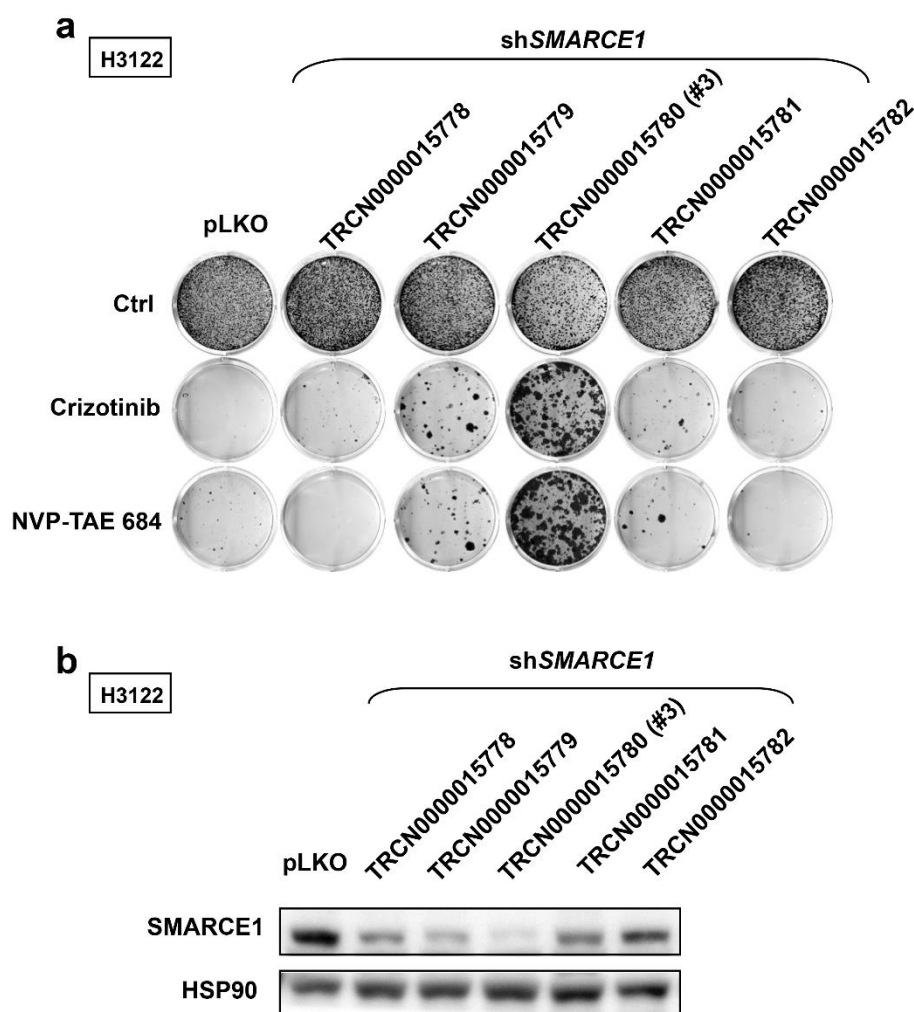


Figure S3



Supplementary information, Figure S3 Differential SMARCE1 expression

correlates with drug response in H3122 cells.

(A) Suppression of SMARCE1 by lentiviral shRNA vectors confers resistance to ALK inhibition in ALK-positive cells. H3122 cells expressing pLKO control or independent lentiviral shSMARCE1 vectors and that were cultured in 300 nM crizotinib or 2.5 nM NVP-TAE684. The cells were then fixed and stained with crystal violet after 14 (untreated) or 28 (treated) days. **(B)** The level of knockdown of SMARCE1 protein in the cells described above (A) was measured by western blotting. Note that

there is a correlation between the knockdown efficiency and drug resistance phenotype among the lentiviral shSMARCE1 vectors tested. TRCN0000015780 was referred as sh*SMARCE1*#3 for the rest of study.