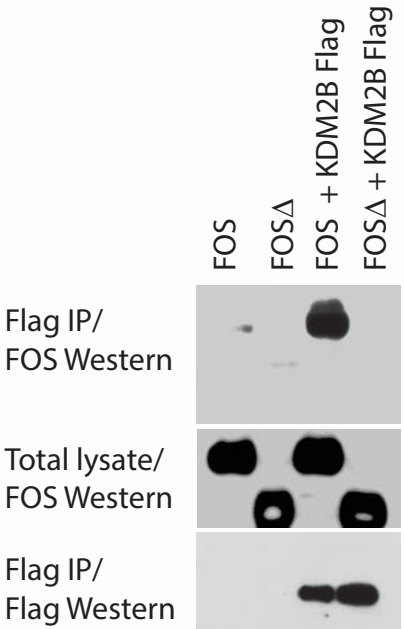
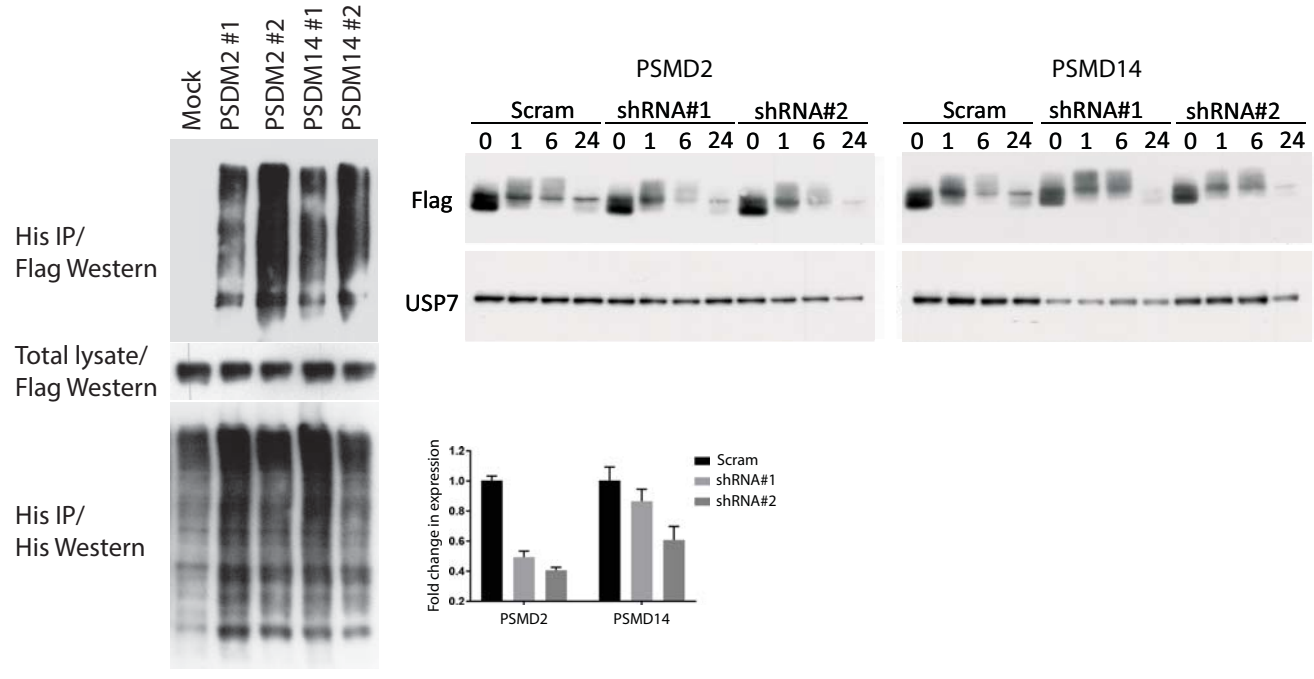
Supplementary Fig 1 JBC/2017/815845



