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SH2 domains recognize specific phosphopeptide sequences

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2318	src-related protein tyrosine kinases and their surface receptors. 1993 , 1155, 239-66		26
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2316	Signaling the insulin receptor way. 1993 , 3, 713-5		1
2315	SH2 and SH3 domains. 1993 , 3, 434-42		619
2314	The Src family of tyrosine protein kinases in hemopoietic signal transduction. 1993 , 11, 371-80		24
2313	Signal transduction in the erythropoietin receptor system. 1993 , 11, 381-92		26
2312	Signal transduction pathways: new targets in oncology. 1993 , 15, 233-42		4
2311	Microfilaments and membranes. 1993 , 5, 653-60		50
2310	Biochemistry of B lymphocyte activation. 1994 , 55, 221-95		97
2309	Intercellular signaling and signal transduction in C. elegans. 1993 , 27, 497-521		44

2308	Structure of the IL4 receptor and signal transduction mechanism of IL4. 1993 , 144, 584-90		9
2307	Structures of SH2 and SH3 domains. 1993 , 3, 828-837		101
2306	A yeast SH2 domain. 1993 , 18, 464-5		26
2305	Structure and function of the B cell antigen receptor. 1993 , 9, 377-410		77
2304	Subcellular localization specified by protein acylation and phosphorylation. 1993 , 5, 984-9		33
2303	Epidermal growth factor regulates p21ras through the formation of a complex of receptor, Grb2 adaptor protein, and Sos nucleotide exchange factor. <i>Cell</i> , 1993 , 73, 611-20	56.2	1008
2302	The when and how of Src regulation. <i>Cell</i> , 1993 , 73, 1051-4	56.2	517
2301	BCR-ABL-induced oncogenesis is mediated by direct interaction with the SH2 domain of the GRB-2 adaptor protein. <i>Cell</i> , 1993 , 75, 175-185	56.2	576
2300	Proteins with SH2 and SH3 domains couple receptor tyrosine kinases to intracellular signalling pathways. 1993 , 340, 279-85		42
2299	Peptide-protein interactions: an overview. 1993 , 26, 333-63		15
2298	Closing in on SH2 specificity. 1993 , 262, 1522-4		86
2297	Binding of the Src SH2 domain to phosphopeptides is determined by residues in both the SH2 domain and the phosphopeptides. 1993 , 13, 7278-87		113
2296	Interaction of Shc with the zeta chain of the T cell receptor upon T cell activation. 1993 , 262, 902-5		332
2295	The human GRB2 and Drosophila Drk genes can functionally replace the Caenorhabditis elegans cell signaling gene sem-5. 1993 , 4, 1175-88		55
2294	T cell receptor zeta/CD3-p59fyn(T)-associated p120/130 binds to the SH2 domain of p59fyn(T). 1993 , 178, 2107-13		53
2293	Pleiotropic insulin signals are engaged by multisite phosphorylation of IRS-1. 1993 , 13, 7418-28		426
2292	The 64-kDa protein that associates with the platelet-derived growth factor receptor beta subunit via Tyr-1009 is the SH2-containing phosphotyrosine phosphatase Syp. 1993 , 90, 6939-43		195
2291	Human bradykinin B2 receptors isolated by receptor-specific monoclonal antibodies are tyrosine phosphorylated. 1993 , 90, 10994-8		34

2290	The Src family tyrosine kinases are required for platelet-derived growth factor-mediated signal transduction in NIH 3T3 cells. 1993 , 90, 7696-700	303
2289	Mitogenic signalling and substrate specificity of the Flk2/Flt3 receptor tyrosine kinase in fibroblasts and interleukin 3-dependent hematopoietic cells. 1993 , 13, 6572-85	151
2288	A 31-amino-acid N-terminal extension regulates c-Crk binding to tyrosine-phosphorylated proteins. 1993 , 13, 7295-302	27
2287	Identification and sequence analysis of cDNAs encoding a 110-kilodalton actin filament-associated pp60src substrate. 1993 , 13, 7892-900	124
2286	Kinetics of p56lck and p60src Src homology 2 domain binding to tyrosine-phosphorylated peptides determined by a competition assay or surface plasmon resonance. 1993 , 90, 4902-6	133
2285	Nck associates with the SH2 domain-docking protein IRS-1 in insulin-stimulated cells. 1993 , 90, 11713-7	189
2284	Two signaling molecules share a phosphotyrosine-containing binding site in the platelet-derived growth factor receptor. 1993 , 13, 6889-96	173
2283	Two novel transmembrane protein tyrosine kinases expressed during <i>Caenorhabditis elegans</i> hypodermal development. 1993 , 13, 7133-43	21
2282	Identification and characterization of a high-affinity interaction between v-Crk and tyrosine-phosphorylated paxillin in CT10-transformed fibroblasts. 1993 , 13, 4648-56	255
2281	Mapping of sites on the Src family protein tyrosine kinases p55blk, p59fyn, and p56lyn which interact with the effector molecules phospholipase C-gamma 2, microtubule-associated protein kinase, GTPase-activating protein, and phosphatidylinositol 3-kinase. 1993 , 13, 5877-87	146
2280	trkC encodes multiple neurotrophin-3 receptors with distinct biological properties and substrate specificities.. 1993 , 12, 3083-3094	122
2279	The (YXXL/I)2 signalling motif found in the cytoplasmic segments of the bovine leukaemia virus envelope protein and Epstein-Barr virus latent membrane protein 2A can elicit early and late lymphocyte activation events.. 1993 , 12, 5105-5112	88
2278	Mutation of Tyr697, a GRB2-binding site, and Tyr721, a PI 3-kinase binding site, abrogates signal transduction by the murine CSF-1 receptor expressed in Rat-2 fibroblasts.. 1993 , 12, 5161-5172	97
2277	The High-Affinity Receptor for Immunoglobulin E. 1994 , 59, 173-190	10
2276	Phosphorylation of receptor protein-tyrosine phosphatase alpha on Tyr789, a binding site for the SH3-SH2-SH3 adaptor protein GRB-2 in vivo.. 1994 , 13, 3020-3032	136
2275	Bcr-Abl oncoproteins bind directly to activators of the Ras signalling pathway.. 1994 , 13, 764-773	324
2274	A novel signaling molecule, p130, forms stable complexes in vivo with v-Crk and v-Src in a tyrosine phosphorylation-dependent manner.. 1994 , 13, 3748-3756	517
2273	The SH2 domain protein GRB-7 is co-amplified, overexpressed and in a tight complex with HER2 in breast cancer.. 1994 , 13, 1331-1340	185

2272	Involvement of phosphoinositide 3-kinase in insulin- or IGF-1-induced membrane ruffling.. 1994 , 13, 2313-2321	272
2271	c-Abl kinase regulates the protein binding activity of c-Crk.. 1994 , 13, 2341-2351	282
2270	Dual role of the tyrosine activation motif of the Ig-alpha protein during signal transduction via the B cell antigen receptor.. 1994 , 13, 83-89	135
2269	Ligand-induced IFN gamma receptor tyrosine phosphorylation couples the receptor to its signal transduction system (p91).. 1994 , 13, 1591-1600	310
2268	Analysis of Ig-alpha-tyrosine kinase interaction reveals two levels of binding specificity and tyrosine phosphorylated Ig-alpha stimulation of Fyn activity.. 1994 , 13, 1911-1919	99
2267	Structure and Function of the B-Cell Antigen Receptor. 1994 , 59, 156-172	1
2266	Molecular Mechanisms of Cell Growth and Oncogene Action. 1994 , 215-236	
2265	CELLULAR ACTIVATION. 1994 , 229-253	
2264	Identification of c-erbB-3 binding sites for phosphatidylinositol 3?-kinase and SHC using an EGF receptor/c-erbB-3 chimera.. 1994 , 13, 2831-2841	258
2263	A single autophosphorylation site confers oncogenicity to the Neu/ErbB-2 receptor and enables coupling to the MAP kinase pathway.. 1994 , 13, 3302-3311	144
2262	Mutations in the Caenorhabditis elegans let-23 EGFR-like gene define elements important for cell-type specificity and function.. 1994 , 13, 360-366	51
2261	Binding of the Grb2 SH2 domain to phosphotyrosine motifs does not change the affinity of its SH3 domains for Sos proline-rich motifs.. 1994 , 13, 4011-4021	89
2260	Identification of Src, Fyn, Lyn, PI3K and Abl SH3 domain ligands using phage display libraries.. 1994 , 13, 5598-5604	197
2259	The paradoxical regulation of protein phosphorylation in insulin action. 1994 , 8, 1034-40	49
2258	Elucidation of the role of breathless, a Drosophila FGF receptor homolog, in tracheal cell migration. 1994 , 8, 428-39	140
2257	Integrin-mediated signal transduction linked to Ras pathway by GRB2 binding to focal adhesion kinase. 1994 , 372, 786-91	1404
2256	Physical and functional interactions between SH2 and SH3 domains of the Src family protein tyrosine kinase p59fyn. 1994 , 14, 6372-85	61
2255	Modulations of the epithelial phenotype during embryogenesis and cancer progression. 1994 , 71, 229-49	47

2254	Involvement of the protein tyrosine kinase p56lck in T cell signaling and thymocyte development. 1994 , 56, 151-78		65
2253	ErbB3 is involved in activation of phosphatidylinositol 3-kinase by epidermal growth factor. 1994 , 14, 3550-8		476
2252	Efficient coupling with phosphatidylinositol 3-kinase, but not phospholipase C gamma or GTPase-activating protein, distinguishes ErbB-3 signaling from that of other ErbB/EGFR family members. 1994 , 14, 492-500		210
2251	Autophosphorylation of the focal adhesion kinase, pp125FAK, directs SH2-dependent binding of pp60src. 1994 , 14, 1680-8		1097
2250	p56lck interacts via its src homology 2 domain with the ZAP-70 kinase. 1994 , 179, 1163-72		150
2249	Genetic analysis of a phosphatidylinositol 3-kinase SH2 domain reveals determinants of specificity. 1994 , 14, 5929-38		30
2248	Cell movement elicited by epidermal growth factor receptor requires kinase and autophosphorylation but is separable from mitogenesis. 1994 , 124, 547-55		197
2247	C3G, a guanine nucleotide-releasing protein expressed ubiquitously, binds to the Src homology 3 domains of CRK and GRB2/ASH proteins. 1994 , 91, 3443-7		352
2246	The protein bcl-2 alpha does not require membrane attachment, but two conserved domains to suppress apoptosis. 1994 , 126, 1059-68		178
2245	Direct interaction of v-Src with the focal adhesion kinase mediated by the Src SH2 domain. 1994 , 5, 413-21		292
2244	An alternative to SH2 domains for binding tyrosine-phosphorylated proteins. 1994 , 266, 1862-5		490
2243	CRK protein binds to two guanine nucleotide-releasing proteins for the Ras family and modulates nerve growth factor-induced activation of Ras in PC12 cells. 1994 , 14, 5495-500		185
2242	Focal adhesion kinase: structure and signalling. <i>Journal of Cell Science</i> , 1994 , 18, 109-13	5-3	76
2241	Specific motifs recognized by the SH2 domains of Csk, 3BP2, fps/fes, GRB-2, HCP, SHC, Syk, and Vav. 1994 , 14, 2777-85		856
2240	SH2 and SH3 domains in signal transduction. 1994 , 64, 87-110		107
2239	Aberrant protein phosphorylation at tyrosine is responsible for the growth-inhibitory action of pp60v-src expressed in the yeast <i>Saccharomyces cerevisiae</i> . 1994 , 5, 283-96		29
2238	Specificity in recognition of phosphopeptides by src-homology 2 domains. <i>Journal of Cell Science</i> , 1994 , 18, 121-6	5-3	56
2237	Epidermal growth factor receptor-mediated cell motility: phospholipase C activity is required, but mitogen-activated protein kinase activity is not sufficient for induced cell movement. 1994 , 127, 847-57		286

2236	Signal transduction by the macrophage-colony-stimulating factor receptor (CSF-1R). <i>Journal of Cell Science</i> , 1994 , 18, 105-8	5-3	37
2235	Stimulation of CD28 triggers an association between CD28 and phosphatidylinositol 3-kinase in Jurkat T cells. 1994 , 179, 1071-6		173
2234	Identification of a novel dimeric phosphoprotein (PP29/30) associated with signaling receptors in human T lymphocytes and natural killer cells. 1994 , 180, 897-906		16
2233	Brief report: a point mutation in the SH2 domain of Bruton's tyrosine kinase in atypical X-linked agammaglobulinemia. 1994 , 330, 1488-91		129
2232	Identification of Src, Fyn, and Lyn SH3-binding proteins: implications for a function of SH3 domains. 1994 , 14, 4509-21		226
2231	Role of IRS-1-GRB-2 complexes in insulin signaling. 1994 , 14, 3577-87		197
2230	Microinjection of the SH2 domain of the 85-kilodalton subunit of phosphatidylinositol 3-kinase inhibits insulin-induced DNA synthesis and c-fos expression. 1994 , 14, 7466-75		124
2229	Interaction of a protein phosphatase with an Arabidopsis serine-threonine receptor kinase. 1994 , 266, 793-5		265
2228	Transmembrane signalling in eukaryotes: a comparison between higher and lower eukaryotes. 1994 , 26, 1239-70		8
2227	Side reactions in the synthesis of phosphotyrosine-containing peptides. 1994 , 1, 73-79		8
2226	N-Fmoc-4-phosphono(difluoromethyl)-L-phenylalanine: A new O-phosphotyrosine isosteric building block suitable for direct incorporation into peptides. 1994 , 35, 7585-7588		34
2225	Random peptide libraries. 1994 , 5, 40-8		77
2224	Norleucine as a replacement for methionine in phosphatase-resistant linear and cyclic peptides which bind to p85 SH2 domains. 1994 , 4, 1879-1882		10
2223	Phosphopeptide binding to the N-terminal SH2 domain of the p85 alpha subunit of PI 3'-kinase: a heteronuclear NMR study. 1994 , 3, 1020-30		46
2222	Focal adhesion as a signal transduction organelle. 1994 , 13, 9-24		89
2221	Tyrosine protein kinase inhibition and cancer. 1994 , 26, 1203-26		51
2220	Neurotrophin signal transduction by the Trk receptor. 1994 , 25, 1404-17		473
2219	Comparative effects of hepatocyte growth factor and epidermal growth factor on motility, morphology, mitogenesis, and signal transduction of primary rat hepatocytes. 1994 , 55, 445-64		67

2218	In vitro characterization of major ligands for Src homology 2 domains derived from protein tyrosine kinases, from the adaptor protein SHC and from GTPase-activating protein in Ramos B cells. 1994 , 24, 1799-807	65
2217	Interleukin-7 induces the association of phosphatidylinositol 3-kinase with the alpha chain of the interleukin-7 receptor. 1994 , 24, 2168-74	99
2216	Segregation of APO-1/Fas antigen- and tumor necrosis factor receptor-mediated apoptosis. 1994 , 24, 2563-6	41
2215	CD28 signal transduction: tyrosine phosphorylation and receptor association of phosphoinositide-3 kinase correlate with Ca(2+)-independent costimulatory activity. 1994 , 24, 2732-9	33
2214	Phosphatidylinositol 3-kinase. 1994 , 16, 565-76	554
2213	Tensin: a potential link between the cytoskeleton and signal transduction. 1994 , 16, 817-23	117
2212	Signaling pathways activated by protein tyrosine phosphorylation in lymphocytes. 1994 , 6, 364-71	27
2211	Role of tyrosine kinases in lymphocyte activation. 1994 , 6, 372-9	80
2210	The B7 and CD28 receptor families. 1994 , 15, 321-31	1171
2209	The ins and outs of the transmembrane 4 superfamily. 1994 , 15, 588-94	300
2208	Two-step TCR zeta/CD3-CD4 and CD28 signaling in T cells: SH2/SH3 domains, protein-tyrosine and lipid kinases. 1994 , 15, 225-34	157
2207	The CD19/CD21 signal transduction complex of B lymphocytes. 1994 , 15, 437-42	225
2206	The phosphopeptide-binding specificity of Src family SH2 domains. 1994 , 1, 99-105	32
2205	Backbone dynamics of a free and phosphopeptide-complexed Src homology 2 domain studied by 15N NMR relaxation. 1994 , 33, 5984-6003	1979
2204	Phosphotyrosine phosphatases with SH2 domains: regulators of signal transduction. 1994 , 10, 54-8	169
2203	The role of p21ras in receptor tyrosine kinase signalling. 1994 , 1198, 131-47	29
2202	The biology of erbB-2/neu/HER-2 and its role in cancer. 1994 , 1198, 165-84	370
2201	Signal transduction pathways involving Ras. Mini review. 1994 , 6, 247-67	59

2200	Insulin signalling: the role of insulin receptor substrate 1. 1994 , 4, 115-9	75
2199	SH2 and SH3 domains as molecular adhesives: the interactions of Crk and Abl. 1994 , 19, 453-8	182
2198	Tyrosine-kinase-dependent signaling pathways. 1994 , 4, 264-70	13
2197	Signalling pathways as targets for anticancer drug development. 1994 , 62, 57-95	42
2196	Nonhydrolyzable phosphotyrosyl mimetics for the preparation of phosphatase-resistant SH2 domain inhibitors. 1994 , 33, 6490-4	187
2195	Receptor protein-tyrosine kinases and their signal transduction pathways. 1994 , 10, 251-337	1066
2194	The B cell antigen receptor complex: mechanisms and implications of tyrosine kinase activation. 1994 , 13, 299-310	8
2193	Bruton's tyrosine kinase is a key regulator in B-cell development. 1994 , 138, 105-19	98
2192	Transformation by polyoma virus middle T-antigen involves the binding and tyrosine phosphorylation of Shc. 1994 , 367, 87-90	185
2191	A 13-amino-acid motif in the cytoplasmic domain of Fc gamma RIIB modulates B-cell receptor signalling. 1994 , 368, 70-3	436
2190	Structure of the regulatory domains of the Src-family tyrosine kinase Lck. 1994 , 368, 764-9	253
2189	SH2 domain specificity and activity modified by a single residue. 1994 , 369, 502-5	183
2188	Signalling an interest. 1994 , 1, 417-20	13
2187	High-resolution crystal structures of tyrosine kinase SH3 domains complexed with proline-rich peptides. 1994 , 1, 546-51	244
2186	Crystal structures of peptide complexes of the amino-terminal SH2 domain of the Syp tyrosine phosphatase. 1994 , 2, 423-38	222
2185	Characterization of a phosphatidylinositol-specific phosphoinositide 3-kinase from mammalian cells. 1994 , 4, 203-14	133
2184	The activation of phosphatidylinositol 3-kinase by Ras. 1994 , 4, 798-806	287
2183	Use of an oriented peptide library to determine the optimal substrates of protein kinases. 1994 , 4, 973-82	550

2182	A unique autophosphorylation site in the platelet-derived growth factor alpha receptor from a heterodimeric receptor complex. 1994 , 225, 29-41		45
2181	Molecular cloning and tissue-specific RNA processing of a murine receptor-type protein tyrosine phosphatase. 1994 , 226, 773-82		11
2180	Involvement of Src-homology/collagen (SHC) proteins in signaling through the insulin receptor and the insulin-like-growth-factor-I-receptor. 1994 , 223, 195-202		80
2179	The calpain cleavage sites in the epidermal growth factor receptor kinase domain. 1994 , 223, 455-64		36
2178	Phosphorylation effects on flanking charged residues. Structural implications for signal transduction in protein kinases. 1994 , 224, 115-23		11
2177	Structural determinants of substrate selection by the human insulin-receptor protein-tyrosine kinase. 1994 , 226, 525-36		8
2176	Initial events in Fc epsilon RI signal transduction. 1994 , 94, 1142-6		29
2175	A novel phosphoinositide 3 kinase activity in myeloid-derived cells is activated by G protein beta gamma subunits. <i>Cell</i> , 1994 , 77, 83-93	56.2	558
2174	A multifunctional docking site mediates signaling and transformation by the hepatocyte growth factor/scatter factor receptor family. <i>Cell</i> , 1994 , 77, 261-71	56.2	907
2173	Interferon activation of the transcription factor Stat91 involves dimerization through SH2-phosphotyrosyl peptide interactions. <i>Cell</i> , 1994 , 76, 821-8	56.2	725
2172	A neu acquaintance for erbB3 and erbB4: a role for receptor heterodimerization in growth signaling. <i>Cell</i> , 1994 , 78, 5-8	56.2	567
2171	Phosphorylated synthetic peptides as tools for studying protein phosphatases. 1994 , 1222, 415-31		71
2170	Cytokine receptors and signal transduction. 1994 , 5, 15-35		20
2169	The hetero-oligomeric antigen receptor complex and its coupling to cytoplasmic effectors. 1994 , 4, 55-63		24
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2167	Focal adhesion kinase and associated proteins. 1994 , 6, 705-10		467
2166	Insulin signal transduction pathways. 1994 , 5, 369-76		37
2165	SH2/SH3 signaling proteins. 1994 , 4, 25-30		392

2164	Tyrosine phosphorylation of the MUC1 breast cancer membrane proteins. Cytokine receptor-like molecules. 1994 , 356, 130-6	116
2163	Src homology 2 domains of protein tyrosine phosphatase are associated in vitro with both the insulin receptor and insulin receptor substrate-1 via different phosphotyrosine motifs. 1994 , 340, 216-20	34
2162	Fc gamma receptor II stimulated formation of inositol phosphates in human platelets is blocked by tyrosine kinase inhibitors and associated with tyrosine phosphorylation of the receptor. 1994 , 342, 15-8	27
2161	Structure and function of the SH3 domain. 1994 , 61, 283-97	129
2160	The GRB family of SH2 domain proteins. 1994 , 62, 223-44	44
2159	An interleukin-4-induced transcription factor: IL-4 Stat. 1994 , 265, 1701-6	736
2158	Trk receptors use redundant signal transduction pathways involving SHC and PLC-gamma 1 to mediate NGF responses. 1994 , 12, 691-705	492
2157	Signal transduction by the PDGF receptors. 1994 , 5, 37-54	71
2156	Structure, regulation and function of phosphoinositide 3-kinases. 1994 , 1226, 237-68	142
2155	Oncogenic activation of tyrosine kinases. 1994 , 4, 15-24	116
2154	Receptor tyrosine kinases and their targets. 1994 , 4, 5-14	158
2153	Isoforms of the avian TrkC receptor: a novel kinase insertion dissociates transformation and process outgrowth from survival. 1994 , 13, 457-72	69
2152	Isolation and characterization of the human DTK receptor tyrosine kinase. 1994 , 11, 137-44	10
2151	Isolation of a receptor tyrosine kinase (DTK) from embryonic stem cells: structure, genetic mapping and analysis of expression. 1994 , 11, 125-36	25
2150	Molecular basis of Fc receptor function. 1994 , 57, 1-127	406
2149	Identifying substrate motifs of protein kinases by a random library approach. 1994 , 33, 14825-33	101
2148	Intramolecular regulation of protein tyrosine phosphatase SH-PTP1: a new function for Src homology 2 domains. 1994 , 33, 15483-93	190
2147	Activation of overexpressed receptors for insulin and epidermal growth factor interferes in mitogenic signaling without affecting the activation of p21ras. 1994 , 33, 7453-9	9

