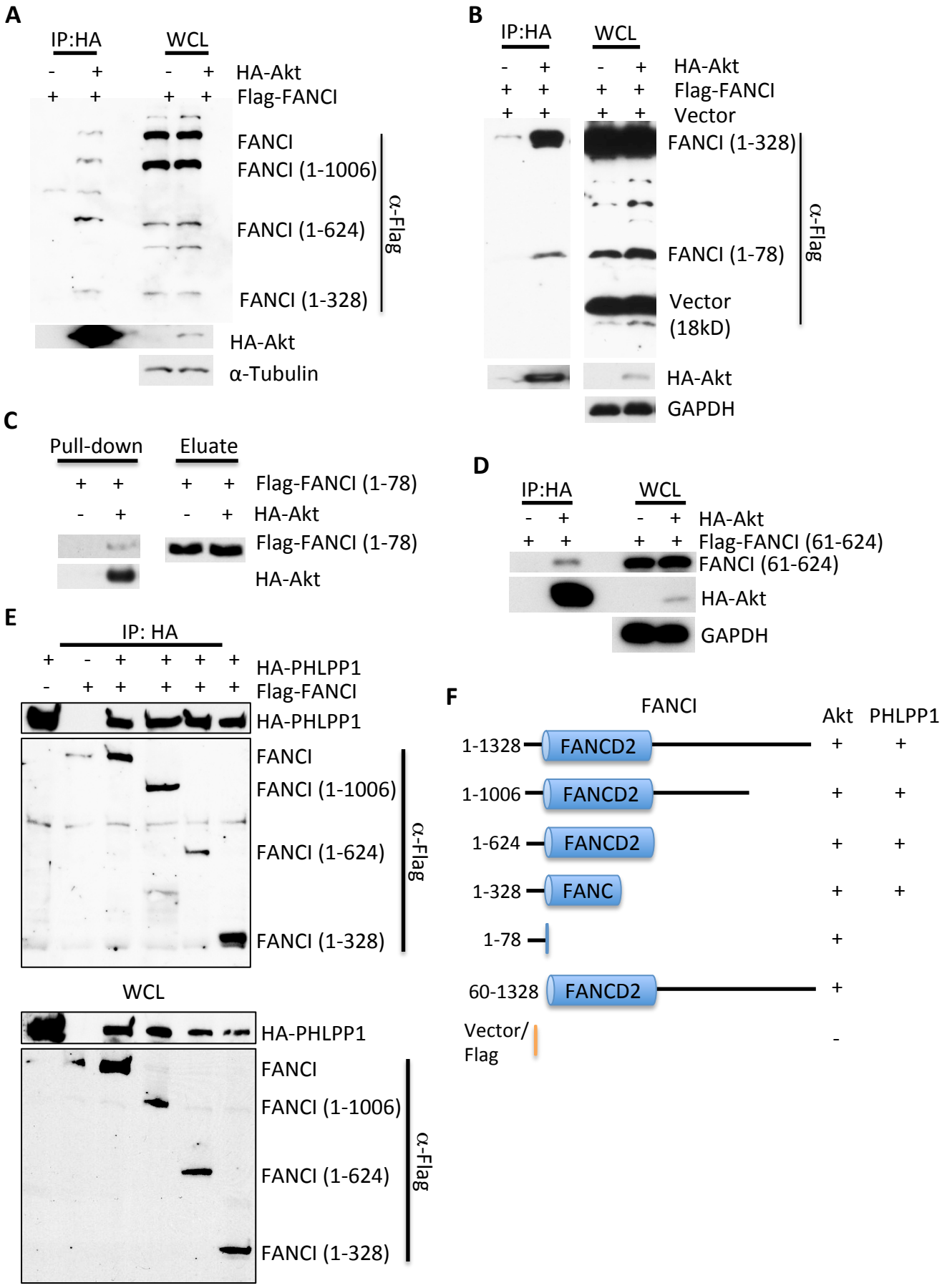
A
IP:HA
WCL
HA-Akt
Flag-FANCI
FANCI
FANCI (1-1006)
FANCI (1-624)
FANCI (1-328)
α-Flag
HA-Akt
α-Tubulin
B
IP:HA
WCL
HA-Akt
Flag-FANCI
Vector
FANCI (1-328)
FANCI (1-78)
Vector
(18kD)
α-Flag
HA-Akt
GAPDH
C
Pull-down
Eluate
Flag-FANCI (1-78)
HA-Akt
Flag-FANCI (1-78)
HA-Akt
D
IP:HA
WCL
HA-Akt
Flag-FANCI (61-624)
FANCI (61-624)
HA-Akt
GAPDH
E
IP: HA
HA-PHLPP1
Flag-FANCI
HA-PHLPP1
FANCI
FANCI (1-1006)
FANCI (1-624)
FANCI (1-328)
α-Flag
WCL
HA-PHLPP1
FANCI
FANCI (1-1006)
FANCI (1-624)
FANCI (1-328)
α-Flag
F
FANCI
Akt
PHLPP1
1-1328
FANCD2
1-1006
FANCD2
1-624
FANCD2
1-328
FANC
1-78
60-1328
FANCD2
Vector/
Flag

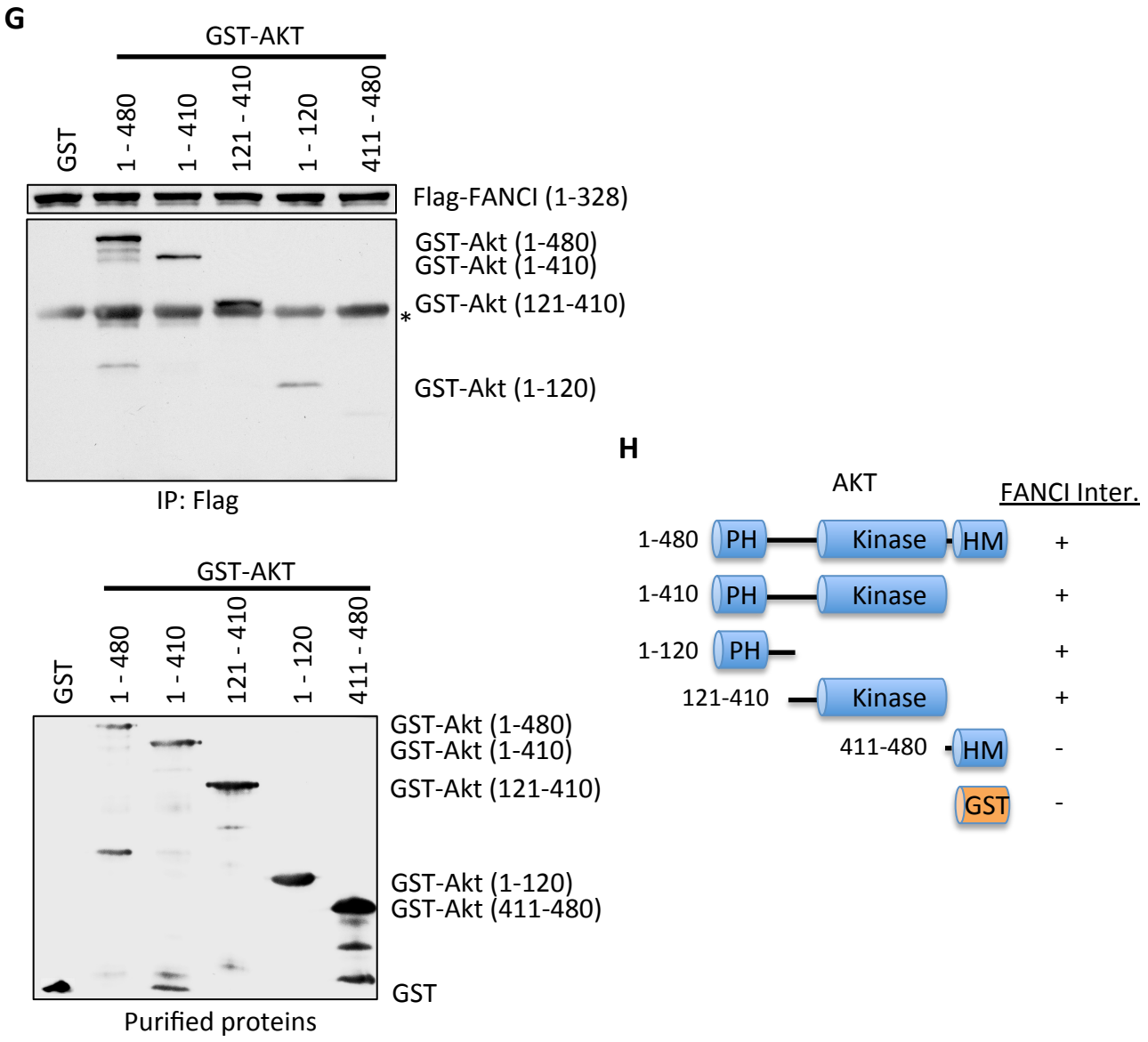

Figure S2. Mapping of the interaction domains between FANCI and Akt or PHLPP1. (A,B,D) The N-terminus of FANCI interacts with Akt. Immunoblots showing the results of co-IP experiments between Akt and truncation mutants of Flag-FANCI. The indicated FANCI mutants were co-expressed and subsequently processed for co-IP experiments. (**C**) FANCI truncated to residues 1-78 interacts with Akt in vitro. (**E**) The amino terminus of FANCI co-IPs with PHLPP1. Immunoblots showing the results of co-IP experiments between PHLPP1 and various truncation mutants of Flag-FANCI. (**F**) Schematic indicating the results of the interaction mapping of Akt and PHLPP1 with various truncation mutants of Flag-FANCI. "FANCD2" indicates the domain of interaction with FANCI. Vector/Flag indicates a small expressed region of the vector plus the Flag tag. (**G**) The N-terminal and core domains of Akt mediate the interaction with FANCI. Immunoblots showing the results of co-IP experiments between FANCI and various truncation mutants of GST-Akt. *Indicates IgG heavy chain in upper panel. (**H**) Schematic indicating the results of the interaction mapping of FANCI with various truncation mutants of GST-Akt. The various domains of Akt are indicated.