

Supplementary

Table S1 The summary of clinical information for the patient in the study

Factor	Tissue Microarray	TCGA-PRAD cohort	DKFZ cohort
Gleason Score			
<8	27	290	100
≥8	32	204	18
Pathological Stage			
<T3A	45	186	74
≥T3A	18	301	42
Metastasis			
NO	57	317	-
YES	8	75	-
Overall Survival			
Alive	-	484	133
Die	-	10	19
Recurrence-free survival			
YES	-	368	81
NO	-	58	24

Table S2 The correlation between AMGIO2 and common drug sensitivity using the data from NCI-60 dataset

Gene	Drug	Correlation	P value
AMIGO2	XAV-939	0.53515097	1.06E-05
AMIGO2	Vinorelbine	-0.3349779	0.00889139
AMIGO2	Vinblastine	-0.4076518	0.00122537
AMIGO2	Vandetanib	0.33774568	0.00831073
AMIGO2	TYROTHRICIN	-0.3855624	0.00234779
AMIGO2	Tipifarnib	-0.3359219	0.00868951
AMIGO2	Tamoxifen	-0.3315706	0.0096544
AMIGO2	TAK Plk inhibitor	-0.3891818	0.00211687
AMIGO2	Staurosporine	0.47353942	0.00013269
AMIGO2	SB-590885	-0.4161092	0.00094401
AMIGO2	Saracatinib	0.43785779	0.00046751
AMIGO2	Sapitinib	0.52343302	1.78E-05
AMIGO2	Pipamperone	-0.3644622	0.00419771
AMIGO2	Paclitaxel	-0.3438225	0.00715052
AMIGO2	ONX-0914	-0.4079198	0.00121541
AMIGO2	Midostaurin	0.3600972	0.00471179
AMIGO2	Lapachone	-0.3508404	0.00598898
AMIGO2	JNJ-38877605	0.37056484	0.00356217
AMIGO2	Ibrutinib	0.45372484	0.00027161
AMIGO2	Everolimus	0.40162122	0.00146986
AMIGO2	Erlotinib	0.39849393	0.00161315
AMIGO2	EMD-534085	-0.3812366	0.00265305
AMIGO2	DOLASTATIN 10	-0.3393568	0.00798818
AMIGO2	Deforolimus	0.38956833	0.00209345
AMIGO2	Dasatinib	0.4966656	5.43E-05
AMIGO2	Crizotinib	-0.3613277	0.00456153
AMIGO2	By-Product of CUDC-305	-0.3529655	0.00567159
AMIGO2	BP-1-102	-0.4043418	0.00135461
AMIGO2	BMS-690514	0.48008705	0.00010371
AMIGO2	BMS-599626	0.40619513	0.00128082
AMIGO2	AS-703569	0.37875379	0.00284378
AMIGO2	AMG-900	-0.4450637	0.00036653
AMIGO2	Afatinib	0.40732185	0.00123774