2146	Identification of amino acids in the N-terminal SH2 domain of phospholipase C gamma 1 important in the interaction with epidermal growth factor receptor. 1994 , 33, 14671-8	20
2145	Thermodynamic studies of tyrosyl-phosphopeptide binding to the SH2 domain of p56lck. 1994 , 33, 5070-6	64
2144	Protein tyrosine phosphatase substrate specificity: size and phosphotyrosine positioning requirements in peptide substrates. 1994 , 33, 2285-90	194
2143	Banting Lecture. Insulin action, diabetogenes, and the cause of type II diabetes. 1994 , 43, 1066-84	774
2142	Association of the insulin receptor and phosphatidylinositol 3-kinase requires a third component. 1994 , 297 (Pt 2), 335-42	4
2141	Rapid and efficient purification of Src homology 2 domain-containing proteins: Fyn, Csk and phosphatidylinositol 3-kinase p85. 1994 , 302 (Pt 3), 737-44	35
2140	Regulation of the Ras signalling pathway by protein-tyrosine kinases. 1994 , 22, 455-60	8
2139	The phosphatidylinositol 3-kinase alpha is required for DNA synthesis induced by some, but not all, growth factors. 1994 , 91, 9185-9	251
2138	Insect cell-expressed p180erbB3 possesses an impaired tyrosine kinase activity. 1994 , 91, 8132-6	570
2137	Activation of the Src family of tyrosine kinases in mammary tumorigenesis. 1994 , 64, 111-23	30
2136	Granulocyte colony-stimulating factor receptor signaling involves the formation of a three-component complex with Lyn and Syk protein-tyrosine kinases. 1994 , 91, 4683-7	175
2135	Polyoma middle tumor antigen interacts with SHC protein via the NPTY (Asn-Pro-Thr-Tyr) motif in middle tumor antigen. 1994 , 91, 6344-8	139
2134	T-cell antigen CD28 interacts with the lipid kinase phosphatidylinositol 3-kinase by a cytoplasmic Tyr(P)-Met-Xaa-Met motif. 1994 , 91, 2834-8	249
2133	Analysis of the binding of the Src homology 2 domain of Csk to tyrosine-phosphorylated proteins in the suppression and mitotic activation of c-Src. 1994 , 91, 3984-8	214
2132	Tyrosine phosphorylation of CD45 phosphotyrosine phosphatase by p50csk kinase creates a binding site for p56lck tyrosine kinase and activates the phosphatase. 1994 , 14, 1308-21	134
2131	Involvement of Shc in insulin- and epidermal growth factor-induced activation of p21ras. 1994 , 14, 1575-81	175
2130	Interactions of p59fyn and ZAP-70 with T-cell receptor activation motifs: defining the nature of a signalling motif. 1994 , 14, 3729-41	137
2129	A new function for a phosphotyrosine phosphatase: linking GRB2-Sos to a receptor tyrosine kinase. 1994 , 14, 509-17	427

2128	Mammary tumors expressing the neu proto-oncogene possess elevated c-Src tyrosine kinase activity. 1994 , 14, 735-43	195
2127	Functional specificity of cytoplasmic and transmembrane tyrosine kinases: identification of 130- and 75-kilodalton substrates of c-fps/fes tyrosine kinase in macrophages. 1994 , 14, 4606-15	28
2126	Association of focal adhesion kinase with its potential substrate phosphatidylinositol 3-kinase. 1994 , 91, 10148-52	449
2125	Distinct p53/56lyn and p59fyn domains associate with nonphosphorylated and phosphorylated Ig-alpha. 1994 , 91, 4268-72	115
2124	The Sixth George Swanson Christie Memorial Lecture: growth factors and their receptors: new opportunities for cancer treatment. 1994 , 26, 453-63	7
2123	Src kinase associates with a member of a distinct subfamily of protein-tyrosine phosphatases containing an ezrin-like domain. 1994 , 91, 7477-81	77
2122	Prokaryotic expression cloning of a novel human tyrosine kinase. 1994 , 14, 982-8	41
2121	Delineation of a T-cell activation motif required for binding of protein tyrosine kinases containing tandem SH2 domains. 1994 , 91, 6693-7	62
2120	Tyr-716 in the platelet-derived growth factor beta-receptor kinase insert is involved in GRB2 binding and Ras activation. 1994 , 14, 6715-26	111
2119	The cytoplasmic domain of CD28 is both necessary and sufficient for costimulation of interleukin-2 secretion and association with phosphatidylinositol 3'-kinase. 1994 , 14, 3392-402	120
2118	Activation of p56lck by p72syk through physical association and N-terminal tyrosine phosphorylation. 1994 , 14, 5249-58	103
2117	Phosphatidylinositol 3-kinase activation is mediated by high-affinity interactions between distinct domains within the p110 and p85 subunits. 1994 , 14, 42-9	86
2116	An epidermal growth factor receptor/ret chimera generates mitogenic and transforming signals: evidence for a ret-specific signaling pathway. 1994 , 14, 663-75	106
2115	Characterization of an interaction between insulin receptor substrate 1 and the insulin receptor by using the two-hybrid system. 1994 , 14, 6433-42	165
2114	The T-cell antigen CD5 acts as a receptor and substrate for the protein-tyrosine kinase p56lck. 1994 , 14, 2862-70	64
2113	Mutagenic analysis of the roles of SH2 and SH3 domains in regulation of the Abl tyrosine kinase. 1994 , 14, 2883-94	162
2112	Involvement of pp60c-src with two major signaling pathways in human breast cancer. 1994 , 91, 83-7	242
2111	Genomic structure and cloned cDNAs predict that four variants in the kinase domain of serine/threonine kinase receptors arise by alternative splicing and poly(A) addition. 1994 , 91, 7957-61	32

2110	Rapid T-cell receptor-mediated tyrosine phosphorylation of p120, an Fyn/Lck Src homology 3 domain-binding protein. 1994 , 91, 4135-9	75
2109	Stable association of pp60src and pp59fyn with the focal adhesion-associated protein tyrosine kinase, pp125FAK. 1994 , 14, 147-55	482
2108	Multiple cytokines stimulate the binding of a common 145-kilodalton protein to Shc at the Grb2 recognition site of Shc. 1994 , 14, 6926-35	160
2107	Analysis of the role of the Shc and Grb2 proteins in signal transduction by the v-ErbB protein. 1994 , 14, 3253-62	33
2106	Hierarchy of binding sites for Grb2 and Shc on the epidermal growth factor receptor. 1994 , 14, 5192-201	387
2105	Differential inhibition of signaling pathways by dominant-negative SH2/SH3 adapter proteins. 1995 , 15, 6829-37	227
2104	Interaction of Shc with Grb2 regulates association of Grb2 with mSOS. 1995 , 15, 593-600	160
2103	The structure and function of p55PIK reveal a new regulatory subunit for phosphatidylinositol 3-kinase. 1995 , 15, 4453-65	224
2102	A Drosophila shc gene product is implicated in signaling by the DER receptor tyrosine kinase. 1995 , 15, 4810-8	54
2101	Stimulation of human monocytes with macrophage colony-stimulating factor induces a Grb2-mediated association of the focal adhesion kinase pp125FAK and dynamin. 1995 , 92, 6132-6	71
2100	Determinants of the phagocytic signal mediated by the type IIIA Fc gamma receptor, Fc gamma RIIIA: sequence requirements and interaction with protein-tyrosine kinases. 1995 , 92, 7381-5	38
2099	Growth factor-induced tyrosine phosphorylation of Hrs, a novel 115-kilodalton protein with a structurally conserved putative zinc finger domain. 1995 , 15, 6213-21	146
2098	Overexpressed Csk tyrosine kinase is localized in focal adhesions, causes reorganization of alpha v beta 5 integrin, and interferes with HeLa cell spreading. 1995 , 15, 711-22	109
2097	Binding of NCK to SOS and activation of ras-dependent gene expression. 1995 , 15, 1169-74	101
2096	Restoration of surface IgM-mediated apoptosis in an anti-IgM-resistant variant of WEHI-231 lymphoma cells by HS1, a protein-tyrosine kinase substrate. 1995 , 92, 7302-6	65
2095	Shark, a Src homology 2, ankyrin repeat, tyrosine kinase, is expressed on the apical surfaces of ectodermal epithelia. 1995 , 92, 1911-5	25
2094	DNA synthesis induced by some but not all growth factors requires Src family protein tyrosine kinases. 1995 , 15, 1102-9	229
2093	Similarity of sli-1, a regulator of vulval development in <i>C. elegans</i> , to the mammalian proto-oncogene c-cbl. 1995 , 269, 1102-5	278

2092	Tyrosine phosphorylation and association of Syk with Fc gamma RII in monocytic THP-1 cells. 1995 , 305 (Pt 2), 669-74	63
2091	src-homology 2 (SH2) domain ligation as an allosteric regulator: modulation of phosphoinositide-specific phospholipase C gamma 1 structure and activity. 1995 , 305 (Pt 3), 745-51	26
2090	bFGF and aFGF induce membrane ruffling in breast cancer cells but not in normal breast epithelial cells: FGFR-4 involvement. 1995 , 306 (Pt 2), 609-16	41
2089	The regulation of tyrosine kinase signalling pathways by growth factor and G-protein-coupled receptors. 1995 , 309 (Pt 2), 361-75	254
2088	Colworth Medal Lecture. Molecules mediating signals. 1995 , 23, 207-21	21
2087	Biochemical analysis of SH2 domain-mediated protein interactions. 1995 , 254, 503-23	10
2086	SH2 domain specificity determination using oriented phosphopeptide library. 1995 , 254, 523-35	31
2085	Chapter 24. SH2 and SH3 Domains: Choreographers of Multiple Signaling Pathways. 1995 , 30, 227-237	23
2084	Phosphorylation-dependent complexes of p120 Ras-specific GTPase-activating protein with p62 and p190. 1995 , 255, 179-92	6
2083	Detection of SH3-binding proteins in total cell lysates with glutathione S-transferase-SH3 fusion proteins: SH3 blot assay. 1995 , 255, 369-78	14
2082	Phage display selection of ligand residues important for Src homology 3 domain binding specificity. 1995 , 92, 10909-13	174
2081	Identification of Rap1 as a target for the Crk SH3 domain-binding guanine nucleotide-releasing factor C3G. 1995 , 15, 6746-53	328
2080	Phosphotyrosine-dependent interaction of SHC and insulin receptor substrate 1 with the NPEY motif of the insulin receptor via a novel non-SH2 domain. 1995 , 15, 2500-8	347
2079	Insulin-stimulated disassociation of the SOS-Grb2 complex. 1995 , 15, 2791-9	97
2078	Constitutive phosphorylation of eps8 in tumor cell lines: relevance to malignant transformation. 1995 , 15, 3805-12	67
2077	Analysis of the interaction of ZAP-70 and syk protein-tyrosine kinases with the T-cell antigen receptor by plasmon resonance. 1995 , 92, 5106-10	123
2076	Modification of Ser59 in the unique N-terminal region of tyrosine kinase p56lck regulates specificity of its Src homology 2 domain. 1995 , 92, 5778-82	49
2075	Wiskott-Aldrich syndrome protein physically associates with Nck through Src homology 3 domains. 1995 , 15, 5725-31	298

2074	pp125FAK-dependent tyrosine phosphorylation of paxillin creates a high-affinity binding site for Crk. 1995 , 15, 2635-45	485
2073	Identification of the binding site for the Shc protein to the avian erythroblastosis virus (AEV-H) v-erbB protein. 1995 , 206, 269-75	8
2072	Nonreceptor protein tyrosine kinase involvement in signal transduction and immunodeficiency disease. 1995 , 76, S151-7	2
2071	Evidence that SH2 domains promote processive phosphorylation by protein-tyrosine kinases. 1995 , 5, 296-305	266
2070	A conserved amino-terminal Shc domain binds to phosphotyrosine motifs in activated receptors and phosphopeptides. 1995 , 5, 404-12	166
2069	Recognition and specificity in protein tyrosine kinase-mediated signalling. 1995 , 20, 470-5	322
2068	Why two heads are better. 1995 , 3, 977-80	3
2067	Solution structure of the C-terminal SH2 domain of the human tyrosine kinase Syk complexed with a phosphotyrosine pentapeptide. 1995 , 3, 1061-73	50
2066	The role of gastrin and cholecystokinin in normal and neoplastic gastrointestinal growth. 1995 , 10, 215-32	58
2065	Two Regions with Differential Growth-Modulating Activity in the N-Terminal Domain of Ras GTPase-Activating Protein (p120GAP). 1995 , 232, 691-699	5
2064	Effects of growth factors on phosphatidylinositol-3 kinase in astroglial cells. 1995 , 40, 737-46	20
2063	LET-23-mediated signal transduction during <i>Caenorhabditis elegans</i> development. 1995 , 42, 523-8	26
2062	Structure-function relationships in Src family and related protein tyrosine kinases. 1995 , 17, 321-30	180
2061	Induction of interleukin-2 transcription by the hamster polyomavirus middle T antigen: a role for Fyn in T cell signal transduction. 1995 , 25, 385-93	20
2060	Antibody ligation of CD7 leads to association with phosphoinositide 3-kinase and phosphatidylinositol 3,4,5-trisphosphate formation in T lymphocytes. 1995 , 25, 502-7	22
2059	Inhibition of CD28-mediated T cell costimulation by the phosphoinositide 3-kinase inhibitor wortmannin. 1995 , 25, 526-32	71
2058	Phosphotyrosine-dependent association between CD22 and protein tyrosine phosphatase 1C. 1995 , 25, 1573-9	109
2057	Human CD6 possesses a large, alternatively spliced cytoplasmic domain. 1995 , 25, 2765-9	31

2056	Human T lymphocyte activation induces tyrosine phosphorylation of alpha-tubulin and its association with the SH2 domain of the p59fyn protein tyrosine kinase. 1995 , 25, 3290-7	49
2055	Cell density-dependent regulation of PLC gamma 1 tyrosine phosphorylation and catalytic activity in an intestinal cell line (IEC-6). 1995 , 162, 427-33	12
2054	Growth cone enrichment and cytoskeletal association of non-receptor tyrosine kinases. 1995 , 30, 194-207	49
2053	Enantioselective synthesis of N-fmoc protected di-tert-butyl 4-phosphonomethyl-L-phenylalanine : a hydrolytically stable analogue of O-phosphotyrosine. 1995 , 6, 647-650	18
2052	Role of tyrosine kinases in lymphocyte activation: targets for drug intervention. 1995 , 44, 357-71	16
2051	Heterodimerization and functional interaction between EGF receptor family members: a new signaling paradigm with implications for breast cancer research. 1995 , 35, 115-32	323
2050	Aberrant function of the Ras signal transduction pathway in human breast cancer. 1995 , 35, 133-44	176
2049	Atypical phytochrome gene structure in the green alga <i>Mesotaenium caldariorum</i> . 1995 , 29, 1127-42	79
2048	Tripeptides as selective inhibitors of src-SH2 phosphoprotein interactions. 1995 , 2, 1-6	17
2047	Analysis of mammalian MUC1 genes reveals potential functionally important domains. 1995 , 6, 885-8	53
2046	Differentiation of peptide molecular recognition by phospholipase C gamma-1 Src homology-2 domain and a mutant Tyr phosphatase PTP1bC215S. 1995 , 4, 13-20	2
2045	Tyrosine phosphorylation of the proto-oncogene product Vav and its association with the adapter Grb2/Ash in a human leukemia cell line UT-7. 1995 , 86, 336-41	8
2044	c-Cbl is inducibly tyrosine-phosphorylated by epidermal growth factor stimulation in fibroblasts, and constitutively tyrosine-phosphorylated and associated with v-Src in v-src-transformed fibroblasts. 1995 , 86, 1119-26	17
2043	Protein-tyrosine kinases. Getting down to specifics. 1995 , 373, 477-8	75
2042	Catalytic specificity of protein-tyrosine kinases is critical for selective signalling. 1995 , 373, 536-9	876
2041	Protein modules and signalling networks. 1995 , 373, 573-80	2236
2040	A novel receptor involved in T-cell activation. 1995 , 376, 260-3	398
2039	A method to predict functional residues in proteins. 1995 , 2, 171-8	329

2038	Protein tyrosine phosphatases take off. 1995 , 2, 1043-53	154
2037	Structure-activity studies of phosphorylated peptide inhibitors of the association of phosphatidylinositol 3-kinase with PDGF-beta receptor. 1995 , 3, 1263-72	6
2036	Tyrosine kinases: modular signaling enzymes with tunable specificities. 1995 , 2, 509-14	40
2035	SH2 domain structure and function. 1995 , 1242, 61-75	14
2034	SH2 and SH3 domains: potential targets for anti-cancer drug design. 1995 , 34, 125-32	67
2033	L-O-(2-malonyl)tyrosine: a new phosphotyrosyl mimetic for the preparation of Src homology 2 domain inhibitory peptides. 1995 , 38, 4270-5	71
2032	Interaction between erbB-receptors and heregulin in breast cancer tumor progression and drug resistance. 1995 , 6, 135-45	48
2031	Tyrosine kinases in megakaryocytopoiesis. 1995 , 13, 380-92	2
2030	The synthesis and compositional analysis of phosphopeptides. 1995 , 4, 139-49	1
2029	Association of p62, a multifunctional SH2- and SH3-domain-binding protein, with src family tyrosine kinases, Grb2, and phospholipase C gamma-1. 1995 , 15, 186-97	193
2028	Crk interacts with tyrosine-phosphorylated p116 upon T cell activation. 1995 , 270, 2893-6	67
2027	Early Events in Mast Cell Signal Transduction. 1995 , 61, 72-87	14
2026	Biochemical and genetic analysis of the Drk SH2/SH3 adaptor protein of Drosophila.. 1995 , 14, 2509-2518	51
2025	Human Lp(a): regions in sequences of apoproteins similar to domains in signal transduction proteins. 1995 , 1, 440-8	1
2024	Construction of an SH2 domain-binding site with mixed specificity. 1995 , 270, 3858-62	20
2023	The SH3 domain-binding T cell tyrosyl phosphoprotein p120. Demonstration of its identity with the c-cbl protooncogene product and in vivo complexes with Fyn, Grb2, and phosphatidylinositol 3-kinase. 1995 , 270, 19141-50	165
2022	Autophosphorylation induces autoactivation and a decrease in the Src homology 2 domain accessibility of the Lyn protein kinase. 1995 , 270, 29773-80	45
2021	Lck unique domain influences Lck specificity and biological function. 1995 , 270, 3385-91	28

2020	Interaction of p72syk with the gamma and beta subunits of the high-affinity receptor for immunoglobulin E, Fc epsilon RI. 1995 , 15, 272-81	131
2019	Characterization of a novel Src-like adapter protein that associates with the Eck receptor tyrosine kinase. 1995 , 270, 19201-4	90
2018	Cellular Functions of Protein Kinases. 1995 , 48-56	2
2017	Signal transduction by the alpha 6 beta 4 integrin: distinct beta 4 subunit sites mediate recruitment of Shc/Grb2 and association with the cytoskeleton of hemidesmosomes.. 1995 , 14, 4470-4481	188
2016	Interaction of the Flt-1 tyrosine kinase receptor with the p85 subunit of phosphatidylinositol 3-kinase. Mapping of a novel site involved in binding. 1995 , 270, 20254-7	103
2015	An epidermal growth factor receptor-leukocyte tyrosine kinase chimeric receptor generates ligand-dependent growth signals through the Ras signaling pathway. 1995 , 270, 20135-42	30
2014	Shc and a novel 89-kDa component couple to the Grb2-Sos complex in fibroblast growth factor-2-stimulated cells. 1995 , 270, 23337-44	96
2013	A single point mutation switches the specificity of group III Src homology (SH) 2 domains to that of group I SH2 domains. 1995 , 270, 26029-32	59
2012	F2(Pmp)2-TAM zeta 3, a novel competitive inhibitor of the binding of ZAP-70 to the T cell antigen receptor, blocks early T cell signaling. 1995 , 270, 944-8	78
2011	The Ret receptor protein tyrosine kinase associates with the SH2-containing adapter protein Grb10. 1995 , 270, 21461-3	104
2010	The phosphotyrosine interaction domain of SHC recognizes tyrosine-phosphorylated NPXY motif. 1995 , 270, 14863-6	152
2009	Localization of the insulin-like growth factor I receptor binding sites for the SH2 domain proteins p85, Syp, and GTPase activating protein. 1995 , 270, 19151-7	48
2008	Insulin-like growth factor-I stimulates tyrosine phosphorylation of endogenous c-Crk. 1995 , 270, 5187-90	97
2007	Characterization of two activated mutants of human pp60c-src that escape c-Src kinase regulation by distinct mechanisms. 1995 , 270, 24222-8	50
2006	Specificity of the PTB domain of Shc for beta turn-forming pentapeptide motifs amino-terminal to phosphotyrosine. 1995 , 270, 18205-8	83
2005	Cloning and characterization of cell adhesion kinase beta, a novel protein-tyrosine kinase of the focal adhesion kinase subfamily. 1995 , 270, 21206-19	333
2004	Phosphorylation of tyrosyl residues 350/354 of the beta-adrenergic receptor is obligatory for counterregulatory effects of insulin. 1995 , 270, 25305-8	62
2003	The SH3 domain of Crk binds specifically to a conserved proline-rich motif in Eps15 and Eps15R. 1995 , 270, 15341-7	80

