



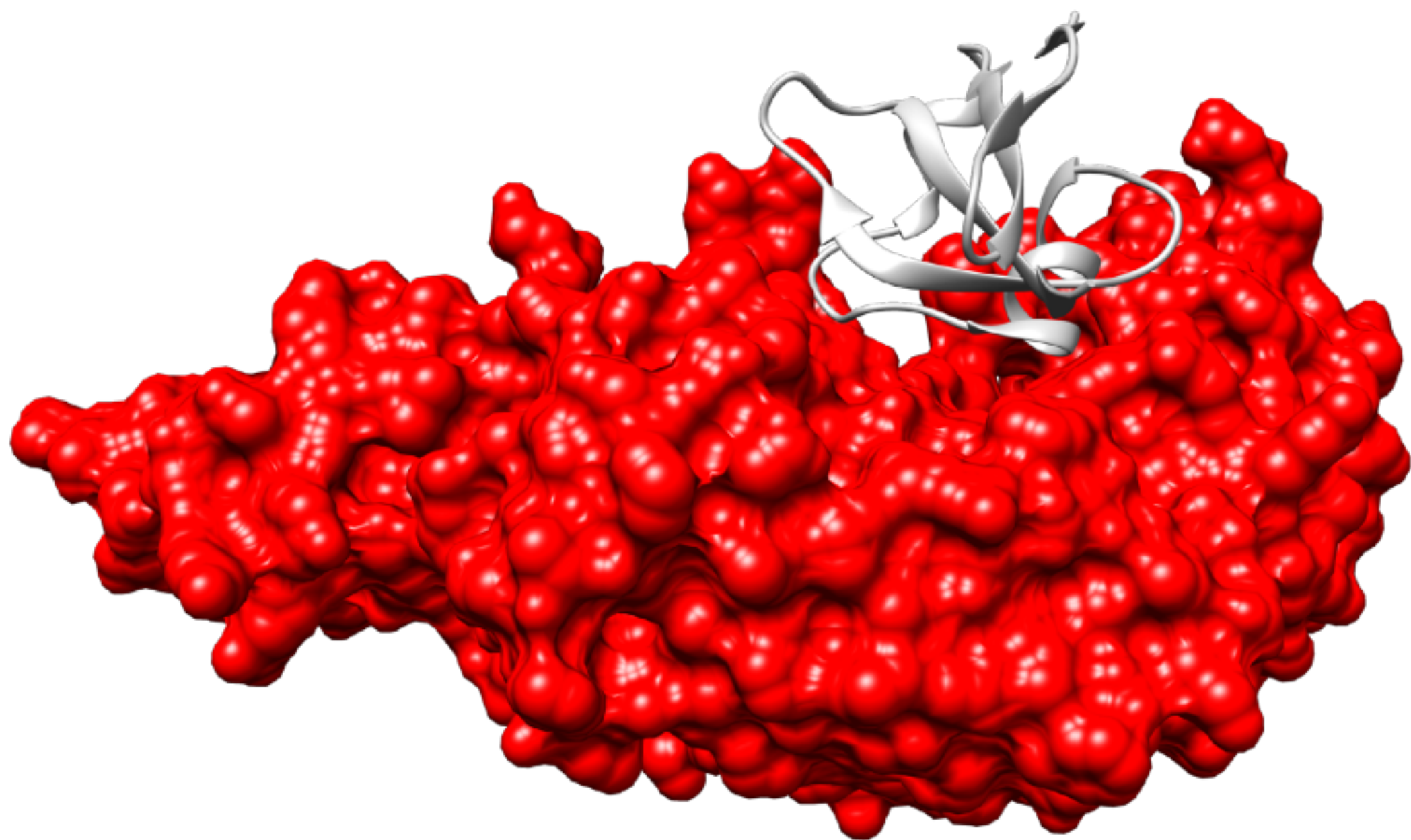
Background

Project Description

Results

