Table I. Summary of Kinexus high-throughput phospho-proteomics data

(Mirenda M, Toffali L, Montresor A, Scardoni G, Sorio C and Laudanna C. Protein tyrosine phosphatase, receptor type, gamma (PTPRG) is a JAK phosphatase and negatively regulates leukocyt integrin activation. Journal of Immunology 2015 PubMed PMID: 25624455.)

HGNC protein symbols	p-Site	%	p-Site	%	p-Site	%	p-Site	%	Functional effect of P1-WD
ABL1	Y412	-40							inhibition
BLNK	Y84	19							activation
BMX	Y40	-7							inhibition
BTK	Y223	-58							inhibition
CDK2	Y15	282							inhibition
CTTN	Y470	21							inhibition
DAB1	Y198	-34							inhibition
DOK2	Y142	9							activation
EGFR	Y1068	-13	Y1148	-16	Y1173	68			inhibition/inhibition/activation
ERBB2	Y1248	34							activation
GRIN2B	Y1474	29							activation
INSR	Y999	58	Y1189/Y1190	27					activation/activation
ITGB1	Y783	-11							inhibition
JAK2	Y1007/Y1008	-33							inhibition
KDR	Y1054	-37	Y1054+Y1059	22					inhibition
KIT	Y703	-60	Y730	-47					inhibition
LIMK1	Y507	-10							inhibition
MET	Y1003	-47							inhibition
PDGFRA	Y742	133	Y754	86					activation
PDGFRB	Y716	-36							inhibition
PRKCD	Y313	189							activation
PTK2	Y397	30	Y577	-60	Y576	65	Y861	-11	activation/inhibition/activation/inhibition
PXN	Y118	144	Y31	19					activation/activation
SHC1	Y349+Y350	-10							inhibition
SRC	Y419	-6	Y530	94					inhibition/inhibition
STAT1	Y701	38							activation
STAT2	Y690	61							activation
STAT3	Y705	182							activation
STAT5A	Y694	50							activation
VCL	Y821	-20							inhibition
ZAP70	Y292	-46	Y315+Y319	12					activation/activation

The table shows the 31 identified proteins whose tyrosine phosphorylation is affected by PTPRG activation. Values reported in % columns are percent increas decrease of protein tyrosine phosphorylation upon fMLP triggering, in P1-WD-treated versus P1-treated monocytes. For some proteins (EGFR, INSR, KDR, I PDGFRA, PTK2, PXN, SRC and ZAP70) multiple phosphotyrosine residues are detected. From left to right, columns are HGNC protein symbols (in alphab order), phosphosites (p-Sites), % changes of phosphorylation (induced by P1-WD) and the putative functional effect, inferred from literature data mining. EGFR PTK2 are highlighted in gray since the functional effect could not be unambiguously inferred.