2002	Direct coupling of an automated 2-dimensional microcolumn affinity chromatography-capillary HPLC system with mass spectrometry for biomolecule analysis. 1995 , 6, 39-46	23
2001	T cell activation-dependent association between the p85 subunit of the phosphatidylinositol 3-kinase and Grb2/phospholipase C-gamma 1-binding phosphotyrosyl protein pp36/38. 1995 , 270, 20177-82	70
2000	Identification of a new adapter protein that may link the common beta subunit of the receptor for granulocyte/macrophage colony-stimulating factor, interleukin (IL)-3, and IL-5 to phosphatidylinositol 3-kinase. 1995 , 270, 27817-22	41
1999	The proto-oncogene product c-Cbl becomes tyrosine phosphorylated by stimulation with GM-CSF or Epo and constitutively binds to the SH3 domain of Grb2/Ash in human hematopoietic cells. 1995 , 270, 10800-5	154
1998	Cytotoxic T lymphocyte-associated molecule-4, a high-avidity receptor for CD80 and CD86, contains an intracellular localization motif in its cytoplasmic tail. 1995 , 270, 25107-14	132
1997	Phosphorylation of tyrosine 503 in the erythropoietin receptor (Epr) is essential for binding the P85 subunit of phosphatidylinositol (PI) 3-kinase and for Epr-associated PI 3-kinase activity. 1995 , 270, 23402-8	126
1996	Characterization of tyrosine phosphorylation of paxillin in vitro by focal adhesion kinase. 1995 , 270, 17437-41	269
1995	Molecular actions of insulin on glucose transport. 1995 , 15, 441-71	91
1994	Molecular basis of mammalian egg activation. 1995 , 30, 21-62	190
1993	Prediction and analysis of SH2 domain-phosphopeptide interactions. 1995 , 8, 527-33	14
1992	Syp associates with gp130 and Janus kinase 2 in response to interleukin-11 in 3T3-L1 mouse preadipocytes. 1995 , 270, 24826-30	47
1991	Wortmannin blocks lipid and protein kinase activities associated with PI 3-kinase and inhibits a subset of responses induced by Fc epsilon R1 cross-linking. 1995 , 6, 1145-58	123
1990	CD28 and CTLA-4 have opposing effects on the response of T cells to stimulation. 1995 , 182, 459-65	1595
1989	Src homology 2 domain as a specificity determinant in the c-Abl-mediated tyrosine phosphorylation of the RNA polymerase II carboxyl-terminal repeated domain. 1995 , 92, 1555-9	98
1988	Growth hormone-promoted tyrosyl phosphorylation of SHC proteins and SHC association with Grb2. 1995 , 270, 7587-93	122
1987	Sequence requirements for binding of Src family tyrosine kinases to activated growth factor receptors. 1995 , 270, 9840-8	146
1986	Both interleukin 4 and interleukin 13 induce tyrosine phosphorylation of the 140-kDa subunit of the interleukin 4 receptor. 1995 , 270, 966-70	114
1985	HER4 receptor activation and phosphorylation of Shc proteins by recombinant heregulin-Fc fusion proteins. 1995 , 270, 12857-63	23

1984	The SH2 domains of Src family kinases associate with Syk. 1995 , 270, 15658-63	26
1983	CRKL links p210BCR/ABL with paxillin in chronic myelogenous leukemia cells. 1995 , 270, 29145-50	97
1982	Molecular and cellular aspects of X-linked agammaglobulinemia. 1995 , 59, 135-223	99
1981	A new human gene from the Down syndrome critical region encodes a proline-rich protein highly expressed in fetal brain and heart. 1995 , 4, 1935-44	212
1980	Non-Receptor Protein Tyrosine Kinases. 1995 , 49-59	2
1979	Human spleen tyrosine kinase p72Syk associates with the Src-family kinase p53/56Lyn and a 120-kDa phosphoprotein. 1995 , 92, 359-63	65
1978	Possible v-Crk-induced transformation through activation of Src kinases. 1995 , 270, 31219-24	20
1977	Growth hormone-dependent phosphorylation of tyrosine 333 and/or 338 of the growth hormone receptor. 1995 , 270, 21738-44	31
1976	Paxillin, a tyrosine phosphorylated focal adhesion-associated protein binds to the carboxyl terminal domain of focal adhesion kinase. 1995 , 6, 637-47	310
1975	PTB domain binding to signaling proteins through a sequence motif containing phosphotyrosine. 1995 , 268, 1177-9	236
1974	Crystal structure of the mammalian Grb2 adaptor. 1995 , 268, 291-3	179
1973	ZAP-70 binding specificity to T cell receptor tyrosine-based activation motifs: the tandem SH2 domains of ZAP-70 bind distinct tyrosine-based activation motifs with varying affinity. 1995 , 181, 375-80	161
1972	A novel role for IgG-Fc. Transductional potentiation for human high affinity Fc gamma receptor (Fc gamma RI) signaling. 1995 , 270, 8164-71	14
1971	Interaction of a tyrosine kinase from human sperm with the zona pellucida at fertilization. 1995 , 269, 83-6	152
1970	Heregulin-stimulated signaling in rat pheochromocytoma cells. Evidence for ErbB3 interactions with Neu/ErbB2 and p85. 1995 , 270, 19022-7	43
1969	The MATK tyrosine kinase interacts in a specific and SH2-dependent manner with c-Kit. 1995 , 270, 9661-6	23
1968	Involvement of SH2-containing phosphotyrosine phosphatase Syp in erythropoietin receptor signal transduction pathways. 1995 , 270, 5631-5	127
1967	enabled, a dosage-sensitive suppressor of mutations in the Drosophila Abl tyrosine kinase, encodes an Abl substrate with SH3 domain-binding properties. 1995 , 9, 521-33	219

1966	Heregulin stimulates mitogenesis and phosphatidylinositol 3-kinase in mouse fibroblasts transfected with erbB2/neu and erbB3. 1995 , 270, 7111-6	122
1965	Identification of the major SHPTP2-binding protein that is tyrosine-phosphorylated in response to insulin. 1995 , 270, 17716-22	40
1964	Src phosphorylation of the epidermal growth factor receptor at novel sites mediates receptor interaction with Src and P85 alpha. 1995 , 270, 15591-7	168
1963	Transformation and pp60v-src autophosphorylation correlate with SHC-GRB2 complex formation in rat and chicken cells expressing host-range and kinase-active, transformation-defective alleles of v-src. 1995 , 6, 953-66	11
1962	The protein product of the c-cbl protooncogene is phosphorylated after B cell receptor stimulation and binds the SH3 domain of Bruton's tyrosine kinase. 1995 , 182, 611-5	125
1961	The Drosophila insulin receptor contains a novel carboxyl-terminal extension likely to play an important role in signal transduction. 1995 , 270, 4236-43	72
1960	Syk and ZAP-70 mediate recruitment of p56lck/CD4 to the activated T cell receptor/CD3/zeta complex. 1995 , 181, 1997-2006	120
1959	Identification of a putative Syp substrate, the PDGF beta receptor. 1995 , 270, 22208-17	134
1958	Association of activated phosphatidylinositol 3-kinase with p120cbl in antigen receptor-ligated B cells. 1995 , 270, 27504-9	55
1957	Interleukin-13 signal transduction in lymphohemopoietic cells. Similarities and differences in signal transduction with interleukin-4 and insulin. 1995 , 270, 12286-96	116
1956	Identification of Lck-binding elements in tip of herpesvirus saimiri. 1995 , 270, 20660-7	80
1955	A role for phosphatidylinositol 3-kinase in the regulation of beta 1 integrin activity by the CD2 antigen. 1995 , 131, 1867-80	109
1954	Direct association of pp125FAK with paxillin, the focal adhesion-targeting mechanism of pp125FAK. 1995 , 182, 1089-99	239
1953	p80/85 cortactin associates with the Src SH2 domain and colocalizes with v-Src in transformed cells. 1995 , 270, 26613-8	99
1952	p190-B, a new member of the Rho GAP family, and Rho are induced to cluster after integrin cross-linking. 1995 , 270, 30919-26	102
1951	Syk is activated by phosphotyrosine-containing peptides representing the tyrosine-based activation motifs of the high affinity receptor for IgE. 1995 , 270, 10498-502	163
1950	Measurement of the binding of tyrosyl phosphopeptides to SH2 domains: a reappraisal. 1995 , 92, 3199-203	251
1949	A divalent metal ion binding site in the kinase insert domain of the alpha-platelet-derived growth factor receptor regulates its association with SH2 domains. 1995 , 34, 2095-106	10

1948	In vitro phosphorylation of the epidermal growth factor receptor autophosphorylation domain by c-src: identification of phosphorylation sites and c-src SH2 domain binding sites. 1995 , 34, 16456-66	56
1947	Catalytic activity of the SH2 domain of human pp60c-src; evidence from NMR, mass spectrometry, site-directed mutagenesis and kinetic studies for an inherent phosphatase activity. 1995 , 34, 15351-8	10
1946	Solution structure of the human pp60c-src SH2 domain complexed with a phosphorylated tyrosine pentapeptide. 1995 , 34, 2107-21	87
1945	Direct determination of the sequence recognition requirements of the SH2 domains of SH-PTP2. 1995 , 34, 1040-9	52
1944	Mechanisms of CD28 signalling. 1995 , 146, 149-54	9
1943	Molecular mechanism of T-cell activation: role of protein tyrosine kinases in antigen receptor-mediated signal transduction. 1995 , 146, 291-307	10
1942	Significance of PIP2 hydrolysis and regulation of phospholipase C isozymes. 1995 , 7, 183-9	273
1941	Neuregulins and their receptors. 1995 , 5, 606-12	146
1940	Interactions of TCR tyrosine based activation motifs with tyrosine kinases. 1995 , 7, 13-20	17
1939	The tyrosine activation motif as a target of protein tyrosine kinases and SH2 domains. 1995 , 7, 21-7	52
1938	Signal transduction through the conserved motifs of the high affinity IgE receptor Fc epsilon RI. 1995 , 7, 29-35	46
1937	Structure/function relationships of Fc gamma receptors in phagocytosis. 1995 , 7, 45-54	37
1936	Stat recruitment by tyrosine-phosphorylated cytokine receptors: an ordered reversible affinity-driven process. 1995 , 2, 677-87	251
1935	Manipulation of B cell antigen receptor tyrosine phosphorylation using aluminum fluoride and sodium orthovanadate. 1995 , 32, 1283-94	13
1934	Cloning of the rat ErbB3 cDNA and characterization of the recombinant protein. 1995 , 165, 279-84	31
1933	Identification of a nef allele that causes lymphocyte activation and acute disease in macaque monkeys. <i>Cell</i> , 1995 , 82, 665-74	56.2 234
1932	Phosphatidylinositol (3,4,5)P3 interacts with SH2 domains and modulates PI 3-kinase association with tyrosine-phosphorylated proteins. <i>Cell</i> , 1995 , 83, 821-30	56.2 296
1931	Specific recruitment of SH-PTP1 to the erythropoietin receptor causes inactivation of JAK2 and termination of proliferative signals. <i>Cell</i> , 1995 , 80, 729-38	56.2 893

1930	Modular binding domains in signal transduction proteins. <i>Cell</i> , 1995 , 80, 237-48	56.2	935
1929	The SH2-containing protein-tyrosine phosphatase SH-PTP2 is required upstream of MAP kinase for early <i>Xenopus</i> development. <i>Cell</i> , 1995 , 80, 473-83	56.2	301
1928	Abl tyrosine protein kinase. 1995 , 7, 255-66		63
1927	The crystal structures of the SH2 domain of p56lck complexed with two phosphopeptides suggest a gated peptide binding site. 1995 , 246, 344-55		41
1926	The Grb2 adaptor. 1995 , 369, 47-51		100
1925	Regulation of the Src protein tyrosine kinase. 1995 , 369, 62-6		59
1924	Interaction of p85 subunit of PI 3-kinase with insulin and IGF-1 receptors analysed by using the two-hybrid system. 1995 , 373, 51-5		27
1923	Lasp-1 (MLN 50) defines a new LIM protein subfamily characterized by the association of LIM and SH3 domains. 1995 , 373, 245-9		115
1922	Phosphorylation of the nicotinic acetylcholine receptor by protein tyrosine kinases. 1995 , 757, 197-214		48
1921	Coreceptors and adapter proteins in T-cell signaling. 1995 , 766, 117-33		5
1920	Signal transduction mediated by the T-cell antigen receptor. 1995 , 766, 157-72		21
1919	Common and distinct elements in insulin and PDGF signaling. 1995 , 766, 369-87		9
1918	Expression of ret in the chicken embryo suggests roles in regionalisation of the vagal neural tube and somites and in development of multiple neural crest and placodal lineages. 1995 , 53, 329-44		67
1917	Determination of receptor-ligand kinetic and equilibrium binding constants using surface plasmon resonance: application to the lck SH2 domain and phosphotyrosyl peptides. 1995 , 38, 1309-18		75
1916	The CD19/CR2/TAPA-1 complex of B lymphocytes: linking natural to acquired immunity. 1995 , 13, 127-49		417
1915	Naturally occurring anti-idiotypic antibodies to anti-phosphotyrosine in systemic lupus erythematosus interact with SRC-homology 2 domains. 1995 , 22, 81-6		1
1914	Integrins: emerging paradigms of signal transduction. 1995 , 11, 549-99		1421
1913	Choice of STATs and other substrates specified by modular tyrosine-based motifs in cytokine receptors. 1995 , 267, 1349-53		921

1912	Synapse-specific gene expression. 1995 , 6, 175-183	6
1911	Integral membrane protein 2 of Epstein-Barr virus regulates reactivation from latency through dominant negative effects on protein-tyrosine kinases. 1995 , 2, 155-66	267
1910	Transcriptional responses to polypeptide ligands: the JAK-STAT pathway. 1995 , 64, 621-51	1619
1909	Expression of Xkl-1, a Xenopus gene related to mammalian c-kit, in dorsal embryonic tissue. 1995 , 50, 57-69	21
1908	A heterotrimeric GTPase-regulated isoform of PI3K and the regulation of its potential effectors. 1996 , 351, 211-5	20
1907	Correlation between dynamics and high affinity binding in an SH2 domain interaction. 1996 , 35, 361-8	225
1906	SH2 domains mediate the sequential phosphorylation of HS1 protein by p72syk and Src-related protein tyrosine kinases. 1996 , 35, 5327-32	51
1905	NMR analysis of interactions of a phosphatidylinositol 3'-kinase SH2 domain with phosphotyrosine peptides reveals interdependence of major binding sites. 1996 , 35, 15570-81	18
1904	Characterization of SH2-ligand interactions via library affinity selection with mass spectrometric detection. 1996 , 35, 11747-55	65
1903	Alternative modes of tyrosyl phosphopeptide binding to a Src family SH2 domain: implications for regulation of tyrosine kinase activity. 1996 , 35, 11062-9	41
1902	Determination of affinities for lck SH2 binding peptides using a sensitive fluorescence assay: comparison between the pYEEIP and pYQPQP consensus sequences reveals context-dependent binding specificity. 1996 , 35, 16746-52	33
1901	The three-dimensional solution structure of the SH2 domain from p55blk kinase. 1996 , 35, 6201-11	26
1900	Identification of tyrosine 489 in the carboxy terminus of the Tpr-Met oncoprotein as a major site of autophosphorylation. 1996 , 35, 1010-7	17
1899	Structural Characterization of the Phosphotyrosine Binding Region of a High-Affinity SH2 Domain-Phosphopeptide Complex by Molecular Dynamics Simulation and Chemical Shift Calculations. 1996 , 118, 11265-11277	42
1898	Cloning and expression of the chicken protein tyrosine phosphatase SH-PTP2. 1996 , 177, 93-7	4
1897	Regulation of Epstein-Barr virus latency by latent membrane protein 2. 1996 , 4, 38-42	62
1896	Mechanism of action of platelet-derived growth factor. 1996 , 28, 373-85	75
1895	Compartmentalization of B-cell antigen receptor functions. 1996 , 33, 769-75	2

1894	Alternative binding of p56lck and phosphatidylinositol 3-kinase in T cells by sulfhydryl oxidation: implication of aberrant signaling due to oxidative stress in T lymphocytes. 1996 , 33, 855-65		16
1893	Molecular cloning of bovine mb-1 cDNA. 1996 , 52, 191-200		6
1892	Association of phosphatidylinositol 3-kinase, via the SH2 domains of p85, with focal adhesion kinase in polyoma middle t-transformed fibroblasts. 1996 , 1311, 45-52		32
1891	Association of the protein tyrosine phosphatase PTP1C with the protein tyrosine kinase c-Src in human platelets. 1996 , 383, 165-9		33
1890	Sam68 from an immortalised B-cell line associates with a subset of SH3 domains. 1996 , 389, 141-4		12
1889	A possible tyrosine phosphorylation of phytochrome. 1996 , 393, 161-6		11
1888	Crystal structures of the human p56lck SH2 domain in complex with two short phosphotyrosyl peptides at 1.0 Å and 1.8 Å resolution. 1996 , 256, 601-10		92
1887	An evolutionary trace method defines binding surfaces common to protein families. 1996 , 257, 342-58		1030
1886	Complex formation of JAK2 with PP2A, P13K, and Yes in response to the hematopoietic cytokine interleukin-11. 1996 , 224, 289-96		56
1885	Tyrosine phosphorylation of I kappa B-alpha activates NF-kappa B without proteolytic degradation of I kappa B-alpha. <i>Cell</i> , 1996 , 86, 787-98	56.2	643
1884	DOS, a novel pleckstrin homology domain-containing protein required for signal transduction between sevenless and Ras1 in <i>Drosophila</i> . <i>Cell</i> , 1996 , 85, 911-20	56.2	182
1883	Uncoupling of Grb2 from the Met receptor in vivo reveals complex roles in muscle development. <i>Cell</i> , 1996 , 87, 531-42	56.2	275
1882	Reexamining interaction of the SH2 domains of SYP and GAP with insulin and IGF-1 receptors in the two-hybrid system. 1996 , 182, 77-80		4
1881	Signal transduction: specificity of growth factors explained by parallel distributed processing. 1996 , 47, 249-55		13
1880	p21ras in carcinogenesis. 1996 , 192, 658-68		10
1879	Rapid Identification of Phosphopeptide Ligands for SH2 Domains. 1996 , 271, 16500-16505		47
1878	Recruitment of tyrosine phosphatase HCP by the killer cell inhibitor receptor. 1996 , 4, 77-85		560
1877	Upstream-downstream: CD28 cosignaling pathways and T cell function. 1996 , 4, 527-34		203

1876	H-RYK, an Unusual Receptor Kinase: Isolation and Analysis of Expression in Ovarian Cancer. 1996 , 2, 189-203	26
1875	. 1996 ,	49
1874	. 1996 ,	88
1873	A mammalian adaptor protein with conserved Src homology 2 and phosphotyrosine-binding domains is related to Shc and is specifically expressed in the brain. 1996 , 93, 2729-34	92
1872	Structure of a specific peptide complex of the carboxy-terminal SH2 domain from the p85 alpha subunit of phosphatidylinositol 3-kinase.. 1996 , 15, 3579-3589	44
1871	Mutation of a Src phosphorylation site in the PDGF beta-receptor leads to increased PDGF-stimulated chemotaxis but decreased mitogenesis.. 1996 , 15, 5299-5313	93
1870	The Src SH3 domain is required for DNA synthesis induced by platelet-derived growth factor and epidermal growth factor. 1996 , 271, 16807-12	45
1869	Detection of a physical and functional interaction between Csk and Lck which involves the SH2 domain of Csk and is mediated by autophosphorylation of Lck on tyrosine 394. 1996 , 271, 7465-72	29
1868	Requirement of phospholipase C gamma, the tyrosine phosphatase Syp and the adaptor proteins Shc and Nck for PDGF-induced DNA synthesis: evidence for the existence of Ras-dependent and Ras-independent pathways.. 1996 , 15, 4940-4948	113
1867	STK/RON receptor tyrosine kinase mediates both apoptotic and growth signals via the multifunctional docking site conserved among the HGF receptor family.. 1996 , 15, 5866-5875	105
1866	Analysis of lipopolysaccharide-response genes in B-lineage cells demonstrates that they can have differentiation stage-restricted expression and contain SH2 domains. 1996 , 93, 3947-52	22
1865	Physical and functional interaction of Nef with Lck. HIV-1 Nef-induced T-cell signaling defects. 1996 , 271, 6333-41	136
1864	Branching tubulogenesis but not scatter of madin-darby canine kidney cells requires a functional Grb2 binding site in the Met receptor tyrosine kinase. 1996 , 271, 22211-7	66
1863	The SH2 domains of Stat1 and Stat2 mediate multiple interactions in the transduction of IFN-alpha signals.. 1996 , 15, 1075-1084	115
1862	Sequence requirements for the recognition of tyrosine-based endocytic signals by clathrin AP-2 complexes.. 1996 , 15, 5789-5795	211
1861	Liver regeneration 3: Regulation of signal transduction during liver regeneration. 1996 , 10, 215-27	208
1860	Phosphorylation of tyrosine 720 in the platelet-derived growth factor alpha receptor is required for binding of Grb2 and SHP-2 but not for activation of Ras or cell proliferation. 1996 , 16, 6926-36	58
1859	Interactions between STAT and non-STAT proteins in the interferon-stimulated gene factor 3 transcription complex. 1996 , 16, 6957-64	163