Conclusion

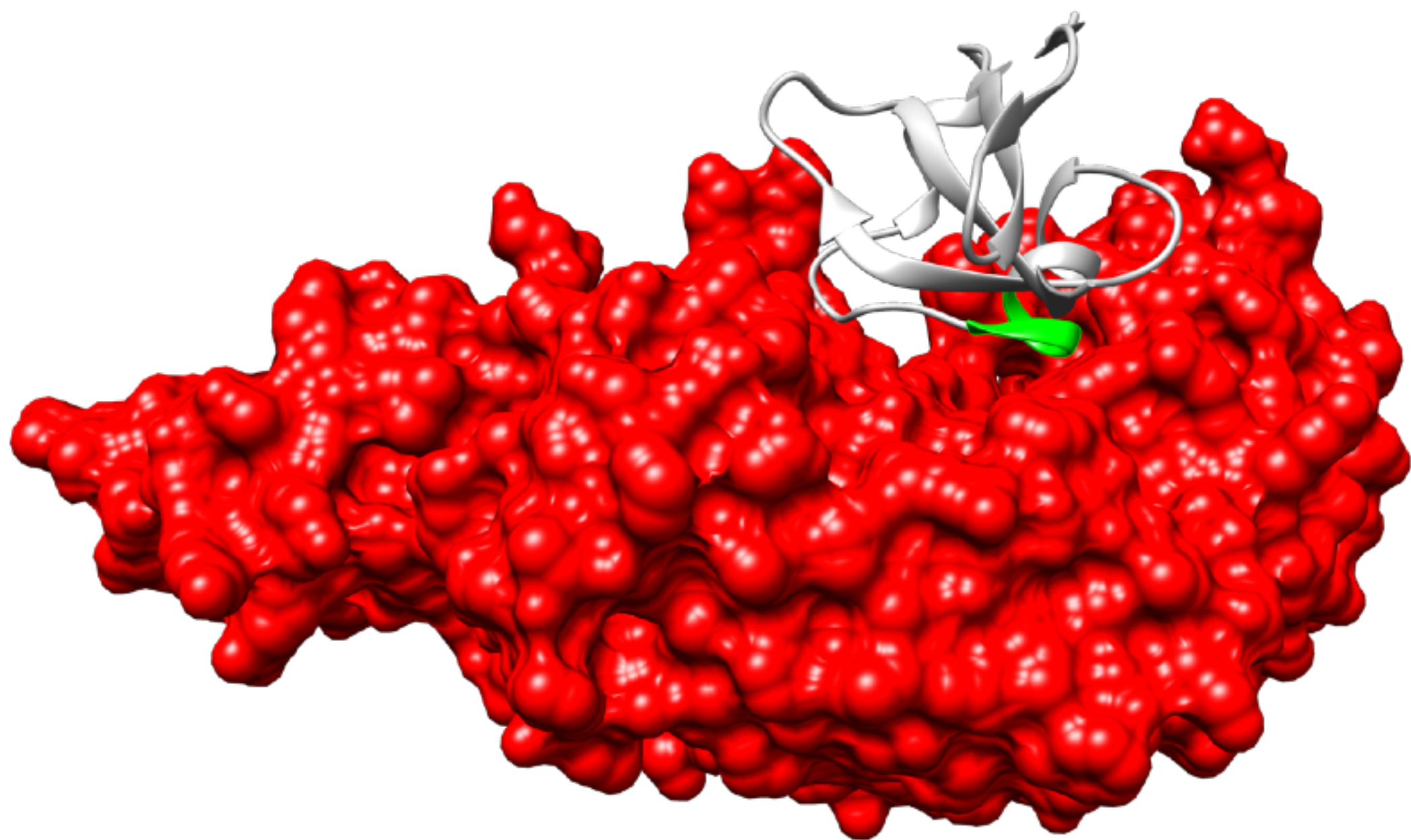
**SEE is necessary, but is it sufficient?**

