

Figure S1. Knockdown of FAM83A inhibits the proliferation, migration and invasion of A549 cells. (A) siRNAs successfully downregulated the expression of FAM83A in A549 cells. (B) EdU, (C) CCK-8, (D) Transwell and (E) Matrigel assays (all magnification, x400) were performed after knockdown of FAM83A. **P<0.01; ***P<0.001. CCK-8, Cell Counting Kit-8; si, small interfering; NC, negative control.

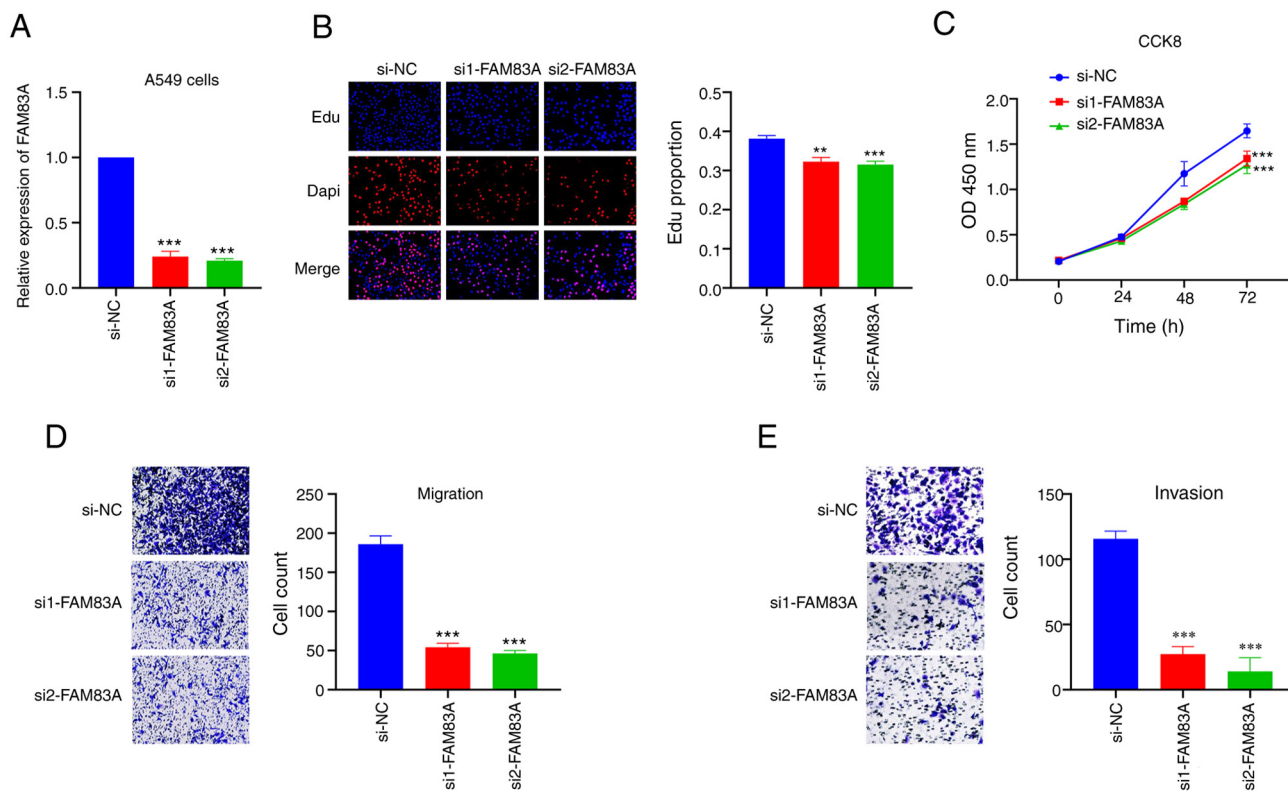


Figure S2. Knockdown of FAM83A-AS1 inhibits the proliferation, migration and invasion of A549 cells. (A) siRNAs successfully downregulated the expression of FAM83A-AS1 in A549 cells. (B) EdU, (C) CCK-8, (D) Transwell and (E) Matrigel assays (all magnification, x400) were performed after knockdown of FAM83A-AS1. ** $P < 0.01$; *** $P < 0.001$ CCK-8, Cell Counting Kit-8; si, small interfering; NC, negative control.