1858	The product of the cbl oncogene forms stable complexes in vivo with endogenous Crk in a tyrosine phosphorylation-dependent manner. 1996 , 16, 45-52	109
1857	A novel membrane glycoprotein, SHPS-1, that binds the SH2-domain-containing protein tyrosine phosphatase SHP-2 in response to mitogens and cell adhesion. 1996 , 16, 6887-99	385
1856	Constitutive activation of the RON gene promotes invasive growth but not transformation. 1996 , 16, 7072-83	87
1855	YMXM motifs and signaling by an insulin receptor substrate 1 molecule without tyrosine phosphorylation sites. 1996 , 16, 4147-55	81
1854	Identification of p130(cas) as a substrate for the cytosolic protein tyrosine phosphatase PTP-PEST. 1996 , 16, 6408-18	243
1853	The full oncogenic activity of Ret/ptc2 depends on tyrosine 539, a docking site for phospholipase Cgamma. 1996 , 16, 2151-63	164
1852	Differential activation of the Ras/extracellular-signal-regulated protein kinase pathway is responsible for the biological consequences induced by the Axl receptor tyrosine kinase. 1996 , 16, 135-45	144
1851	In vivo and in vitro specificity of protein tyrosine kinases for immunoglobulin G receptor (FcgammaRII) phosphorylation. 1996 , 16, 4735-43	43
1850	PDGF and FGF receptors in health and disease. 1996 , 179-228	3
1849	Oncogenic mutation in the Kit receptor tyrosine kinase alters substrate specificity and induces degradation of the protein tyrosine phosphatase SHP-1. 1996 , 93, 14665-9	145
1848	Non-receptor protein tyrosine kinases. 237-264	
1847	Controlling epidermal growth factor (EGF)-stimulated Ras activation in intact cells by a cell-permeable peptide mimicking phosphorylated EGF receptor. 1996 , 271, 27456-61	199
1846	Molecular cloning of a protein kinase whose phosphorylation is regulated by genetic adhesion during Chlamydomonas fertilization. 1996 , 93, 39-43	15
1845	Integrin engagement mediates tyrosine dephosphorylation on platelet-endothelial cell adhesion molecule 1. 1996 , 93, 11808-13	88
1844	Cytoskeleton and cell adhesion molecules in cell shape, growth regulation, and neoplasia. 1996 , 109-149	
1843	The MEN II syndromes and the role of the ret proto-oncogene. 1996 , 70, 179-222	47
1842	Signal Transduction in CellMatrix Interactions. 1996 , 168, 81-121	48
1841	CD28: a signalling perspective. 1996 , 318 (Pt 2), 361-77	138

1840	Insulin-induced tyrosine dephosphorylation of paxillin and focal adhesion kinase requires active phosphotyrosine phosphatase 1D. 1996 , 318 (Pt 2), 609-14	41
1839	Multiple Sequence Analysis of Natural and Synthetic Peptide Libraries. 287-301	
1838	Multiple tyrosine residues in the cytosolic domain of the erythropoietin receptor promote activation of STAT5. 1996 , 93, 8324-8	172
1837	The Grb2-mSos1 complex binds phosphopeptides with higher affinity than Grb2. 1996 , 271, 30472-8	57
1836	Molecular cloning of a phosphotyrosine-independent ligand of the p56lck SH2 domain. 1996 , 93, 5991-5	156
1835	Phosphorylated interferon-alpha receptor 1 subunit (IFNaR1) acts as a docking site for the latent form of the 113 kDa STAT2 protein.. 1996 , 15, 1064-1074	138
1834	SH2 domain protein interaction and possibilities for pharmacological intervention. 1996 , 8, 75-86	23
1833	Regulation, substrates and functions of src. 1996 , 1287, 121-49	431
1832	Activating mechanism of CNTF and related cytokines. 1996 , 12, 195-209	30
1831	Novel phosphotyrosine mimetics in the design of peptide ligands for pp60src SH2 domain. 1996 , 6, 1209-1214	28
1830	ErbB2 activation and signal transduction in normal and malignant mammary cells. 1996 , 1, 199-206	15
1829	Phosphorylation of myelin protein: recent advances. 1996 , 21, 527-35	36
1828	Characterisation of a new allele of pale cress and its role in greening in Arabidopsis thaliana. 1996 , 251, 532-41	10
1827	Evolution of the src-related protein tyrosine kinases. 1996 , 42, 247-56	13
1826	A comparative study of the phosphotyrosyl phosphatase specificity of protein phosphatase type 2A and phosphotyrosyl phosphatase type 1B using phosphopeptides and the phosphoproteins p50/HS1, c-Fgr and Lyn. 1996 , 236, 548-57	14
1825	New ligands binding to the human leukocyte antigen class II molecule DRB1*0101 based on the activity pattern of an undecapeptide library. 1996 , 240, 71-7	56
1824	Cloning and sequencing of human gp330, a Ca(2+)-binding receptor with potential intracellular signaling properties. 1996 , 239, 132-7	112
1823	The Schistosoma mansoni epidermal growth factor receptor homologue, SER, has tyrosine kinase activity and is localized in adult muscle. 1996 , 83, 1-10	46

1822	The PI/PTB domain: a new protein interaction domain involved in growth factor receptor signaling. 1996 , 128, 235-41	41
1821	Structure and function of vav. 1996 , 8, 545-53	48
1820	The role of Src family kinases in the normal and neoplastic gastrointestinal tract. 1996 , 5, 201-10	8
1819	Inhibition of FGF-stimulated phosphatidylinositol hydrolysis and neurite outgrowth by a cell-membrane permeable phosphopeptide. 1996 , 6, 580-7	113
1818	Mammalian NUMB is an evolutionarily conserved signaling adapter protein that specifies cell fate. 1996 , 6, 1134-45	142
1817	The Shc adaptor protein is highly phosphorylated at conserved, twin tyrosine residues (Y239/240) that mediate protein-protein interactions. 1996 , 6, 1435-44	195
1816	Intramolecular interactions of the regulatory domains of the Bcr-Abl kinase reveal a novel control mechanism. 1996 , 4, 1105-14	38
1815	Targeting signal transduction in the discovery of antiproliferative drugs. 1996 , 3, 887-93	26
1814	The protein interactions of the immunoglobulin receptor family tyrosine-based activation motifs present in the T cell receptor zeta subunits and the CD3 gamma, delta and epsilon chains. 1996 , 26, 1063-8	89
1813	Involvement of p72syk kinase, p53/56lyn kinase and phosphatidyl inositol-3 kinase in signal transduction via the human B lymphocyte antigen CD22. 1996 , 26, 1246-52	73
1812	The p56lck SH2 domain mediates recruitment of CD8/p56lck to the activated T cell receptor/CD3/zeta complex. 1996 , 26, 2093-2100	52
1811	Analysis of combinatorial libraries using electrospray Fourier transform ion cyclotron resonance mass spectrometry. 1996 , 10, 1860-4	47
1810	Differential and multiple binding of signal transducing molecules to the ITAMs of the TCR-zeta chain. 1996 , 63, 94-103	33
1809	New synthesis of D,L-fmoc protected 4- phosphonomethylphenylalanine derivatives and their enzymatic resolution. 1996 , 52, 2021-2030	11
1808	Tyrosine protein kinase assays. 1996 , 684, 179-99	7
1807	SH2 and SH3-containing adaptor proteins: redundant or independent mediators of intracellular signal transduction. 1996 , 1, 595-613	116
1806	Differentiation of T-helper lymphocytes: selective regulation by members of the STAT family of transcription factors. 1996 , 1, 507-15	11
1805	Determination of the solution structure of the SH3 domain of human p56 Lck tyrosine kinase. 1996 , 8, 105-22	20

1804	Vav: function and regulation in hematopoietic cell signaling. 1996 , 14, 250-68	30
1803	CTLA-4, a negative regulator of T-lymphocyte activation. 1996 , 153, 183-207	67
1802	Crystal structure of the PI 3-kinase p85 amino-terminal SH2 domain and its phosphopeptide complexes. 1996 , 3, 364-74	116
1801	Structural basis for specificity of Grb2-SH2 revealed by a novel ligand binding mode. 1996 , 3, 586-9	205
1800	Affinity-based screening of combinatorial libraries using automated, serial-column chromatography. 1996 , 14, 504-7	22
1799	Cloning of ligand targets: systematic isolation of SH3 domain-containing proteins. 1996 , 14, 741-4	204
1798	The role of CTLA-4 in the regulation and initiation of T-cell responses. 1996 , 153, 27-46	183
1797	Multiple intracellular MAP kinase signaling cascades. 1996 , 49, 1187-98	142
1796	A Grb2-associated docking protein in EGF- and insulin-receptor signalling. 1996 , 379, 560-4	619
1795	The tyrosine phosphatase PTP1C associates with Vav, Grb2, and mSos1 in hematopoietic cells. 1996 , 271, 3856-62	105
1794	p150TSP, a conserved nuclear phosphoprotein that contains multiple tetratricopeptide repeats and binds specifically to SH2 domains. 1996 , 271, 6952-62	19
1793	CD22 associates with protein tyrosine phosphatase 1C, Syk, and phospholipase C-gamma(1) upon B cell activation. 1996 , 183, 547-60	186
1792	Qualitative and quantitative contributions of the T cell receptor zeta chain to mature T cell apoptosis. 1996 , 183, 2109-17	85
1791	Cooperativity and segregation of function within the Ig-alpha/beta heterodimer of the B cell antigen receptor complex. 1996 , 271, 5158-63	37
1790	SH2 domain function is essential for the role of the Lck tyrosine kinase in T cell receptor signal transduction. 1996 , 271, 9976-81	81
1789	A physical interaction between the cell death protein Fas and the tyrosine kinase p59fynT. 1996 , 271, 5968-71	58
1788	In vivo association of v-Abl with Shc mediated by a non-phosphotyrosine-dependent SH2 interaction. 1996 , 271, 4640-5	57
1787	Distinct tyrosine residues within the interleukin-2 receptor beta chain drive signal transduction specificity, redundancy, and diversity. 1996 , 271, 21381-90	67

1786	Identification of tyrosine residues in the intracellular domain of the growth hormone receptor required for transcriptional signaling and Stat5 activation. 1996 , 271, 12669-73	84
1785	Association between receptor protein-tyrosine phosphatase RPTPalpha and the Grb2 adaptor. Dual Src homology (SH) 2/SH3 domain requirement and functional consequences. 1996 , 271, 28086-96	50
1784	Specificity of LIM domain interactions with receptor tyrosine kinases. 1996 , 271, 15934-41	78
1783	Beta-tubulin binds Src homology 2 domains through a region different from the tyrosine-phosphorylated protein-recognizing site. 1996 , 271, 27931-5	25
1782	Autophosphorylation of the Fes tyrosine kinase. Evidence for an intermolecular mechanism involving two kinase domain tyrosine residues. 1996 , 271, 17519-25	50
1781	Insulin-like growth factor receptor-1 stimulates phosphorylation of the beta2-adrenergic receptor in vivo on sites distinct from those phosphorylated in response to insulin. 1996 , 271, 29347-52	49
1780	HER4-mediated biological and biochemical properties in NIH 3T3 cells. Evidence for HER1-HER4 heterodimers. 1996 , 271, 4813-8	70
1779	Drosophila terminal structure development is regulated by the compensatory activities of positive and negative phosphotyrosine signaling sites on the Torso RTK. 1996 , 10, 566-77	42
1778	Phosphatidylinositol-3' kinase is not required for mitogenesis or internalization of the Flt3/Flk2 receptor tyrosine kinase. 1996 , 271, 20075-81	29
1777	Coordinate activation of c-Src by SH3- and SH2-binding sites on a novel p130Cas-related protein, Sin. 1996 , 10, 1341-55	207
1776	Interaction between the insulin receptor and its downstream effectors. Use of individually expressed receptor domains for structure/function analysis. 1996 , 271, 6998-7003	34
1775	Granulocyte-macrophage colony-stimulating factor provokes RAS activation and transcription of c-fos through different modes of signaling. 1996 , 271, 7587-92	73
1774	The beta-adrenergic receptor is a substrate for the insulin receptor tyrosine kinase. 1996 , 271, 1061-4	85
1773	Modulation of the SH2 binding specificity and kinase activity of Src by tyrosine phosphorylation within its SH2 domain. 1996 , 271, 12481-7	63
1772	A mutation at tyrosine 1062 in MEN2A-Ret and MEN2B-Ret impairs their transforming activity and association with shc adaptor proteins. 1996 , 271, 17644-9	131
1771	Interferon-alpha-dependent activation of Tyk2 requires phosphorylation of positive regulatory tyrosines by another kinase. 1996 , 271, 20494-500	134
1770	Ligand activation of ELK receptor tyrosine kinase promotes its association with Grb10 and Grb2 in vascular endothelial cells. 1996 , 271, 23588-93	112
1769	Interactions between Src homology (SH) 2/SH3 adapter proteins and the guanylnucleotide exchange factor SOS are differentially regulated by insulin and epidermal growth factor. 1996 , 271, 25533-8	37

1768	Enhanced tumorigenic behavior of glioblastoma cells expressing a truncated epidermal growth factor receptor is mediated through the Ras-Shc-Grb2 pathway. 1996 , 271, 25639-45	127
1767	Identification of regions of the Wiskott-Aldrich syndrome protein responsible for association with selected Src homology 3 domains. 1996 , 271, 26291-5	59
1766	Thermodynamic studies of SHC phosphotyrosine interaction domain recognition of the NPXpY motif. 1996 , 271, 4770-5	28
1765	Nucleotide binding by the epidermal growth factor receptor protein-tyrosine kinase. Trinitrophenyl-ATP as a spectroscopic probe. 1996 , 271, 311-8	27
1764	Binding specificity and mutational analysis of the phosphotyrosine binding domain of the brain-specific adaptor protein ShcC. 1996 , 271, 11787-91	16
1763	Platelet-derived growth factor-induced formation of tensin and phosphoinositide 3-kinase complexes. 1996 , 271, 23452-7	41
1762	Direct binding of C-terminal region of p130Cas to SH2 and SH3 domains of Src kinase. 1996 , 271, 8959-65	204
1761	Grb7 is a downstream signaling component of platelet-derived growth factor alpha- and beta-receptors. 1996 , 271, 30942-9	65
1760	Adhesion through the interaction of lymphocyte function-associated antigen-1 with intracellular adhesion molecule-1 induces tyrosine phosphorylation of p130cas and its association with c-CrkII. 1996 , 271, 7796-801	67
1759	Oncogenic RET receptors display different autophosphorylation sites and substrate binding specificities. 1996 , 271, 5309-12	102
1758	CD43-specific activation of T cells induces association of CD43 to Fyn kinase. 1996 , 271, 27564-8	59
1757	Stimulation through the T cell receptor induces Cbl association with Crk proteins and the guanine nucleotide exchange protein C3G. 1996 , 271, 8435-42	136
1756	Affinity, specificity, and kinetics of the interaction of the SHC phosphotyrosine binding domain with asparagine-X-X-phosphotyrosine motifs of growth factor receptors. 1996 , 271, 264-9	59
1755	The proto-oncogene product c-Crk associates with insulin receptor substrate-1 and 4PS. Modulation by insulin growth factor-I (IGF) and enhanced IGF-I signaling. 1996 , 271, 9287-90	58
1754	Characterization of the phosphotyrosine-binding domain of the Drosophila Shc protein. 1996 , 271, 31855-62	15
1753	Direct association of STAT3 with the IFNAR-1 chain of the human type I interferon receptor. 1996 , 271, 8057-61	109
1752	Grap is a novel SH3-SH2-SH3 adaptor protein that couples tyrosine kinases to the Ras pathway. 1996 , 271, 12129-32	97
1751	Structure and function of Cas-L, a 105-kD Crk-associated substrate-related protein that is involved in beta 1 integrin-mediated signaling in lymphocytes. 1996 , 184, 1365-75	144

1750	The inositol 5'-phosphatase SHIP binds to immunoreceptor signaling motifs and responds to high affinity IgE receptor aggregation. 1996 , 271, 29271-8	143
1749	Regulation of the Lck SH2 domain by tyrosine phosphorylation. 1996 , 271, 24880-4	69
1748	Systematic mapping of potential binding sites for Shc and Grb2 SH2 domains on insulin receptor substrate-1 and the receptors for insulin, epidermal growth factor, platelet-derived growth factor, and fibroblast growth factor. 1996 , 271, 5603-9	51
1747	Two distinct intracytoplasmic regions of the T-cell adhesion molecule CD28 participate in phosphatidylinositol 3-kinase association. 1996 , 271, 9403-9	55
1746	Regulation of targeting signals in membrane proteins. [review]. 1996 , 13, 19-27	11
1745	Pathways downstream of Shc and Grb2 are required for cell transformation by the tpr-Met oncprotein. 1996 , 271, 13116-22	109
1744	Rek, a gene expressed in retina and brain, encodes a receptor tyrosine kinase of the Axl/Tyro3 family. 1996 , 271, 29049-59	21
1743	Growth hormone, interferon-gamma, and leukemia inhibitory factor utilize insulin receptor substrate-2 in intracellular signaling. 1996 , 271, 29415-21	102
1742	Interaction of phosphorylated FcepsilonRIgamma immunoglobulin receptor tyrosine activation motif-based peptides with dual and single SH2 domains of p72syk. Assessment of binding parameters and real time binding kinetics. 1996 , 271, 25308-15	53
1741	Elucidation of the core residues of an epitope using membrane-based combinatorial peptide libraries. 1996 , 271, 24634-8	11
1740	p120cbl is a cytosolic adapter protein that associates with phosphoinositide 3-kinase in response to epidermal growth factor in PC12 and other cells. 1996 , 271, 563-7	122
1739	Identification of the site in the Syk protein tyrosine kinase that binds the SH2 domain of Lck. 1996 , 271, 24294-9	33
1738	Intracluster restriction of Fc receptor gamma-chain tyrosine phosphorylation subverted by a protein-tyrosine phosphatase inhibitor. 1996 , 271, 11099-105	4
1737	Nerve growth factor stimulates the tyrosine phosphorylation of endogenous Crk-II and augments its association with p130Cas in PC-12 cells. 1996 , 271, 7375-80	55
1736	The transmembrane protein-tyrosine phosphatase LAR modulates signaling by multiple receptor tyrosine kinases. 1996 , 271, 748-54	99
1735	Dominant negative stat3 mutant inhibits interleukin-6-induced Jak-STAT signal transduction. 1996 , 271, 5961-4	190
1734	Phosphorylation of tyrosine 397 in focal adhesion kinase is required for binding phosphatidylinositol 3-kinase. 1996 , 271, 26329-34	431
1733	A 39 amino acid fragment of the cell cycle regulator p21 is sufficient to bind PCNA and partially inhibit DNA replication in vivo. 1996 , 24, 1727-33	68

1732	Multiple requirements for SHPTP2 in epidermal growth factor-mediated cell cycle progression. 1996 , 16, 1189-202	230
1731	Phospholipase C-gamma1 interacts with conserved phosphotyrosyl residues in the linker region of Syk and is a substrate for Syk. 1996 , 16, 1305-15	202
1730	Fibronectin-stimulated signaling from a focal adhesion kinase-c-Src complex: involvement of the Grb2, p130cas, and Nck adaptor proteins. 1997 , 17, 1702-13	408
1729	Phosphorylation of cbl after stimulation of Nb2 cells with prolactin and its association with phosphatidylinositol 3-kinase. 1997 , 11, 1213-22	42
1728	The IRS-2 gene on murine chromosome 8 encodes a unique signaling adapter for insulin and cytokine action. 1997 , 11, 251-62	126
1727	Activation of Src family kinases by hepatitis B virus HBx protein and coupled signaling to Ras. 1997 , 17, 6427-36	207
1726	Cellular Mechanisms During Mammalian Fertilization. 1997 , 885-938	
1725	The role of the Shc phosphotyrosine interaction/phosphotyrosine binding domain and tyrosine phosphorylation sites in polyoma middle T antigen-mediated cell transformation. 1997 , 272, 20671-7	28
1724	BCR/ABL-induced leukemogenesis causes phosphorylation of Hef1 and its association with Crkl. 1997 , 272, 32649-55	38
1723	Characterization of phosphotyrosine binding motifs in the cytoplasmic domain of platelet/endothelial cell adhesion molecule-1 (PECAM-1) that are required for the cellular association and activation of the protein-tyrosine phosphatase, SHP-2. 1997 , 272, 24868-75	137
1722	Binding of src-like kinases to the beta-subunit of the interleukin-3 receptor. 1997 , 272, 16189-95	35
1721	Role of the vav proto-oncogene product (Vav) in erythropoietin-mediated cell proliferation and phosphatidylinositol 3-kinase activity. 1997 , 272, 14334-40	48
1720	The Cbl phosphotyrosine-binding domain selects a D(N/D)XpY motif and binds to the Tyr292 negative regulatory phosphorylation site of ZAP-70. 1997 , 272, 33140-4	175
1719	Activation of phosphatidylinositol 3-kinase by interleukin-13. An inhibitory signal for inducible nitric-oxide synthase expression in epithelial cell line HT-29. 1997 , 272, 12626-33	67
1718	Association and colocalization of Eps15 with adaptor protein-2 and clathrin. 1997 , 136, 811-21	116
1717	Temporal phases in apoptosis defined by the actions of Src homology 2 domains, ceramide, Bcl-2, interleukin-1beta converting enzyme family proteases, and a dense membrane fraction. 1997 , 137, 1117-25	37
1716	Positive and negative tissue-specific signaling by a nematode epidermal growth factor receptor. 1997 , 8, 779-93	38
1715	Binding specificity and in vivo targets of the EH domain, a novel protein-protein interaction module. 1997 , 11, 2239-49	269

1714	Ras-dependent, Ca ²⁺ -stimulated activation of nuclear factor of activated T cells by a constitutively active Cbl mutant in T cells. 1997 , 272, 168-73	55
1713	Involvement of phosphatidylinositol 3-kinase in NFAT activation in T cells. 1997 , 272, 14483-8	52
1712	p60 is an adaptor for the Drosophila phosphoinositide 3-kinase, Dp110. 1997 , 272, 14606-10	31
1711	Identification of novel human WW domain-containing proteins by cloning of ligand targets. 1997 , 272, 14611-6	139
1710	Molecular cloning of SKAP55, a novel protein that associates with the protein tyrosine kinase p59fyn in human T-lymphocytes. 1997 , 272, 16077-80	84
1709	Characterization of two SHP-2-associated binding proteins and potential substrates in hematopoietic cells. 1997 , 272, 16421-30	69
1708	Protein-tyrosine phosphatase 1B complexes with the insulin receptor in vivo and is tyrosine-phosphorylated in the presence of insulin. 1997 , 272, 1639-45	206
1707	Efficient cellular transformation by the Met oncoprotein requires a functional Grb2 binding site and correlates with phosphorylation of the Grb2-associated proteins, Cbl and Gab1. 1997 , 272, 20167-72	102
1706	Tyrosine docking sites of the rat prolactin receptor required for association and activation of stat5. 1997 , 272, 25043-50	62
1705	Gp60 activation mediates albumin transcytosis in endothelial cells by tyrosine kinase-dependent pathway. 1997 , 272, 25968-75	286
1704	Involvement of p130(Cas) and p105(HEF1), a novel Cas-like docking protein, in a cytoskeleton-dependent signaling pathway initiated by ligation of integrin or antigen receptor on human B cells. 1997 , 272, 4230-6	98
1703	The platelet-derived growth factor beta receptor triggers multiple cytoplasmic signaling cascades that arrive at the nucleus as distinguishable inputs. 1997 , 272, 32670-8	29
1702	Paxillin is tyrosine-phosphorylated by and preferentially associates with the calcium-dependent tyrosine kinase in rat liver epithelial cells. 1997 , 272, 14341-8	108
1701	Tyrosine phosphorylation of the CD3-epsilon subunit of the T cell antigen receptor mediates enhanced association with phosphatidylinositol 3-kinase in Jurkat T cells. 1997 , 272, 25310-8	43
1700	The Ca ²⁺ /calmodulin-dependent kinase type IV is involved in the CD5-mediated signaling pathway in human T lymphocytes. 1997 , 272, 31809-20	36
1699	Platelet endothelial cell adhesion molecule-1 is phosphorylatable by c-Src, binds Src-Src homology 2 domain, and exhibits immunoreceptor tyrosine-based activation motif-like properties. 1997 , 272, 14442-6	86
1698	The protein-tyrosine phosphatase SHP-2 binds platelet/endothelial cell adhesion molecule-1 (PECAM-1) and forms a distinct signaling complex during platelet aggregation. Evidence for a mechanistic link between PECAM-1- and integrin-mediated cellular signaling. 1997 , 272, 6986-93	182
1697	The proto-oncogene product p120(cbl) links c-Src and phosphatidylinositol 3'-kinase to the integrin signaling pathway. 1997 , 272, 3780-7	74

