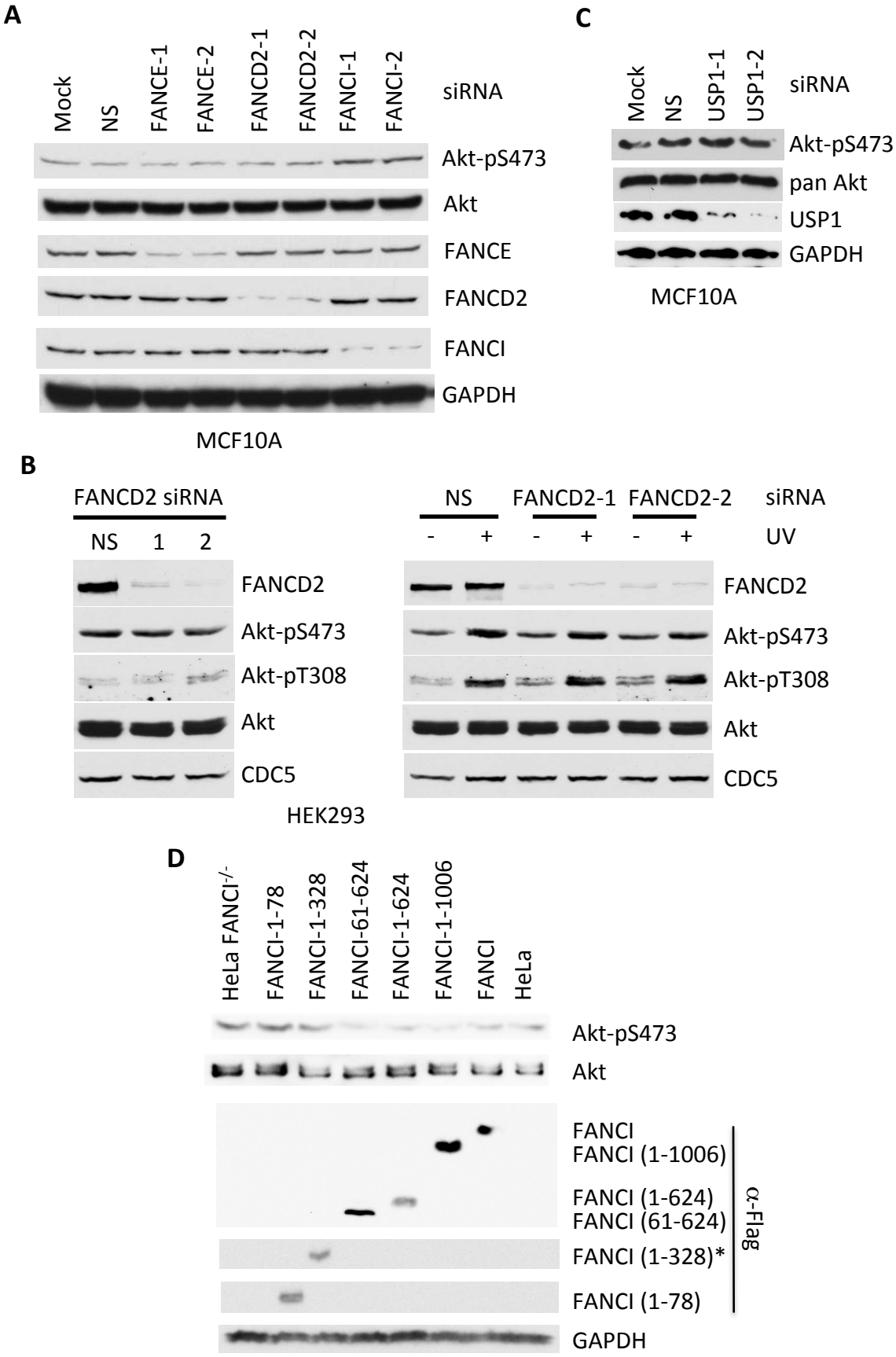
A
Mock
NS
FANCE-1
FANCE-2
FANCD2-1
FANCD2-2
FANCI-1
FANCI-2
siRNA
Akt-pS473
Akt
FANCE
FANCD2
FANCI
GAPDH
MCF10A
C
Mock
NS
USP1-1
USP1-2
siRNA
Akt-pS473
pan Akt
USP1
GAPDH
MCF10A
B
FANCD2 siRNA
NS
1
2
FANCD2
Akt-pS473
Akt-pT308
Akt
CDC5
HEK293
NS
FANCD2-1
FANCD2-2
siRNA
-
+
-
+
-
+
UV
FANCD2
Akt-pS473
Akt-pT308
Akt
CDC5
D
HeLa FANCI-/-
FANCI-1-78
FANCI-1-328
FANCI-61-624
FANCI-1-624
FANCI-1-1006
FANCI
HeLa
Akt-pS473
Akt
FANCI
FANCI (1-1006)
FANCI (1-624)
FANCI (61-624)
FANCI (1-328)*
FANCI (1-78)
α-Flag
GAPDH

Figure S3. Depletion of components of the PAF complex and the FA core complex by siRNA did not affect phosphorylation of Akt at S473 and T308. (A-C) Immunoblots of Akt in human cell lines upon depletion of the indicated proteins with or without UV irradiation. Distinct siRNAs are indicated. NS indicates a control siRNA. GAPDH indicates a loading control. MCF10A cells were used for experiments shown in (A) and (C), and HEK293 cell were for experiments shown in (B). (**D**) Inhibition of Akt pS473 phosphorylation in HeLa FANCI$^{-/-}$ cells by various truncation mutants of FANCI. *Indicates that a FANCI antibody rather than α-Flag was used to detectthis truncation mutant of FANCI due to the interference of a nonspecific band.