Supplementary Fig 2 JBC/2017/815845



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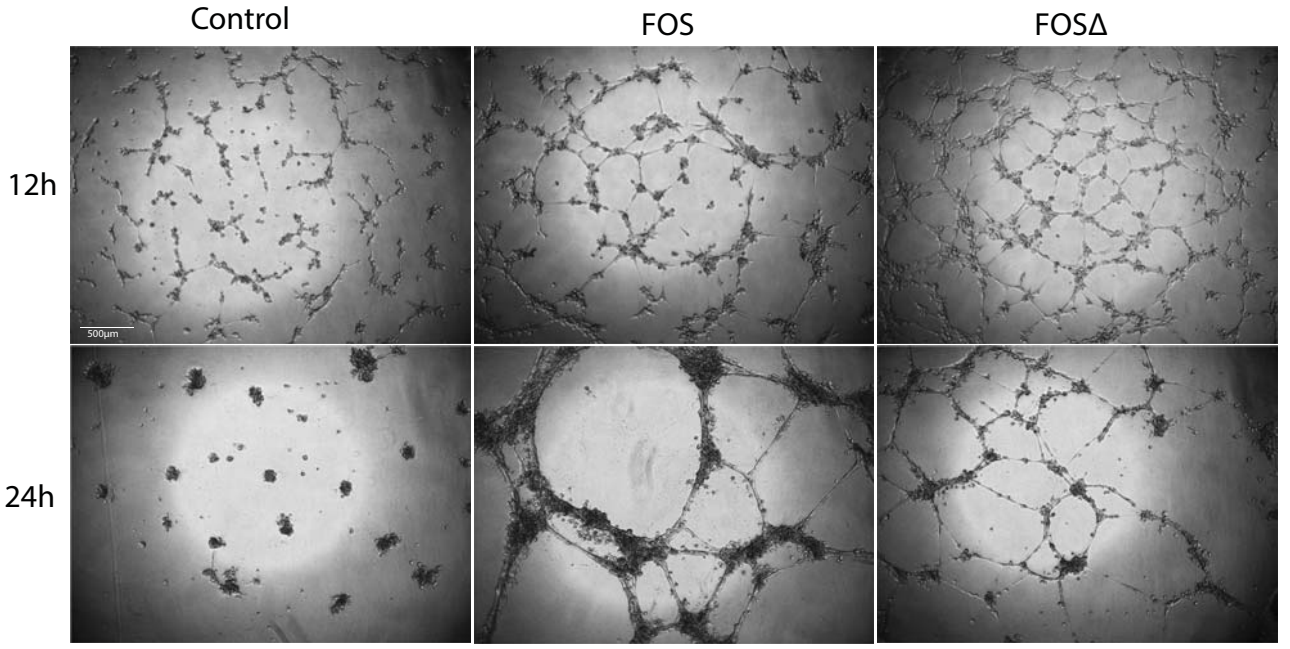