1696	Src homology 2 protein tyrosine phosphatase (SHPTP2)/Src homology 2 phosphatase 2 (SHP2) tyrosine phosphatase is a positive regulator of the interleukin 5 receptor signal transduction pathways leading to the prolongation of eosinophil survival. 1997 , 186, 561-8	79
1695	A novel phosphotyrosine motif with a critical amino acid at position -2 for the SH2 domain-mediated activation of the tyrosine phosphatase SHP-1. 1997 , 272, 13066-72	161
1694	Characterization of a novel tyrosine phosphorylated 100-kDa protein that binds to SHP-2 and phosphatidylinositol 3'-kinase in myeloid cells. 1997 , 272, 15943-50	49
1693	A casein kinase I activity is constitutively associated with Nck. 1997 , 272, 2688-94	52
1692	The role of a lymphoid-restricted, Grb2-like SH3-SH2-SH3 protein in T cell receptor signaling. 1997 , 272, 894-902	85
1691	Tyrosine residue in exon 14 of the cytoplasmic domain of platelet endothelial cell adhesion molecule-1 (PECAM-1/CD31) regulates ligand binding specificity. 1997 , 138, 1425-35	45
1690	Identification of high potency microbial and self ligands for a human autoreactive class II-restricted T cell clone. 1997 , 185, 1651-9	299
1689	Selective inhibition of growth factor-stimulated mitogenesis by a cell-permeable Grb2-binding peptide. 1997 , 272, 22349-54	62
1688	Structural determinants of the interaction between the erbB2 receptor and the Src homology 2 domain of Grb7. 1997 , 272, 8490-7	65
1687	The SH3 domain of amphiphysin binds the proline-rich domain of dynamin at a single site that defines a new SH3 binding consensus sequence. 1997 , 272, 13419-25	205
1686	Subsets of epidermal growth factor receptors during activation and endocytosis. 1997 , 272, 4079-86	63
1685	Tyrosine phosphorylation of connexin 43 by v-Src is mediated by SH2 and SH3 domain interactions. 1997 , 272, 22824-31	163
1684	Characterization of the WW domain of human yes-associated protein and its polyproline-containing ligands. 1997 , 272, 17070-7	147
1683	Phosphorylation of Cbl following stimulation with interleukin-3 and its association with Grb2, Fyn, and phosphatidylinositol 3-kinase. 1997 , 272, 739-45	60
1682	Growth factors stimulate tyrosine dephosphorylation of p75 and its dissociation from the SH2 domain of Grb2. 1997 , 272, 29892-8	7
1681	TLISA1 (PTA1) activation antigen implicated in T cell differentiation and platelet activation is a member of the immunoglobulin superfamily exhibiting distinctive regulation of expression. 1997 , 272, 21735-44	38
1680	pp60v-src transformation of rat cells but not chicken cells strongly correlates with low-affinity phosphopeptide binding by the SH2 domain. 1997 , 8, 843-54	4
1679	A novel Drosophila receptor tyrosine kinase expressed specifically in the nervous system. Unique structural features and implication in developmental signaling. 1997 , 272, 11916-23	72

1678	p85alpha gene generates three isoforms of regulatory subunit for phosphatidylinositol 3-kinase (PI 3-Kinase), p50alpha, p55alpha, and p85alpha, with different PI 3-kinase activity elevating responses to insulin. 1997 , 272, 7873-82	127
1677	A novel 160-kDa phosphotyrosine protein in insulin-treated embryonic kidney cells is a new member of the insulin receptor substrate family. 1997 , 272, 21403-7	270
1676	Association of the multisubstrate docking protein Gab1 with the hepatocyte growth factor receptor requires a functional Grb2 binding site involving tyrosine 1356. 1997 , 272, 20811-9	139
1675	Erythropoietin induces the tyrosine phosphorylation of insulin receptor substrate-2. An alternate pathway for erythropoietin-induced phosphatidylinositol 3-kinase activation. 1997 , 272, 26173-8	86
1674	Initiation and processing of signals from the B cell antigen receptor. 1997 , 15, 453-79	377
1673	Differential signaling by lymphocyte antigen receptors. 1997 , 15, 125-54	235
1672	Modular peptide recognition domains in eukaryotic signaling. 1997 , 26, 259-88	477
1671	Insulin receptor substrate proteins create a link between the tyrosine phosphorylation cascade and the Ca ²⁺ -ATPases in muscle and heart. 1997 , 272, 23696-702	62
1670	The use of peptide library for the determination of kinase peptide substrates. 1998 , 87, 87-98	35
1669	Recruitment and phosphorylation of SH2-containing inositol phosphatase and Shc to the B-cell Fc gamma immunoreceptor tyrosine-based inhibition motif peptide motif. 1997 , 17, 4305-11	113
1668	Transmembrane glycoprotein gp150 is a substrate for receptor tyrosine phosphatase DPTP10D in <i>Drosophila</i> cells. 1997 , 17, 6859-67	20
1667	Distinct tyrosine autophosphorylation sites negatively and positively modulate neu-mediated transformation. 1997 , 17, 5410-25	124
1666	Requirement of phosphatidylinositol 3-kinase-dependent pathway and Src for Gas6-Axl mitogenic and survival activities in NIH 3T3 fibroblasts. 1997 , 17, 4442-53	168
1665	Protein tyrosine phosphatase 1B interacts with and is tyrosine phosphorylated by the epidermal growth factor receptor. 1997 , 327 (Pt 1), 139-45	156
1664	Neurotrophin regulation of gene expression. 1997 , 24, 272-83	30
1663	Structure, mechanism, and specificity of protein-tyrosine phosphatases. 1997 , 35, 21-68	48
1662	Biochemical characterization of the protein tyrosine kinase homology domain of the ErbB3 (HER3) receptor protein. 1997 , 322 (Pt 3), 757-63	138
1661	Identification of csk tyrosine phosphorylation sites and a tyrosine residue important for kinase domain structure. 1997 , 322 (Pt 3), 927-35	12

1660	The identification of Bruton's tyrosine kinase and Wiskott-Aldrich syndrome protein associated proteins and signalling pathways. 1997 , 25, 648-50	13
1659	Signalling via phosphoinositide 3OH kinases. 1997 , 25, 1147-51	36
1658	Mechanisms of Transmembrane Signaling. 1997 , 689-742	
1657	The 60-kDa phosphotyrosine protein in insulin-treated adipocytes is a new member of the insulin receptor substrate family. 1997 , 272, 11439-43	221
1656	Chapter 6 Molecular basis of insulin action. 1997 , 161-202	
1655	Insulin receptor signaling. 1997 , 6, 3-15	
1654	Growth factor receptor tyrosine kinases. 1997 , 17-76	
1653	Transmembrane protein tyrosine phosphatases. 1997 , 77-106	
1652	Distribution and functions of platelet-derived growth factors and their receptors during embryogenesis. 1997 , 172, 95-127	54
1651	NMR studies of the RRsrc peptide, a tyrosine kinase substrate. 1997 , 75, 163-169	1
1650	Detection of distinct pools of the adapter protein p130CAS using a panel of monoclonal antibodies. 1997 , 16, 403-11	25
1649	Heteronuclear NMR studies of the combined Src homology domains 2 and 3 of pp60 c-Src: effects of phosphopeptide binding. 1997 , 36, 14561-71	23
1648	Structure-Based Design of a Novel Series of Nonpeptide Ligands That Bind to the pp60src SH2 Domain. 1997 , 119, 12471-12476	59
1647	Peptide ligands of pp60(c-src) SH2 domains: a thermodynamic and structural study. 1997 , 36, 6283-93	90
1646	Thermodynamic and structural analysis of phosphotyrosine polypeptide binding to Grb2-SH2. 1997 , 36, 10006-14	60
1645	CD22, a B lymphocyte-specific adhesion molecule that regulates antigen receptor signaling. 1997 , 15, 481-504	263
1644	Cellular functions regulated by Src family kinases. 1997 , 13, 513-609	2116
1643	Soluble and membrane-bound forms of signaling lymphocytic activation molecule (SLAM) induce proliferation and Ig synthesis by activated human B lymphocytes. 1997 , 185, 993-1004	144

1642	Discovery of 3-aminobenzyloxycarbonyl as an N-terminal group conferring high affinity to the minimal phosphopeptide sequence recognized by the Grb2-SH2 domain. 1997 , 40, 3551-6	59
1641	Sequence-specific and phosphorylation-dependent proline isomerization: a potential mitotic regulatory mechanism. 1997 , 278, 1957-60	678
1640	Expression of Src-like adapter protein mRNA is induced by all-trans retinoic acid. 1997 , 230, 81-4	17
1639	ERC-55, a binding protein for the papilloma virus E6 oncoprotein, specifically interacts with vitamin D receptor among nuclear receptors. 1997 , 233, 765-9	35
1638	Dynamin II associates with Grb2 SH3 domain in Ras transformed NIH3T3 cells. 1997 , 234, 539-43	13
1637	An alternative to phosphotyrosine-containing motifs for binding to an SH2 domain. 1997 , 234, 675-80	18
1636	Identification of signalling components in tyrosine kinase cascades using phosphopeptide affinity chromatography. 1997 , 234, 748-53	4
1635	Interactions of FLT-1 and KDR with phospholipase C gamma: identification of the phosphotyrosine binding sites. 1997 , 240, 635-9	79
1634	Modified phage peptide libraries as a tool to study specificity of phosphorylation and recognition of tyrosine containing peptides. 1997 , 269, 694-703	65
1633	Molecular mechanisms of angiotensin II in modulating cardiac function: intracardiac effects and signal transduction pathways. 1997 , 29, 2893-902	111
1632	daf-2, an insulin receptor-like gene that regulates longevity and diapause in <i>Caenorhabditis elegans</i> . 1997 , 277, 942-6	1757
1631	Extracellular matrix modulation of vascular cell behaviour. 1997 , 5, 179-83	51
1630	The CD19-CD21 complex regulates signal transduction thresholds governing humoral immunity and autoimmunity. 1997 , 6, 107-18	329
1629	Integrin cytoplasmic domains as connectors to the cell's signal transduction apparatus. 1997 , 16, 153-63	50
1628	Focal adhesion kinase in integrin signaling. 1997 , 16, 195-200	132
1627	A PDGF-regulated immediate early gene response initiates neuronal differentiation in ventricular zone progenitor cells. 1997 , 18, 553-62	152
1626	The role of the Src homology-2 domain in the lethal effect of Src expression in the yeast <i>Saccharomyces cerevisiae</i> . 1997 , 29, 635-48	7
1625	The G beta gamma sensitivity of a PI3K is dependent upon a tightly associated adaptor, p101. <i>Cell</i> , 1997 , 89, 105-14	56.2 508

1624	A complex of Cdc4p, Skp1p, and Cdc53p/cullin catalyzes ubiquitination of the phosphorylated CDK inhibitor Sic1p. <i>Cell</i> , 1997 , 91, 221-30	56.2	726
1623	The structural basis for 14-3-3:phosphopeptide binding specificity. <i>Cell</i> , 1997 , 91, 961-71	56.2	1348
1622	Identification of the Abl- and rasGAP-associated 62 kDa protein as a docking protein, Dok. <i>Cell</i> , 1997 , 88, 205-11	56.2	311
1621	Platelet endothelial cell adhesion molecule-1 is a major SH-PTP2 binding protein in vascular endothelial cells. 1997 , 408, 331-6		85
1620	A new member of the transmembrane 4 superfamily (TM4SF) of proteins from schistosomes, expressed by larval and adult <i>Schistosoma japonicum</i> . 1997 , 1329, 18-25		12
1619	Role of focal adhesion kinase in integrin signaling. 1997 , 29, 1085-96		274
1618	Design, synthesis, and cocrystal structure of a nonpeptide Src SH2 domain ligand. 1997 , 40, 3719-25		44
1617	Identification of the major sites of autophosphorylation of the murine protein-tyrosine kinase Syk. 1997 , 1355, 177-90		87
1616	A characterization of permolybdate and its effect on cellular tyrosine phosphorylation, gap junctional intercellular communication and phosphorylation status of the gap junction protein, connexin43. 1997 , 1356, 207-20		11
1615	Influence of tyrosine phosphorylation on protein interaction with FcγRIIIa. 1997 , 1357, 348-58		54
1614	The brain as a symbol-processing machine. 1997 , 53, 121-98		14
1613	A screening method of SH2 domain ligands and blockers using a solid phase binding. 1997 , 120, 1-7		6
1612	Phosphorylation of two regulatory tyrosine residues in the activation of Bruton's tyrosine kinase via alternative receptors. 1997 , 94, 11526-33		104
1611	Tyrosine phosphorylation of nicotinic acetylcholine receptor mediates Grb2 binding. 1997 , 17, 5038-45		39
1610	Mechanism of Insulin Action1. 1997 , 22, 201-221		2
1609	High-affinity binding of the <i>Drosophila</i> Numb phosphotyrosine-binding domain to peptides containing a Gly-Pro-(p)Tyr motif. 1997 , 94, 7204-9		64
1608	Grb2-associated binder-1 mediates phosphatidylinositol 3-kinase activation and the promotion of cell survival by nerve growth factor. 1997 , 94, 12419-24		225
1607	Role of tyrosine phosphorylation of HS1 in B cell antigen receptor-mediated apoptosis. 1997 , 185, 1387-92		98

1606	Cloning of a novel T-cell protein FYB that binds FYN and SH2-domain-containing leukocyte protein 76 and modulates interleukin 2 production. 1997 , 94, 7493-8	239
1605	A Tyrosine-Phosphorylated Protein of 140 kD Is Constitutively Associated With the Phosphotyrosine Binding Domain of Shc and the SH3 Domains of Grb2 in Acute Myeloid Leukemia Cells. 1997 , 89, 2024-2035	13
1604	Erythropoietin and Interleukin-3 Activate Tyrosine Phosphorylation of CBL and Association With CRK Adaptor Proteins. 1997 , 89, 3166-3174	91
1603	Src regulated by C-terminal phosphorylation is monomeric. 1997 , 94, 3590-5	25
1602	Analysis of phosphopeptides by capillary electrophoresis and matrix-assisted laser-desorption ionization-time-of-flight mass spectrometry. 1997 , 763, 285-293	12
1601	Dimerization of the p185neu transmembrane domain is necessary but not sufficient for transformation. 1997 , 14, 687-96	70
1600	Tyrosine 207 in CRKL is the BCR/ABL phosphorylation site. 1997 , 14, 507-13	78
1599	RET alternate splicing influences the interaction of activated RET with the SH2 and PTB domains of Shc, and the SH2 domain of Grb2. 1997 , 14, 763-71	108
1598	Characterization of the kinase activity essential for tyrosine phosphorylation of p130Cas in fibroblasts. 1997 , 14, 1419-26	61
1597	Yeast two-hybrid in vivo association of the Src kinase Lyn with the proto-oncogene product Cbl but not with the p85 subunit of PI 3-kinase. 1997 , 14, 2019-24	37
1596	Bcr phosphorylated on tyrosine 177 binds Grb2. 1997 , 14, 2367-72	38
1595	ALK, the chromosome 2 gene locus altered by the t(2;5) in non-Hodgkin's lymphoma, encodes a novel neural receptor tyrosine kinase that is highly related to leukocyte tyrosine kinase (LTK). 1997 , 14, 2175-88	391
1594	Tec tyrosine kinase links the cytokine receptors to PI-3 kinase probably through JAK. 1997 , 14, 2273-82	81
1593	Recognition of activated CSF-1 receptor in breast carcinomas by a tyrosine 723 phosphospecific antibody. 1997 , 14, 2553-61	40
1592	Intracellular signaling of the Ufo/Axl receptor tyrosine kinase is mediated mainly by a multi-substrate docking-site. 1997 , 14, 2619-31	123
1591	The phosphatidylinositol 3' kinase pathway is required for the survival signal of leukocyte tyrosine kinase. 1997 , 14, 3067-72	28
1590	Association of PTP-PEST with the SH3 domain of p130cas; a novel mechanism of protein tyrosine phosphatase substrate recognition. 1997 , 15, 877-85	147
1589	Identification of an Efs isoform that lacks the SH3 domain and chromosomal mapping of human Efs. 1997 , 15, 1741-5	12

1588	The multiple endocrine neoplasia type 2B point mutation switches the specificity of the Ret tyrosine kinase towards cellular substrates that are susceptible to interact with Crk and Nck. 1997 , 15, 2257-65	65
1587	ErbB kinases and NDF signaling in human prostate cancer cells. 1997 , 15, 2705-16	131
1586	Reduced ability of transforming growth factor-alpha to induce EGF receptor heterodimerization and downregulation suggests a mechanism of oncogenic synergy with ErbB2. 1997 , 15, 2219-23	38
1585	Three-dimensional structure of the tyrosine kinase c-Src. 1997 , 385, 595-602	1272
1584	Crystal structure of the Src family tyrosine kinase Hck. 1997 , 385, 602-9	1075
1583	Neuregulin-2, a new ligand of ErbB3/ErbB4-receptor tyrosine kinases. 1997 , 387, 512-6	333
1582	SLAM and its role in T cell activation and Th cell responses. 1997 , 75, 202-5	81
1581	Protein tyrosine kinase activity is required for oxidant-induced extracellular signal-regulated protein kinase activation and c-fos and c-jun expression. 1997 , 9, 181-7	43
1580	Signalling by Src family kinases: lessons learnt from DNA tumour viruses. 1997 , 9, 385-93	12
1579	Activation of Pak by membrane localization mediated by an SH3 domain from the adaptor protein Nck. 1997 , 7, 85-94	242
1578	The SH2 domain from the tyrosine kinase Fyn in complex with a phosphotyrosyl peptide reveals insights into domain stability and binding specificity. 1997 , 5, 1313-23	36
1577	Specific stimulation of c-Fgr kinase by tyrosine-phosphorylated (poly)peptides--possible implication in the sequential mode of protein phosphorylation. 1997 , 245, 701-7	4
1576	Mouse disabled (mDab1): a Src binding protein implicated in neuronal development. 1997 , 16, 121-32	281
1575	Cyclosporin A-sensitive induction of the Epstein-Barr virus lytic switch is mediated via a novel pathway involving a MEF2 family member. 1997 , 16, 143-53	119
1574	Juxtamembrane tyrosine residues couple the Eph family receptor EphB2/Nuk to specific SH2 domain proteins in neuronal cells. 1997 , 16, 3877-88	240
1573	Sequential activation of phosphatidylinositol 3-kinase and phospholipase C-gamma2 by the M-CSF receptor is necessary for differentiation signaling. 1997 , 16, 5880-93	94
1572	Crk is required for apoptosis in Xenopus egg extracts. 1997 , 16, 230-41	41
1571	Sequence-specific recognition of the internalization motif of the Alzheimer's amyloid precursor protein by the X11 PTB domain. 1997 , 16, 6141-50	132

1570	Transformation of hematopoietic cells by BCR/ABL requires activation of a PI-3k/Akt-dependent pathway. 1997 , 16, 6151-61	446
1569	Tandem SH2 binding sites mediate the RasGAP-RhoGAP interaction: a conformational mechanism for SH3 domain regulation. 1997 , 16, 473-83	123
1568	Heregulin-stimulated acetylcholine receptor gene expression in muscle: requirement for MAP kinase and evidence for a parallel inhibitory pathway independent of electrical activity. 1997 , 16, 717-25	105
1567	STAT3 as an adapter to couple phosphatidylinositol 3-kinase to the IFNAR1 chain of the type I interferon receptor. 1997 , 276, 1418-20	234
1566	CD40-triggered protein tyrosine phosphorylation on Vav and on phosphatidylinositol 3-kinase correlates with survival of the Ramos-Burkitt lymphoma B cell line. 1997 , 177, 119-28	13
1565	The immunoreceptor tyrosine-based activation motif of Epstein-Barr virus LMP2A is essential for blocking BCR-mediated signal transduction. 1997 , 235, 241-51	204
1564	Signal transduction pathways and their relevance in human astrocytomas. 1997 , 35, 223-48	56
1563	The integrity of the SH3 binding motif of AFAP-110 is required to facilitate tyrosine phosphorylation by, and stable complex formation with, Src. 1997 , 175, 243-52	43
1562	Selection of substrate recognition sequence of protein kinase with ferric chelation affinity chromatography. 1997 , 40, 184-93	
1561	Mechanisms for variability in a member of the scavenger-receptor cysteine-rich superfamily. 1997 , 46, 276-82	18
1560	pH titration studies of an SH2 domain-phosphopeptide complex: unusual histidine and phosphate pKa values. 1997 , 6, 1910-9	37
1559	A study of Src SH2 domain protein-phosphopeptide binding interactions by electrospray ionization mass spectrometry. 1997 , 8, 234-243	112
1558	Structure-based design of novel, dipeptide ligands targeting the pp60Src SH2 domain. 1997 , 7, 1107-1112	7
1557	Design of peptidomimetic ligands for the pp60src SH2 domain. 1997 , 5, 41-7	28
1556	SH2 and PTB domain interactions in tyrosine kinase signal transduction. 1997 , 1, 227-34	76
1555	Negative signaling in B cells: SHIP Grbs Shc. 1997 , 18, 424-7	74
1554	A facile solution and solid phase synthesis of phosphotyrosine mimetic l-4-[diethylphosphono(difluoromethyl)]-phenylalanine (F2Pmp(EtO) ₂) derivatives. 1997 , 53, 11171-11178	27
1553	Direct interaction of Syk and Lyn protein tyrosine kinases in rat basophilic leukemia cells activated via type I Fc epsilon receptors. 1997 , 27, 321-8	32

