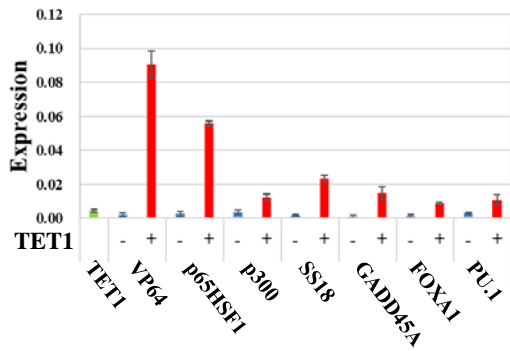
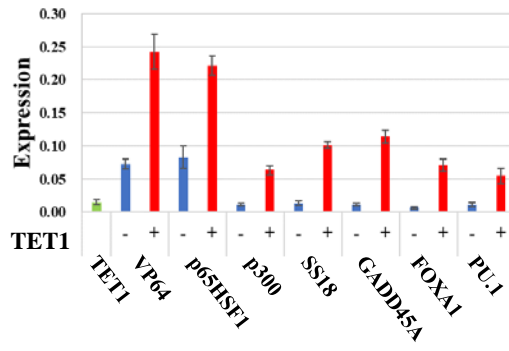
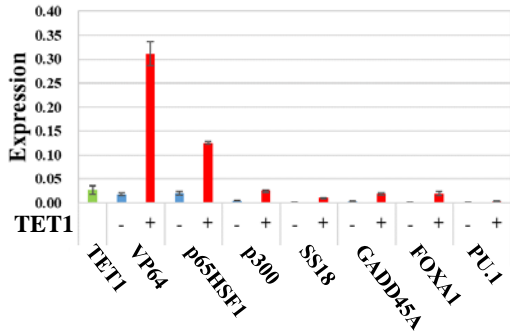
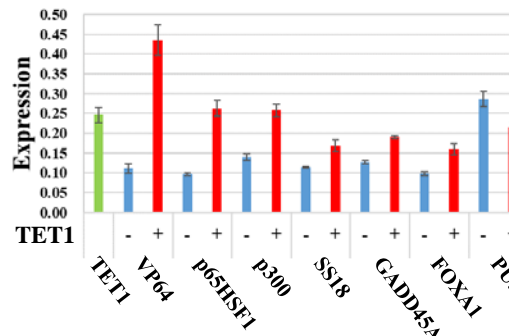
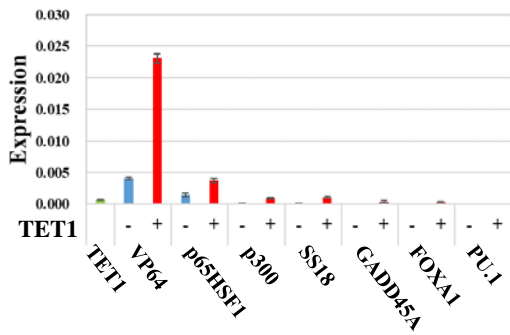
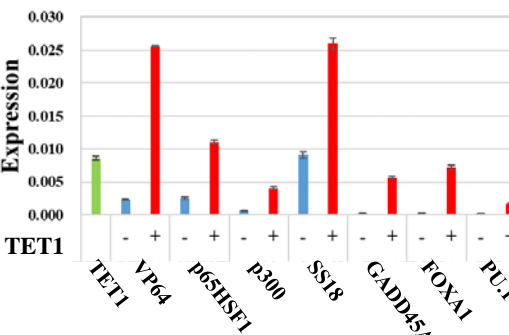
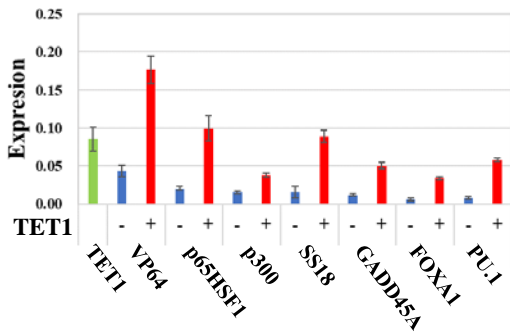
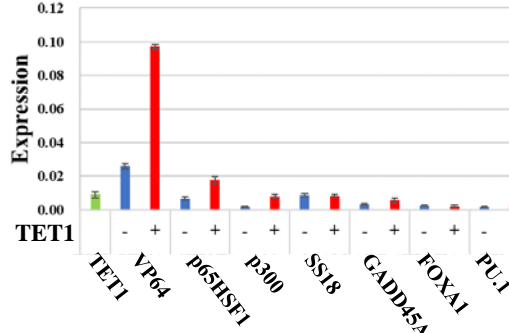
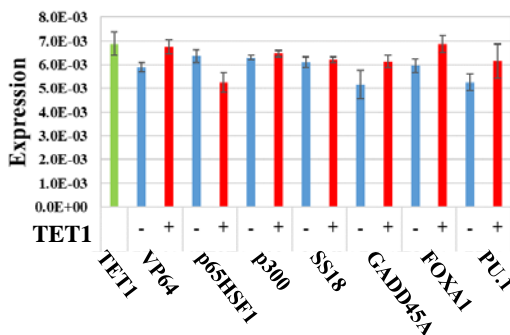
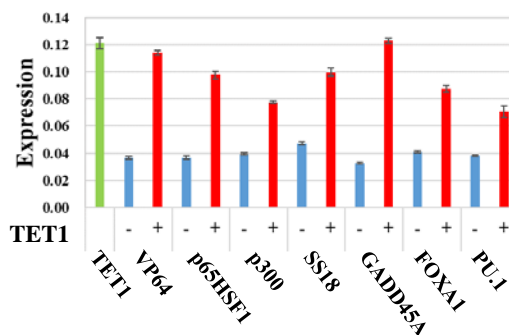


