

Supplementary Table 3. Correlation analyses between ICDscore and drug sensitivity.

Drug	R	P	Classification
JW-7-52-1	$R = 0.72$	$p < 2.2e-16$	undefined group
Roscovitine	$R = 0.71$	$p < 2.2e-16$	CDK inhibitor
Rapamycin	$R = 0.69$	$p < 2.2e-16$	mTOR inhibitor
CGP-60474	$R = 0.62$	$p < 2.2e-16$	CDK inhibitor
Erlotinib	$R = 0.62$	$p < 2.2e-16$	EGFR inhibitor
CAL-101	$R = 0.61$	$p < 2.2e-16$	PI3K inhibitor
STF-62247	$R = 0.59$	$p < 2.2e-16$	autophagy inducer
Sunitinib	$R = 0.59$	$p < 2.2e-16$	multi-kinase inhibitor
Z-LLNle-CHO	$R = 0.58$	$p < 2.2e-16$	Gamma secretase inhibitor
5-Fluorouracil	$R = 0.57$	$p < 2.2e-16$	chemotherapeutic agents
DMOG	$R = 0.57$	$p < 2.2e-16$	HIF-PH inhibitor
A-770041	$R = 0.56$	$p < 2.2e-16$	Lck inhibitor
AZD7762	$R = 0.56$	$p < 2.2e-16$	Chk inhibitor
THZ-2-49	$R = 0.56$	$p < 2.2e-16$	CDK inhibitor
Lestaurtinib (CEP-701)	$R = 0.55$	$p < 2.2e-16$	multi-kinase inhibitor
NU-7441	$R = 0.55$	$p < 2.2e-16$	DNA-PK inhibitor
PIK-93	$R = 0.55$	$p < 2.2e-16$	PI4K inhibitor
KIN001-260	$R = 0.54$	$p < 2.2e-16$	undefined group
UNC1215	$R = 0.54$	$p < 2.2e-16$	MBT inhibitor
BIX02189	$R = 0.53$	$p = 2.5e-16$	MEK inhibitor
Ruxolitinib	$R = 0.53$	$p < 2.2e-16$	JAK inhibitor
TPCA-1	$R = 0.53$	$p < 2.2e-16$	IKK-2 inhibitor
Y-39983	$R = 0.53$	$p < 2.2e-16$	ROCK inhibitor
Ponatinib (AP-24534)	$R = 0.52$	$p = 6.7e-16$	multi-kinase inhibitor
JW-7-24-1	$R = 0.52$	$p = 5e-16$	undefined group
KIN001-102	$R = 0.52$	$p = 3.8e-16$	Akt inhibitor
QL-XI-92	$R = 0.52$	$p = 1.1e-15$	undefined group
Tamoxifen	$R = 0.52$	$p = 1.1e-15$	Selective Estrogen Receptor Modulator
TG101348	$R = 0.52$	$p = 4.8e-16$	JAK inhibitor
Bexarotene	$R = 0.51$	$p = 5e-15$	RXR activator
SNX-2112	$R = 0.51$	$p = 1.7e-15$	HSP90 inhibitor
AICAR	$R = 0.5$	$p = 2e-14$	AMPK activator
Cyclopamine	$R = 0.5$	$p = 1.2e-14$	Hedgehog signaling inhibitor
VX-702	$R = 0.5$	$p = 8.1e-15$	MAPK inhibitor