1552	Thymocyte activation induces the association of phosphatidylinositol 3-kinase and pp120 with CD5. 1997 , 27, 679-86	37
1551	Functional analysis of immunoreceptor tyrosine-based activation motif (ITAM)-mediated signal transduction: the two YxxL segments within a single CD3zeta-ITAM are functionally distinct. 1997 , 27, 2001-9	34
1550	Co-localization of Fyn with CD3 complex, CD45 or CD28 depends on different mechanisms. 1997 , 27, 2643-9	11
1549	Analysis of the tyrosine phosphorylation and calcium fluxing of human CD6 isoforms with different cytoplasmatic domains. 1997 , 27, 2971-80	27
1548	Enzymatic Synthesis of Peptide Conjugates: Tools for the Study of Biological Signal Transduction. 1997 , 1997, 803-813	11
1547	SH3 domain of Bruton's tyrosine kinase can bind to proline-rich peptides of TH domain of the kinase and p120cbl. 1997 , 29, 545-52	14
1546	Activation-induced bi-dentate interaction of SHIP and Shc in B lymphocytes. 1997 , 67, 32-42	33
1545	Expression of c-ret in the zebrafish embryo: Potential roles in motoneuronal development. 1997 , 33, 749-768	71
1544	Tyrosine phosphorylation of L1 family adhesion molecules: implication of the Eph kinase Cek5. 1997 , 47, 655-65	79
1543	The three-dimensional solution structure of the SRC homology domain-2 of the growth factor receptor-bound protein-2. 1998 , 11, 153-64	6
1542	A new method for isolating tyrosine kinase substrates used to identify fish, an SH3 and PX domain-containing protein, and Src substrate. 1998 , 17, 4346-57	144
1541	Constitutive activation of delayed-rectifier potassium channels by a src family tyrosine kinase in Schwann cells. 1998 , 17, 4723-34	69
1540	Early evolutionary origin of the neurotrophin receptor family. 1998 , 17, 2534-42	59
1539	Recent advances in the understanding of interleukin-2 signal transduction. 1998 , 18, 307-20	58
1538	The human immunodeficiency virus type 1 Nef protein binds the Src-related tyrosine kinase Lck SH2 domain through a novel phosphotyrosine independent mechanism. 1998 , 247, 200-11	38
1537	Host response to EBV infection in X-linked lymphoproliferative disease results from mutations in an SH2-domain encoding gene. 1998 , 20, 129-35	642
1536	Correlation between binding and dynamics at SH2 domain interfaces. 1998 , 5, 156-63	97
1535	FLT3 signaling in hematopoietic cells involves CBL, SHC and an unknown P115 as prominent tyrosine-phosphorylated substrates. 1998 , 12, 301-10	92

1534	Role of the adapter protein CRKL in signal transduction of normal hematopoietic and BCR/ABL-transformed cells. 1998 , 12, 637-44	92
1533	Identification of Tyr-762 in the platelet-derived growth factor alpha-receptor as the binding site for Crk proteins. 1998 , 16, 1229-39	49
1532	The oncogenic ErbB-2/ErbB-3 heterodimer is a surrogate receptor of the epidermal growth factor and betacellulin. 1998 , 16, 1249-58	90
1531	Complex formation between EphB2 and Src requires phosphorylation of tyrosine 611 in the EphB2 juxtamembrane region. 1998 , 16, 2657-70	98
1530	Lysophosphatidic acid-induced association of SHP-2 with SHPS-1: roles of RHO, FAK, and a SRC family kinase. 1998 , 16, 3019-27	27
1529	Tyrosine-614, the major autophosphorylation site of the receptor tyrosine kinase HEK2, functions as multi-docking site for SH2-domain mediated interactions. 1998 , 17, 255-60	52
1528	Prolonged vs transient roles for early cell cycle signaling components. 1998 , 17, 889-99	10
1527	Grb2 binding to the different isoforms of Ret tyrosine kinase. 1998 , 17, 1079-87	77
1526	The Tek/Tie2 receptor signals through a novel Dok-related docking protein, Dok-R. 1998 , 17, 1097-108	128
1525	The many faces of Src: multiple functions of a prototypical tyrosine kinase. 1998 , 17, 1463-8	127
1524	Antigen receptor signaling: integration of protein tyrosine kinase functions. 1998 , 17, 1353-64	103
1523	Peptide modulators of protein-protein interactions in intracellular signaling. 1998 , 16, 919-24	195
1522	Protein kinase inhibitors: the tyrosine-specific protein kinases. 1998 , 77, 81-114	175
1521	G-protein-linked receptors as tyrosine kinase substrates: new paradigms in signal integration. 1998 , 10, 523-7	24
1520	Serum and insulin induce a Grb2-dependent shift in agonist affinity of beta-adrenergic receptors. 1998 , 10, 575-82	21
1519	Signal transduction via platelet-derived growth factor receptors. 1998 , 1378, F79-113	296
1518	Src-like adaptor protein (Slap) is a negative regulator of mitogenesis. 1998 , 8, 975-8	55
1517	Mass spectrometric and thermodynamic studies reveal the role of water molecules in complexes formed between SH2 domains and tyrosyl phosphopeptides. 1998 , 6, 1141-51	65

1516	Affinity selection from peptide libraries to determine substrate specificity of protein tyrosine phosphatases. 1998 , 258, 19-30	68
1515	Identification of a receptor-like protein tyrosine phosphatase expressed during <i>Xenopus</i> development. 1998 , 212, 403-12	3
1514	Src homology-2 domains: structure, mechanisms, and drug discovery. 1998 , 47, 243-61	95
1513	Cloning of two members of the SIRP alpha family of protein tyrosine phosphatase binding proteins in cattle that are expressed on monocytes and a subpopulation of dendritic cells and which mediate binding to CD4 T cells. 1998 , 28, 1-11	134
1512	CD16-mediated activation of phosphatidylinositol-3 kinase (PI-3K) in human NK cells involves tyrosine phosphorylation of Cbl and its association with Grb2, Shc, pp36 and p85 PI-3K subunit. 1998 , 28, 1005-15	27
1511	Thymocyte activation induces the association of the proto-oncoprotein c-cbl and ras GTPase-activating protein with CD5. 1998 , 28, 1617-25	33
1510	The Nck SH2/SH3 adaptor protein: a regulator of multiple intracellular signal transduction events. 1998 , 20, 913-21	80
1509	Organische Synthese und biologische Signaltransduktion. 1998 , 110, 716-780	47
1508	Organic Synthesis and Biological Signal Transduction. 1998 , 37, 688-749	121
1507	Overexpression of membrane glycoprotein PC-1 can influence insulin action at a post-receptor site. 1998 , 68, 366-77	31
1506	Physiological signals and oncogenesis mediated through Crk family adapter proteins. 1998 , 177, 535-52	113
1505	Formation of a stable src-AFAP-110 complex through either an amino-terminal or a carboxy-terminal SH2-binding motif. 1998 , 22, 110-9	27
1504	P62 and the sequestosome, a novel mechanism for protein metabolism. 1998 , 21, 629-33	105
1503	A novel mechanism-based mammalian cell assay for the identification of SH2-domain-specific protein-protein inhibitors. 1998 , 5, 529-38	10
1502	The formation of a covalent complex between a dipeptide ligand and the src SH2 domain. 1998 , 8, 1189-94	25
1501	Differential regulation of SHC proteins by nerve growth factor in sensory neurons and PC12 cells. 1998 , 10, 1995-2008	52
1500	Chromosomal assignment and expression pattern of the murine Lasp-1 gene. 1998 , 207, 171-5	29
1499	An avian cDNA encoding a tyrosine-phosphorylated protein with PDZ, coiled-coil, and SAM domains. 1998 , 219, 111-23	5

1498	Insulin receptor substrate 1 antisense expression in an hepatoma cell line reduces cell proliferation and induces overexpression of the Src homology 2 domain and collagen protein (SHC). 1998 , 137, 177-86	28
1497	bca: an activation-related B-cell gene. 1998 , 35, 55-63	10
1496	Emerging roles for SH2/PTB-containing Shc adaptor proteins in the developing mammalian brain. 1998 , 21, 476-81	96
1495	Direct binding of Shc, Grb2, SHP-2 and p40 to the murine granulocyte colony-stimulating factor receptor. 1998 , 1448, 70-6	24
1494	Points of convergence between Ca ²⁺ and Ras signalling pathways. 1998 , 1448, 171-82	20
1493	Potent dipeptide inhibitors of the pp60c-src SH2 domain. 1998 , 41, 1894-908	24
1492	The interleukin 1 receptor: ligand interactions and signal transduction. 1998 , 9, 221-37	158
1491	Genetic analysis of protein tyrosine phosphatases. 1998 , 8, 112-26	125
1490	FRIP, a hematopoietic cell-specific rasGAP-interacting protein phosphorylated in response to cytokine stimulation. 1998 , 9, 13-24	98
1489	BLNK: a central linker protein in B cell activation. 1998 , 9, 93-103	437
1488	Opposing actions of CSW and RasGAP modulate the strength of Torso RTK signaling in the Drosophila terminal pathway. 1998 , 2, 719-27	80
1487	Cloning of p97/Gab2, the major SHP2-binding protein in hematopoietic cells, reveals a novel pathway for cytokine-induced gene activation. 1998 , 2, 729-40	279
1486	A role for Abl in Notch signaling. 1998 , 20, 667-81	151
1485	Application of "one-bead one-compound" combinatorial library methods in signal transduction research. 1998 , 62, 1577-83	9
1484	Mammalian Grb2 regulates multiple steps in embryonic development and malignant transformation. <i>Cell</i> , 1998 , 95, 793-803	56.2 313
1483	CNK, a RAF-binding multidomain protein required for RAS signaling. <i>Cell</i> , 1998 , 95, 343-53	56.2 142
1482	Cellular uptake of an alpha-helical amphipathic model peptide with the potential to deliver polar compounds into the cell interior non-endocytically. 1998 , 1414, 127-39	326
1481	Families of phosphoinositide-specific phospholipase C: structure and function. 1998 , 1436, 5-17	168

1480	Three-dimensional profiles: a new tool to identify protein surface similarities. 1998 , 284, 1211-21	46
1479	Signal transduction through cytokine receptors. 1998 , 17, 75-102	22
1478	The specificity of the N-terminal SH2 domain of SHP-2 is modified by a single point mutation. 1998 , 37, 2741-7	28
1477	Probing the "two-pronged plug two-holed socket" model for the mechanism of binding of the Src SH2 domain to phosphotyrosyl peptides: a thermodynamic study. 1998 , 37, 9083-90	86
1476	Growth hormone regulation of SIRP and SHP-2 tyrosyl phosphorylation and association. 1998 , 273, 7112-7	71
1475	Potent antagonists of the SH2 domain of Grb2: optimization of the X+1 position of 3-amino-Z-Tyr(PO ₃ H ₂)-X+1-Asn-NH ₂ . 1998 , 41, 1741-4	46
1474	Structure-based design and synthesis of high affinity tripeptide ligands of the Grb2-SH2 domain. 1998 , 41, 3442-9	86
1473	Discovery of a novel series of potent and selective substrate-based inhibitors of p60c-src protein tyrosine kinase: conformational and topographical constraints in peptide design. 1998 , 41, 2252-60	57
1472	Regulation of B cell signal transduction by SH2-containing protein-tyrosine phosphatases. 1998 , 10, 329-47	60
1471	Interactions between SH2 and SH3 domains. 1998 , 242, 351-6	5
1470	Conformational effect of phosphorylation on T cell receptor/CD3 zeta-chain sequences. 1998 , 242, 474-9	28
1469	Tyrosine 1213 of Flt-1 is a major binding site of Nck and SHP-2. 1998 , 246, 95-9	51
1468	The Src-like tyrosine kinase Hck is activated by granulocyte colony-stimulating factor (G-CSF) and docks to the activated G-CSF receptor. 1998 , 251, 117-23	54
1467	Stimulation of mitogenesis by a cell-permeable PI 3-kinase binding peptide. 1998 , 251, 148-52	56
1466	Association of CrkL with STAT5 in hematopoietic cells stimulated by granulocyte-macrophage colony-stimulating factor or erythropoietin. 1998 , 252, 779-86	21
1465	RA70 is a src kinase-associated protein expressed ubiquitously. 1998 , 252, 738-42	27
1464	Adjacent carboxyterminal tyrosine phosphorylation events identify functionally distinct ErbB2 receptor subsets: implications for molecular diagnostics. 1998 , 241, 467-75	10
1463	The murine PKR tumor suppressor gene is rearranged in a lymphocytic leukemia. 1998 , 244, 394-404	29

1462	Solution structure of the C-terminal SH2 domain of the p85 alpha regulatory subunit of phosphoinositide 3-kinase. 1998 , 276, 461-78	46
1461	Structural basis for Syk tyrosine kinase ubiquity in signal transduction pathways revealed by the crystal structure of its regulatory SH2 domains bound to a dually phosphorylated ITAM peptide. 1998 , 281, 523-37	173
1460	The Croonian Lecture 1997. The phosphorylation of proteins on tyrosine: its role in cell growth and disease. 1998 , 353, 583-605	313
1459	Calorimetric investigation of proton linkage by monitoring both the enthalpy and association constant of binding: application to the interaction of the Src SH2 domain with a high-affinity tyrosyl phosphopeptide. 1998 , 37, 15400-7	81
1458	Recognition specificity of individual EH domains of mammals and yeast. 1998 , 17, 6541-50	95
1457	Phosphoinositide kinases. 1998 , 67, 481-507	1283
1456	A structural explanation for the recognition of tyrosine-based endocytotic signals. 1998 , 282, 1327-32	467
1455	Design of peptidomimetics that inhibit the association of phosphatidylinositol 3-kinase with platelet-derived growth factor-beta receptor and possess cellular activity. 1998 , 41, 4329-42	15
1454	Guanosine triphosphatase-activating protein-associated protein, but not src-associated protein p68 in mitosis, is a part of insulin signaling complexes. 1998 , 139, 2392-8	8
1453	Recruitment and activation of SHP-1 protein-tyrosine phosphatase by human platelet endothelial cell adhesion molecule-1 (PECAM-1). Identification of immunoreceptor tyrosine-based inhibitory motif-like binding motifs and substrates. 1998 , 273, 28332-40	101
1452	Modular folding and evidence for phosphorylation-induced stabilization of an hsp90-dependent kinase. 1998 , 273, 8475-82	39
1451	Carboxymethyl-phenylalanine as a replacement for phosphotyrosine in SH2 domain binding. 1998 , 273, 20238-42	30
1450	Cytoplasmic domains of the human granulocyte-macrophage colony-stimulating factor (GM-CSF) receptor beta chain (hbetac) responsible for human GM-CSF-induced myeloid cell differentiation. 1998 , 273, 19411-8	17
1449	The LDL receptor clustering motif interacts with the clathrin terminal domain in a reverse turn conformation. 1998 , 142, 59-67	80
1448	Modification of phosphatidylinositol 3-kinase SH2 domain binding properties by Abl- or Lck-mediated tyrosine phosphorylation at Tyr-688. 1998 , 273, 3994-4000	37
1447	Insulin stimulates sequestration of beta-adrenergic receptors and enhanced association of beta-adrenergic receptors with Grb2 via tyrosine 350. 1998 , 273, 33035-41	81
1446	The p85 subunit of phosphatidylinositol 3-kinase associates with the Fc receptor gamma-chain and linker for activator of T cells (LAT) in platelets stimulated by collagen and convulxin. 1998 , 273, 34437-43	103
1445	Analysis of Grb7 recruitment by heregulin-activated erbB receptors reveals a novel target selectivity for erbB3. 1998 , 273, 7717-24	77

1444	Interaction of insulin receptor substrate-1 (IRS-1) with phosphatidylinositol 3-kinase: effect of substitution of serine for alanine in potential IRS-1 serine phosphorylation sites. 1998 , 139, 4911-9	36
1443	Binding of a diphosphotyrosine-containing peptide that mimics activated platelet-derived growth factor receptor beta induces oligomerization of phosphatidylinositol 3-kinase. 1998 , 273, 33379-85	32
1442	Insulin receptor substrate-1 and phosphatidylinositol 3-kinase regulate extracellular signal-regulated kinase-dependent and -independent signaling pathways during myogenic differentiation. 1998 , 12, 1870-8	53
1441	Protein-protein interactions in signaling cascades. 1998 , 84, 33-48	1
1440	Peptide recognition mechanisms of eukaryotic signaling modules. 1998 , 84, 3-31	7
1439	Mapping the specificity of SH3 domains with phage-displayed random-peptide libraries. 1998 , 84, 87-103	17
1438	Transmembrane Signaling Protocols. 1998 ,	
1437	Prolactin (PRL) and its receptor: actions, signal transduction pathways and phenotypes observed in PRL receptor knockout mice. 1998 , 19, 225-68	1356
1436	Interleukin-2 stimulation induces tyrosine phosphorylation of p120-Cbl and CrkL and formation of multimolecular signaling complexes in T lymphocytes and natural killer cells. 1998 , 273, 3986-93	46
1435	Growth factor receptor-bound protein 2 SH2/SH3 domain binding to CD28 and its role in co-signaling. 1998 , 273, 296-301	98
1434	Common in vitro substrate specificity and differential Src homology 2 domain accessibility displayed by two members of the Src family of protein-tyrosine kinases, c-Src and Hck. 1998 , 273, 16756-63	12
1433	A new tyrosine-phosphorylated 97-kDa adaptor protein mediates interleukin-2-induced association of SHP-2 with p85-phosphatidylinositol 3-kinase in human T lymphocytes. 1998 , 273, 18273-81	42
1432	Fyn and ZAP-70 are required for Vav phosphorylation in T cells stimulated by antigen-presenting cells. 1998 , 273, 31932-8	81
1431	DSHP: a "power bar" for sustained immune responses?. 1998 , 95, 13355-7	7
1430	Mutational analysis of the STAT6 SH2 domain. 1998 , 273, 17634-42	41
1429	LCK-phosphorylated human killer cell-inhibitory receptors recruit and activate phosphatidylinositol 3-kinase. 1998 , 95, 11810-5	59
1428	Identification of amino acid residues critical for the Src-homology 2 domain-dependent docking of Stat2 to the interferon alpha receptor. 1998 , 273, 19495-501	16
1427	Nck recruitment to Eph receptor, EphB1/ELK, couples ligand activation to c-Jun kinase. 1998 , 273, 1303-8	133

1426	The CC chemokine monocyte chemotactic peptide-1 activates both the class I p85/p110 phosphatidylinositol 3-kinase and the class II PI3K-C2alpha. 1998 , 273, 25987-95	140
1425	T cell receptor (TCR) interacting molecule (TRIM), a novel disulfide-linked dimer associated with the TCR-CD3-zeta complex, recruits intracellular signaling proteins to the plasma membrane. 1998 , 188, 561-75	113
1424	Reconstitution of mammary gland development in vitro: requirement of c-met and c-erbB2 signaling for branching and alveolar morphogenesis. 1998 , 143, 533-45	118
1423	Tumor necrosis factor receptor (TNFR)-associated factor 2A (TRAF2A), a TRAF2 splice variant with an extended RING finger domain that inhibits TNFR2-mediated NF-kappaB activation. 1998 , 273, 4129-34	55
1422	SH2- and SH3-mediated interactions between focal adhesion kinase and Src. 1998 , 273, 577-83	190
1421	Grb2 forms an inducible protein complex with CD28 through a Src homology 3 domain-proline interaction. 1998 , 273, 21194-202	59
1420	Inhibition of the interaction between tyrosine-based motifs and the medium chain subunit of the AP-2 adaptor complex by specific tyrophostins. 1998 , 273, 28073-7	21
1419	Identification of vascular endothelial growth factor receptor-1 tyrosine phosphorylation sites and binding of SH2 domain-containing molecules. 1998 , 273, 23410-8	88
1418	The medium subunits of adaptor complexes recognize distinct but overlapping sets of tyrosine-based sorting signals. 1998 , 273, 25915-21	202
1417	A role for CAP, a novel, multifunctional Src homology 3 domain-containing protein in formation of actin stress fibers and focal adhesions. 1998 , 273, 4073-80	90
1416	Roles of the complex formation of SHPS-1 with SHP-2 in insulin-stimulated mitogen-activated protein kinase activation. 1998 , 273, 9234-42	93
1415	Tandem SH2 domains confer high specificity in tyrosine kinase signaling. 1998 , 273, 729-35	170
1414	Association between the rat homologue of CO-029, a metastasis-associated tetraspanin molecule and consumption coagulopathy. 1998 , 141, 267-80	93
1413	Mutation of a Shc binding site tyrosine residue in ErbB3/HER3 blocks heregulin-dependent activation of mitogen-activated protein kinase. 1998 , 273, 20996-1002	35
1412	Epidermal growth factor downregulates the expression of SH-PTP2. 1998 , 1, 735-9	
1411	Regulation of the p85/p110 phosphatidylinositol 3'-kinase: stabilization and inhibition of the p110alpha catalytic subunit by the p85 regulatory subunit. 1998 , 18, 1379-87	399
1410	Mutation of C-terminal tyrosine residues Y497/Y504 of the Src-family member Bsk/lyk decreases NIH3T3 cell proliferation. 1998 , 16, 111-24	20
1409	Chapter 4 Cellular mechanisms of signal transduction for growth factors. 1998 , 83-97	1