Table S1

Target gene	Target sgRNA name	Target sequence	Primer name	Primer sequence
CARD9	gRNA-CARD9_3	TGGGAGCAGCTTCCTCTGG	CARD9-1	CAGGCTCCTGGTGTGTCTG
			CARD9-2	CTCCAGCACTCGTCATCGT
KDM2B	gRNA-KDM2B_1	GGACTGCAAAGGCTCTGGTC	KDM2B-1	CATGCAGCAGAAAAGCAAAA
			KDM2B-2	TCCGACAAGTCTCGTTCTC
RAB19	gRNA-RAB19_1	GCCTCAGGGTACAAAGCGCC	RAB19-1	GCTGAAAAGCAAACCCAGAA
			RAB19-2	AGCTGGAGAAGTGCATGGTT
CNKSR1	gRNA-CNKSR1_1	TGTGAGCCCAGGTATGCAGT	CNKSR1-1	GGCAAAACAGGAGCTGATTC
			CNKSR1-2	TAGTCTGCAGGGAGTCGTC
SBNO2	gRNA-SBNO2_1	GGTAATTGCCCTGACTTACG	SBNO2-1	GCAGTTTGAGGCTCTGAACA
			SBNO2-2	ATGGTGGACACCTGGTTGAG
SPARC	gRNA-SPAARC_1	GAAGGGCCAAGCAATTCAAG	SPRC-1	GGTTTCTGTTGCCTGTCTC
			SPRC-2	AAGAAGATCCAGGCCCTCAT
CLEC11A	gRNA-CLEC11A_1	ATGGTTCTGAGCGGGTTCCT	CLEC11A-1	GAGAGGGAGGCCCTGATG
			CLEC11A-2	GTCCTCCTCCATCTCCCAGT
HGF	gRNA-HGF_1	GCTCCTATCCGAGTAAGGAA	HGF-1	CATGTCCTCCTGCATCTCCT
			HGF-2	TGCTGGATCTATTTTGATTAGGG
TCF21	gRNA-TCF21_4	CGGGAGGCCTCTTGTTTCA	TCF21-1	TGAGGCAGATCCTGGCTAAC
			TCF21-2	TCAGGTCACCTCGGGTTTC
TINAGL1	gRNA-TINAGL1_1	CCTGCTTGGGGTCCCCTAA	TINAGL1-1	CAGCCCACACCTTCACCA
			TINAGL1-2	GGCACCCAGAGCCAAGTG

CARD9**KDM2B****RAB19****CNKSR1****SBNO2****SPARC****CLEC11A****HGF****TCF21****TINAGL1**

■ TET only
■ X only
■ both TET and X

Supplementary Figure 1. Expression levels (not presented as fold changes to GFP-transfected experimental controls) in A549 cells transfected with dCas9–SunTag and scFv–TET1 (green bar); dCas9–SunTag and scFv–X (blue bar); and dCas9–SunTag, scFv–TET1, and scFv–X (red bar). Expression levels, determined by RT-PCR, were normalized against the corresponding level of actin mRNA. Results obtained using sgRNAs targeting *CARD9*, *KDM2B*, *RAB19*, *CNKSR1*, *SBNO2*, *SPARC*, *CLEC11A*, *HGF*, *TCF21*, and *TINAGL1* are shown.