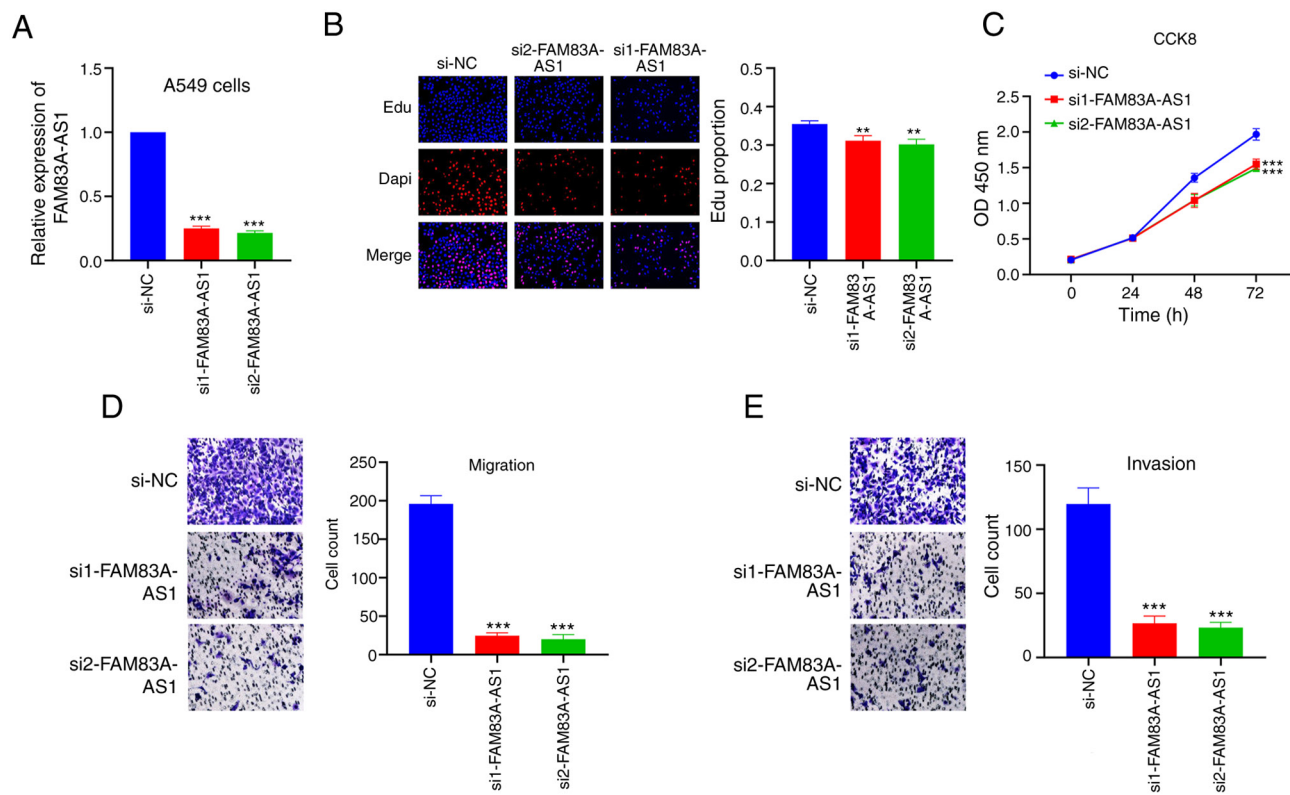


Figure S3. miR-495-3p counteracts the effect of FAM83A and FAM83A-AS1 in NCIH1650 cells. (A,B) miR-495-3p inhibitor successfully downregulated the expression of miR-495-3p, and increased the expression of FAM83A and FAM83A-AS1. Downregulation of miR-495-3p offset the inhibitory effects of FAM83A-knockdown on (C) cell proliferation, (D) migration and (E) invasion (magnification, x400). Down-regulation of miR-495-3p offset the inhibitory effects of FAM83A-AS1-knockdown on (F) cell proliferation, (G) migration and (H) invasion (magnification, x400). ***P<0.001.

