0.498982	NA	NA	2	10
0.498982	NA	NA	2	10
0.498982	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
0.721709	NA	NA	2	6
0.721709	NA	NA	2	6
0.721709	NA	NA	2	6
NA	NA	NA	2	6
NA	NA	NA	2	6
NA	NA	NA	2	6
0.99991	NA	NA	2	9
0.99991	NA	NA	2	9
0.99991	NA	NA	2	9
NA	NA	NA	2	9
NA	NA	NA	2	9
NA	NA	NA	2	9
NA	NA	NA	2	9
NA	NA	NA	2	9
NA	NA	NA	2	9
0.999861	NA	NA	2	8
0.999861	NA	NA	2	8
0.999861	NA	NA	2	8
0.999861	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8
0.293207	NA	NA	2	10
0.293207	NA	NA	2	10
0.293207	NA	NA	2	10
0.293207	NA	NA	2	10
0.293207	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10

[illegible]

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0.389163	NA	NA	2	6
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NA	NA	NA	2	10
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NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
0.999954	NA	NA	2	10
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0.999954	NA	NA	2	10
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NA	NA	NA	2	10
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0.234591	NA	NA	2	10
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0.234591	NA	NA	2	10
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0.234591	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
0.001448	**	NA	2	10
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0.001448	NA	NA	2	10
0.001448	NA	NA	2	10
0.001448	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
1.72E-06	***	NA	2	14
1.72E-06	NA	NA	2	14

1.72E-06	NA	NA	2	14
1.72E-06	NA	NA	2	14
1.72E-06	NA	NA	2	14
0.810334	NA	NA	2	14
0.810334	NA	NA	2	14
0.810334	NA	NA	2	14
0.810334	NA	NA	2	14
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NA	NA	NA	2	14
NA	NA	NA	2	14
NA	NA	NA	2	14
0.276035	NA	NA	2	10
0.276035	NA	NA	2	10
0.276035	NA	NA	2	10
0.276035	NA	NA	2	10
0.276035	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
0.808226	NA	NA	2	10
0.808226	NA	NA	2	10
0.808226	NA	NA	2	10
0.808226	NA	NA	2	10
0.808226	NA	NA	2	10
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NA	NA	NA	2	10
NA	NA	NA	2	10
NA	NA	NA	2	10
0.997254	NA	NA	2	6
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0.997254	NA	NA	2	6
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0.931209	NA	NA	2	6
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0.064054	NA	NA	2	6
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0.064054	NA	NA	2	6
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0.912087	NA	NA	2	6
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0.912087	NA	NA	2	6
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NA	NA	NA	2	6
NA	NA	NA	2	6

0.998435	NA	NA	2	12
0.998435	NA	NA	2	12
0.998435	NA	NA	2	12
0.998435	NA	NA	2	12
0.998435	NA	NA	2	12
0.998435	NA	NA	2	12
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NA	NA	NA	2	12
NA	NA	NA	2	12
0.782544	NA	NA	2	9
0.782544	NA	NA	2	9
0.782544	NA	NA	2	9
0.782544	NA	NA	2	9
0.782544	NA	NA	2	9
0.782544	NA	NA	2	9
NA	NA	NA	2	9
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NA	NA	NA	2	9
0.165146	NA	NA	2	11
0.165146	NA	NA	2	11
0.165146	NA	NA	2	11
0.165146	NA	NA	2	11
0.165146	NA	NA	2	11
0.165146	NA	NA	2	11
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NA	NA	NA	2	11
NA	NA	NA	2	11
NA	NA	NA	2	11
NA	NA	NA	2	11
0.709851	NA	NA	2	8
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0.987188	NA	NA	2	8
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0.987188	NA	NA	2	8
0.987188	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8
0.008794	**	NA	2	6
0.008794	NA	NA	2	6
0.008794	NA	NA	2	6
NA	NA	NA	2	6
NA	NA	NA	2	6
NA	NA	NA	2	6
0.00601	**	NA	2	6
0.00601	NA	NA	2	6

[illegible]

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0.771383	NA	NA	3	19
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0.771383	NA	NA	3	19
0.771383	NA	NA	3	19
0.771383	NA	NA	3	19
0.771383	NA	NA	3	19
0.771383	NA	NA	3	19
0.771383	NA	NA	3	19
0.771383	NA	NA	3	19
0.771383	NA	NA	3	19
0.771383	NA	NA	3	19
NA	NA	NA	3	19
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NA	NA	NA	3	19
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NA	NA	NA	3	19
0.415661	NA	NA	3	15
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NA	NA	NA	3	15
NA	NA	NA	3	15
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NA	NA	NA	3	15
0.074617	NA	NA	3	15
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0.074617	NA	NA	3	15
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0.074617	NA	NA	3	15
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0.834903	NA	NA	2	8
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0.834903	NA	NA	2	8
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NA	NA	NA	2	8

NA	NA	NA	2	8
NA	NA	NA	2	8
0.999497	NA	NA	2	8
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0.999497	NA	NA	2	8
0.999497	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8
NA	NA	NA	2	8

Table5. The relationships between STEAP3 expression and common c

symbol	drug	cor	fdr	entrez	Database
STEAP3	I-BET-762	0.243799	4.45E-13	55240	GDSC
STEAP3	NPK76-II	0.243103	4.91E-13	55240	GDSC
STEAP3	Vorinostat	0.241424	7.76E-12	55240	GDSC
STEAP3	17-AAG	-0.2357	3.27E-11	55240	GDSC
STEAP3	Tubastatin	0.220679	1.07E-10	55240	GDSC
STEAP3	KIN001-1	0.209266	9.25E-10	55240	GDSC
STEAP3	BX-912	0.206602	1.42E-09	55240	GDSC
STEAP3	PHA-7938	0.205774	1.46E-09	55240	GDSC
STEAP3	Docetaxel	-0.21754	1.65E-09	55240	GDSC
STEAP3	THZ-2-10	0.20742	2.1E-09	55240	GDSC
STEAP3	AR-42	0.206376	2.14E-09	55240	GDSC
STEAP3	CHIR-990	-0.20654	3.04E-09	55240	GDSC
STEAP3	GSK10701	0.206231	3.17E-09	55240	GDSC
STEAP3	CUDC-10	0.206078	3.71E-09	55240	GDSC
STEAP3	BMS3455	0.198986	7.64E-09	55240	GDSC
STEAP3	AT-7519	0.196883	1.03E-08	55240	GDSC
STEAP3	TPCA-1	0.195568	1.06E-08	55240	GDSC
STEAP3	WZ3105	0.192735	1.99E-08	55240	GDSC
STEAP3	MPS-1-IN	0.192339	5.57E-08	55240	GDSC
STEAP3	Methotrex	0.193262	6.08E-08	55240	GDSC
STEAP3	PIK-93	0.185012	6.7E-08	55240	GDSC
STEAP3	Ispinesib	0.18359	1.36E-07	55240	GDSC
STEAP3	XMD13-2	0.1806	1.76E-07	55240	GDSC
STEAP3	FK866	0.181337	2.04E-07	55240	GDSC
STEAP3	NG-25	0.178247	2.58E-07	55240	GDSC
STEAP3	TAK-715	0.179407	2.65E-07	55240	GDSC
STEAP3	ZSTK474	0.17736	3.74E-07	55240	GDSC
STEAP3	TGX221	-0.28391	4.25E-07	55240	GDSC
STEAP3	TL-1-85	0.173913	5.46E-07	55240	GDSC
STEAP3	BHG712	0.171439	8.38E-07	55240	GDSC
STEAP3	UNC0638	0.165946	1.04E-06	55240	GDSC
STEAP3	CP466722	0.168557	1.15E-06	55240	GDSC
STEAP3	Belinostat	0.172478	1.26E-06	55240	GDSC
STEAP3	CAY1060	0.168081	1.31E-06	55240	GDSC
STEAP3	YM20163	0.168855	1.5E-06	55240	GDSC
STEAP3	Navitoclax	0.171411	1.93E-06	55240	GDSC
STEAP3	TL-2-105	0.166876	2.44E-06	55240	GDSC
STEAP3	5-Fluorou	0.158174	7.17E-06	55240	GDSC
STEAP3	Bleomycin	-0.15742	7.45E-06	55240	GDSC
STEAP3	LAQ824	0.164282	8.85E-06	55240	GDSC
STEAP3	PI-103	0.153218	1.29E-05	55240	GDSC
STEAP3	AS605240	0.164098	1.4E-05	55240	GDSC
STEAP3	CX-5461	0.152544	1.56E-05	55240	GDSC
STEAP3	SNX-2112	0.147826	2.72E-05	55240	GDSC
STEAP3	OSI-027	0.147557	2.75E-05	55240	GDSC
STEAP3	RO-3306	-0.16371	3.33E-05	55240	GDSC
STEAP3	Genentech	0.144296	4.44E-05	55240	GDSC
STEAP3	XMD14-9	0.141595	8.98E-05	55240	GDSC
STEAP3	QL-XI-92	0.137957	9.05E-05	55240	GDSC
STEAP3	TG101348	0.134508	0.000122	55240	GDSC
STEAP3	SB 216763	-0.16918	0.000136	55240	GDSC

