

# **Citalopram inhibits platelet function independently of SERT-mediated 5-HT transport**

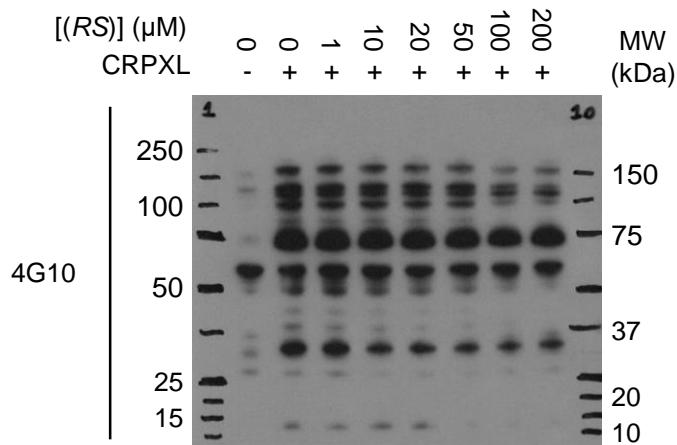
Harvey G. Roweth<sup>1</sup>, Ruoling Yan<sup>1</sup>, Nader H. Bedwani<sup>1</sup>, Alisha Chauhan<sup>1</sup>, Nicole Fowler<sup>1</sup>, Alice H. Watson<sup>1</sup>, Jean-Daniel Malcor<sup>2</sup>, Stewart O. Sage<sup>1</sup> and \*Gavin E. Jarvis<sup>1</sup>

