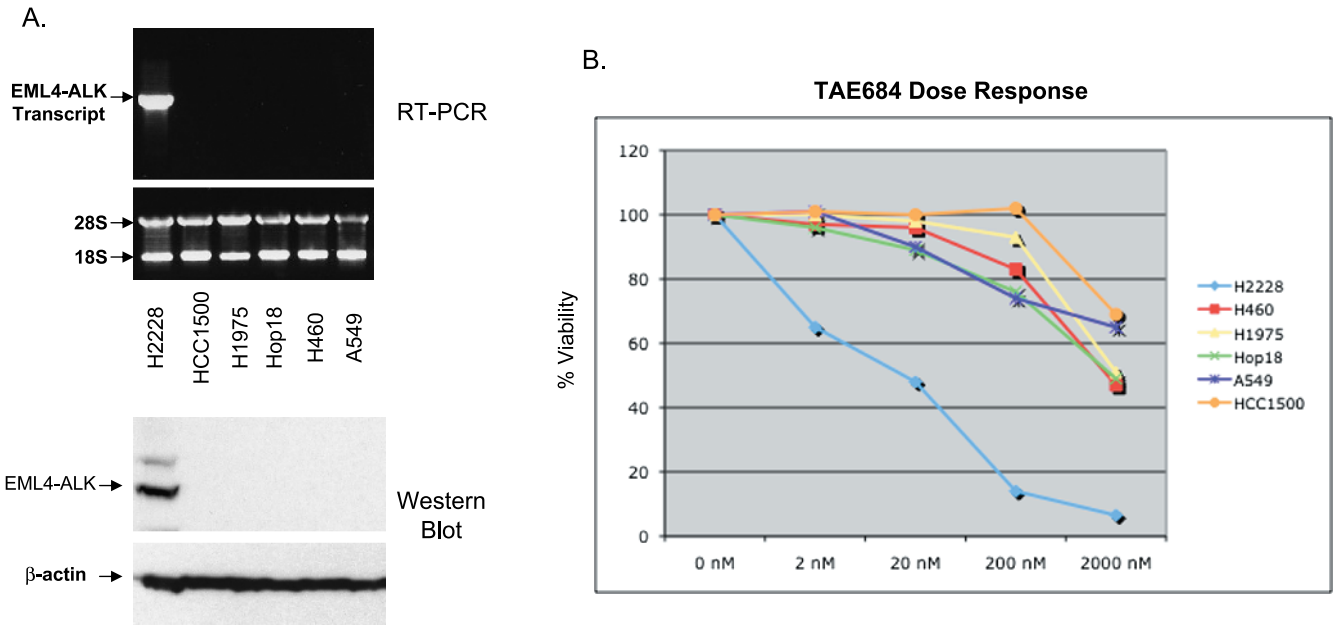

Figure W1. Sensitivity of NSCLC cell lines to TAE684. (A) Expression of EML4-ALK in NSCLC cell lines. Upper panel: mRNA expression; lower panel: protein expression. (B) TAE684 selectivity reduces the viability of NSCLC H2228 that harbors EML4-ALK fusion. Cells were cultured in medium containing 10% FBS and treated with indicated concentrations of TAE684 for 72 hours. Cell viability was measured using CellTiter Glo reagent.

Table W1. Cellular Processes and Number of Genes That Are Modulated by TAE684 Treatment in H2228 Xenograft.

GO ID	GO Term	*P*	No. Genes
GO:0007049	cell cycle	9.73*e* - 22	151
GO:0006259	DNA metabolic process	1.92*e* - 15	98
GO:0016043	cellular component organization	2.43*e* - 12	265
GO:0008283	cell proliferation	8.97*e* - 12	134
GO:0006996	organelle organization	8.76*e* - 11	165
GO:0007005	mitochondrion organization	3.93*e* - 07	26
GO:0006950	response to stress	0.00000264	166
GO:0008219	cell death	0.0000207	117
GO:0016265	death	0.0000249	117
GO:0044238	primary metabolic process	0.0000286	647
GO:0008152	metabolic process	0.0000511	706
GO:0006139	nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	0.000213	359
GO:0007010	cytoskeleton organization	0.00107	52
GO:0006519	cellular amino acid and derivative metabolic process	0.00498	42
GO:0009605	response to external stimulus	0.00539	81
GO:0005975	carbohydrate metabolic process	0.0147	57
GO:0006629	lipid metabolic process	0.018	81
GO:0006091	generation of precursor metabolites and energy	0.0232	36
GO:0009058	biosynthetic process	0.0452	359
GO:0009628	response to abiotic stimulus	0.0693	28