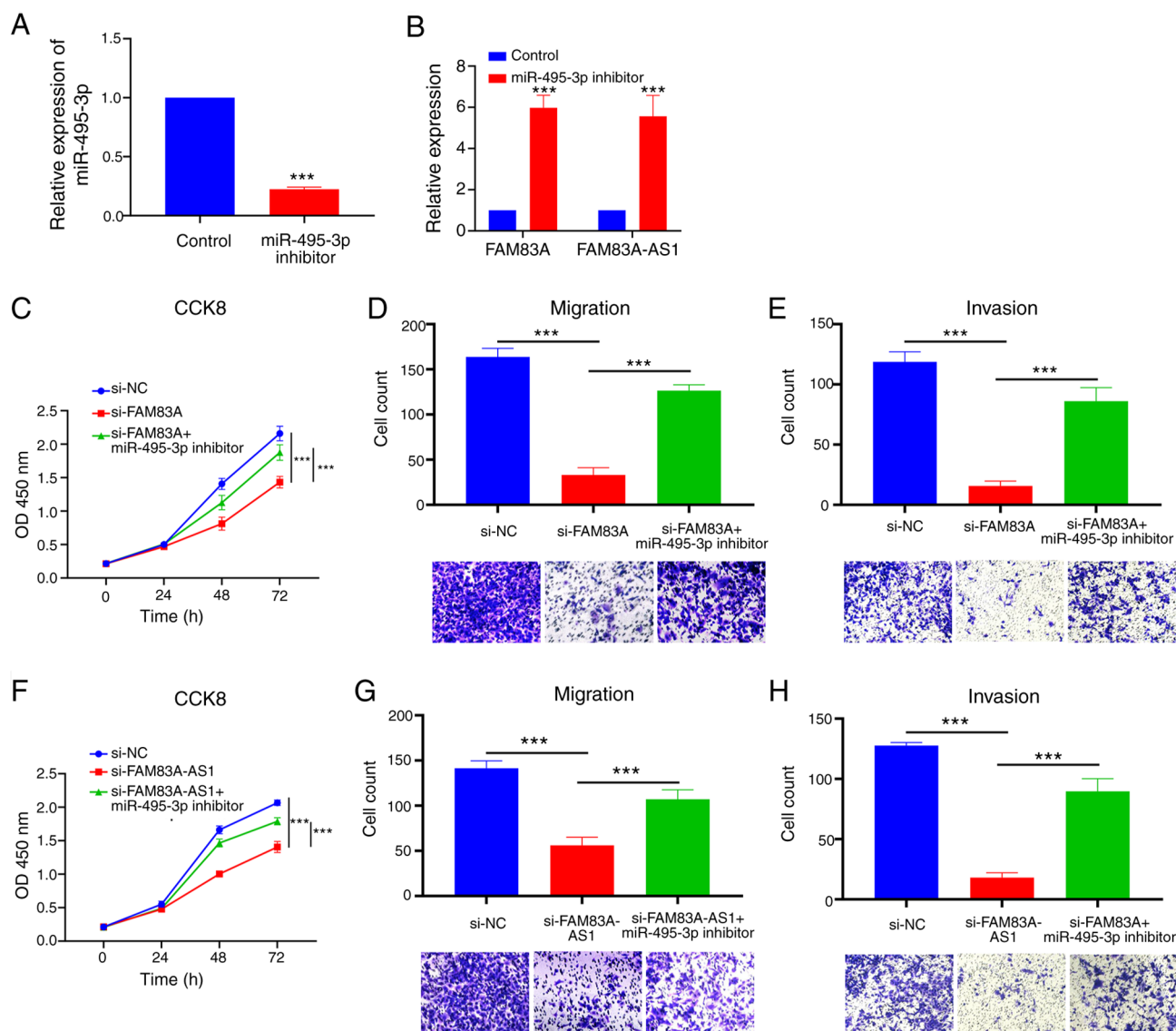


Table SI. Sequences of reverse transcription-quantitative PCR primers.

Gene	Forward sequence, 5'-3'	Reverse sequence, 5'-3'
ACTB	CATGTACGTTGCTATCCAGGC	CTCCTTAATGTCACGCACGAT
FAM83A	CCCATCTCAGTCACTGGCATT	CCGCCAACATCTCCTTGTTTC
FAM83A-AS1	CCCCAGAGCACTTCCTTAGC	CAGGGCCGTCTGTGTTTACT