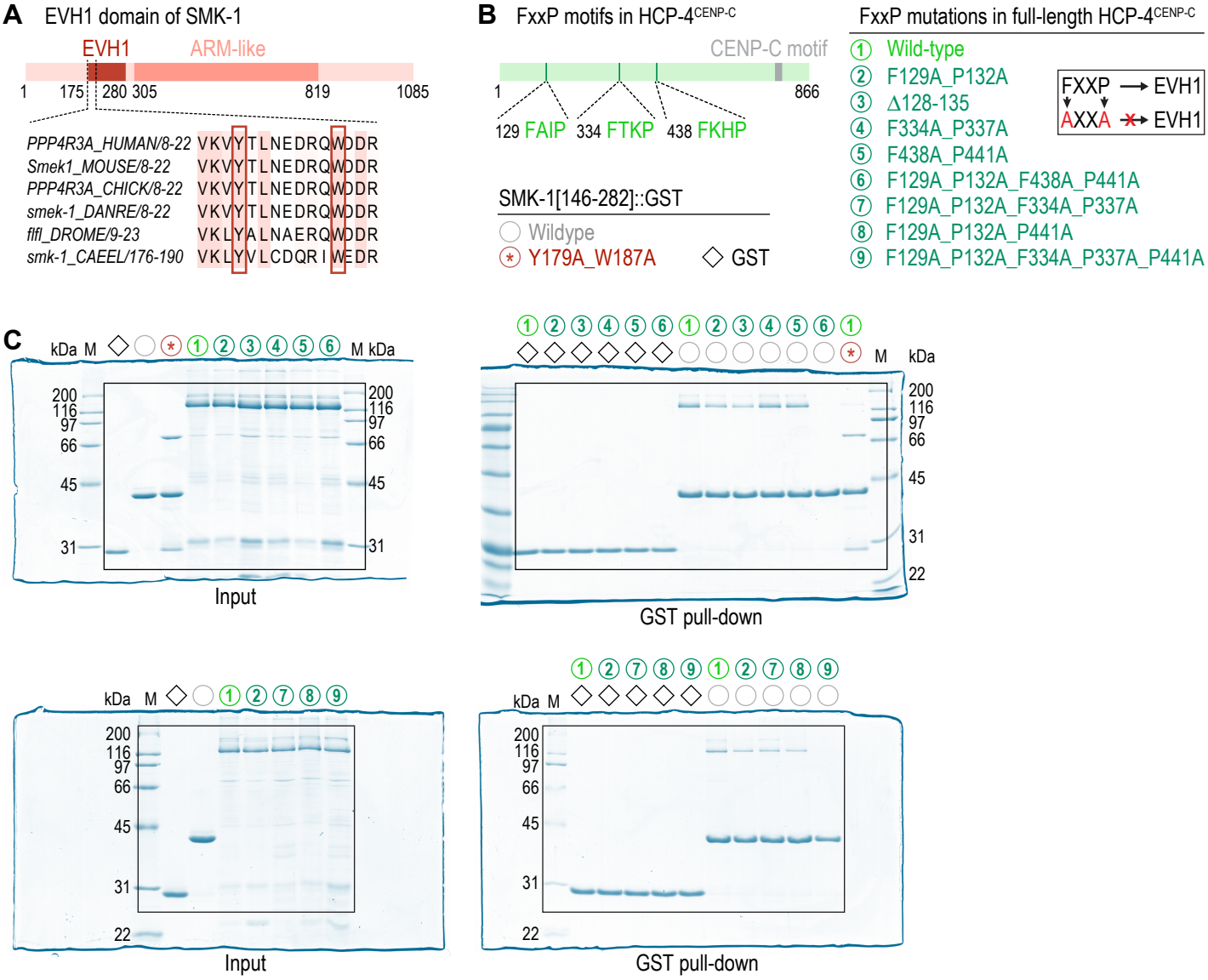
A
EVH1 domain of SMK-1
EVH1
ARM-like
1
175
280
305
819
1085
PPP4R3A_HUMAN/8-22 VKVYTLNEDRQWDDR
Smek1_MOUSE/8-22 VKVYTLNEDRQWDDR
PPP4R3A_CHICK/8-22 VKVYTLNEDRQWDDR
smek-1_DANRE/8-22 VKVYTLNEDRQWDDR
flfl_DROME/9-23 VKLYALNAERQWDDR
smk-1_CAEEL/176-190 VKLYVLCDQRIWEDR
B
FxxP motifs in HCP-4CENP-C
CENP-C motif
1
866
129 FAIP
334 FTKP
438 FKHP
SMK-1[146-282]::GST
Wildype
Y179A_W187A
GST
FxxP mutations in full-length HCP-4CENP-C
① Wild-type
② F129A_P132A
③ Δ128-135
④ F334A_P337A
⑤ F438A_P441A
⑥ F129A_P132A_F438A_P441A
⑦ F129A_P132A_F334A_P337A
⑧ F129A_P132A_P441A
⑨ F129A_P132A_F334A_P337A_P441A
FXXP → EVH1
AXXA ✗ EVH1
C
kDa M
M kDa
200
116
97
66
45
31
22
Input
GST pull-down