**Supplementary data showing western blot films  
generated during the study**

# Supplementary Figure S1

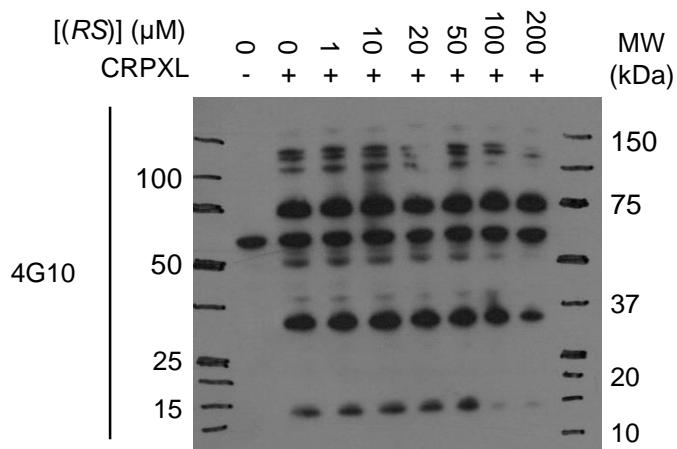
## Donor: A

\* Blot ID: HGR\_039



## Donor: F

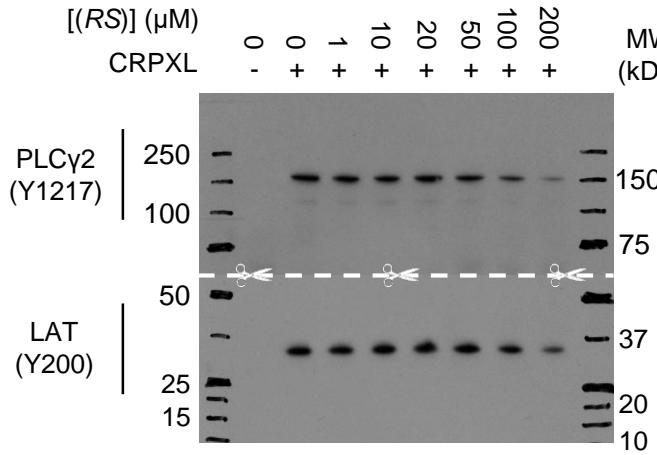
Blot ID: HGR\_020



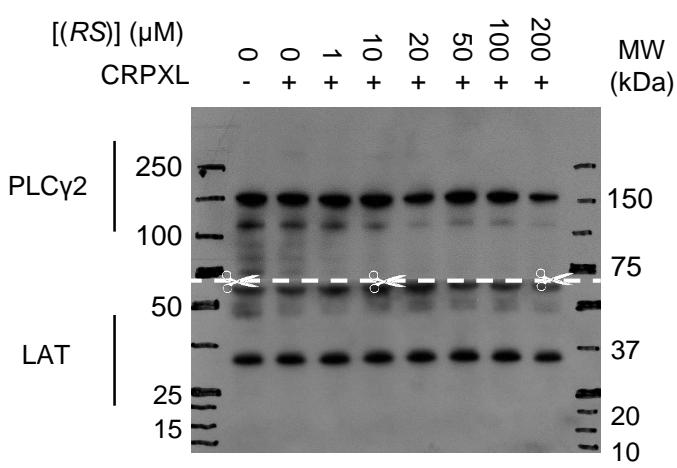
## Supplementary Figure S1 (continued)

Donor: E

\* Blot ID: HGR\_037

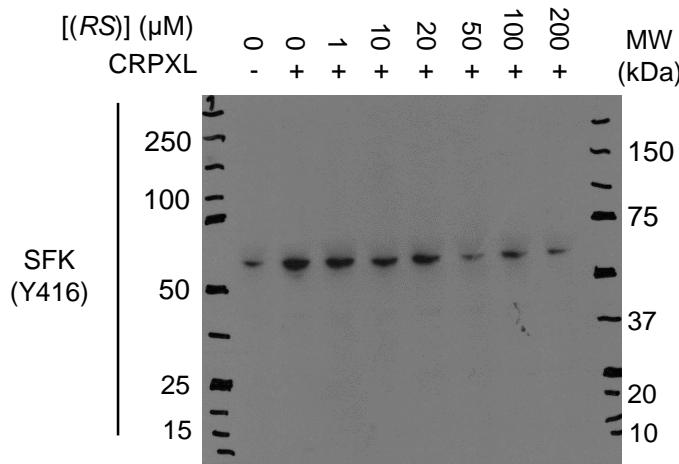


Blot ID: HGR\_038

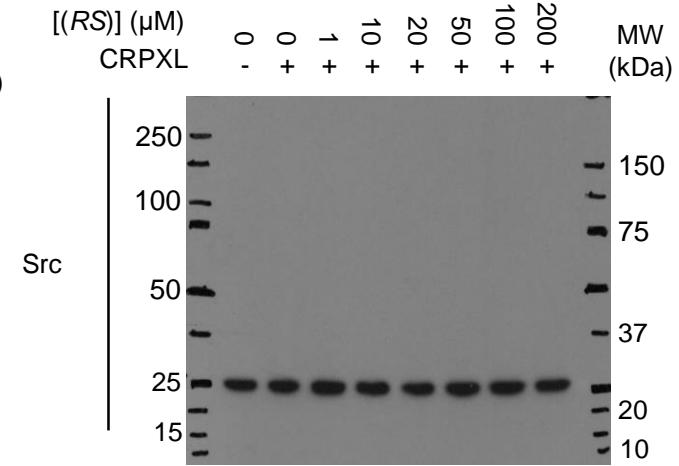


Donor: E

\* Blot ID: HGR\_062



Blot ID: HGR\_063



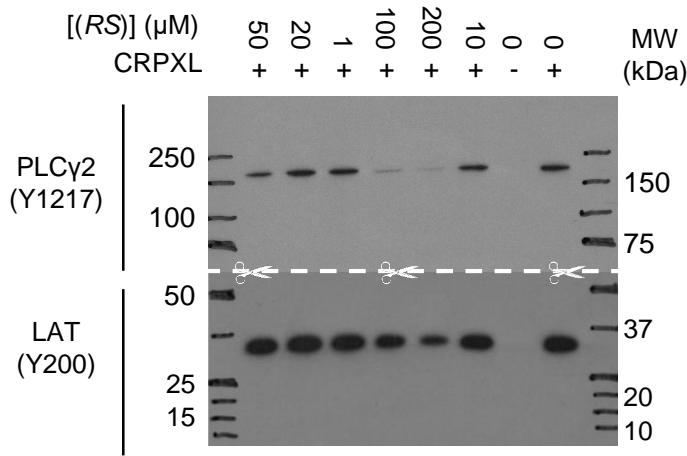
## Supplementary Figure S1 – Pilot study data