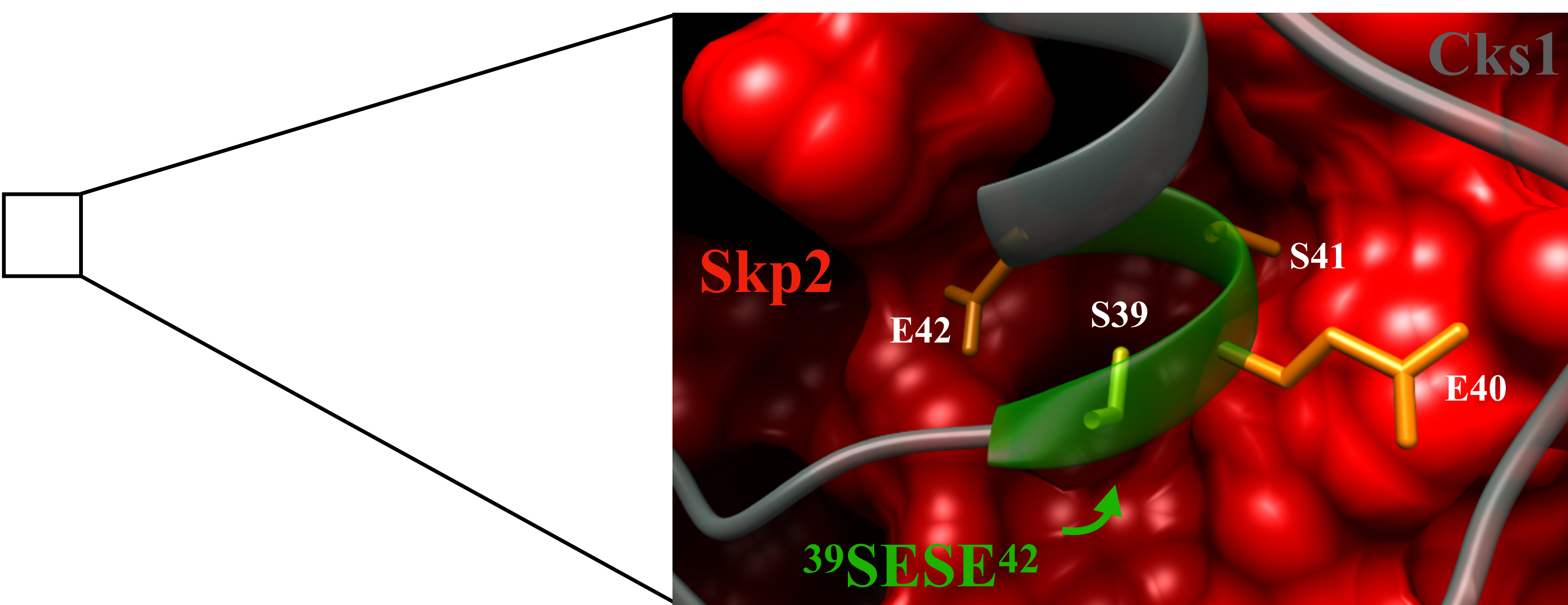


J. Gavenois et al., *Nat. Chem. Biol.* **10**, 716–722 (2014)

T. Siegert et al., *Methods Mol. Biol.* **1561**, 255-277 (2017)

B. Hal et al., *Mol. Cell* **20**, 9-19 (2005)





**Yellow:** residues contributing  $> 1$  kcal/mol binding energy

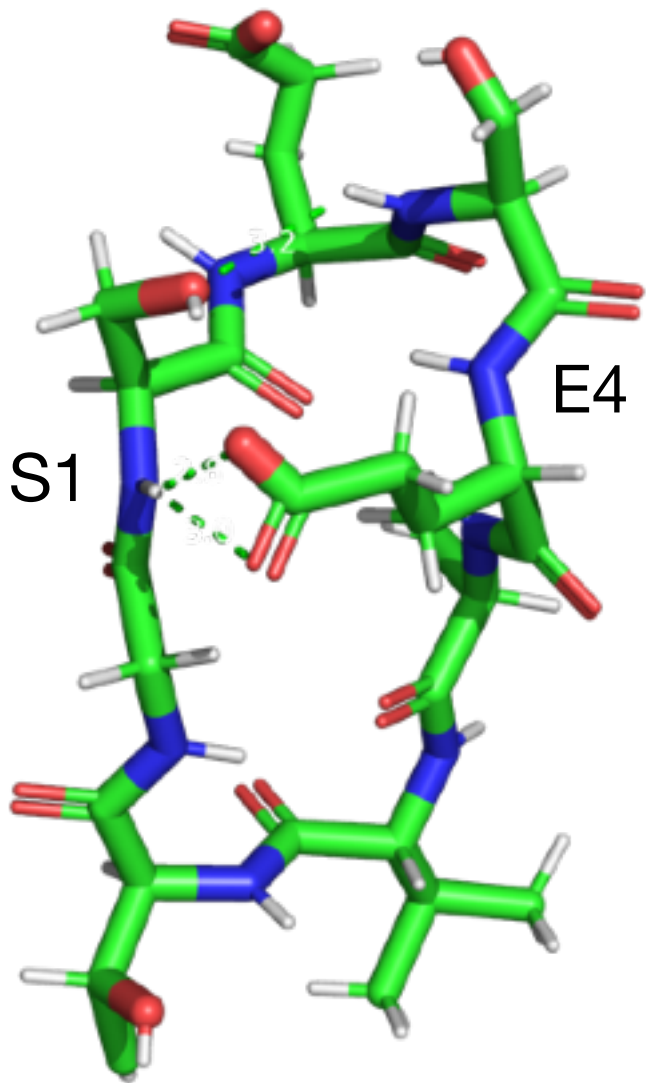
**Orange:** residues contributing  $> 2$  kcal/mol binding energy