STEAP3	KIN001-2	0.134632	0.000158	55240	GDSC
STEAP3	QL-XII-47	0.139286	0.000182	55240	GDSC
STEAP3	JW-7-24-10	0.130426	0.000201	55240	GDSC
STEAP3	GSK6906	0.132248	0.000207	55240	GDSC
STEAP3	AZD6482	-0.14205	0.000228	55240	GDSC
STEAP3	PAC-1	0.140386	0.000281	55240	GDSC
STEAP3	GSK2126	0.130844	0.000285	55240	GDSC
STEAP3	QL-X-138	0.12849	0.000318	55240	GDSC
STEAP3	CCT0070	-0.14252	0.000327	55240	GDSC
STEAP3	KIN001-2	0.126433	0.000367	55240	GDSC
STEAP3	BIX02189	0.125348	0.000427	55240	GDSC
STEAP3	Phenformi	0.126307	0.000471	55240	GDSC
STEAP3	Midostaur	-0.1356	0.000692	55240	GDSC
STEAP3	IPA-3	0.127635	0.000692	55240	GDSC
STEAP3	LFM-A13	-0.14767	0.000769	55240	GDSC
STEAP3	KIN001-2	0.120168	0.000842	55240	GDSC
STEAP3	CAL-101	0.119693	0.000972	55240	GDSC
STEAP3	Masitinib	0.118423	0.001116	55240	GDSC
STEAP3	AZD8055	0.116186	0.002396	55240	GDSC
STEAP3	Obatoclax	0.123117	0.002837	55240	GDSC
STEAP3	Lapatinib	-0.17526	0.003061	55240	GDSC
STEAP3	OSI-930	0.109099	0.003399	55240	GDSC
STEAP3	Trametinil	-0.10572	0.003744	55240	GDSC
STEAP3	NSC-2078	0.114883	0.004065	55240	GDSC
STEAP3	XAV939	-0.10808	0.004192	55240	GDSC
STEAP3	BMS-708	-0.10909	0.004724	55240	GDSC
STEAP3	Foretinib	0.105543	0.005631	55240	GDSC
STEAP3	FTI-277	-0.10824	0.006307	55240	GDSC
STEAP3	T0901317	0.103923	0.007148	55240	GDSC
STEAP3	EKB-569	0.099879	0.008971	55240	GDSC
STEAP3	AP-24534	0.101582	0.009279	55240	GDSC
STEAP3	JNK Inhib	-0.10395	0.010344	55240	GDSC
STEAP3	AZD7762	0.098974	0.011175	55240	GDSC
STEAP3	KIN001-2	0.106197	0.013549	55240	GDSC
STEAP3	Mitomycin	0.10686	0.015532	55240	GDSC
STEAP3	DMOG	0.098016	0.017204	55240	GDSC
STEAP3	LY317615	0.094884	0.019489	55240	GDSC
STEAP3	JNJ-26854	-0.10258	0.019927	55240	GDSC
STEAP3	AKT inhib	-0.09724	0.020937	55240	GDSC
STEAP3	Afatinib	-0.08356	0.02252	55240	GDSC
STEAP3	KIN001-2	0.087033	0.022919	55240	GDSC
STEAP3	WH-4-025	-0.15201	0.023667	55240	GDSC
STEAP3	SGC0946	-0.10133	0.023708	55240	GDSC
STEAP3	Y-39983	0.083498	0.024267	55240	GDSC
STEAP3	Dasatinib	-0.13533	0.030999	55240	GDSC
STEAP3	PFI-1	0.092956	0.031611	55240	GDSC
STEAP3	BAY 61-30	0.08458	0.033731	55240	GDSC
STEAP3	Bicalutam	-0.08827	0.03458	55240	GDSC
STEAP3	Cetuximal	-0.08291	0.036899	55240	GDSC
STEAP3	CCT01815	-0.0935	0.040248	55240	GDSC
STEAP3	MLN4924	-0.10424	0.041004	55240	GDSC
STEAP3	Gefitinib	-0.0808	0.046499	55240	GDSC
STEAP3	JQ1	0.08021	0.049054	55240	GDSC

STEAP3	OSU-03010	0.087582	0.050147	55240	GDSC
STEAP3	BEZ235	-0.08598	0.052923	55240	GDSC
STEAP3	Pazopanib	-0.09275	0.053174	55240	GDSC
STEAP3	THZ-2-49	0.067297	0.070528	55240	GDSC
STEAP3	RDEA119	-0.06674	0.07239	55240	GDSC
STEAP3	Etoposide	0.078603	0.072791	55240	GDSC
STEAP3	GSK42921	0.072104	0.073177	55240	GDSC
STEAP3	Vinorelbir	0.08613	0.075397	55240	GDSC
STEAP3	BIRB 0791	-0.08342	0.079609	55240	GDSC
STEAP3	681640	-0.09653	0.080564	55240	GDSC
STEAP3	AS601245	-0.08324	0.082349	55240	GDSC
STEAP3	piperlongu	-0.07164	0.0855	55240	GDSC
STEAP3	CEP-701	0.069025	0.088398	55240	GDSC
STEAP3	ZM-44743	0.074966	0.088816	55240	GDSC
STEAP3	Cisplatin	-0.07822	0.09018	55240	GDSC
STEAP3	GSK19041	-0.07407	0.092363	55240	GDSC
STEAP3	YM155	0.078034	0.092716	55240	GDSC
STEAP3	UNC1215	-0.07587	0.102876	55240	GDSC
STEAP3	JQ12	0.079065	0.110783	55240	GDSC
STEAP3	Bortezomi	-0.11073	0.116904	55240	GDSC
STEAP3	VNLG/12	0.063244	0.120586	55240	GDSC
STEAP3	WZ-1-84	-0.11123	0.121449	55240	GDSC
STEAP3	SB52334	0.067602	0.123666	55240	GDSC
STEAP3	PD-03259	-0.06096	0.132839	55240	GDSC
STEAP3	GSK26991	-0.0693	0.134204	55240	GDSC
STEAP3	FR-18020	0.06866	0.149935	55240	GDSC
STEAP3	ATRA	0.0662	0.155342	55240	GDSC
STEAP3	S-Trityl-L	0.104953	0.160457	55240	GDSC
STEAP3	SL 0101-1	-0.10273	0.168612	55240	GDSC
STEAP3	AG-01469	-0.05758	0.173887	55240	GDSC
STEAP3	QL-XII-610	0.084539	0.178905	55240	GDSC
STEAP3	MP470	0.057071	0.185022	55240	GDSC
STEAP3	MS-275	0.099335	0.18794	55240	GDSC
STEAP3	VX-11e	0.059833	0.19105	55240	GDSC
STEAP3	MG-132	-0.09775	0.217883	55240	GDSC
STEAP3	GW84368	0.097962	0.22615	55240	GDSC
STEAP3	Axitinib	0.057897	0.250552	55240	GDSC
STEAP3	Veliparib	-0.07181	0.254624	55240	GDSC
STEAP3	XMD15-2	0.052897	0.254884	55240	GDSC
STEAP3	PF-562271	-0.05815	0.279678	55240	GDSC
STEAP3	PLX4720	0.045303	0.283127	55240	GDSC
STEAP3	CGP-6047	-0.08263	0.307215	55240	GDSC
STEAP3	STF-6224	0.042379	0.310389	55240	GDSC
STEAP3	IOX2	-0.05561	0.316654	55240	GDSC
STEAP3	Bryostatin	-0.05056	0.326232	55240	GDSC
STEAP3	VX-680	0.0862	0.329113	55240	GDSC
STEAP3	Nilotinib	0.049142	0.337263	55240	GDSC
STEAP3	Sunitinib	0.07146	0.338685	55240	GDSC
STEAP3	AC220	0.045764	0.339008	55240	GDSC
STEAP3	rTRAIL	-0.06339	0.344243	55240	GDSC
STEAP3	AMG-706	-0.05404	0.34671	55240	GDSC
STEAP3	QS11	0.055884	0.347018	55240	GDSC
STEAP3	Saracatinil	-0.07591	0.354764	55240	GDSC