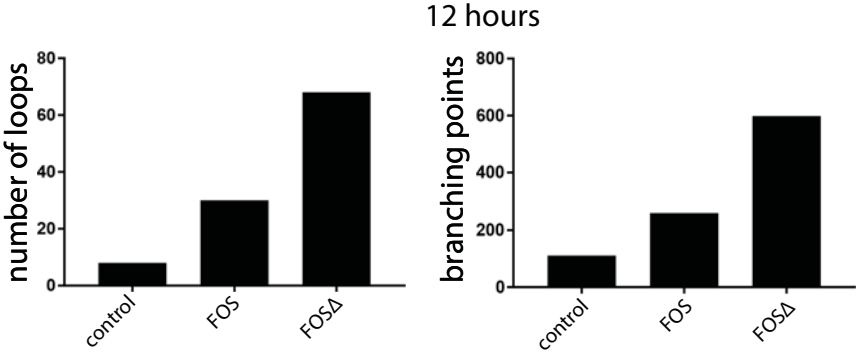

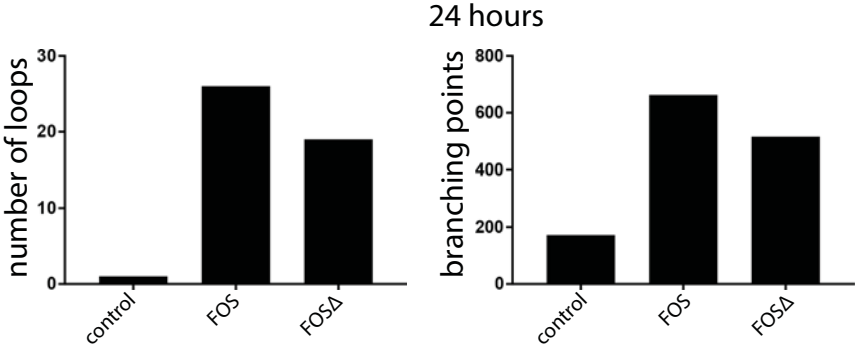

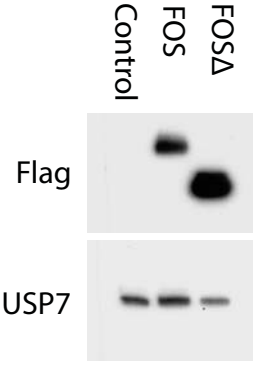

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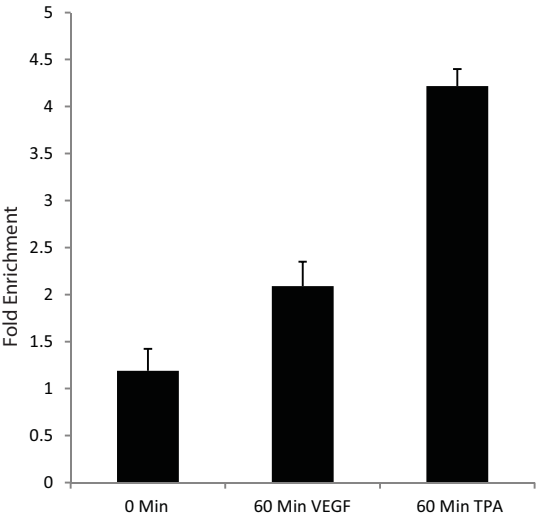

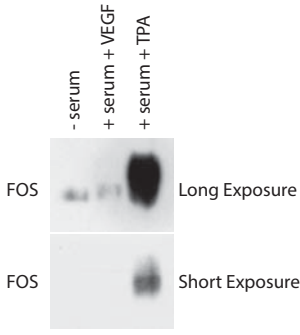

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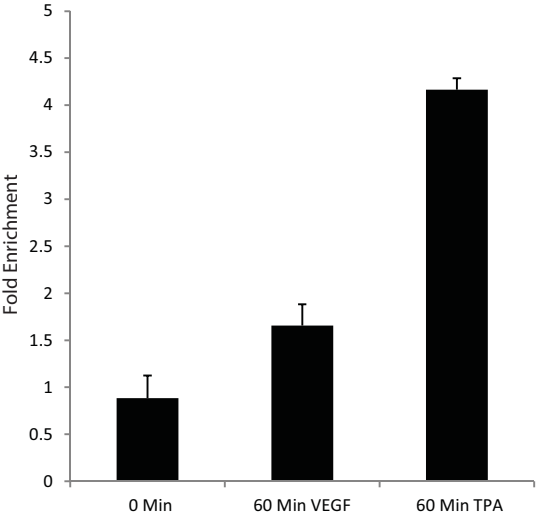