**RED: 2ASIS**

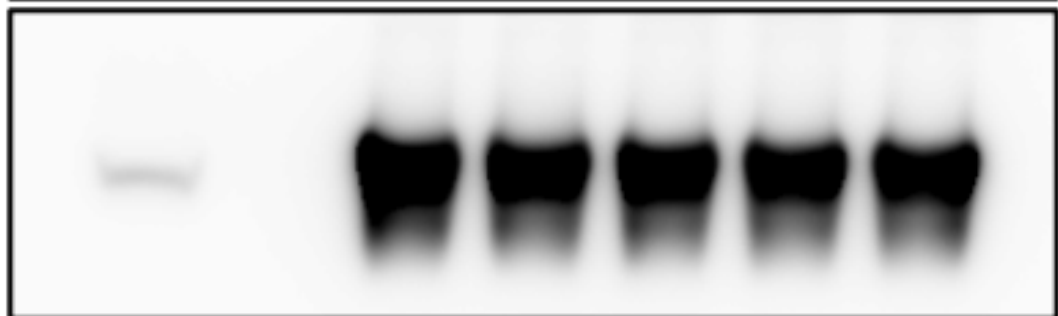
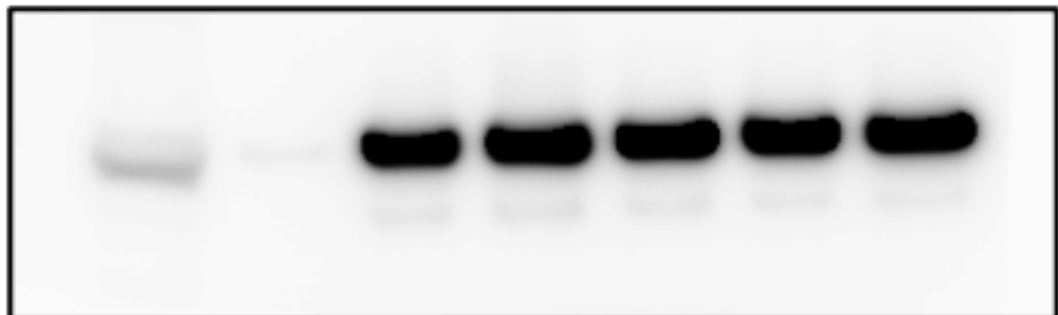
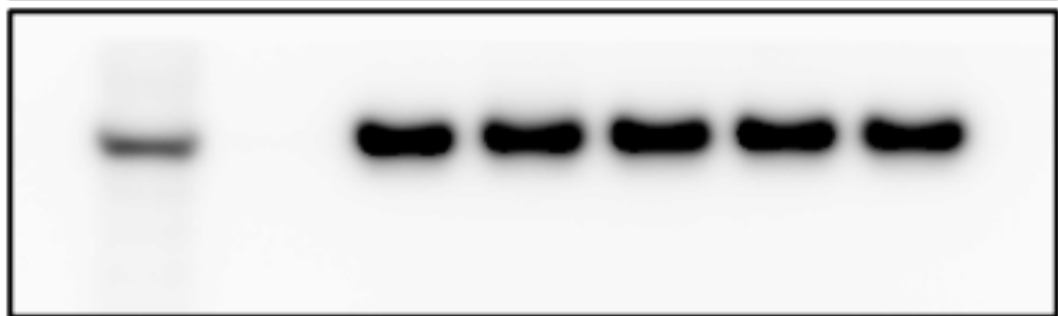