1408	STATs as mediators of cytokine-induced responses. 1999 , 71, 145-62	30
1407	Phosphorylation of Enabled by the Drosophila Abelson tyrosine kinase regulates the in vivo function and protein-protein interactions of Enabled. 1998 , 18, 152-60	72
1406	Structural requirements for function of the Crkl adapter protein in fibroblasts and hematopoietic cells. 1998 , 18, 5082-90	67
1405	Identification of an immunoreceptor tyrosine-based activation motif of K1 transforming protein of Kaposi's sarcoma-associated herpesvirus. 1998 , 18, 5219-28	173
1404	Structural determinants of SHP-2 function and specificity in Xenopus mesoderm induction. 1998 , 18, 161-77	115
1403	FYB (FYN binding protein) serves as a binding partner for lymphoid protein and FYN kinase substrate SKAP55 and a SKAP55-related protein in T cells. 1998 , 95, 8779-84	109
1402	Enhancing leptin response by preventing SH2-containing phosphatase 2 interaction with Ob receptor. 1998 , 95, 6061-6	144
1401	Phosphoinositide 3-kinase: the key switch mechanism in insulin signalling. 1998 , 333 (Pt 3), 471-90	851
1400	Signaling through CD5 activates a pathway involving phosphatidylinositol 3-kinase, Vav, and Rac1 in human mature T lymphocytes. 1998 , 18, 1725-35	68
1399	Disabled is a putative adaptor protein that functions during signaling by the sevenless receptor tyrosine kinase. 1998 , 18, 4844-54	26
1398	Nucleophosmin-anaplastic lymphoma kinase of large-cell anaplastic lymphoma is a constitutively active tyrosine kinase that utilizes phospholipase C-gamma to mediate its mitogenicity. 1998 , 18, 6951-61	230
1397	Binding of Shp2 tyrosine phosphatase to FRS2 is essential for fibroblast growth factor-induced PC12 cell differentiation. 1998 , 18, 3966-73	277
1396	Requirement for phospholipase C-gamma1 enzymatic activity in growth factor-induced mitogenesis. 1998 , 18, 590-7	90
1395	Tyrosine 1101 of Tie2 is the major site of association of p85 and is required for activation of phosphatidylinositol 3-kinase and Akt. 1998 , 18, 4131-40	183
1394	Cytoskeletal polarization of T cells is regulated by an immunoreceptor tyrosine-based activation motif-dependent mechanism. 1998 , 140, 861-71	213
1393	Evidence for involvement of two isoforms of Syk protein-tyrosine kinase in signal transduction through the high affinity IgE receptor on rat basophilic leukemia cells. 1998 , 123, 1199-207	4
1392	Ras activation in astrocytomas and neurofibromas. 1998 , 25, 267-81	57
1391	Phosphatidylinositol 3'-kinase associates with an insulin receptor substrate-1 serine kinase distinct from its intrinsic serine kinase. 1998 , 335 (Pt 2), 397-404	11

1390	Interaction in vitro of the product of the c-Crk-II proto-oncogene with the insulin-like growth factor I receptor. 1998 , 330 (Pt 2), 923-32	39
1389	Signal transduction by epidermal growth factor and heregulin via the kinase-deficient ErbB3 protein. 1998 , 334 (Pt 1), 189-95	91
1388	Cbl-mediated negative regulation of the Syk tyrosine kinase. A critical role for Cbl phosphotyrosine-binding domain binding to Syk phosphotyrosine 323. 1998 , 273, 35273-81	145
1387	Lasp-1, a Novel Type of Actin-Binding Protein Accumulating in Cell Membrane Extensions. 1998 , 4, 675-687	80
1386	Role of signaling lymphocytic activation molecule in T helper cell responses. 1998 , 47, 85-89	
1385	Enhanced phosphorylation of Src family kinase substrates containing SH2 domain binding sites. 1998 , 273, 15325-8	57
1384	c-Cbl Is Tyrosine-Phosphorylated by Interleukin-4 and Enhances Mitogenic and Survival Signals of Interleukin-4 Receptor by Linking With the Phosphatidylinositol 3?-Kinase Pathway. 1998 , 91, 46-53	72
1383	Lyn Physically Associates With the Erythropoietin Receptor and May Play a Role in Activation of the Stat5 Pathway. 1998 , 91, 3734-3745	144
1382	The p85 and p110 Subunits of Phosphatidylinositol 3-Kinase Are Substrates, In Vitro, for a Constitutively Associated Protein Tyrosine Kinase in Platelets. 1998 , 91, 930-939	24
1381	Analysis of Signal Transduction Pathways in Human Eosinophils Activated by Chemoattractants and the T-Helper 2-Derived Cytokines Interleukin-4 and Interleukin-5. 1998 , 91, 2547-2557	104
1380	Molecular Identification and Functional Characterization of a Novel Protein That Mediates the Attachment of Erythroblasts to Macrophages. 1998 , 92, 2940-2950	116
1379	soc-2 encodes a leucine-rich repeat protein implicated in fibroblast growth factor receptor signaling. 1998 , 95, 6903-8	91
1378	T cell receptor-mediated tyrosine phosphorylation of Cas-L, a 105-kDa Crk-associated substrate-related protein, and its association of Crk and C3G. 1998 , 273, 6446-51	54
1377	Signal transduction by fibroblast growth factor receptors. 1999 , 4, D165-77	312
1376	EGF activates ErbB-2 and stimulates phosphatidylinositol 3-kinase in human airway smooth muscle cells. 1999 , 276, L246-55	22
1375	Epstein-barr virus immortalization and latency. 1999 , 4, d346-371	24
1374	Identification of a Novel Stat3 Recruitment and Activation Motif Within the Granulocyte Colony-Stimulating Factor Receptor. 1999 , 93, 15-24	60
1373	A Novel Spliced Form of SH2-Containing Inositol Phosphatase Is Expressed During Myeloid Development. 1999 , 93, 1922-1933	53

1372	Erythropoietin Induces the Tyrosine Phosphorylation of GAB1 and Its Association With SHC, SHP2, SHIP, and Phosphatidylinositol 3-Kinase. 1999 , 93, 2578-2585	100
1371	Biological effects of c-Mer receptor tyrosine kinase in hematopoietic cells depend on the Grb2 binding site in the receptor and activation of NF-kappaB. 1999 , 19, 1171-81	81
1370	Cloning, tissue expression, and chromosomal location of the mouse insulin receptor substrate 4 gene. 1999 , 140, 1329-37	64
1369	Ligand-receptor binding measured by laser-scanning imaging. 1999 , 96, 11122-7	37
1368	Protein tyrosine kinase p53/p56(lyn) forms complexes with gamma-tubulin in rat basophilic leukemia cells. 1999 , 11, 1829-39	24
1367	Distinct domains of MuSK mediate its abilities to induce and to associate with postsynaptic specializations. 1999 , 146, 1133-46	124
1366	RIBP, a novel Rlk/Txk- and itk-binding adaptor protein that regulates T cell activation. 1999 , 190, 1657-68	89
1365	OB-BP1/Siglec-6, a leptin- and sialic acid-binding protein of the immunoglobulin superfamily. 1999 , 274, 22729-38	130
1364	Adaptor proteins Grb2 and Crk couple Pyk2 with activation of specific mitogen-activated protein kinase cascades. 1999 , 274, 14893-901	169
1363	Interaction of insulin receptor substrate 3 with insulin receptor, insulin receptor-related receptor, insulin-like growth factor-1 receptor, and downstream signaling proteins. 1999 , 274, 15262-70	38
1362	Activation of nuclear factor of activated T cells-(NFAT) and activating protein 1 (AP-1) by oncogenic 70Z Cbl requires an intact phosphotyrosine binding domain but not Crk(L) or p85 phosphatidylinositol 3-kinase association. 1999 , 274, 5153-62	26
1361	Two murine and human homologs of mab-21, a cell fate determination gene involved in <i>Caenorhabditis elegans</i> neural development. 1999 , 8, 2397-406	46
1360	Melusin is a new muscle-specific interactor for beta(1) integrin cytoplasmic domain. 1999 , 274, 29282-8	86
1359	The proximal tyrosines of the cytoplasmic domain of the beta chain of the type I interferon receptor are essential for signal transducer and activator of transcription (Stat) 2 activation. Evidence that two Stat2 sites are required to reach a threshold of interferon alpha-induced Stat2 phosphorylation for transcriptional activation of interferon-stimulated gene factor 3. 1999 , 274, 7489-94	40
1358	The SH2 domain-containing inositol 5'-phosphatase (SHIP) recruits the p85 subunit of phosphoinositide 3-kinase during FcgammaRIIb1-mediated inhibition of B cell receptor signaling. 1999 , 274, 7489-94	49
1357	Analysis of tyrosine phosphorylation-dependent interactions between stimulatory effector proteins and the B cell co-receptor CD22. 1999 , 274, 18769-76	50
1356	Gab2, a new pleckstrin homology domain-containing adapter protein, acts to uncouple signaling from ERK kinase to Elk-1. 1999 , 274, 19649-54	112
1355	Involvement of regulatory and catalytic subunits of phosphoinositide 3-kinase in NF-kappaB activation. 1999 , 96, 429-34	274

1354	SHP2-interacting transmembrane adaptor protein (SIT), a novel disulfide-linked dimer regulating human T cell activation. 1999 , 189, 1181-94	63
1353	Complex formation with focal adhesion kinase: A mechanism to regulate activity and subcellular localization of Src kinases. 1999 , 10, 3489-505	181
1352	Focal adhesion kinase promotes phospholipase C-gamma1 activity. 1999 , 96, 9021-6	150
1351	The tyrosines in the bidentate motif of the env-sea oncoprotein are essential for cell transformation and are binding sites for Grb2 and the tyrosine phosphatase SHP-2. 1999 , 274, 7583-90	21
1350	Tyrosine phosphorylation of tub and its association with Src homology 2 domain-containing proteins implicate tub in intracellular signaling by insulin. 1999 , 274, 24980-6	75
1349	Fyn associates with Cbl and phosphorylates tyrosine 731 in Cbl, a binding site for phosphatidylinositol 3-kinase. 1999 , 274, 2097-106	114
1348	T cell activation stimulates the association of enzymatically active tyrosine-phosphorylated ZAP-70 with the Crk adapter proteins. 1999 , 274, 21519-27	35
1347	The protein-tyrosine phosphatase TCPTP regulates epidermal growth factor receptor-mediated and phosphatidylinositol 3-kinase-dependent signaling. 1999 , 274, 27768-75	90
1346	Tyrosine 319, a newly identified phosphorylation site of ZAP-70, plays a critical role in T cell antigen receptor signaling. 1999 , 274, 6285-94	105
1345	The signaling adapter FRS-2 competes with Shc for binding to the nerve growth factor receptor TrkA. A model for discriminating proliferation and differentiation. 1999 , 274, 9861-70	175
1344	Fyn kinase-directed activation of SH2 domain-containing protein-tyrosine phosphatase SHP-2 by Gi protein-coupled receptors in Madin-Darby canine kidney cells. 1999 , 274, 12401-7	21
1343	Regulation of fibroblast motility by the protein tyrosine phosphatase PTP-PEST. 1999 , 274, 3811-8	113
1342	The functional role of CrkII in actin cytoskeleton organization and mitogenesis. 1999 , 274, 3001-8	46
1341	Tyrosine 319 in the interdomain B of ZAP-70 is a binding site for the Src homology 2 domain of Lck. 1999 , 274, 14229-37	96
1340	Independent SH2-binding sites mediate interaction of Dok-related protein with RasGTPase-activating protein and Nck. 1999 , 274, 22775-84	56
1339	Affinity modulation of small-molecule ligands by borrowing endogenous protein surfaces. 1999 , 96, 1953-8	58
1338	Fibroblast growth factor receptor-1-mediated endothelial cell proliferation is dependent on the Src homology (SH) 2/SH3 domain-containing adaptor protein Crk. 1999 , 274, 25726-34	89
1337	FYN-T-FYB-SLP-76 interactions define a T-cell receptor zeta/CD3-mediated tyrosine phosphorylation pathway that up-regulates interleukin 2 transcription in T-cells. 1999 , 274, 21170-9	83

1336	Introduction to Cellular Signal Transduction. 1999 ,	3
1335	Identification of Tek/Tie2 binding partners. Binding to a multifunctional docking site mediates cell survival and migration. 1999 , 274, 30896-905	159
1334	Kinase interaction domain of kinase-associated protein phosphatase, a phosphoprotein-binding domain. 1999 , 96, 7821-6	106
1333	Fc receptor-mediated platelet activation is dependent on phosphatidylinositol 3-kinase activation and involves p120(Cbl). 1999 , 274, 1898-904	35
1332	Fiz1, a novel zinc finger protein interacting with the receptor tyrosine kinase Flt3. 1999 , 274, 21478-84	18
1331	Multiple signals mediate proliferation, differentiation, and survival from the granulocyte colony-stimulating factor receptor in myeloid 32D cells. 1999 , 274, 14956-62	93
1330	Characterization and binding specificity of the monomeric STAT3-SH2 domain. 1999 , 274, 1342-8	42
1329	Intermolecular interactions of the p85alpha regulatory subunit of phosphatidylinositol 3-kinase. 1999 , 274, 12323-32	42
1328	Hepatocyte growth factor/scatter factor, its molecular, cellular and clinical implications in cancer. 1999 , 29, 209-48	223
1327	Recruitment of proteins to modulate protein-protein interactions. 1999 , 6, R213-5	4
1326	Structure-based design of a non-peptidic antagonist of the SH2 domain of GRB2. 1999 , 9, 1973-8	17
1325	Structure-based design and synthesis of a novel class of Src SH2 inhibitors. 1999 , 9, 2353-8	34
1324	Physico-chemical and biological analysis of true combinatorial libraries. 1999 , 725, 17-37	11
1323	Peptide conjugates as tools for the study of biological signal transduction. 1999 , 7, 193-224	29
1322	The surprisingly flexible PTB domain. 1999 , 6, 7-10	15
1321	Concomitant activation of pathways downstream of Grb2 and PI 3-kinase is required for MET-mediated metastasis. 1999 , 18, 1139-46	69
1320	Characterization of a naturally occurring ErbB4 isoform that does not bind or activate phosphatidylinositol 3-kinase. 1999 , 18, 2607-15	135
1319	Involvement of the adapter protein CRKL in integrin-mediated adhesion. 1999 , 18, 3343-53	28

1318	STAT activation by the PDGF receptor requires juxtamembrane phosphorylation sites but not Src tyrosine kinase activation. 1999 , 18, 3583-92	56
1317	SHP-2 binds to Tyr763 and Tyr1009 in the PDGF beta-receptor and mediates PDGF-induced activation of the Ras/MAP kinase pathway and chemotaxis. 1999 , 18, 3696-702	58
1316	Inhibition of PLC-gamma1 activity converts nerve growth factor from an anti-mitogenic to a mitogenic signal in CHO cells. 1999 , 18, 4908-19	18
1315	FMIP, a novel Fms-interacting protein, affects granulocyte/macrophage differentiation. 1999 , 18, 6488-95	40
1314	The effect of transient global ischemia on the interaction of Src and Fyn with the N-methyl-D-aspartate receptor and postsynaptic densities: possible involvement of Src homology 2 domains. 1999 , 19, 880-8	67
1313	Tyrosines 60, 64, and 101 of Epstein-Barr virus LMP2A are not essential for blocking B cell signal transduction. 1999 , 263, 485-95	11
1312	Phosphorylation-dependent prolyl isomerization: a novel signaling regulatory mechanism. 1999 , 56, 788-806	109
1311	<i>C. elegans</i> vulval development as a model system to study the cancer biology of EGFR signaling. 1999 , 18, 203-13	29
1310	Probing the nature of interactions in SH2 binding interfaces--evidence from electrospray ionization mass spectrometry. 1999 , 8, 1962-70	32
1309	Protein-protein interactions in signaling cascades. 1999 , 13, 201-13	19
1308	Molecular pathogenesis of chronic myeloid leukemia: implications for new therapeutic strategies. 1999 , 78, 49-64	63
1307	p56lck SH2 domain binding motifs from bead binding screening of peptide libraries containing phosphotyrosine surrogates. 1999 , 6, 335-341	1
1306	Regulation of integrin function by T cell activation: points of convergence and divergence. 1999 , 20, 127-45	23
1305	CD28/CTLA-4 and CD80/CD86 families: signaling and function. 1999 , 19, 1-24	142
1304	Negative signaling in health and disease. 1999 , 19, 47-64	9
1303	Development of non-phosphorylated cyclic thioether peptide binding to the Grb2-SH2 domain. 1999 , 6, 45-49	5
1302	Recognition and regulation of primary-sequence motifs by signaling modular domains. 1999 , 71, 359-72	43
1301	Membrane-targeting of signalling molecules by SH2/SH3 domain-containing adaptor proteins. 1999 , 1422, 187-204	105

1300	Characterization of interactions of Nck with Sos and dynamin. 1999 , 11, 25-9	35
1299	Requirement of multiple SH3 domains of Nck for ligand binding. 1999 , 11, 253-62	33
1298	The next wave: protein tyrosine phosphatases enter T cell antigen receptor signalling. 1999 , 11, 637-50	26
1297	Potent inhibitory ligands of the GRB2 SH2 domain from recombinant peptide libraries. 1999 , 11, 453-64	23
1296	Tyrosine phosphorylation enhances the SH2 domain-binding activity of Bcr and inhibits Bcr interaction with 14-3-3 proteins. 1999 , 11, 507-14	11
1295	Insulin signalling: metabolic pathways and mechanisms for specificity. 1999 , 11, 563-74	162
1294	Novel mode of ligand binding by the SH2 domain of the human XLP disease gene product SAP/SH2D1A. 1999 , 9, 1355-62	97
1293	Regulation of imaginal disc cell size, cell number and organ size by Drosophila class I(A) phosphoinositide 3-kinase and its adaptor. 1999 , 9, 1019-29	257
1292	Recruitment of Dok-R to the EGF receptor through its PTB domain is required for attenuation of Erk MAP kinase activation. 1999 , 9, 1057-60	84
1291	Multiple binding sites in the growth factor receptor Xmrk mediate binding to p59fyn, GRB2 and Shc. 1999 , 260, 275-83	30
1290	Covalent immobilization of recombinant human alphavbeta3 integrin on a solid support with retention of functionality. 1999 , 266, 153-64	13
1289	Identification of cadherin tyrosine residues that are phosphorylated and mediate Shc association. 1999 , 75, 264-271	20
1288	SH2 domains: from structure to energetics, a dual approach to the study of structure-function relationships. 1999 , 19, 273-93	27
1287	Molecular alterations of the Fyn-complex occur as late events of human T cell activation. 1999 , 29, 1175-87	18
1286	The SH3 domain of Bruton's tyrosine kinase displays altered ligand binding properties when auto-phosphorylated in vitro. 1999 , 29, 2269-79	49
1285	Sequence polymorphisms between latent membrane proteins LMP1 and LMP2A do not correlate in EBV-associated reactive and malignant lympho-proliferations. 1999 , 81, 371-5	12
1284	Signaling pathways are focused at specialized regions of the plasma membrane by scaffolding proteins of the MAGUK family. 1999 , 21, 912-21	172
1283	Structure-based design, synthesis, and X-ray crystallography of a high-affinity antagonist of the Grb2-SH2 domain containing an asparagine mimetic. 1999 , 42, 2358-63	51

1282	Macrophage stimulating protein. 2000 , 77, 139-67		25
1281	EGF receptor. 1999 , 31, 637-43		823
1280	Crystal structures of the XLP protein SAP reveal a class of SH2 domains with extended, phosphotyrosine-independent sequence recognition. 1999 , 4, 555-61		213
1279	Crystal structure of Hck in complex with a Src family-selective tyrosine kinase inhibitor. 1999 , 3, 639-48		384
1278	The p21-Ras signal transduction pathway and growth regulation in human high-grade gliomas. 1999 , 29, 232-49		42
1277	FcγRII tyrosine phosphorylation differs between FcγRII cross-linking and platelet-activating anti-platelet monoclonal antibodies. 1999 , 1451, 353-63		8
1276	Transferred Cross-Correlated Relaxation Complements Transferred NOE: Structure of an IL-4R-Derived Peptide Bound to STAT-6. 1999 , 121, 1949-1953		58
1275	Differential association of cytoplasmic signalling molecules SHP-1, SHP-2, SHIP and phospholipase C-γ1 with PECAM-1/CD31. 1999 , 450, 77-83		86
1274	EGF receptor signaling stimulates SRC kinase phosphorylation of clathrin, influencing clathrin redistribution and EGF uptake. <i>Cell</i> , 1999 , 96, 677-87	56.2	299
1273	Autonomous control of cell and organ size by CHICO, a Drosophila homolog of vertebrate IRS1-4. <i>Cell</i> , 1999 , 97, 865-75	56.2	704
1272	Tyrosine phosphorylation of p62(Dok) induced by cell adhesion and insulin: possible role in cell migration. 1999 , 18, 1748-60		105
1271	Phosphorylation of Tyr319 in ZAP-70 is required for T-cell antigen receptor-dependent phospholipase C-γ1 and Ras activation. 1999 , 18, 1832-44		146
1270	Discovery of potent and selective SH2 inhibitors of the tyrosine kinase ZAP-70. 1999 , 42, 4088-98		81
1269	Acquisition of high-affinity, SH2-targeted ligands via a spatially focused library. 1999 , 42, 784-7		35
1268	Phosphotyrosine-containing dipeptides as high-affinity ligands for the p56lck SH2 domain. 1999 , 42, 722-9		15
1267	Calorimetric examination of high-affinity Src SH2 domain-tyrosyl phosphopeptide binding: dissection of the phosphopeptide sequence specificity and coupling energetics. 1999 , 38, 5147-54		77
1266	Ligands for the tyrosine kinase p56lck SH2 domain: discovery of potent dipeptide derivatives with monocharged, nonhydrolyzable phosphate replacements. 1999 , 42, 1757-66		55
1265	Multiple in vivo tyrosine phosphorylation sites in EphB receptors. 1999 , 38, 14396-408		70