STEAP3	XL-184	0.043713	0.359338	55240	GDSC
STEAP3	Embelin	0.051867	0.360101	55240	GDSC
STEAP3	Zibotentar	-0.08994	0.36412	55240	GDSC
STEAP3	FMK	0.057327	0.36993	55240	GDSC
STEAP3	selumetini	-0.03547	0.370082	55240	GDSC
STEAP3	AICAR	0.035853	0.395983	55240	GDSC
STEAP3	Erlotinib	-0.06094	0.413429	55240	GDSC
STEAP3	JNK-9L	0.04425	0.436918	55240	GDSC
STEAP3	XMD8-92	0.074494	0.44984	55240	GDSC
STEAP3	SB590885	0.037317	0.471778	55240	GDSC
STEAP3	Dabrafenil	0.032169	0.48742	55240	GDSC
STEAP3	Roscovitir	-0.09937	0.488689	55240	GDSC
STEAP3	CI-1040	-0.03249	0.492199	55240	GDSC
STEAP3	Cyclopam	-0.06911	0.502714	55240	GDSC
STEAP3	Linifanib	0.035706	0.512671	55240	GDSC
STEAP3	Tipifarnib	0.042433	0.523268	55240	GDSC
STEAP3	XMD8-85	-0.05456	0.524132	55240	GDSC
STEAP3	Thapsigargin	0.041556	0.526409	55240	GDSC
STEAP3	AZ628	0.050336	0.532913	55240	GDSC
STEAP3	BI-2536	0.063864	0.533409	55240	GDSC
STEAP3	CH542486	0.038026	0.533628	55240	GDSC
STEAP3	Bexaroten	-0.04452	0.537552	55240	GDSC
STEAP3	HG-5-113	0.045311	0.5487	55240	GDSC
STEAP3	Pyrimetha	0.068098	0.550044	55240	GDSC
STEAP3	Elesclomo	-0.02829	0.559217	55240	GDSC
STEAP3	Doxorubic	0.038283	0.563732	55240	GDSC
STEAP3	Shikonin	0.030565	0.59601	55240	GDSC
STEAP3	Epothilone	-0.02907	0.599197	55240	GDSC
STEAP3	ZG-10	0.03802	0.600269	55240	GDSC
STEAP3	Rapamycin	-0.06106	0.606149	55240	GDSC
STEAP3	MK-2206	0.028871	0.609775	55240	GDSC
STEAP3	Olaparib	-0.02384	0.617555	55240	GDSC
STEAP3	Ruxolitinib	0.028213	0.621019	55240	GDSC
STEAP3	EHT 1864	-0.03442	0.626607	55240	GDSC
STEAP3	PF-470867	-0.04469	0.63846	55240	GDSC
STEAP3	BMS-5369	0.033993	0.645887	55240	GDSC
STEAP3	Vinblastin	0.022349	0.655359	55240	GDSC
STEAP3	KIN001-1	-0.04865	0.6567	55240	GDSC
STEAP3	YK 4-279	0.024789	0.686362	55240	GDSC
STEAP3	TAE684	-0.04727	0.692745	55240	GDSC
STEAP3	(5Z)-7-Ox	0.018509	0.700672	55240	GDSC
STEAP3	JW-7-52-1	-0.0422	0.700741	55240	GDSC
STEAP3	Z-LLNle-C	-0.03222	0.703429	55240	GDSC
STEAP3	Temsirolin	-0.02047	0.721973	55240	GDSC
STEAP3	Gemcitabine	-0.0196	0.729915	55240	GDSC
STEAP3	QL-VIII-5	-0.03053	0.731521	55240	GDSC
STEAP3	FH535	0.019463	0.733065	55240	GDSC
STEAP3	KIN001-0	0.024919	0.735528	55240	GDSC
STEAP3	Camptothecin	0.017361	0.738521	55240	GDSC
STEAP3	CP724714	-0.02103	0.743683	55240	GDSC
STEAP3	NU-7441	-0.02613	0.753091	55240	GDSC
STEAP3	Lisitinib	0.022543	0.764231	55240	GDSC
STEAP3	PD-03329	-0.01938	0.771723	55240	GDSC