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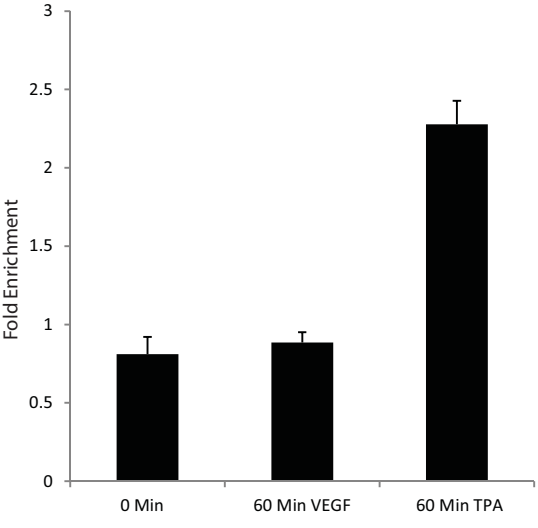
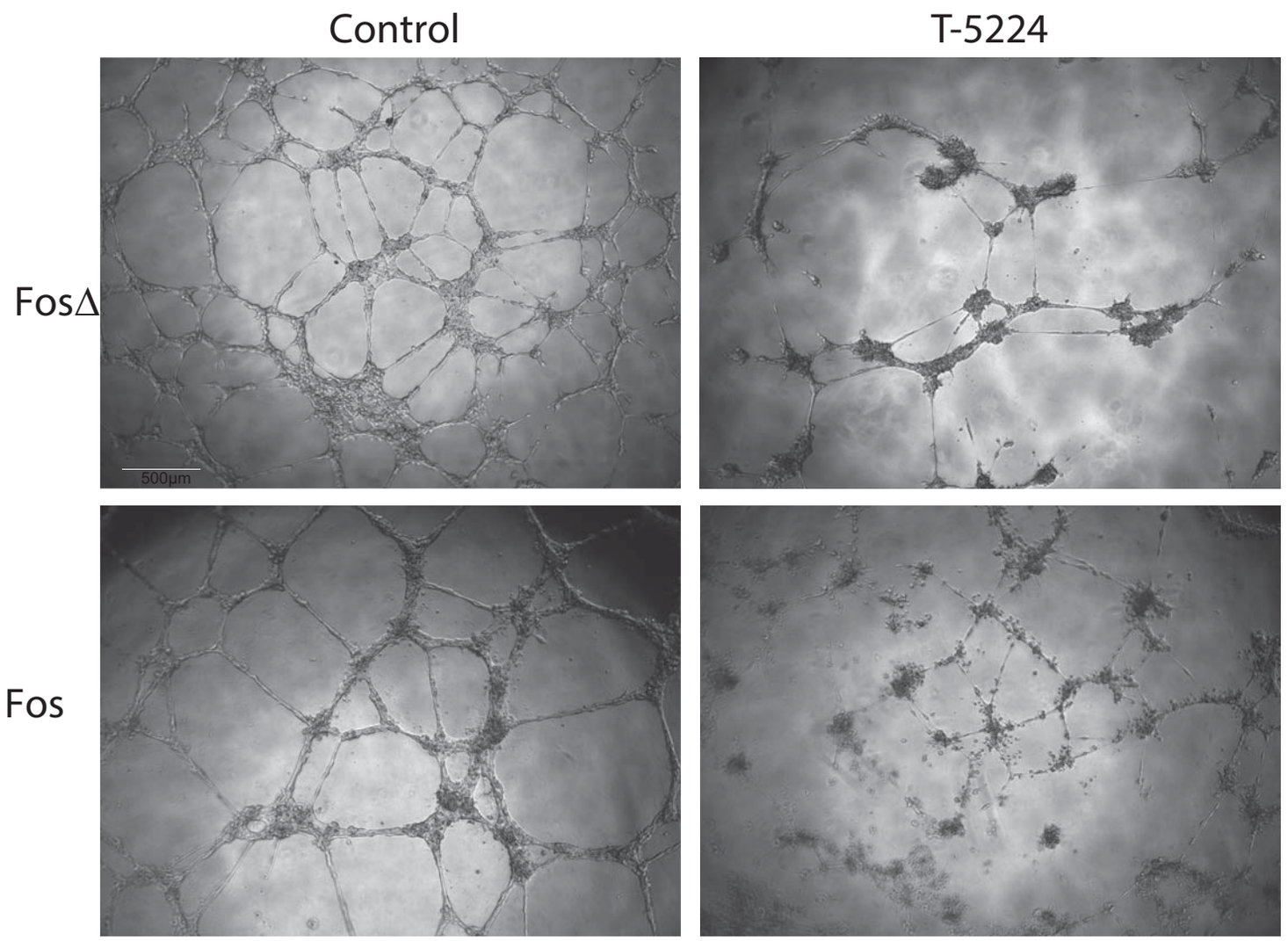
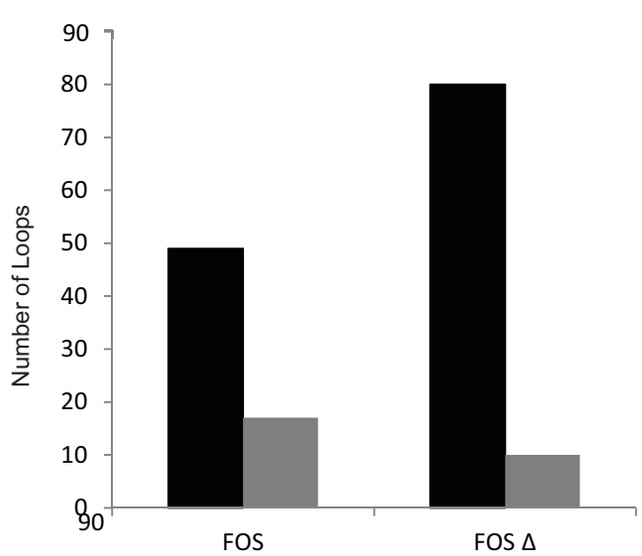
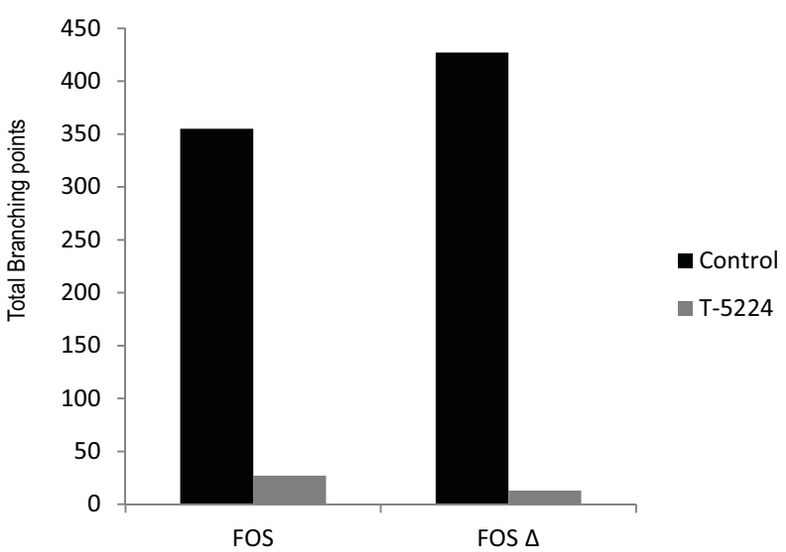
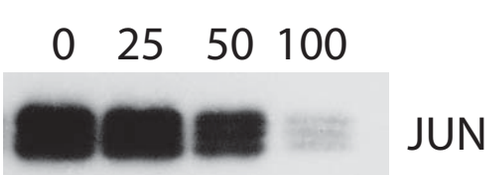


