Weir et al. Supplementary Table 3. A list of all human SH2 domains and the number of conserved tyrosines (equivalent to Fyn tyrosines 185, 213 and 214) they contain. "x" denotes the three SH2 tyrsoines are not conserved. Also indicated are the number of these sites that have been found phosphorylated as curated by PhosphositePlus or as determined by this study. If the SH2 domain is within a gene that also encodes a kinase this is indicated. Totals are tabulated at the bottom of each column. SFKs are highlighted in blue.

Protein	Sites Conserved	Sites in PhosphositePlus	Kinase
STAT5A	x	x	
STAT5B	x	x	
STAT6	x	x	
STAT1	1	0	
STAT4	1	0	
STAT3	1	0	
STAT2	1	0	
CBLC	1	0	
CBLB	1	0	
CBL	1	0	
SH2D2A	x	x	
HSH2	1	0	
SH2D4A	2	0	
SH2D4B	2	0	
ZAP70_N	2	2	1
SYK_N	1	1	1
JAK2	2	1	1
JAK3	x	x	1
TYK2	x	x	1
JAK1	1	0	1
CSK	1	0	1
MATK	1	0	1
ZAP70_C	2	2	1
SYK_C	1	1	1
GRB14	x	x	
GRB10	x	x	
GRB7	1	0	
YES	3	3	1
FYN	3	3	1
FGR	3	3	1
SRC1	2	2	1
HCK	2	2	1
LCK	1	1	1
LYN	2	2	1
BLK	2	2	1
FRK	x	x	1

SLAP2	2	0	
SLAP	3	1	
ABL2	1	1	1
ABL1	1	1	1
SRMS	2	2	1
SH2D5	1	0	
BRK	1	1	1
GRB2	1	0	
GRAP	1	0	
GRAP2	1	0	
SHF	1	0	
SHB	2	0	
SHD	1	0	
SHE	2	0	
RIN3	1	0	
RIN2	x	x	
RIN1	x	x	
TENSIN	1	1	
TEM6	1	1	
TENC1	1	0	
CTEN	x	x	
CRK	1	1	
CRKL	1	1	
BRDG1	2	0	
BKS	1	0	
SUPT6H	x	x	
SH3BP2	1	0	
PLCG2_C	1	1	
PLCG1_C	1	1	
SOCS3	x	x	
SOCS1	x	x	
SOCS2	1	0	
CISH	1	0	
SOCS7	1	0	
SOCS4	1	0	
SOCS6	1	1	
SOCS5	1	0	
DAPP1	2	0	
NCK2	1	1	
NCK	1	1	
PTPN11_N	2	2	
PTPN6_N	1	1	
PTPN11_C	1	1	
PTPN6_C	1	1	
PIK3R3_N	x	x	
PIK3R1_N	2	1	
PIK3R2_N	2	1	

PIK3R3_C	2	0	
PIK3R1_C	2	1	
PIK3R2_C	2	0	
VAV3	1	0	
VAV1	x	x	
VAV2	1	0	
FER	x	x	1
FES	x	x	1
BCAR3	x	x	
SH2D3C	x	x	
SH2D3A	x	x	
SHCA	x	x	
SHCD	x	x	
SHCB	x	x	
SHCC	x	x	
APS	x	x	
SH2B	x	x	
LNK	x	x	
CHN2	1	0	
CHN1	1	0	
RASA1_N	1	0	
PLCG2_N	2	0	
PLCG1_N	x	x	
RASA1_C	1	0	
SHIP	x	x	
SHIP2	x	x	
SH2D1A	1	0	
EAT2	x	x	
MIST	x	x	
SLP76	x	x	
BLNK	x	x	
SLNK	1	0	
ITK	1	0	1
BTK	x	x	1
TEC	x	x	1
TXK	x	x	1
BMX	1	1	1
Totals	111	49	30