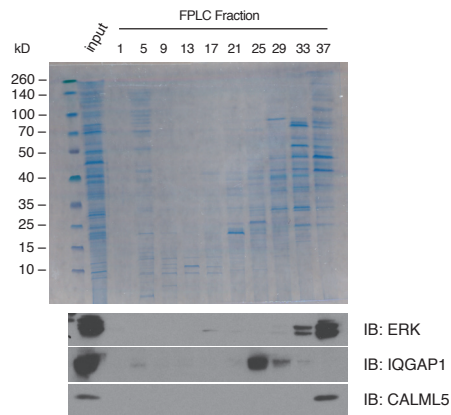
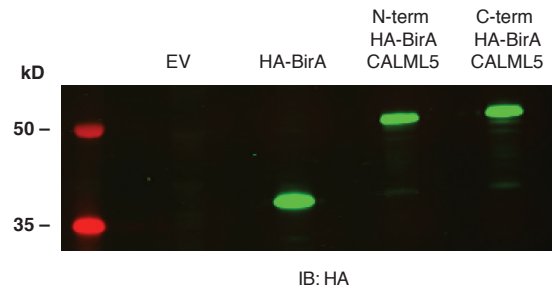


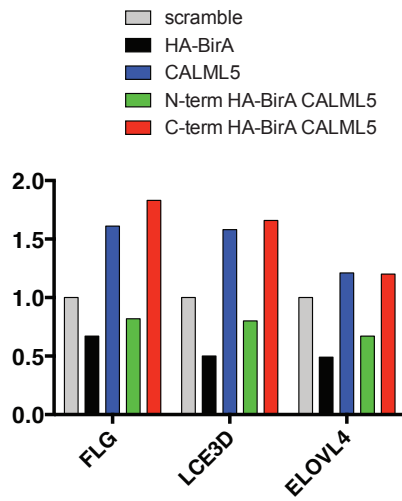
A Coomassie stain: Size fractionation of lysates from differentiated keratinocytes



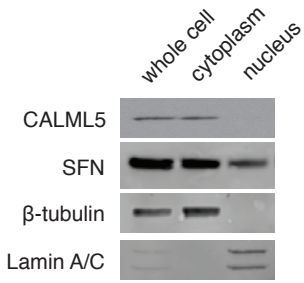
B Immunoblot: BirA proteins for BioID assay



C Rescue assay with BirA fusion protein

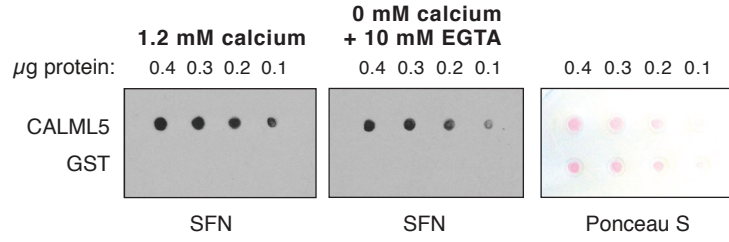


A Subcellular Fractionation and Immunoblot

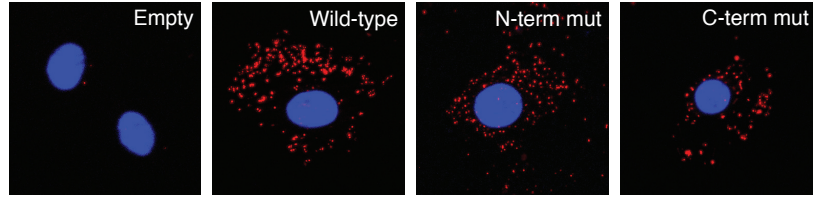


Differentiated Keratinocytes

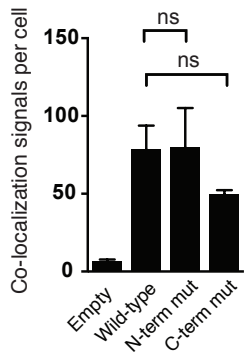
B Far Western Blot



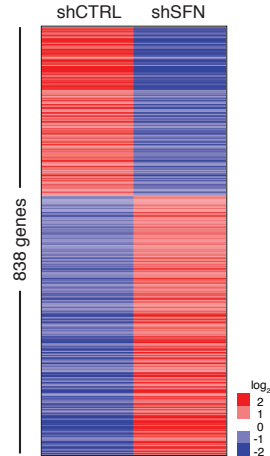
C Proximity Ligation Assay: CALML5 EF-Hand mutants and SFN



