# **Supplementary information**

# The CRL5–SPSB3 ubiquitin ligase targets nuclear cGAS for degradation

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#### The CRL5<sup>SPSB3</sup> ubiquitin ligase targets nuclear cGAS for degradation

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Supplementary Figure 1 | Full scans for all immunoblots and Coomassie Blue stainings.

Supplementary Figure 2 | Flow cytometric gating strategy

i

j



# anti-cGAS





# Fig.2



С



# Fig.2

d

#### anti-k48Ubiquitin



е

f

i.





anti-cGAS



anti-SPSB3anti-cGASanti-SPSB3anti-cGAS1001001005570407040553555

anti-Ubiquitin



b

anti-cGAS



С



d





е



#### k

anti-cGASanti-SPSB3anti-Vinculinanti-H2B100<br/>70<br/>5540<br/>35180<br/>13015





(Endothelial cells) (THP-1 cells) (BJ fibroblast cells)



anti-Vinculin

(Endothelial cells) (THP-1\_cells) (BJ fibroblast cells)





f

g







anti-His-tag



С



# а





anti-SPSB3

anti-SPSB3



anti-GFP





anti-GFP



anti-Ubiquitin



е





anti-ISG15

anti-Vinculin









Supplementary Fig.2 I The flow cytometry gating strategy for quantification of GFP+ cells, related to Figure 4i, 4j and Extended Data Figure 11k, is shown.

Infected Hela cells gating strategy