STEAP3	A-770041	-0.02733	0.775912	55240	GDSC
STEAP3	NSC-8787	-0.01794	0.787181	55240	GDSC
STEAP3	CMK	0.034871	0.794672	55240	GDSC
STEAP3	Sorafenib	0.032988	0.79668	55240	GDSC
STEAP3	Salubrinal	-0.02556	0.800024	55240	GDSC
STEAP3	Parthenoli	0.029241	0.81087	55240	GDSC
STEAP3	Tamoxifer	0.027828	0.83198	55240	GDSC
STEAP3	GDC0449	-0.02459	0.832413	55240	GDSC
STEAP3	Lenalidom	-0.01964	0.834747	55240	GDSC
STEAP3	XMD11-8	0.034767	0.8545	55240	GDSC
STEAP3	Imatinib	0.031632	0.85735	55240	GDSC
STEAP3	PHA-6657	-0.02845	0.864461	55240	GDSC
STEAP3	BMS-5097	-0.01874	0.865883	55240	GDSC
STEAP3	AUY922	0.010885	0.874359	55240	GDSC
STEAP3	GDC0941	-0.01117	0.876088	55240	GDSC
STEAP3	Nutlin-3a	-0.00942	0.876948	55240	GDSC
STEAP3	SN-38	0.007465	0.894031	55240	GDSC
STEAP3	SB 50512	-0.01214	0.908044	55240	GDSC
STEAP3	GNF-2	-0.03102	0.912429	55240	GDSC
STEAP3	KU-55933	0.00919	0.913766	55240	GDSC
STEAP3	EX-527	-0.01359	0.918895	55240	GDSC
STEAP3	Crizotinib	-0.01882	0.923041	55240	GDSC
STEAP3	GSK-6503	0.009636	0.927051	55240	GDSC
STEAP3	Tivozanib	0.006932	0.92883	55240	GDSC
STEAP3	BX-795	0.005375	0.931289	55240	GDSC
STEAP3	HG-6-64	-0.004623	0.941969	55240	GDSC
STEAP3	Bosutinib	0.005312	0.942203	55240	GDSC
STEAP3	Bleomycin	-0.00502	0.947527	55240	GDSC
STEAP3	HG-5-88	-0.012481	0.956241	55240	GDSC
STEAP3	Paclitaxel	-0.00909	0.956355	55240	GDSC
STEAP3	BMS-7548	-0.00358	0.961373	55240	GDSC
STEAP3	A-443654	-0.01206	0.96493	55240	GDSC
STEAP3	Temozolomide	0.004365	0.967007	55240	GDSC
STEAP3	GW-2580	-0.02052	0.967411	55240	GDSC
STEAP3	Talazoparide	0.002006	0.972073	55240	GDSC
STEAP3	Cytarabine	-0.0022	0.976109	55240	GDSC
STEAP3	CGP-0829	0.003598	0.98053	55240	GDSC
STEAP3	GW 441755	0.009217	0.982163	55240	GDSC
STEAP3	PD-17307	-0.00415	0.990024	55240	GDSC
STEAP3	TW 37	0.000217	0.997053	55240	GDSC
STEAP3	VX-702	-0.00083	0.998246	55240	GDSC
symbol	drug	cor	fdr	entrez	Database
STEAP3	ciclopirox	0.36654	7.46E-25	55240	CTRP
STEAP3	BRD-K34	0.324357	3.85E-19	55240	CTRP
STEAP3	PAC-1	0.334698	4.21E-19	55240	CTRP
STEAP3	PX-12	0.312319	1.36E-17	55240	CTRP
STEAP3	SB-22500	0.304268	2.2E-17	55240	CTRP
STEAP3	PRIMA-1	0.317693	2.42E-17	55240	CTRP
STEAP3	panobinostat	0.304211	3.41E-17	55240	CTRP
STEAP3	LY-21832	0.305003	3.76E-17	55240	CTRP
STEAP3	BIX-0129	0.305271	1.48E-16	55240	CTRP
STEAP3	CR-1-31B	0.293188	4.65E-16	55240	CTRP
STEAP3	SR-II-138	0.287255	1.01E-15	55240	CTRP

STEAP3	PHA-7938	0.28752	2.32E-15	55240	CTRP
STEAP3	piperlongu	0.287179	2.92E-15	55240	CTRP
STEAP3	manumyci	0.284673	8.13E-15	55240	CTRP
STEAP3	doxorubic	0.2791	8.18E-15	55240	CTRP
STEAP3	entinostat	0.286579	9.4E-15	55240	CTRP
STEAP3	vincristine	0.274512	1.27E-14	55240	CTRP
STEAP3	YK 4-279	0.280119	1.44E-14	55240	CTRP
STEAP3	obatoclax	0.282751	1.71E-14	55240	CTRP
STEAP3	mitomycir	0.281637	1.91E-14	55240	CTRP
STEAP3	tacedinalir	0.333189	2.13E-14	55240	CTRP
STEAP3	cerulenin	0.281596	2.89E-14	55240	CTRP
STEAP3	apicidin	0.275051	3.42E-14	55240	CTRP
STEAP3	isoevodiar	0.276395	4.05E-14	55240	CTRP
STEAP3	ISOX	0.27754	4.52E-14	55240	CTRP
STEAP3	BRD-K92	0.288837	8.1E-14	55240	CTRP
STEAP3	indisulam	0.280031	1.22E-13	55240	CTRP
STEAP3	narciclasir	0.274057	1.56E-13	55240	CTRP
STEAP3	PL-DI	0.272239	1.85E-13	55240	CTRP
STEAP3	necrosulfo	0.326728	2.05E-13	55240	CTRP
STEAP3	NSC95397	0.286456	2.27E-13	55240	CTRP
STEAP3	belinostat	0.379889	2.74E-13	55240	CTRP
STEAP3	vorinostat	0.269595	2.74E-13	55240	CTRP
STEAP3	JQ-1	0.264693	4.29E-13	55240	CTRP
STEAP3	SB-74392	0.260033	5.75E-13	55240	CTRP
STEAP3	I-BET151	0.261638	6.28E-13	55240	CTRP
STEAP3	Merck60	0.262448	7.51E-13	55240	CTRP
STEAP3	NSC63283	0.261126	1.48E-12	55240	CTRP
STEAP3	topotecan	0.25622	1.61E-12	55240	CTRP
STEAP3	BRD-K66	0.259003	2.11E-12	55240	CTRP
STEAP3	MST-312	0.261685	2.54E-12	55240	CTRP
STEAP3	LRRK2-IN	0.304123	3.04E-12	55240	CTRP
STEAP3	etoposide	0.254013	4.21E-12	55240	CTRP
STEAP3	Repligen	10.275362	5.17E-12	55240	CTRP
STEAP3	BRD-K61	0.260613	1.06E-11	55240	CTRP
STEAP3	MK-1775	0.2539	1.19E-11	55240	CTRP
STEAP3	cytarabine	0.247596	1.27E-11	55240	CTRP
STEAP3	decitabine	0.24696	1.32E-11	55240	CTRP
STEAP3	parbendaz	0.244714	1.42E-11	55240	CTRP
STEAP3	BRD-A86	0.369304	2.29E-11	55240	CTRP
STEAP3	ceranib-2	0.243892	2.29E-11	55240	CTRP
STEAP3	phloretin	0.251704	2.31E-11	55240	CTRP
STEAP3	curcumin	0.245331	4.35E-11	55240	CTRP
STEAP3	BRD-K70	0.242164	5.88E-11	55240	CTRP
STEAP3	leptomycir	0.236815	5.97E-11	55240	CTRP
STEAP3	fingolimod	0.247227	7.22E-11	55240	CTRP
STEAP3	KX2-391	0.241822	7.24E-11	55240	CTRP
STEAP3	Compound	0.244794	1.04E-10	55240	CTRP
STEAP3	BI-2536	0.23369	1.12E-10	55240	CTRP
STEAP3	serdemeta	0.247486	1.45E-10	55240	CTRP
STEAP3	neuronal d	0.238562	1.49E-10	55240	CTRP
STEAP3	Compound	0.259927	1.77E-10	55240	CTRP
STEAP3	ML031	0.261493	1.87E-10	55240	CTRP
STEAP3	PI-103	0.245203	2E-10	55240	CTRP