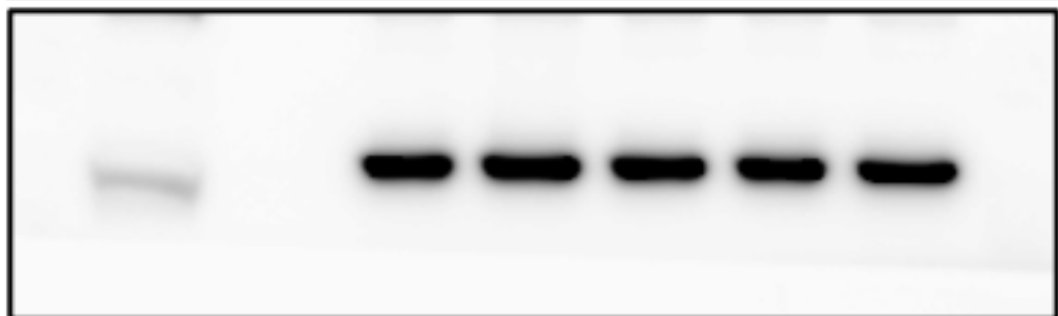
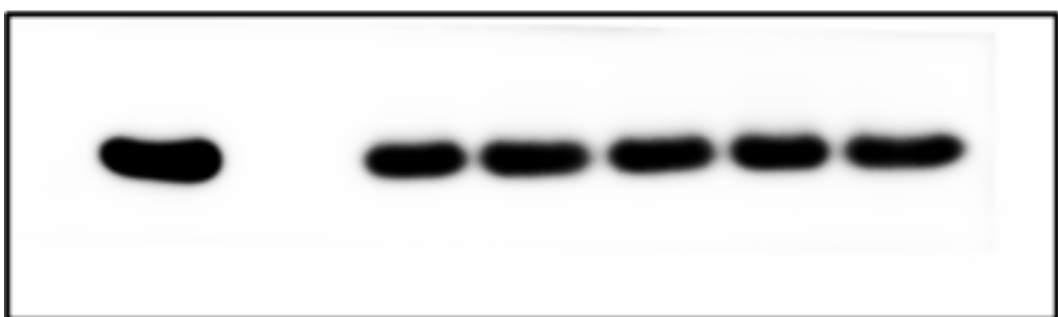
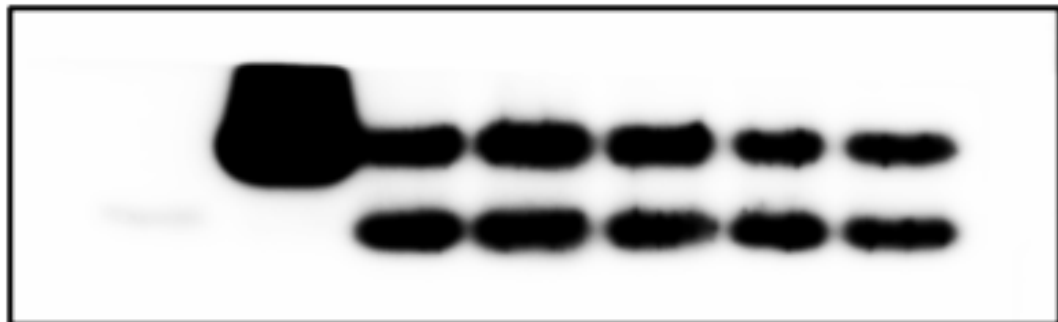
Skp2

