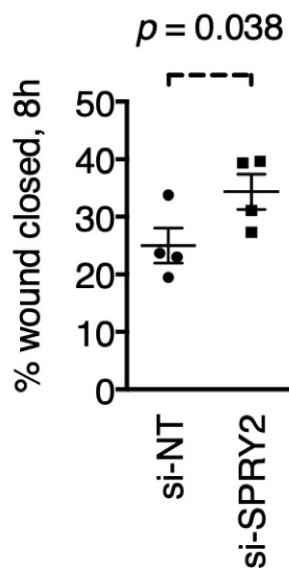


Supplementary Figure 1. *Spry2* knockdown in cultured mouse colonocytes enhances wound restitution.



Mouse young adult mouse colon epithelial cells (YAMC cell line) were transfected with non-targeting (NT) siRNA or siRNA targeting *Spry2* (Dharmacon). 48 h later, confluent monolayers were wounded with a rotating silicone tip, and wound closure over time was tracked by time-lapse photography. $n=4$ independent experiments. Data are presented as mean $\pm$ SEM. Analyzed by two-sided t-test.

Supplementary Table 1

Patients	Avg. age (years)	Male (%)	Female (%)
Non-IBD	12.3 ± 5.049	51.9	48.1
UC	13.1 ± 4.998	37.5	62.5
CD	16.7 ± 2.875	66.7	33.3

Supplementary Table 2

Taqman qPCR probes used in paper			
Manufacturer	Gene name	Species	Probe ID
Invitrogen	<i>Aqp8</i>	Mouse	Mm00431846_m1
Invitrogen	<i>Bmi1</i>	Mouse	Mm03053308_g1
Invitrogen	<i>Car2</i>	Mouse	Mm00501576_m1
Invitrogen	<i>Cdh1</i>	Mouse	Mm01247357_m1
Invitrogen	<i>Chga</i>	Mouse	Mm00514341_m1
Invitrogen	<i>Cxcl2</i>	Mouse	Mm00436450_m1
Invitrogen	<i>Cxcl2</i>	Rat	Rn00586403_m1
Invitrogen	<i>Dclk1</i>	Mouse	Mm00444950_m1
Invitrogen	<i>Hprt</i>	Mouse	Mm03024075_m1
Invitrogen	<i>Hprt</i>	Rat	Rn01527840_m1
Invitrogen	<i>HPRT</i>	Human	Hs02800695_m1
Invitrogen	<i>Il10</i>	Mouse	Mm01288386_m1
Invitrogen	<i>Il1b</i>	Mouse	Mm00434228_m1
Invitrogen	<i>Il25</i>	Mouse	Mm00499822_m1
Invitrogen	<i>Il33</i>	Mouse	Mm00505403_m1
Invitrogen	<i>Il33</i>	Rat	Rn01759835_m1
Invitrogen	<i>IL33</i>	Human	Hs04931857_m1
Invitrogen	<i>Lgr5</i>	Mouse	Mm00438890_m1
Invitrogen	<i>Lrig1</i>	Mouse	Mm00456116_m1
Invitrogen	<i>Muc2</i>	Mouse	Mm01276696_m1
Invitrogen	<i>Pou2f3</i>	Mouse	Mm00478293_m1
Invitrogen	<i>Spry2</i>	Mouse	Mm00442344_m1
Invitrogen	<i>SPRY2</i>	Human	Hs01921749_s1
Invitrogen	<i>Tff3</i>	Mouse	Mm00495590_m1
Invitrogen	<i>Tgfb</i>	Mouse	Mm01178820_m1
Invitrogen	<i>Tnf</i>	Mouse	Mm00443258_m1
Invitrogen	<i>Trpm5</i>	Mouse	Mm01129032_m1