STEAP3	NSC4830	0.235687	2.65E-10	55240	CTRP
STEAP3	AZD7762	0.233482	2.75E-10	55240	CTRP
STEAP3	KPT185	0.271906	2.76E-10	55240	CTRP
STEAP3	GSK4613	0.233499	3.1E-10	55240	CTRP
STEAP3	triazolothi	0.227599	3.79E-10	55240	CTRP
STEAP3	gossypol	0.238683	6.67E-10	55240	CTRP
STEAP3	gemcitabine	0.238206	6.97E-10	55240	CTRP
STEAP3	GW-405838	0.229736	7.71E-10	55240	CTRP
STEAP3	CCT0364	0.229613	8.94E-10	55240	CTRP
STEAP3	PF-375831	0.325703	1.01E-09	55240	CTRP
STEAP3	GSK525706	0.22482	1.09E-09	55240	CTRP
STEAP3	paclitaxel	0.225884	1.51E-09	55240	CTRP
STEAP3	NVP-BSK	0.226546	2.35E-09	55240	CTRP
STEAP3	BRD1812	0.22779	2.56E-09	55240	CTRP
STEAP3	olaparib	0.225247	2.64E-09	55240	CTRP
STEAP3	SNS-032	0.234769	2.68E-09	55240	CTRP
STEAP3	ouabain	0.220362	2.73E-09	55240	CTRP
STEAP3	tipifarnib	0.226365	3.04E-09	55240	CTRP
STEAP3	BRD-K35	0.226311	3.04E-09	55240	CTRP
STEAP3	CD-437	0.219447	3.71E-09	55240	CTRP
STEAP3	CHM-1	0.214671	6.27E-09	55240	CTRP
STEAP3	BRD-K66	0.224567	6.66E-09	55240	CTRP
STEAP3	barasertib	0.218137	6.71E-09	55240	CTRP
STEAP3	BRD-K80	0.219121	7.75E-09	55240	CTRP
STEAP3	NSC23760	0.22019	1.23E-08	55240	CTRP
STEAP3	methylnstat	0.256965	1.42E-08	55240	CTRP
STEAP3	KW-2449	0.209924	1.51E-08	55240	CTRP
STEAP3	ML311	0.207038	1.73E-08	55240	CTRP
STEAP3	tivantinib	0.302124	1.91E-08	55240	CTRP
STEAP3	Bax channel	0.231042	1.92E-08	55240	CTRP
STEAP3	KU-60019	0.212342	1.94E-08	55240	CTRP
STEAP3	NVP-231	0.209894	2.13E-08	55240	CTRP
STEAP3	sotrastaurin	0.249609	2.31E-08	55240	CTRP
STEAP3	BRD-K88	0.217907	3.33E-08	55240	CTRP
STEAP3	omacetaxin	0.24284	3.34E-08	55240	CTRP
STEAP3	chlorambucil	0.207472	4.03E-08	55240	CTRP
STEAP3	MK-2206	0.221418	5.03E-08	55240	CTRP
STEAP3	sirolimus	0.207214	5.16E-08	55240	CTRP
STEAP3	bardoxolomide	0.217888	6.92E-08	55240	CTRP
STEAP3	axitinib	0.202019	6.97E-08	55240	CTRP
STEAP3	SMER-3	0.226798	7.24E-08	55240	CTRP
STEAP3	dinaciclib	0.290208	7.77E-08	55240	CTRP
STEAP3	elocalcitin	0.203802	8.45E-08	55240	CTRP
STEAP3	clofarabine	0.196163	9.26E-08	55240	CTRP
STEAP3	rigosertib	0.202417	9.88E-08	55240	CTRP
STEAP3	PF-184	0.202668	1.06E-07	55240	CTRP
STEAP3	FQI-2	0.195863	1.09E-07	55240	CTRP
STEAP3	bortezomib	0.202524	1.27E-07	55240	CTRP
STEAP3	ML050	0.210442	1.48E-07	55240	CTRP
STEAP3	tosedostat	0.210479	1.51E-07	55240	CTRP
STEAP3	avrainvillagin	0.23881	1.59E-07	55240	CTRP
STEAP3	B02	0.203109	1.78E-07	55240	CTRP
STEAP3	linifanib	0.196276	1.8E-07	55240	CTRP

STEAP3	OSI-930	0.218132	2.02E-07	55240	CTRP
STEAP3	PDMP	0.207722	2.24E-07	55240	CTRP
STEAP3	RAF265	0.263497	2.38E-07	55240	CTRP
STEAP3	nutlin-3	0.198607	2.75E-07	55240	CTRP
STEAP3	GW-84368	0.200805	2.96E-07	55240	CTRP
STEAP3	TPCA-1	0.193517	3.09E-07	55240	CTRP
STEAP3	Ko-143	0.196642	3.32E-07	55240	CTRP
STEAP3	GMX-1770	0.195716	3.96E-07	55240	CTRP
STEAP3	alvocidib	0.279293	4.29E-07	55240	CTRP
STEAP3	sunitinib	0.19283	5.45E-07	55240	CTRP
STEAP3	nakiterpio	0.187702	5.68E-07	55240	CTRP
STEAP3	bendamusi	0.204533	6.19E-07	55240	CTRP
STEAP3	pifithrin- α	0.190444	6.33E-07	55240	CTRP
STEAP3	crizotinib	0.188555	6.41E-07	55240	CTRP
STEAP3	3-Cl-AHP	0.186633	6.81E-07	55240	CTRP
STEAP3	SCH-7979	0.186946	7.32E-07	55240	CTRP
STEAP3	BRD-A94	0.261038	7.48E-07	55240	CTRP
STEAP3	TW-37	0.193003	8.03E-07	55240	CTRP
STEAP3	PF-573228	0.187343	8.6E-07	55240	CTRP
STEAP3	BRD-K51	0.200064	8.71E-07	55240	CTRP
STEAP3	BMS-3455	0.188476	8.77E-07	55240	CTRP
STEAP3	BRD-K26	0.194185	8.8E-07	55240	CTRP
STEAP3	COL-3	0.216753	1.02E-06	55240	CTRP
STEAP3	NSC19630	0.222587	1.14E-06	55240	CTRP
STEAP3	SKI-II	0.197611	1.46E-06	55240	CTRP
STEAP3	alisertib	0.180857	1.66E-06	55240	CTRP
STEAP3	SNX-2112	0.176453	1.79E-06	55240	CTRP
STEAP3	teniposide	0.247367	1.95E-06	55240	CTRP
STEAP3	CAY1061	0.179384	2.17E-06	55240	CTRP
STEAP3	SCH-5290	0.20061	2.66E-06	55240	CTRP
STEAP3	AA-COCI	0.188958	2.97E-06	55240	CTRP
STEAP3	KU 00606	0.180679	3.22E-06	55240	CTRP
STEAP3	WP1130	0.178877	4.28E-06	55240	CTRP
STEAP3	StemRege	0.178404	4.31E-06	55240	CTRP
STEAP3	GSK-3 inh	0.18486	4.87E-06	55240	CTRP
STEAP3	HLI 373	0.177878	6.49E-06	55240	CTRP
STEAP3	MGCD-26	0.171116	7.19E-06	55240	CTRP
STEAP3	dexametha	0.181933	8.87E-06	55240	CTRP
STEAP3	STF-31	0.171688	1.02E-05	55240	CTRP
STEAP3	dacarbazir	0.167447	1.11E-05	55240	CTRP
STEAP3	CIL70	0.236703	1.17E-05	55240	CTRP
STEAP3	KU-00637	0.17374	1.18E-05	55240	CTRP
STEAP3	R428	0.206948	1.18E-05	55240	CTRP
STEAP3	BRD6340	0.170337	1.19E-05	55240	CTRP
STEAP3	cucurbitac	0.170189	1.41E-05	55240	CTRP
STEAP3	AT13387	0.24385	1.48E-05	55240	CTRP
STEAP3	skepinone	0.249726	2.05E-05	55240	CTRP
STEAP3	niclosamic	0.171753	2.1E-05	55240	CTRP
STEAP3	BIRB-796	0.178994	2.26E-05	55240	CTRP
STEAP3	prochlorp	0.175141	2.4E-05	55240	CTRP
STEAP3	marinopyr	0.205638	2.4E-05	55240	CTRP
STEAP3	OSI-027	0.168409	2.59E-05	55240	CTRP
STEAP3	tretinoin	0.165657	2.65E-05	55240	CTRP

