

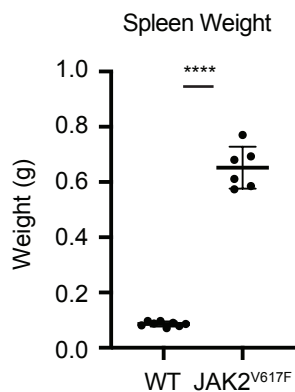
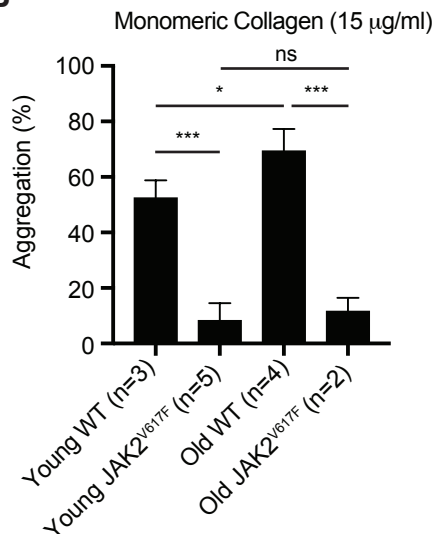
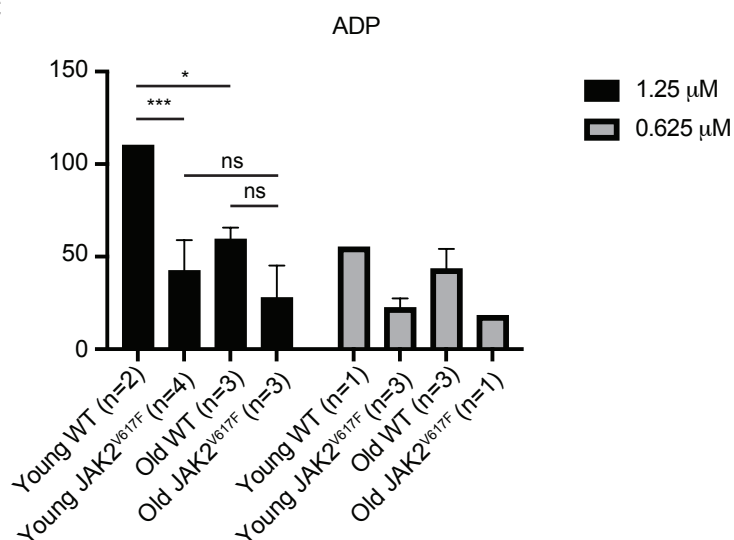
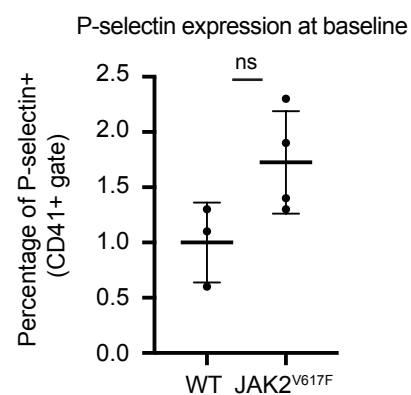
SUPPLEMENTAL MATERIALS

Platelet Dysfunction and Thrombosis in JAK2^{V617F}-Mutated Primary Myelofibrotic Mice

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Supplemental Figure I. (A) Spleen weight. Data represent WT ($n = 8$) and JAK2^{V617F} ($n = 6$) 34 weeks old males. (B) and (C) Aggregation of washed platelets to monomeric collagen (B) and ADP (C) from 11 weeks old (Young) and 37 to 40 weeks old (Old) male WT and JAK2^{V617F} mice are shown. The number of animals in each group is indicated in the figure. Statistical analysis was not performed for 0.625 μM ADP due to insufficient sample number in some groups. (D) P-selectin expression in washed platelets at baseline. Data represent WT ($n = 3$) and JAK2^{V617F} ($n = 4$) 10 weeks old females. Data are from the same experiment shown in Figure 3B. ns = not significant, * $p < 0.05$, *** $p < 0.001$, **** $p < 0.0001$.