Unprocessed images of X-ray films of western blots generated in a pilot study. Samples were probed with primary antibodies against phospho-tyrosine (4G10) (N = 2 donors), and phospho-PLC $\gamma$ 2 (Y1217), phospho-LAT (Y200), phospho-Src family kinases (SFK) (Y416), PLC $\gamma$ 2, LAT and Src (N = 1 donor). Films shown in the main manuscript are indicated with \*. For undetermined reasons, the Src blot (HGR\_063, Donor E) produced a band at 25 kDa, despite Src having a molecular weight of ~60 kDa. All subsequent Src blots (Supplementary Figure S3) show bands at ~60 kDa. None of these images or any pilot study data were used in the quantitative analysis shown in Fig. 5b. 3 blood donors were used in total, labelled A, E and F.

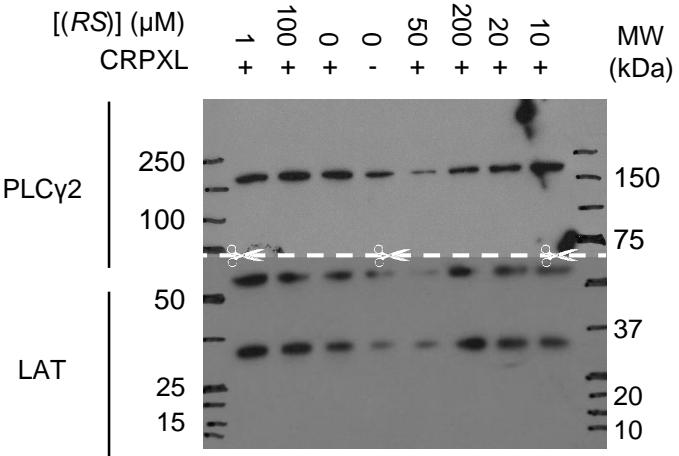
## Supplementary Figure S2

Donor: A

Blot ID: HGR\_040

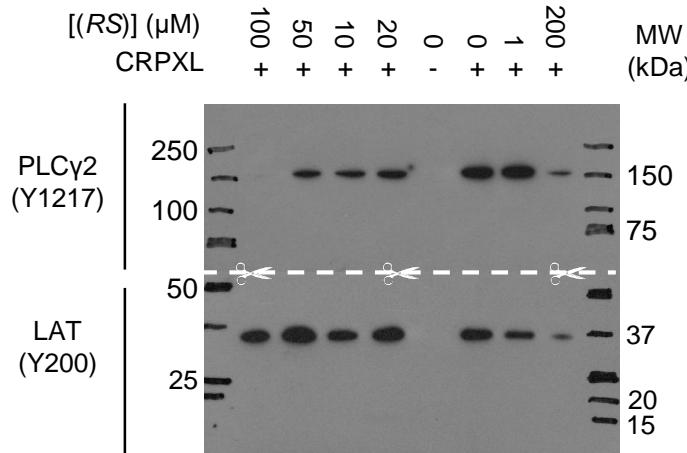


Blot ID: HGR\_041

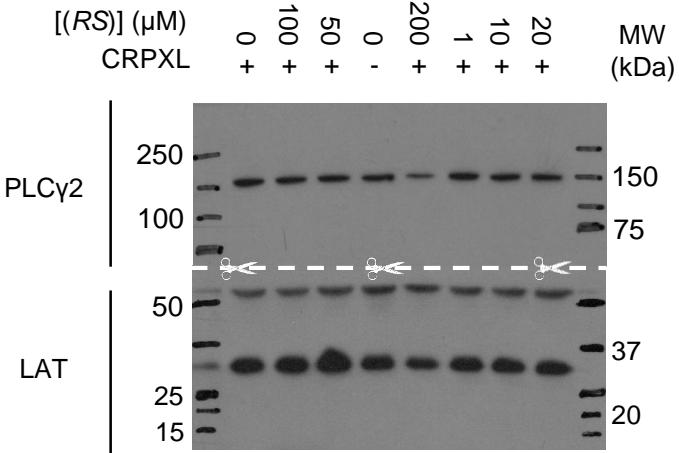


Donor: B

Blot ID: HGR\_044



Blot ID: HGR\_045



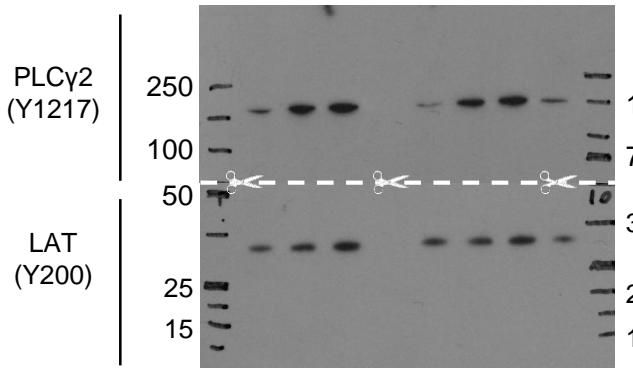
## Supplementary Figure S2 (continued)

