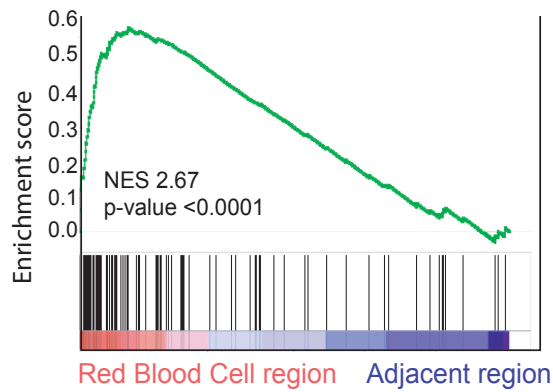
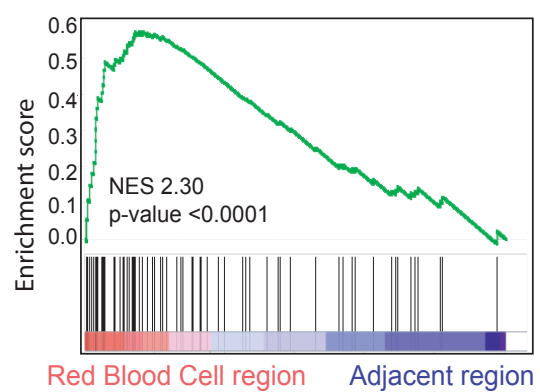


## GO\_ENDOTHELIUM\_DEVELOPMENT



## GO\_ERYTHROCYTE\_HOMEOSTASIS



HALLMARK UP in Red-Blood Cells regions	ES	NES	NOM p-val	FDR q-val	FWER p-val
HALLMARK_EPITHELIAL_MESENCHYMAL_TRANSITION	0.6639565	3.1670182	0.0	0.0	0.0
HALLMARK_UV_RESPONSE_DN	0.6512214	3.012242	0.0	0.0	0.0
HALLMARK_HYPOXIA	0.6186533	2.9924495	0.0	0.0	0.0
HALLMARK_MITOTIC_SPINDLE	0.59132284	2.8535912	0.0	0.0	0.0
HALLMARK_KRAS_SIGNALING_UP	0.5668419	2.7204072	0.0	0.0	0.0
HALLMARK_TNFA_SIGNALING_VIA_NFKB	0.55479527	2.680036	0.0	0.0	0.0
HALLMARK_APOPTOSIS	0.55303276	2.6274893	0.0	0.0	0.0
HALLMARK_APICAL_JUNCTION	0.5446991	2.604809	0.0	0.0	0.0
<b>HALLMARK_ANGIOGENESIS</b>	0.71163845	<b>2.5649526</b>	0.0	0.0	0.0
HALLMARK_HEDGEHOG_SIGNALING	0.7251374	2.5461335	0.0	0.0	0.0
HALLMARK_IL6_JAK_STAT3_SIGNALING	0.58842963	2.5292919	0.0	0.0	0.0
HALLMARK_TGF_BETA_SIGNALING	0.6447446	2.5034444	0.0	0.0	0.0
HALLMARK_INFLAMMATORY_RESPONSE	0.52055204	2.491655	0.0	0.0	0.0
HALLMARK_IL2_STAT5_SIGNALING	0.5074148	2.4824617	0.0	0.0	0.0
<b>HALLMARK_WNT_BETA_CATENIN_SIGNALING</b>	0.6606939	<b>2.4021647</b>	0.0	0.0	0.0
HALLMARK_G2M_CHECKPOINT	0.48979887	2.3374486	0.0	0.0	0.0
HALLMARK_COMPLEMENT	0.46746165	2.244619	0.0	0.0	0.0
HALLMARK_ALLOGRAFT_REJECTION	0.44564682	2.155567	0.0	0.0	0.0
HALLMARK_NOTCH_SIGNALING	0.55996865	1.9037458	0.0	0.0	0.0
HALLMARK_P53_PATHWAY	0.38902906	1.8674575	0.0	1.5E-4	0.001
HALLMARK_PROTEIN_SECRETION	0.42872855	1.8476093	0.0	1.4285714E-4	0.001
HALLMARK_APICAL_SURFACE	0.4894085	1.8031044	0.0033333334	6.209415E-4	0.004
HALLMARK_MYOGENESIS	0.36306673	1.7582084	0.0	0.001129307	0.009
HALLMARK_INTERFERON_GAMMA_RESPONSE	0.35427076	1.6743121	0.0	0.0026467869	0.021
HALLMARK_E2F_TARGETS	0.34658998	1.6523538	0.0	0.003356201	0.026
HALLMARK_COAGULATION	0.35150105	1.6117672	0.0	0.005700038	0.044
HALLMARK_ESTROGEN_RESPONSE_EARLY	0.3343408	1.5874816	0.0	0.008059046	0.062
HALLMARK_ANDROGEN_RESPONSE	0.3552603	1.5586816	0.0037453184	0.009816989	0.075
HALLMARK_GLYCOLYSIS	0.30766937	1.4816154	0.005	0.015494478	0.117

HALLMARK DOWN in Red-Blood Cells regions	ES	NES	NOM p-val	FDR q-val	FWER p-val
HALLMARK_BILE_ACID_METABOLISM	-0.64162886	-2.568872	0.0	0.0	0.0
HALLMARK_OXIDATIVE_PHOSPHORYLATION	-0.5970052	-2.5572693	0.0	0.0	0.0
HALLMARK_FATTY_ACID_METABOLISM	-0.59398675	-2.4620473	0.0	0.0	0.0
HALLMARK_XENOBIOTIC_METABOLISM	-0.51525337	-2.1865377	0.0	0.0	0.0
HALLMARK_ADIPOGENESIS	-0.41381854	-1.7683779	0.0	8.661275E-4	0.015
HALLMARK_PEROXISOME	-0.4109769	-1.6020246	0.0	0.0048047835	0.097

**Figure 2-figure Supplement 1: Transcriptional signatures in [Apc-Arid1a]<sup>ko-focal</sup> mice**