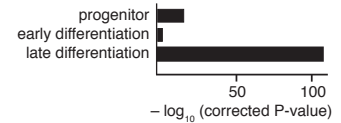
D PLA Quantitation



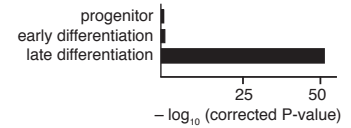
E Heatmap: SFN tissue depletion RNA-seq



F SFN-controlled genes Epidermal Differentiation Signature



G CALML5-SFN co-controlled genes Epidermal Differentiation Signature



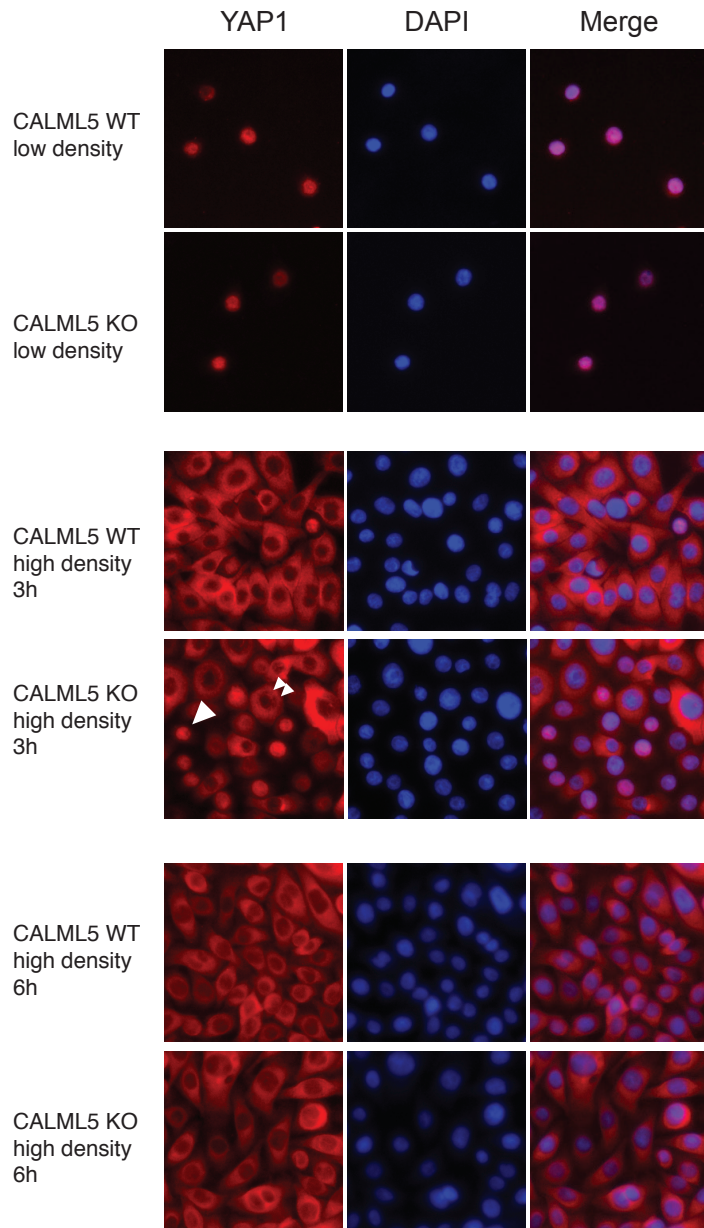
H

CALML5-SFN Co-Controlled Late Epidermal Differentiation Genes

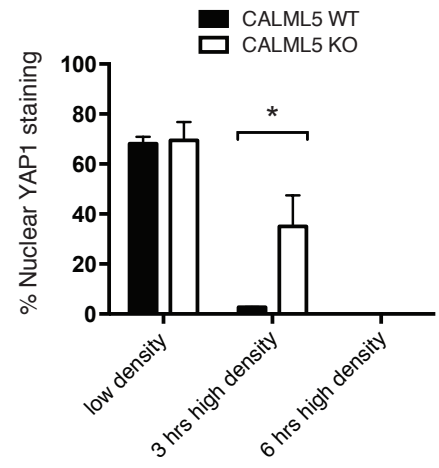
AADACL2	IMPA2
ALOX12B	IRX3
ANKRD35	KRT1
ARG1	KRT2
ASPRV1	KRT9
AZGP1	LCE1E
C5orf46	LCE2B
CASP14	LOR
CD36	LYNX1
CDSN	NFATC2
CKB	PLA2G3
CRISP3	PLXDC2
DAPL1	PNPLA1
DLX3	PSAPL1
ELMOD1	PSORS1C2
ENDOU	PTGER3
FAM3D	SERPINA12
FLG	SGPP2
FLG2	SLC46A2
FMO2	SLURP1
GBP2	SPINK7
GDA	SPRR3
GPX3	TGM5
H19	XKRX
IL1F10	ZNF662

A

Immunofluorescence of YAP1

**B**

Quantitation of YAP1 subcellular localization

**C**

SFN BioID/MS in differentiated keratinocytes

Gene	Spectral Counts		
	CTRL	SFN	SFN shCALML5
CSNK1A1	0	56	40
PHLDB2	0	27	80
PKP3	0	14	21
ZFP36L1	0	14	28
FABP5	0	14	3
EXPH5	0	12	6
ISCU	0	12	13
BAIAP2	0	11	32
ALDH1A3	0	11	0

D

SFN BioID/IP