Donor: C

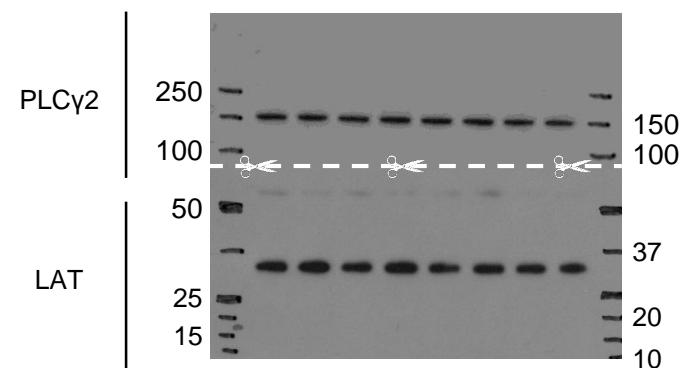
Blot ID: HGR\_046

Blot ID: HGR\_047

$[(RS)] (\mu M)$	CRPXL	200	20	10	0	100	1	0	50	MW (kDa)
		+	+	+	-	+	+	+	+	



$[(RS)] (\mu M)$	CRPXL	1	10	200	20	100	0	50	0	MW (kDa)
		+	+	+	+	+	-	+	-	

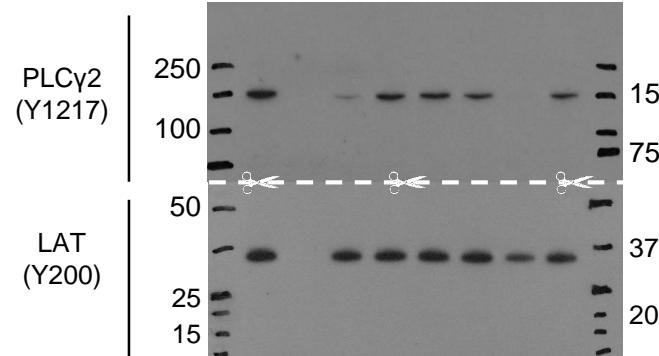


Donor: D

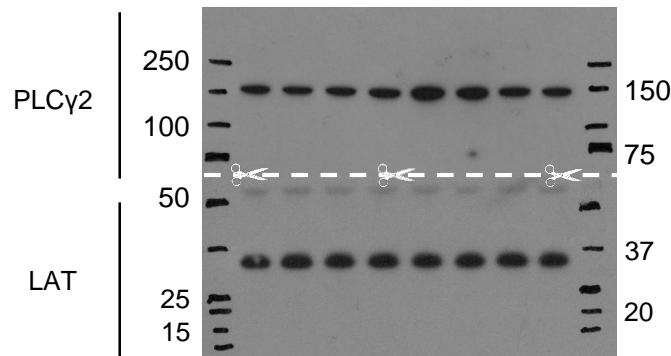
Blot ID: HGR\_048

Blot ID: HGR\_049

$[(RS)] (\mu M)$	CRPXL	1	0	100	10	0	50	200	20	MW (kDa)
		+	-	+	+	-	+	+	+	



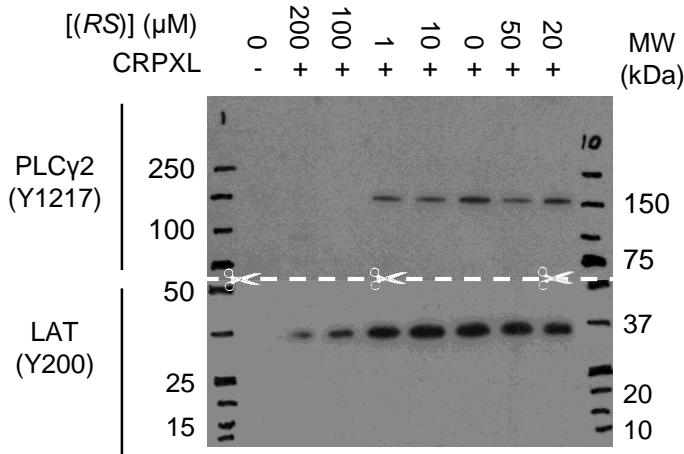
$[(RS)] (\mu M)$	CRPXL	200	0	20	10	0	50	100	0	MW (kDa)
		+	-	+	+	-	+	+	-	



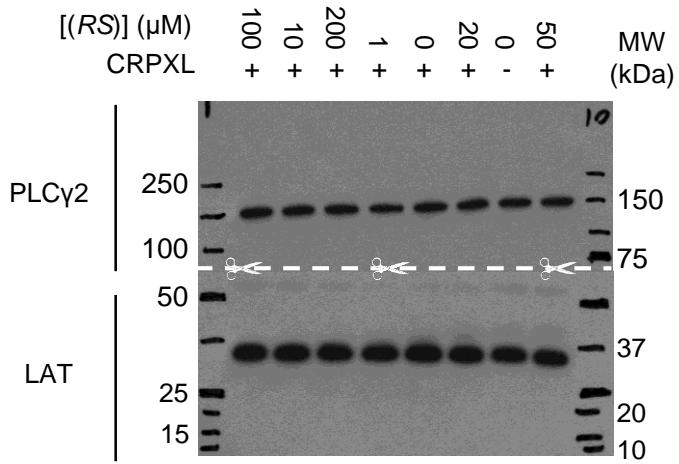