CKS1



Does the *in-vitro* experiment

**tell the whole story?**



J. Gavenois et al., *Nat. Chem. Biol.* 10, 716–722 (2014)



T. Sievert et al., *Methods Mol. Biol.* 1561, 255-277 (2017)

B. Hal et al., Mol. Cell 20, 9-19 (2005)





**His-Crks**

Endogenous Clocks<sup>1</sup>

**FLGAS-kp2**

WCE



His-OR-Not

MSO



100M



↑

0

4

M

IR:FLAG-SKPR2

SEVENTH



SEVEN TWO





skp1

C

U

I

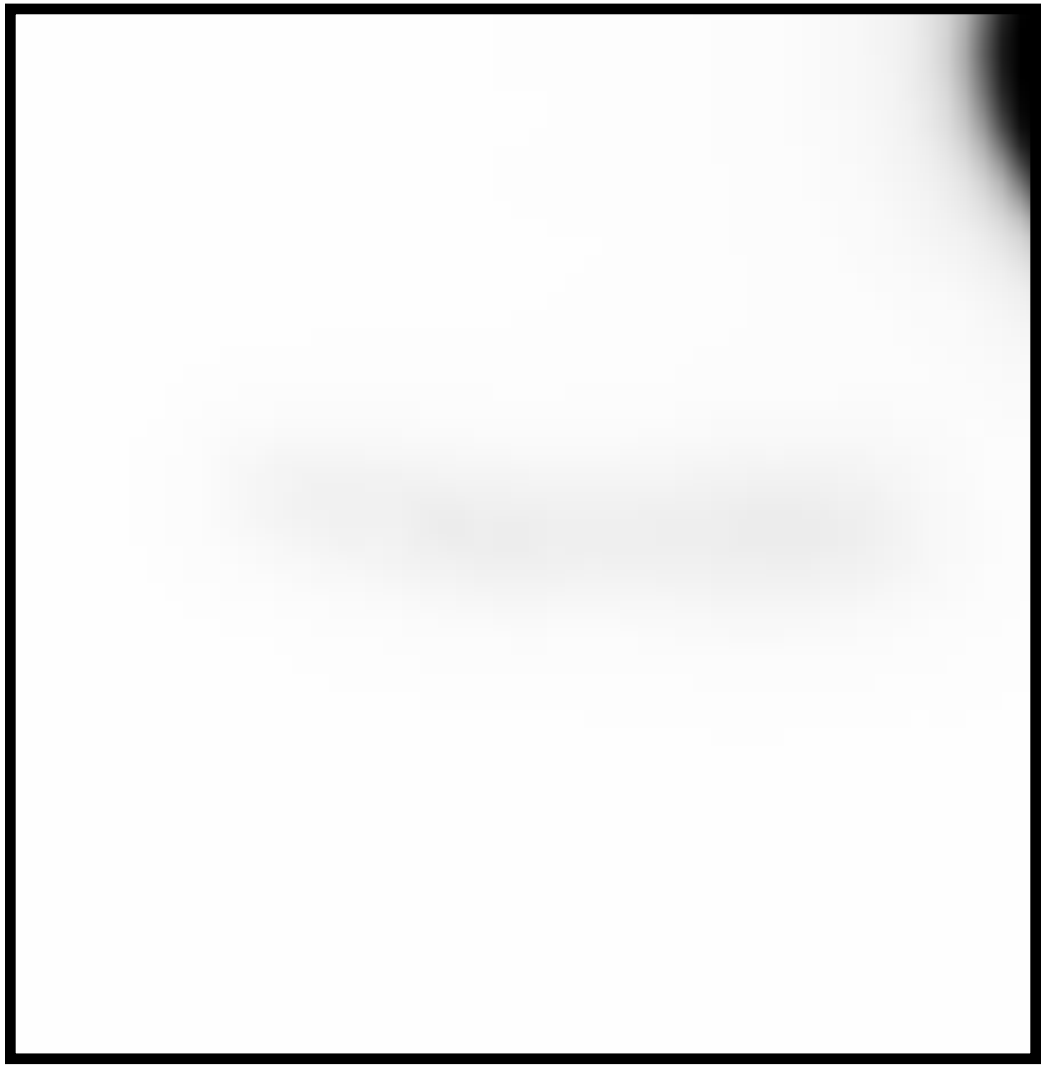
T

CDKR2

CyrcinA











• Skp2 was already pre-

already binds to Skp2?

endogenous clocks 1.

occupied with

• Can the inhibitor properly



functions when clocks