STEAP3	bosutinib	0.166118	2.76E-05	55240	CTRP
STEAP3	BRD-K28	0.166481	2.93E-05	55240	CTRP
STEAP3	triptolide	0.159982	3.21E-05	55240	CTRP
STEAP3	NVP-ADV	0.169846	3.46E-05	55240	CTRP
STEAP3	brivanib	0.163338	3.56E-05	55240	CTRP
STEAP3	fluorourac	0.157243	3.63E-05	55240	CTRP
STEAP3	BRD-K24	0.162868	5.44E-05	55240	CTRP
STEAP3	BRD-K11	0.167642	5.56E-05	55240	CTRP
STEAP3	PIK-93	0.160538	5.57E-05	55240	CTRP
STEAP3	BRD-K17	-0.18763	6.2E-05	55240	CTRP
STEAP3	SRT-1720	0.167366	6.43E-05	55240	CTRP
STEAP3	docetaxel	0.227177	6.66E-05	55240	CTRP
STEAP3	pazopanib	0.154195	6.76E-05	55240	CTRP
STEAP3	necrostatin	0.166554	7.32E-05	55240	CTRP
STEAP3	KHS101	0.159535	8.71E-05	55240	CTRP
STEAP3	DBeQ	0.162035	8.85E-05	55240	CTRP
STEAP3	SN-38	0.16504	9.39E-05	55240	CTRP
STEAP3	masitinib	0.155695	9.62E-05	55240	CTRP
STEAP3	RG-108	0.159803	9.7E-05	55240	CTRP
STEAP3	GSK-J4	0.534124	9.73E-05	55240	CTRP
STEAP3	MLN2238	0.148499	0.000114	55240	CTRP
STEAP3	BRD-K41	0.149569	0.000123	55240	CTRP
STEAP3	daporinad	0.16222	0.000127	55240	CTRP
STEAP3	navitoclax	0.152989	0.00013	55240	CTRP
STEAP3	N9-isopro	0.150159	0.000161	55240	CTRP
STEAP3	ML029	0.15686	0.000164	55240	CTRP
STEAP3	bexarotene	0.156495	0.000166	55240	CTRP
STEAP3	TG-10134	0.146359	0.000181	55240	CTRP
STEAP3	epigalloca	0.158552	0.000183	55240	CTRP
STEAP3	AZ-3146	0.149402	0.000185	55240	CTRP
STEAP3	linsitinib	0.152017	0.000199	55240	CTRP
STEAP3	imatinib	0.150878	0.000203	55240	CTRP
STEAP3	RITA	0.148157	0.000212	55240	CTRP
STEAP3	valdecocil	0.145987	0.000213	55240	CTRP
STEAP3	YM-155	0.162459	0.000246	55240	CTRP
STEAP3	ML210	0.144813	0.000261	55240	CTRP
STEAP3	darinapars	0.212244	0.000278	55240	CTRP
STEAP3	AZD8055	0.141326	0.000317	55240	CTRP
STEAP3	BRD-K45	0.150253	0.000352	55240	CTRP
STEAP3	BRD-K97	0.144618	0.000353	55240	CTRP
STEAP3	tozasertib	0.51561	0.000397	55240	CTRP
STEAP3	BRD-K29	0.14298	0.000459	55240	CTRP
STEAP3	NVP-BEZ	0.167409	0.000479	55240	CTRP
STEAP3	ML239	0.139813	0.000519	55240	CTRP
STEAP3	AT7867	0.136069	0.000598	55240	CTRP
STEAP3	tandutinib	0.142428	0.000652	55240	CTRP
STEAP3	tubastatin	0.195104	0.000682	55240	CTRP
STEAP3	pevonedisi	0.132239	0.000757	55240	CTRP
STEAP3	SID 26681	0.144455	0.000761	55240	CTRP
STEAP3	Ki8751	0.138557	0.000775	55240	CTRP
STEAP3	oligomycin	0.131661	0.000798	55240	CTRP
STEAP3	foretinib	0.134027	0.000884	55240	CTRP
STEAP3	BRD-K85	0.13947	0.000957	55240	CTRP

STEAP3	MI-2	0.205346	0.000988	55240	CTRP
STEAP3	lenvatinib	0.13591	0.001009	55240	CTRP
STEAP3	ABT-737	0.138599	0.00102	55240	CTRP
STEAP3	1S,3R-RS	0.128596	0.001053	55240	CTRP
STEAP3	zebularine	0.127577	0.001109	55240	CTRP
STEAP3	lapatinib	0.136095	0.00116	55240	CTRP
STEAP3	FQI-1	0.174492	0.00124	55240	CTRP
STEAP3	SU11274	0.127025	0.001367	55240	CTRP
STEAP3	BIBR-153	0.134823	0.001542	55240	CTRP
STEAP3	Mdivi-1	0.128537	0.001559	55240	CTRP
STEAP3	momelotinib	0.126818	0.001574	55240	CTRP
STEAP3	UNC0638	0.129078	0.0016	55240	CTRP
STEAP3	tipifarnib	0.16844	0.001655	55240	CTRP
STEAP3	PYR-41	0.152448	0.001879	55240	CTRP
STEAP3	BRD-A02	0.152153	0.001898	55240	CTRP
STEAP3	SGX-523	-0.15256	0.001925	55240	CTRP
STEAP3	HBX-411	0.155933	0.002133	55240	CTRP
STEAP3	GDC-094	0.128159	0.002409	55240	CTRP
STEAP3	tigecycline	0.174001	0.002423	55240	CTRP
STEAP3	WZ8040	0.139498	0.002694	55240	CTRP
STEAP3	temsirirolin	0.172557	0.002928	55240	CTRP
STEAP3	CHIR-990	0.12148	0.002941	55240	CTRP
STEAP3	ABT-199	0.156129	0.003102	55240	CTRP
STEAP3	tacrolimus	0.121223	0.003354	55240	CTRP
STEAP3	TG-100-1	0.133702	0.003513	55240	CTRP
STEAP3	QW-BI-010	0.239681	0.003858	55240	CTRP
STEAP3	parthenolol	0.144509	0.004208	55240	CTRP
STEAP3	ML162	0.115706	0.00421	55240	CTRP
STEAP3	dabrafenib	0.188911	0.004265	55240	CTRP
STEAP3	BRD-K13	0.116675	0.004928	55240	CTRP
STEAP3	BRD-K55	0.11989	0.005076	55240	CTRP
STEAP3	RO492909	0.201699	0.005155	55240	CTRP
STEAP3	isoliquiritin	0.229087	0.00517	55240	CTRP
STEAP3	16-beta-br	0.12678	0.005404	55240	CTRP
STEAP3	brefeldin A	0.118256	0.005892	55240	CTRP
STEAP3	neratinib	0.11402	0.00596	55240	CTRP
STEAP3	ETP-4646	0.137955	0.006326	55240	CTRP
STEAP3	MG-132	0.200178	0.00662	55240	CTRP
STEAP3	purmorphine	0.122587	0.006792	55240	CTRP
STEAP3	GANT-61	0.138851	0.007288	55240	CTRP
STEAP3	ELCPK	0.15594	0.007476	55240	CTRP
STEAP3	VER-155	0.109546	0.007651	55240	CTRP
STEAP3	AZD1480	0.172337	0.007988	55240	CTRP
STEAP3	BMS-270	0.114381	0.008003	55240	CTRP
STEAP3	sorafenib	0.111646	0.008097	55240	CTRP
STEAP3	VAF-347	-0.15208	0.00838	55240	CTRP
STEAP3	MLN2480	0.202814	0.009112	55240	CTRP
STEAP3	ciclosporin	0.126758	0.009857	55240	CTRP
STEAP3	pandacost	0.115514	0.011068	55240	CTRP
STEAP3	BRD-A71	0.105568	0.011872	55240	CTRP
STEAP3	SB-52533	0.115541	0.011937	55240	CTRP
STEAP3	NVP-TAE	0.109733	0.012612	55240	CTRP
STEAP3	BRD-K51	0.162651	0.015432	55240	CTRP