## Supplementary Figure S2 (continued)

Donor: E

Blot ID: HGR\_050



Blot ID: HGR\_051



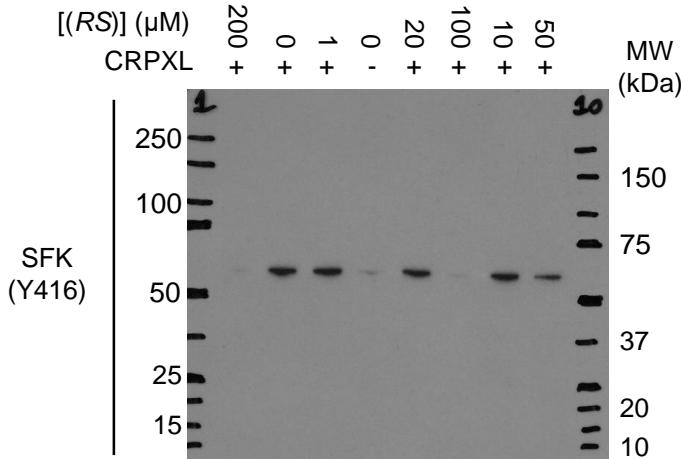
## Supplementary Figure S2

Unprocessed images of X-ray films of western blots used for the quantification of phospho-PLC $\gamma$ 2 (Y1217), phospho-LAT (Y200), PLC $\gamma$ 2, and LAT. 5 blood donors were used in total, labelled A-E. White scissors and dashed white lines indicate where membranes were cut for subsequent blotting with different antibodies for either PLC or LAT. Samples were randomised and allocated into wells 2-9 in a blinded fashion.