Major Resources Table

In order to allow validation and replication of experiments, all essential research materials listed in the Methods should be included in the Major Resources Table below. Authors are encouraged to use public repositories for protocols, data, code, and other materials and provide persistent identifiers and/or links to repositories when available. Authors may add or delete rows as needed.

Animals (in vivo studies)

Species	Vendor or Source	Background Strain	Sex	Persistent ID / URL
<i>Mus musculus</i>	The Jackson Laboratory	C57BL/6J	Male and female	https://www.jax.org/strain/000664

Genetically Modified Animals

Species	Vendor or Source	Background Strain	Other Information	Sex	Persistent ID / URL
<i>Mus musculus</i>	Gift of Dr. Zhizhuang Joe Zhao (University of Oklahoma)	C57BL/6XDBA/2 x C57BL/6	Transgene: Tg(Vav1-JAK2*V617F)AZjz, Location: unknown	Male and female	Tg(Vav1-JAK2*V617F)AZjz/MGI:5441310/ http://www.informatics.jax.org/allele/MGI:5441310

Antibodies

Target antigen	Vendor or Source	Catalog #	Working concentration	Lot # (preferred but not required)	Persistent ID / URL
Dylight 649-labeled anti-GPIb α antibody (CD42b)	Emfret Analytics	M040-3	<u>(0.1μg/g)</u>		https://www.emfret.com/index.php?id=shop&no_cache=1&tx_feproducts_pi1%5Ba%5D=details&tx_feproducts_pi1%5BCatNo%5D=M040-3&cHash=6b06abb0b4394bc4b597fca00d4ed04c
Dylight 488-labeled anti-fibrin antibody (59D8)	Millipore Sigma, in-house conjugation	MABS2155-25UG	<u>(0.1μg/g)</u>		https://www.emdmillipore.com/US/en/product/Anti-Fibrin-Antibody-clone-59D8,MM_NF-MABS2155-25UG
FITC conjugated rat anti-mouse GPVI	Emfret Analytics	M011-1	1:100 <u>(antibody concentration not provided by manufacturer)</u>	0111-C	https://www.emfret.com/index.php?id=shop&no_cache=1&tx_feproducts_pi1%5Ba%5D=details&tx_feproducts_pi1%5BCatNo%5D=M011-1&cHash=60b1ac28e94cb34d1ee7480f39485661
Anti-mouse CD49b FITC	eBioscience	11-0491-82	1:100 (<u>5μg/ml</u>)	2030279	https://www.thermofisher.com/anti

DOI [to be added]

(integrin subunit α 2)					body/product/CD49b-Integrin-alpha-2-Antibody-clone-HMa2-Monoclonal/11-0491-82
Alexa Fluor 647 Hamster Anti-Rat CD29 (integrin subunit β 1)	BD Pharmingen	562153	1:200 (<u>1μg/ml</u>)	7242661	https://www.bdbiosciences.com/eu/reagents/research/antibodies-buffers/immunology-reagents/anti-rat-antibodies/cell-surface-antigens/alex-fluor-647-hamster-anti-rat-cd29-ha25/p/562153
PE Rat Anti-mouse CD41a	eBioscience	12-0411-83	1:200 (<u>1μg/ml</u>)	4344262	https://www.thermofisher.com/antibody/product/CD41a-Antibody-clone-eBioMWRReg30-MWRReg30-Monoclonal/12-0411-82
FITC Rat anti-mouse CD62p (p-selectin)	BD Pharmingen	553744	1:100 (<u>5μg/ml</u>)	76900	https://www.bdbiosciences.com/us/applications/research/t-cell-immunology/regulatory-t-cells/surface-markers/mouse/fits-rat-anti-mouse-cd62p-rb4034/p/553744
APC Rat anti-mouse CD41a	eBioscience	17-0411-82	1:100 (<u>2μg/ml</u>)	1995462	https://www.thermofisher.com/antibody/product/CD41a-Antibody-clone-eBioMWRReg30-MWRReg30-Monoclonal/17-0411-82