STEAP3	trifluopera	0.111892	0.016785	55240	CTRP
STEAP3	GSK4112	0.108427	0.017303	55240	CTRP
STEAP3	Ch-55	0.104046	0.020561	55240	CTRP
STEAP3	CIL56	0.136328	0.020833	55240	CTRP
STEAP3	KU-55933	0.097548	0.020976	55240	CTRP
STEAP3	tivozanib	0.104348	0.021308	55240	CTRP
STEAP3	AZD4547	0.102592	0.021705	55240	CTRP
STEAP3	CIL55A	0.130514	0.026627	55240	CTRP
STEAP3	CAY1059	0.116051	0.028485	55240	CTRP
STEAP3	BMS-7548	0.093965	0.03013	55240	CTRP
STEAP3	necrostatin	0.097323	0.031159	55240	CTRP
STEAP3	regorafenib	0.100286	0.033317	55240	CTRP
STEAP3	erastin	0.085957	0.04109	55240	CTRP
STEAP3	BRD-K19	0.093296	0.046115	55240	CTRP
STEAP3	simvastatin	-0.10421	0.049043	55240	CTRP
STEAP3	PRIMA-1	0.129351	0.049064	55240	CTRP
STEAP3	WZ4002	0.119718	0.05162	55240	CTRP
STEAP3	ML334 di	-0.12337	0.052345	55240	CTRP
STEAP3	AZD6482	0.098551	0.053417	55240	CTRP
STEAP3	methotrex	0.079848	0.054757	55240	CTRP
STEAP3	CIL41	0.126429	0.054767	55240	CTRP
STEAP3	PF-543	0.086092	0.057802	55240	CTRP
STEAP3	BRD-K99	-0.1318	0.057862	55240	CTRP
STEAP3	BRD9647	0.090689	0.058381	55240	CTRP
STEAP3	AM-580	0.090712	0.060727	55240	CTRP
STEAP3	BRD-K63	0.079652	0.062596	55240	CTRP
STEAP3	BRD9876	0.105535	0.063081	55240	CTRP
STEAP3	ZSTK474	0.093925	0.063698	55240	CTRP
STEAP3	BRD-K30	0.295871	0.072744	55240	CTRP
STEAP3	azacitidine	0.083667	0.07342	55240	CTRP
STEAP3	cyanosquar	0.136347	0.079387	55240	CTRP
STEAP3	BRD-M00	0.143538	0.087218	55240	CTRP
STEAP3	cabozantinib	0.078838	0.090358	55240	CTRP
STEAP3	lovastatin	-0.08086	0.091045	55240	CTRP
STEAP3	CD-1530	0.087059	0.09174	55240	CTRP
STEAP3	canertinib	0.07628	0.093933	55240	CTRP
STEAP3	cediranib	0.155415	0.095008	55240	CTRP
STEAP3	ibrutinib	0.092366	0.0969	55240	CTRP
STEAP3	dasatinib	-0.07508	0.099315	55240	CTRP
STEAP3	vorapaxar	0.074106	0.108673	55240	CTRP
STEAP3	ML006	0.079448	0.122749	55240	CTRP
STEAP3	BRD-K02	0.075477	0.128017	55240	CTRP
STEAP3	NSC 7485	0.075763	0.129899	55240	CTRP
STEAP3	neopeltolide	0.136573	0.136326	55240	CTRP
STEAP3	HC-06704	0.083279	0.138229	55240	CTRP
STEAP3	PF-750	0.069025	0.14578	55240	CTRP
STEAP3	BRD1835	0.068124	0.151436	55240	CTRP
STEAP3	tamoxifen	0.08433	0.155176	55240	CTRP
STEAP3	BRD-K01	0.252871	0.156424	55240	CTRP
STEAP3	BRD-K09	-0.08613	0.156584	55240	CTRP
STEAP3	ML203	0.070682	0.168444	55240	CTRP
STEAP3	pluripotin	0.065708	0.172798	55240	CTRP
STEAP3	selumetinib	-0.06486	0.182237	55240	CTRP

STEAP3	LE-135	0.058539	0.189028	55240	CTRP
STEAP3	lomeguatri	0.070497	0.191641	55240	CTRP
STEAP3	JW-55	-0.15592	0.193913	55240	CTRP
STEAP3	L-685458	0.072734	0.195726	55240	CTRP
STEAP3	ruxolitinib	0.055827	0.199912	55240	CTRP
STEAP3	NSC3093	-0.08321	0.202925	55240	CTRP
STEAP3	BRD-K52	0.077165	0.211241	55240	CTRP
STEAP3	BYL-719	0.079486	0.212491	55240	CTRP
STEAP3	Compound	0.07206	0.21583	55240	CTRP
STEAP3	SJ-17255	0.107369	0.236191	55240	CTRP
STEAP3	bleomycin	0.063075	0.242115	55240	CTRP
STEAP3	temozolon	0.070694	0.244128	55240	CTRP
STEAP3	CAL-101	0.065975	0.246789	55240	CTRP
STEAP3	BRD-K02	-0.06629	0.251523	55240	CTRP
STEAP3	quizartinib	0.065747	0.252672	55240	CTRP
STEAP3	importazo	0.064074	0.286303	55240	CTRP
STEAP3	AZD7545	0.047022	0.297199	55240	CTRP
STEAP3	BRD-K48	0.111809	0.309598	55240	CTRP
STEAP3	afatinib	0.049281	0.316625	55240	CTRP
STEAP3	nilotinib	0.070841	0.324466	55240	CTRP
STEAP3	silmitasert	0.076048	0.333317	55240	CTRP
STEAP3	CAY1057	-0.06743	0.335591	55240	CTRP
STEAP3	birinapant	0.059248	0.343158	55240	CTRP
STEAP3	austocystin	-0.04639	0.347402	55240	CTRP
STEAP3	cytochalas	-0.04807	0.366921	55240	CTRP
STEAP3	BRD-K27	0.127254	0.367574	55240	CTRP
STEAP3	myricetin	0.091985	0.380783	55240	CTRP
STEAP3	ML320	0.04145	0.402037	55240	CTRP
STEAP3	fumonisin	0.04971	0.403002	55240	CTRP
STEAP3	JW-74	0.068547	0.416381	55240	CTRP
STEAP3	FGIN-1-2'	-0.10065	0.417566	55240	CTRP
STEAP3	IU1	0.067748	0.423523	55240	CTRP
STEAP3	bafilomycin	0.324773	0.435044	55240	CTRP
STEAP3	nintedanib	0.044044	0.43716	55240	CTRP
STEAP3	palmostatin	0.078594	0.43727	55240	CTRP
STEAP3	pyrazolant	0.040784	0.443883	55240	CTRP
STEAP3	PD318088	-0.03935	0.445464	55240	CTRP
STEAP3	O-6-benzy	0.090206	0.44786	55240	CTRP
STEAP3	spautin-1	0.037699	0.462221	55240	CTRP
STEAP3	procarbazine	-0.10517	0.465011	55240	CTRP
STEAP3	salermide	0.064519	0.491767	55240	CTRP
STEAP3	PLX-4720	0.047951	0.518292	55240	CTRP
STEAP3	BCL-LZH	-0.11165	0.533775	55240	CTRP
STEAP3	C6-ceramide	-0.06351	0.53865	55240	CTRP
STEAP3	ifosfamide	-0.10594	0.540835	55240	CTRP
STEAP3	betulinic acid	-0.08554	0.551815	55240	CTRP
STEAP3	BMS-195	0.037665	0.574213	55240	CTRP
STEAP3	MI-1	-0.04711	0.57992	55240	CTRP
STEAP3	erismodeg	-0.04325	0.596219	55240	CTRP
STEAP3	XL765	0.034036	0.59928	55240	CTRP
STEAP3	gefitinib	0.028541	0.62877	55240	CTRP
STEAP3	BMS-536	0.027376	0.654447	55240	CTRP
STEAP3	SR8278	0.146719	0.659016	55240	CTRP