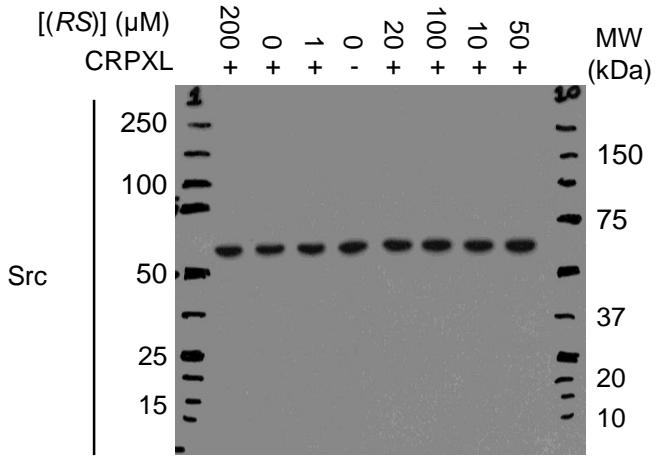
# Supplementary Figure S3

Donor: A

Blot ID: HGR\_070

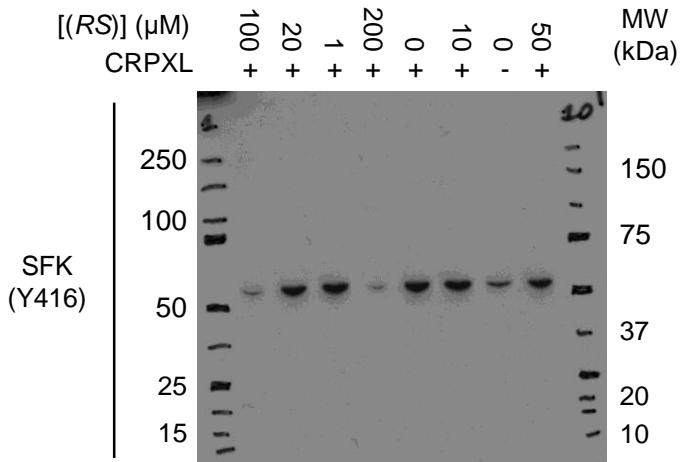


Blot ID: HGR\_071

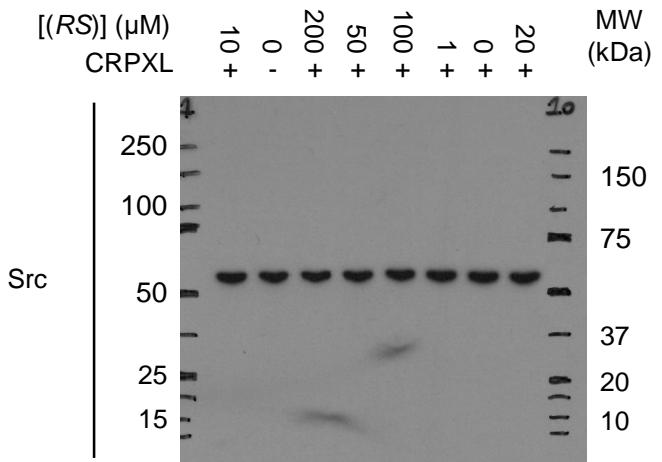


Donor: B

Blot ID: HGR\_068



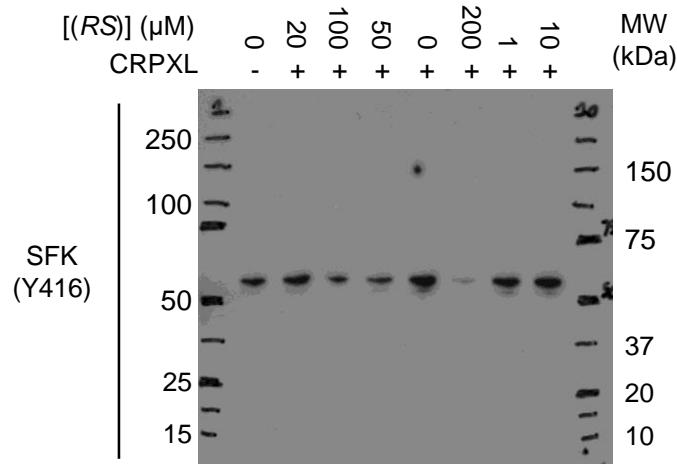
Blot ID: HGR\_069



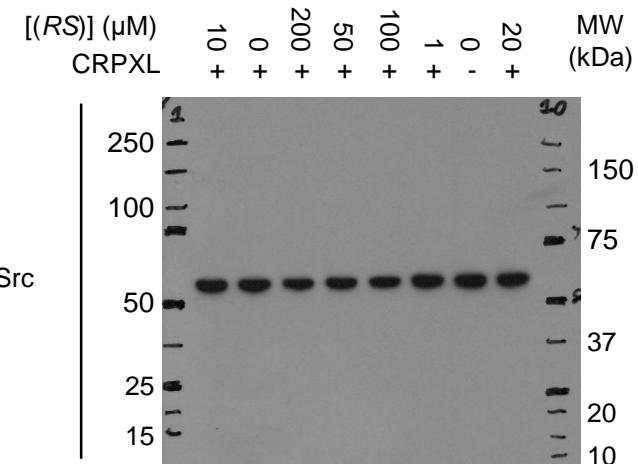
## **Supplementary Figure S3 (continued)**

Donor: C

Blot ID: HGR\_066

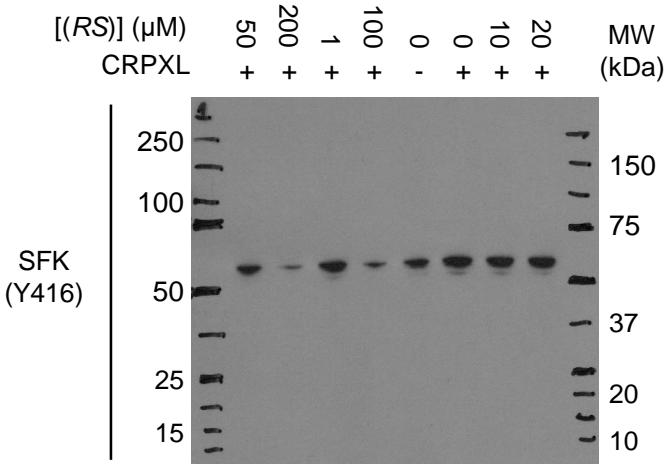


Blot ID: HGR\_067

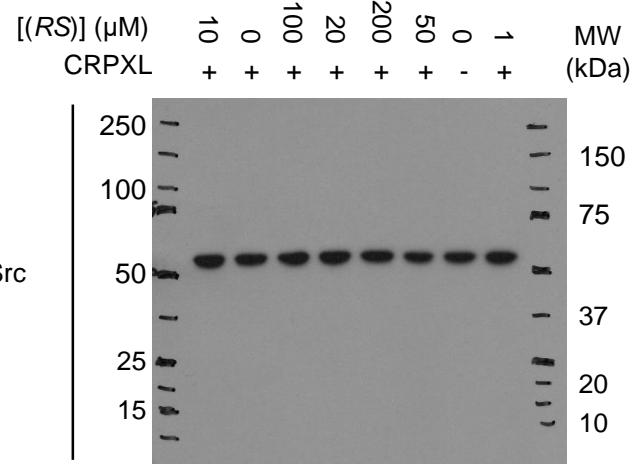


Donor: D

Blot ID: HGR\_064



Blot ID: HGR\_065



## Supplementary Figure S3

Unprocessed images of X-ray films from western blots used to quantify phospho-Src family kinases (SFK) (Y416) and Src. Samples from 4 blood donors were used in total, labelled A-D, which match donors used in Supplementary Figure S2. No data were obtained for donor E as there was insufficient material from this donor for all conditions when the analysis was performed. Samples were randomised and allocated into wells 2-9 in a blinded fashion.