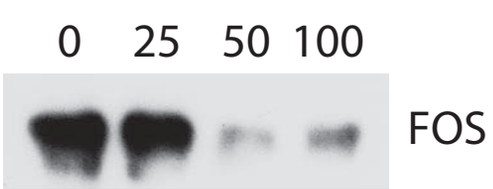
Supplementary Fig 5 JBC/2017/815845











Supplementary Figure 1
FOSΔ does not interact with the E3 ligase KDM2B. Complexes were immunopurified from cells transfected with the indicated constructs. Western blots were performed as shown.

Supplementary Figure 2
Left Panel: A representative ubiquitin assay of cells transfected with the indicated constructs and cultured in the absence of MG132. Two different shRNA probes per gene were used. Upper right panel: FOS stability assay. Bottom right panel: Stable knockdown of PSMD2 and PSMD14 in HUVECs was determined by qPCR.

Supplementary Figure 3
HLMVECs ectopically expressing wild type FOS or FOSΔ were grown on Matrigel. A representative of several independent experiments is shown. Sprouting was quantified after 24 and 48 hours using in-house computer software. FOS expression levels were determined by Western blotting.

Supplementary Figure 4
A ChIP analysis of endogenous FOS association with the indicated promoters in HUVECs treated with or without 50 ng/ml VEGF or 1 μM 12-O-Tetradecanoylphorbol-13-acetate (TPA) for 1 hour. Three different primer sets were used for each promoter region. A single representative is shown (all three gave similar results). Results are presented as mean fold changes in recovery (as a fraction of input) relative to an IgG control antibody. Error bars represent the standard deviation (n = 3). Relative endogenous FOS protein levels were determined by Western blotting.

Supplementary Figure 5
HUVECs stably expressing the indicated FOS proteins were grown on Matrigel in the presence or absence of the AP-1 inhibitor, T5224 (20 μM). Sprouting was quantified after 24 hours. Lower right panel: T-5224 inhibits AP-1 DNA-binding *in vitro*. A double-stranded oligonucleotide harbouring three consensus AP-1 binding sites was incubated with a combination of FOS and JUN *in vitro* translated proteins in the presence or absence of the indicated concentrations of T-554 (μM). DNA-bound FOS and JUN was detected by Western blotting.