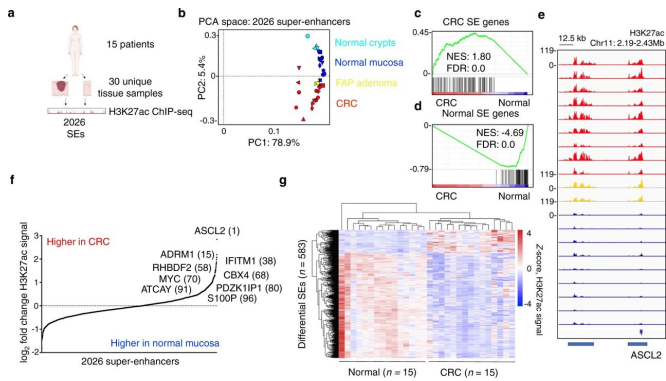


Study identifies new gene that drives colon cancer

17 October 2022



Recurrently dysregulated super-enhancers in CRC patients. **a** Study overview. Figure adapted from SMART Servier Medical Art, reproduced with permission, licensed under a Creative Commons Attribution 3.0 unported license. **b** PCA of H3K27ac signal at 2026 SEs in CRC ($n = 15$ independent tissue samples), normal mucosa ($n = 15$), crypts ($n = 4$), and FAP adenomas ($n = 2$). **c, d** GSEA between SE proximal genes and differentially expressed genes between CRC and normal. **e** H3K27ac ChIP-seq track near *ASCL2*. Two proximal SEs are underlined. The y-axes of all ChIP-seq tracks are scaled the same. **f** 2026 SEs by log₂ fold change in H3K27ac signal with 12 candidate SE target genes based on overlap of ranking and recurrence annotated. **g** Heatmap of H3K27ac signal at 583 differentially expressed SEs (P

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