STEAP3	abirateron	-0.06351	0.66927	55240	CTRP
STEAP3	saracatinib	-0.02374	0.671857	55240	CTRP
STEAP3	BRD-K49	-0.13709	0.68012	55240	CTRP
STEAP3	AT-406	0.044393	0.690092	55240	CTRP
STEAP3	BRD-K75	-0.09365	0.703303	55240	CTRP
STEAP3	ML258	0.038877	0.72447	55240	CTRP
STEAP3	GDC-0879	-0.02264	0.728685	55240	CTRP
STEAP3	thalidomide	0.065389	0.732552	55240	CTRP
STEAP3	pitstop2	0.062462	0.733894	55240	CTRP
STEAP3	GSK2636	-0.03634	0.737632	55240	CTRP
STEAP3	semagace	0.04507	0.739195	55240	CTRP
STEAP3	EX-527	0.040954	0.744017	55240	CTRP
STEAP3	myriocin	-0.16038	0.745583	55240	CTRP
STEAP3	BRD8899	-0.03622	0.753583	55240	CTRP
STEAP3	CID-5951	-0.02931	0.757892	55240	CTRP
STEAP3	BRD4132	0.022113	0.762159	55240	CTRP
STEAP3	BRD-K90	0.100661	0.764187	55240	CTRP
STEAP3	trametinib	0.026849	0.772351	55240	CTRP
STEAP3	PD 15303	0.019594	0.778041	55240	CTRP
STEAP3	NPC-26	0.034318	0.778054	55240	CTRP
STEAP3	avicin D	-0.02863	0.795102	55240	CTRP
STEAP3	fluvastatin	-0.01659	0.795425	55240	CTRP
STEAP3	GSK1059	0.069589	0.795746	55240	CTRP
STEAP3	BRD-K64	0.030293	0.815959	55240	CTRP
STEAP3	sildenafil	-0.03019	0.823783	55240	CTRP
STEAP3	SR1001	0.018757	0.829656	55240	CTRP
STEAP3	erlotinib	-0.01208	0.830606	55240	CTRP
STEAP3	BRD-K86	-0.06856	0.831173	55240	CTRP
STEAP3	BRD-K48	-0.04255	0.842857	55240	CTRP
STEAP3	pifithrin-a	0.015779	0.842933	55240	CTRP
STEAP3	QS-11	0.054977	0.849582	55240	CTRP
STEAP3	BRD-K29	0.045225	0.853289	55240	CTRP
STEAP3	staurospor	0.02929	0.861546	55240	CTRP
STEAP3	BRD1378	-0.02332	0.863839	55240	CTRP
STEAP3	istradefylli	0.03039	0.872012	55240	CTRP
STEAP3	tanespimycin	-0.01013	0.880021	55240	CTRP
STEAP3	IC-87114	-0.01354	0.882988	55240	CTRP
STEAP3	CBB-1007	-0.02983	0.887159	55240	CTRP
STEAP3	veliparib	0.013727	0.890468	55240	CTRP
STEAP3	DNMDP	0.011858	0.899252	55240	CTRP
STEAP3	CI-976	-0.02347	0.899424	55240	CTRP
STEAP3	BRD-K37	0.032415	0.901908	55240	CTRP
STEAP3	BRD-K84	0.039885	0.902421	55240	CTRP
STEAP3	BRD-K14	0.011282	0.907486	55240	CTRP
STEAP3	BRD-A05	0.019391	0.912997	55240	CTRP
STEAP3	BRD-K16	-0.042	0.913841	55240	CTRP
STEAP3	UNC0321	-0.01499	0.922737	55240	CTRP
STEAP3	KH-CB19	-0.01288	0.923868	55240	CTRP
STEAP3	JW-480	-0.01773	0.925685	55240	CTRP
STEAP3	BRD-K50	0.008908	0.926919	55240	CTRP
STEAP3	MK-0752	-0.00854	0.927994	55240	CTRP
STEAP3	hyperforin	0.011472	0.931766	55240	CTRP
STEAP3	TGX-221	0.009137	0.932053	55240	CTRP

STEAP3	CIL55	0.02156	0.938821	55240	CTRP
STEAP3	SZ4TA2	-0.01207	0.939533	55240	CTRP
STEAP3	AGK-2	-0.02962	0.942928	55240	CTRP
STEAP3	BRD-K33	-0.05775	0.948158	55240	CTRP
STEAP3	A-804598	-0.01419	0.949426	55240	CTRP
STEAP3	LY-21572	0.019891	0.950219	55240	CTRP
STEAP3	IPR-456	-0.01286	0.951294	55240	CTRP
STEAP3	itraconazo	0.005831	0.954191	55240	CTRP
STEAP3	ML312	-0.14377	0.95729	55240	CTRP
STEAP3	VU015501	-0.02272	0.95765	55240	CTRP
STEAP3	BRD-K09	0.035992	0.962831	55240	CTRP
STEAP3	nelarabine	0.015967	0.965783	55240	CTRP
STEAP3	fulvestrant	0.023032	0.965855	55240	CTRP
STEAP3	BRD-K34	-0.04052	0.966962	55240	CTRP
STEAP3	vemurafen	-0.003	0.969259	55240	CTRP
STEAP3	BRD-K27	0.014134	0.969935	55240	CTRP
STEAP3	BRD-K78	-0.05781	0.970056	55240	CTRP
STEAP3	PRL-3 inh	0.006624	0.971585	55240	CTRP
STEAP3	BRD5468	0.004738	0.973206	55240	CTRP
STEAP3	AC55649	0.006339	0.973488	55240	CTRP
STEAP3	SB-43154	0.005006	0.976316	55240	CTRP
STEAP3	968	0.051473	0.979307	55240	CTRP
STEAP3	BRD-K41	-0.02079	0.98207	55240	CTRP
STEAP3	BRD8958	0.023303	0.982399	55240	CTRP
STEAP3	BRD-K96	-0.05563	0.9862	55240	CTRP
STEAP3	blebbistati	-0.0123	0.987373	55240	CTRP
STEAP3	tamatinib	-0.00186	0.987728	55240	CTRP
STEAP3	vandetanil	0.00119	0.98814	55240	CTRP
STEAP3	ML083	0.002835	0.989138	55240	CTRP
STEAP3	etomoxir	-0.01133	0.989453	55240	CTRP
STEAP3	isonicotin	0.024477	0.992739	55240	CTRP
STEAP3	BRD-K44	-0.02551	0.994823	55240	CTRP
STEAP3	BRD-K71	0.007326	0.996572	55240	CTRP
STEAP3	BRD-K30	-0.00248	0.996933	55240	CTRP
STEAP3	cimetidine	-0.00173	0.998407	55240	CTRP
STEAP3	WAY-362	-0.04182	0.998521	55240	CTRP
STEAP3	BRD-K42	0.014538	0.998533	55240	CTRP
STEAP3	BRD-K34	0.019819	0.998562	55240	CTRP
STEAP3	BRD-K96	-0.00236	0.998764	55240	CTRP
STEAP3	BRD-K04	-0.01968	0.99881	55240	CTRP
STEAP3	sitagliptin	-0.00139	0.998945	55240	CTRP
STEAP3	BRD-K33	0.265185	0.999288	55240	CTRP
STEAP3	cyclophosj	0.008744	0.999427	55240	CTRP
STEAP3	FSC231	0.044706	0.99945	55240	CTRP
STEAP3	PF-480051	0.00449	0.999586	55240	CTRP
STEAP3	BEC	-0.01779	0.999979	55240	CTRP