1264	The IL-4 receptor: signaling mechanisms and biologic functions. 1999 , 17, 701-38	1239
1263	PI3-kinase is involved in mitogenic signaling by the oncogenic receptor tyrosine kinase Xiphophorus melanoma receptor kinase in fish melanoma. 1999 , 251, 340-9	21
1262	Multiple roles for Src in a PDGF-stimulated cell. 1999 , 253, 271-9	49
1261	Crystal structure of the C-terminal SH2 domain of the p85alpha regulatory subunit of phosphoinositide 3-kinase: an SH2 domain mimicking its own substrate. 1999 , 292, 763-70	28
1260	Investigation of phosphotyrosine recognition by the SH2 domain of the Src kinase. 1999 , 293, 971-85	127
1259	Sequence and structure-based prediction of eukaryotic protein phosphorylation sites. 1999 , 294, 1351-62	2406
1258	Evidence for and against a pivotal role of PI 3-kinase in a neuronal cell survival pathway. 1999 , 13, 272-80	63
1257	Thrombopoietin signal transduction: studies from cell lines and primary cells. 1999 , 17, 238-49	38
1256	Solution structure and dynamics of G1TE, a nonphosphorylated cyclic peptide inhibitor for the Grb2 SH2 domain. 1999 , 372, 309-14	16
1255	Mutant mice lacking Crk-II caused by the gene trap insertional mutagenesis: Crk-II is not essential for embryonic development. 1999 , 266, 569-74	26
1254	Evidence that a starfish egg Src family tyrosine kinase associates with PLC-gamma1 SH2 domains at fertilization. 1999 , 208, 189-99	60
1253	Cell-fate decisions in early T cell development: regulation by cytokine receptors and the pre-TCR. 1999 , 11, 23-37	72
1252	Platelet-derived growth factor-dependent association of the GTPase-activating protein of Ras and Src. 1999 , 344, 519-526	20
1251	Identification of Tyr-703 and Tyr-936 as the primary association sites for Grb2 and Grb7 in the c-Kit/stem cell factor receptor. 1999 , 341, 211-216	86
1250	Identification of Tyr-703 and Tyr-936 as the primary association sites for Grb2 and Grb7 in the c-Kit/stem cell factor receptor. 1999 , 341, 211	35
1249	Platelet-derived growth factor-dependent association of the GTPase-activating protein of Ras and Src. 1999 , 344, 519	6
1248	Flt3 signaling involves tyrosyl-phosphorylation of SHP-2 and SHIP and their association with Grb2 and Shc in Baf3/Flt3 cells. 1999 , 65, 372-80	93
1247	The role of individual SH2 domains in mediating association of phospholipase C-gamma1 with the activated EGF receptor. 1999 , 274, 26091-7	102

1246	Selective interaction of vitamin D receptor with transcriptional coactivators by a vitamin D analog. 1999 , 19, 1049-55	178
1245	The oncogenic 70Z Cbl mutation blocks the phosphotyrosine binding domain-dependent negative regulation of ZAP-70 by c-Cbl in Jurkat T cells. 1999 , 19, 6652-64	23
1244	SH3P7 is a cytoskeleton adapter protein and is coupled to signal transduction from lymphocyte antigen receptors. 1999 , 19, 1539-46	77
1243	Characterization of a novel member of the DOK family that binds and modulates Abl signaling. 1999 , 19, 8314-25	97
1242	Functional independence and interdependence of the Src homology domains of phospholipase C-gamma1 in B-cell receptor signal transduction. 1999 , 19, 7388-98	35
1241	A single amino acid substitution in the v-Eyk intracellular domain results in activation of Stat3 and enhances cellular transformation. 1999 , 19, 1401-9	108
1240	Physiological requirement for both SH2 domains for phospholipase C-gamma1 function and interaction with platelet-derived growth factor receptors. 1999 , 19, 4961-70	60
1239	Structure-based design and solid-phase parallel synthesis of phosphorylated nonpeptides to explore hydrophobic binding at the Src SH2 domain. 2000 , 2, 305-13	12
1238	Signal transduction during natural killer cell activation. 2001 , Chapter 9, Unit 9.16	1
1237	Conformational requirements of collagenous peptides for recognition by the chaperone protein HSP47. 2000 , 275, 27957-63	47
1236	Direct binding of the signaling adapter protein Grb2 to the activation loop tyrosines on the nerve growth factor receptor tyrosine kinase, TrkA. 2000 , 275, 18225-33	41
1235	Mapping specificity determinants for protein-protein association using protein fusions and random peptide libraries. 2000 , 328, 157-70	27
1234	The β subunit of the hepatocyte growth factor/scatter factor (HGF/SF) receptor phosphorylates and associates with CrkII: expression of CrkII enhances HGF/SF-induced mitogenesis. 2000 , 350, 925	3
1233	The β subunit of the hepatocyte growth factor/scatter factor (HGF/SF) receptor phosphorylates and associates with CrkII: expression of CrkII enhances HGF/SF-induced mitogenesis. 2000 , 350, 925-932	8
1232	Insulin action on the ovary. 2000 , 8, 25-39	
1231	Up-regulation of the protein tyrosine phosphatase SHP-1 in human breast cancer and correlation with GRB2 expression. 2000 , 88, 363-368	64
1230	Kinetic analysis of the mass transport limited interaction between the tyrosine kinase lck SH2 domain and a phosphorylated peptide studied by a new cuvette-based surface plasmon resonance instrument. 2000 , 279, 61-70	57
1229	Suppression of the rat microglia Kv1.3 current by src-family tyrosine kinases and oxygen/glucose deprivation. 2000 , 12, 1949-60	57

1228	Activation of phosphatidylinositol 3-kinase by a complex of p59fyn and the receptor tyrosine kinase Xmrk is involved in malignant transformation of pigment cells. 2000 , 267, 3513-22	26
1227	An unsolved problem of the clonal selection theory and the model of an oligomeric B-cell antigen receptor. 2000 , 176, 10-8	59
1226	Searching for specificity in SH domains. 2000 , 7, R3-8	86
1225	A Src SH2 selective binding compound inhibits osteoclast-mediated resorption. 2000 , 7, 225-35	54
1224	c-Abl: activation and nuclear targets. 2000 , 7, 10-6	105
1223	The leukaemic oncoproteins Bcr-Abl and Tel-Abl (ETV6/Abl) have altered substrate preferences and activate similar intracellular signalling pathways. 2000 , 19, 1684-90	64
1222	Shp-2 mediates v-Src-induced morphological changes and activation of the anti-apoptotic protein kinase Akt. 2000 , 19, 3164-71	62
1221	Cell-cell adhesion-mediated tyrosine phosphorylation of nectin-2delta, an immunoglobulin-like cell adhesion molecule at adherens junctions. 2000 , 19, 4022-8	10
1220	The proto-oncogene c-Cbl is a positive regulator of Met-induced MAP kinase activation: a role for the adaptor protein Crk. 2000 , 19, 4058-65	37
1219	The Ron oncogenic activity induced by the MEN2B-like substitution overcomes the requirement for the multifunctional docking site. 2000 , 19, 5208-11	17
1218	Selected glimpses into the activation and function of Src kinase. 2000 , 19, 5620-35	321
1217	Proteins suggest form of their own database. 2000 , 403, 591-2	4
1216	Adaptor protein SKAP55R is associated with myeloid differentiation and growth arrest. 2000 , 28, 1250-9	21
1215	The substrate specificity of the catalytic domain of Abl plays an important role in directing phosphorylation of the adaptor protein Crk. 2000 , 12, 637-43	10
1214	Structure and function of phosphatidylinositol-3,4 kinase. 2000 , 12, 135-42	24
1213	Egg activation: upstream of the fertilization calcium signal. 2000 , 92, 215-33	47
1212	Focal adhesions: structure and dynamics. 2000 , 92, 477-94	249
1211	STIM1: a novel phosphoprotein located at the cell surface. 2000 , 1481, 147-55	194

1210	Solution structure of the human BTK SH3 domain complexed with a proline-rich peptide from p120cbl. 2000 , 16, 303-12	19
1209	Comparison of binding energies of SrcSH2-phosphotyrosyl peptides with structure-based prediction using surface area based empirical parameterization. 2000 , 9, 1975-85	37
1208	Stability and peptide binding specificity of Btk SH2 domain: molecular basis for X-linked agammaglobulinemia. 2000 , 9, 2377-85	29
1207	Caenorhabditis elegans SOS-1 is necessary for multiple RAS-mediated developmental signals. 2000 , 19, 3283-94	55
1206	Extracellular domains drive homo- but not hetero-dimerization of erbB receptors. 2000 , 19, 4632-43	103
1205	A nuclear tyrosine phosphorylation circuit: c-Jun as an activator and substrate of c-Abl and JNK. 2000 , 19, 273-81	76
1204	A phosphotyrosine displacement mechanism for activation of Src by PTPalpha. 2000 , 19, 964-78	201
1203	Multiple modes of peptide recognition by the PTB domain of the cell fate determinant Numb. 2000 , 19, 1505-15	77
1202	Focal adhesion kinases: interest in immunoendocrinology, developmental biology, and cancer. 2000 , 13, 233-42	4
1201	CD19 regulates intrinsic B lymphocyte signal transduction and activation through a novel mechanism of processive amplification. 2000 , 22, 281-98	50
1200	Differential stimulation of c-Kit mutants by membrane-bound and soluble Steel Factor correlates with leukemic potential. 2000 , 96, 3734-3742	47
1199	The Grb2 binding site is required for the induction of chronic myeloid leukemia-like disease in mice by the Bcr/Abl tyrosine kinase. 2000 , 96, 664-670	118
1198	Nucleophosmin β naplastic lymphoma kinase associated with anaplastic large-cell lymphoma activates the phosphatidylinositol 3-kinase/Akt antiapoptotic signaling pathway. 2000 , 96, 4319-4327	254
1197	Bruton tyrosine kinase BTK in X-linked agammaglobulinemia XLA. 2000 , 5, d917-928	2
1196	A natural ErbB4 isoform that does not activate phosphoinositide 3-kinase mediates proliferation but not survival or chemotaxis. 2000 , 275, 8641-9	129
1195	Hck enhances the adherence of lipopolysaccharide-stimulated macrophages via Cbl and phosphatidylinositol 3-kinase. 2000 , 275, 14615-23	35
1194	Activation (tyrosine phosphorylation) of ErbB-2 (HER-2/neu): a study of incidence and correlation with outcome in breast cancer. 2000 , 18, 3230-9	140
1193	Impaired kit- but not FcepsilonRI-initiated mast cell activation in the absence of phosphoinositide 3-kinase p85alpha gene products. 2000 , 275, 6022-9	68

1192	Wee1-regulated apoptosis mediated by the crk adaptor protein in Xenopus egg extracts. 2000 , 151, 1391-400	27
1191	Nckbeta adapter regulates actin polymerization in NIH 3T3 fibroblasts in response to platelet-derived growth factor bb. 2000 , 20, 7867-80	78
1190	Association of p130CAS with phosphatidylinositol-3-OH kinase mediates adenovirus cell entry. 2000 , 275, 14729-35	88
1189	Insulin activation of mitogen-activated protein kinases Erk1,2 is amplified via beta-adrenergic receptor expression and requires the integrity of the Tyr350 of the receptor. 2000 , 275, 36086-93	27
1188	Activation of lymphocyte signaling by the R1 protein of rhesus monkey rhadinovirus. 2000 , 74, 2721-30	30
1187	Convergence of Fc gamma receptor IIA and Fc gamma receptor IIIB signaling pathways in human neutrophils. 2000 , 164, 350-60	84
1186	The c-Abl tyrosine kinase is regulated downstream of the B cell antigen receptor and interacts with CD19. 2000 , 165, 6872-9	61
1185	The X-linked lymphoproliferative syndrome gene product SH2D1A associates with p62dok (Dok1) and activates NF-kappa B. 2000 , 97, 7470-5	49
1184	c-Src signaling induced by the adapters Sin and Cas is mediated by Rap1 GTPase. 2000 , 20, 7363-77	43
1183	Cbl suppresses B cell receptor-mediated phospholipase C (PLC)-gamma2 activation by regulating B cell linker protein-PLC-gamma2 binding. 2000 , 191, 641-50	75
1182	Identification of the Novel K15 Gene at the Rightmost End of the Kaposi's Sarcoma-Associated Herpesvirus Genome. 2000 , 74, 436-446	101
1181	Using a phage display library to identify basic residues in A-Raf required to mediate binding to the Src homology 2 domains of the p85 subunit of phosphatidylinositol 3'-kinase. 2000 , 275, 36450-6	24
1180	Ligand discrimination in signaling through an ErbB4 receptor homodimer. 2000 , 275, 19803-7	81
1179	Signaling of hepatocyte growth factor/scatter factor (HGF) to the small GTPase Rap1 via the large docking protein Gab1 and the adapter protein CRKL. 2000 , 275, 10772-8	110
1178	Modulation of the catalytic activity of the Src family tyrosine kinase Hck by autophosphorylation at a novel site in the unique domain. 2000 , 275, 33353-64	23
1177	Transforming ability of MEN2A-RET requires activation of the phosphatidylinositol 3-kinase/AKT signaling pathway. 2000 , 275, 3568-76	164
1176	Biochemical interactions integrating Itk with the T cell receptor-initiated signaling cascade. 2000 , 275, 2219-30	217
1175	Regulation of the bovine kidney microsomal chloride channel p64 by p59fyn, a Src family tyrosine kinase. 2000 , 275, 31826-32	23

1174	Peptidomimetic SH2 Domain Antagonists for Targeting Signal Transduction. 2000 , 17-59	21
1173	Role of the β integrin molecule in T-cell activation and migration. 2000 , 10, 8-15	1
1172	A BASH/SLP-76-related adaptor protein MIST/Clnk involved in IgE receptor-mediated mast cell degranulation. 2000 , 12, 573-80	39
1171	Tissue-specific regulation of IRS-2/PI 3-kinase association in aged rats. 2000 , 381, 75-8	6
1170	Networks in signal transduction: the role of adaptor proteins in platelet activation. 2000 , 11, 429-45	12
1169	The osmotic shock-induced glucose transport pathway in 3T3-L1 adipocytes is mediated by gab-1 and requires Gab-1-associated phosphatidylinositol 3-kinase activity for full activation. 2000 , 275, 26870-6	21
1168	Negative regulation of growth hormone receptor/JAK2 signaling by signal regulatory protein alpha. 2000 , 275, 28222-9	47
1167	A novel B lymphocyte-associated adaptor protein, Bam32, regulates antigen receptor signaling downstream of phosphatidylinositol 3-kinase. 2000 , 191, 1319-32	82
1166	Sik (BRK) phosphorylates Sam68 in the nucleus and negatively regulates its RNA binding ability. 2000 , 20, 6114-26	134
1165	SOCS3 mediates feedback inhibition of the leptin receptor via Tyr985. 2000 , 275, 40649-57	383
1164	A phosphatidylinositol 3-kinase/Akt pathway, activated by tumor necrosis factor or interleukin-1, inhibits apoptosis but does not activate NFkappaB in human endothelial cells. 2000 , 275, 15458-65	173
1163	Six X-linked agammaglobulinemia-causing missense mutations in the Src homology 2 domain of Bruton's tyrosine kinase: phosphotyrosine-binding and circular dichroism analysis. 2000 , 164, 4170-7	28
1162	The evolutionarily conserved N-terminal region of Cbl is sufficient to enhance down-regulation of the epidermal growth factor receptor. 2000 , 275, 367-77	119
1161	Coupling of Gab1 to c-Met, Grb2, and Shp2 mediates biological responses. 2000 , 149, 1419-32	306
1160	Differential roles of the Src homology 2 domains of phospholipase C-gamma1 (PLC-gamma1) in platelet-derived growth factor-induced activation of PLC-gamma1 in intact cells. 2000 , 275, 6411-6	28
1159	Paxillin alpha and Crk-associated substrate exert opposing effects on cell migration and contact inhibition of growth through tyrosine phosphorylation. 2000 , 97, 9076-81	81
1158	Constitutive activation of STAT5 by a point mutation in the SH2 domain. 2000 , 275, 24407-13	74
1157	Association of Grb2, Gads, and phospholipase C-gamma 1 with phosphorylated LAT tyrosine residues. Effect of LAT tyrosine mutations on T cell antigen receptor-mediated signaling. 2000 , 275, 23355-61	315

1156	The Rho family guanine nucleotide exchange factor Vav-2 regulates the development of cell-mediated cytotoxicity. 2000 , 192, 381-92	48
1155	Ras-GAP binding and phosphorylation by herpes simplex virus type 2 RR1 PK (ICP10) and activation of the Ras/MEK/MAPK mitogenic pathway are required for timely onset of virus growth. 2000 , 74, 10417-29	72
1154	The collagen repeat sequence is a determinant of the degree of herpesvirus saimiri STP transforming activity. 2000 , 74, 8102-10	28
1153	Class II phosphoinositide 3-kinases are downstream targets of activated polypeptide growth factor receptors. 2000 , 20, 3817-30	136
1152	GTK, a Src-related tyrosine kinase, induces nerve growth factor-independent neurite outgrowth in PC12 cells through activation of the Rap1 pathway. Relationship to Shb tyrosine phosphorylation and elevated levels of focal adhesion kinase. 2000 , 275, 29153-61	31
1151	DAP10 and DAP12 form distinct, but functionally cooperative, receptor complexes in natural killer cells. 2000 , 192, 1059-68	188
1150	Regulation of protein kinase C θ function during T cell activation by Lck-mediated tyrosine phosphorylation. 2000 , 275, 3603-9	95
1149	The adapter protein LAT enhances fcgamma receptor-mediated signal transduction in myeloid cells. 2000 , 275, 20480-7	57
1148	Assessment of protein-tyrosine phosphatase 1B substrate specificity using "inverse alanine scanning". 2000 , 275, 2265-8	58
1147	Pleiotropic contributions of phospholipase C-gamma1 (PLC-gamma1) to T-cell antigen receptor-mediated signaling: reconstitution studies of a PLC-gamma1-deficient Jurkat T-cell line. 2000 , 20, 9149-61	112
1146	LAT, the linker for activation of T cells: a bridge between T cell-specific and general signaling pathways. 2000 , 2000, re1	61
1145	The carboxyl terminus of v-Abl protein can augment SH2 domain function. 2000 , 74, 4495-504	9
1144	Suppressor of cytokine signaling-3 preferentially binds to the SHP-2-binding site on the shared cytokine receptor subunit gp130. 2000 , 97, 6493-8	388
1143	A computationally directed screen identifying interacting coiled coils from <i>Saccharomyces cerevisiae</i> . 2000 , 97, 13203-8	139
1142	Requirement of SHP2 binding to Grb2-associated binder-1 for mitogen-activated protein kinase activation in response to lysophosphatidic acid and epidermal growth factor. 2000 , 275, 13842-8	108
1141	Activation of downstream signals by the long form of the leptin receptor. 2000 , 275, 14563-72	586
1140	Reciprocal regulation of Hck activity by phosphorylation of Tyr(527) and Tyr(416). Effect of introducing a high affinity intramolecular SH2 ligand. 2000 , 275, 2721-6	97
1139	Utilization of distinct signaling pathways by receptors for vascular endothelial cell growth factor and other mitogens in the induction of endothelial cell proliferation. 2000 , 275, 5096-103	228

1138	Characterization of Drosophila insulin receptor substrate. 2000 , 275, 23346-54	29
1137	Possible involvement of Shc in IL-4-induced germline epsilon transcription in a human B cell line. 2000 , 268, 54-9	6
1136	Structural basis for SH2D1A mutations in X-linked lymphoproliferative disease. 2000 , 269, 124-30	26
1135	Differential interaction of CrkII adaptor protein with platelet-derived growth factor alpha- and beta-receptors is determined by its internal tyrosine phosphorylation. 2000 , 270, 28-33	16
1134	Computational and functional analysis of the putative SH2 domain in Janus Kinases. 2000 , 278, 175-82	33
1133	Delineation and mapping of Stat5 isoforms activated by granulocyte colony-stimulating factor in myeloid cells. 2000 , 26, 320-30	8
1132	Role of the Fyn kinase in calcium release during fertilization of the sea urchin egg. 2000 , 225, 253-64	49
1131	Identification of natural ligands for SH2 domains from a phage display cDNA library. 2000 , 297, 89-97	45
1130	Backbone dynamics of the C-terminal SH2 domain of the p85alpha subunit of phosphoinositide 3-kinase: effect of phosphotyrosine-peptide binding and characterization of slow conformational exchange processes. 2000 , 299, 771-88	31
1129	Mutational investigation of the specificity determining region of the Src SH2 domain. 2000 , 299, 521-35	42
1128	Rational design and purification of human Bruton's tyrosine kinase SH3-SH2 protein for structure-function studies. 2000 , 20, 365-71	4
1127	The mitogenic activity of hepatocyte growth factor on rat hepatocytes is dependent upon endogenous transforming growth factor-alpha. 2000 , 157, 1693-701	45
1126	NK cell activation: distinct stimulatory pathways counterbalancing inhibitory signals. 2000 , 61, 18-27	109
1125	Structural basis for specificity switching of the Src SH2 domain. 2000 , 5, 1043-9	41
1124	ARK-1 Inhibits EGFR Signaling in C. elegans. 2000 , 6, 65-75	92
1123	Truncated adenomatous polyposis coli (APC) tumour suppressor protein can undergo tyrosine phosphorylation. 2000 , 36, 525-32	3
1122	BCAP: the tyrosine kinase substrate that connects B cell receptor to phosphoinositide 3-kinase activation. 2000 , 13, 817-27	228
1121	BLNK: connecting Syk and Btk to calcium signals. 2000 , 12, 1-5	198

1120	The molecular basis of FHA domain:phosphopeptide binding specificity and implications for phospho-dependent signaling mechanisms. 2000 , 6, 1169-82		357
1119	Structural basis for relief of autoinhibition of the Dbl homology domain of proto-oncogene Vav by tyrosine phosphorylation. <i>Cell</i> , 2000 , 102, 625-33	56.2	318
1118	Cell signaling by receptor tyrosine kinases. <i>Cell</i> , 2000 , 103, 211-25	56.2	3429
1117	Domain repertoires as a tool to derive protein recognition rules. 2000 , 480, 49-54		13
1116	The SH3 and SH2 domains are capable of directing specificity in protein interactions between the non-receptor tyrosine kinases cSrc and cYes. 2000 , 19, 155-60		25
1115	Identification of the carbonic anhydrase II binding site in the Cl(-)/HCO(3)(-) anion exchanger AE1. 2000 , 39, 5527-33		153
1114	Epstein-Barr virus latency: LMP2, a regulator or means for Epstein-Barr virus persistence?. 2000 , 79, 175-200		90
1113	Recruitment of the protein-tyrosine phosphatase SHP-2 to the C-terminal tyrosine of the prolactin receptor and to the adaptor protein Gab2. 2000 , 275, 39073-80		25
1112	NMR structure of the N-SH2 of the p85 subunit of phosphoinositide 3-kinase complexed to a doubly phosphorylated peptide reveals a second phosphotyrosine binding site. 2000 , 39, 15860-9		28
1111	A peptide model system for processive phosphorylation by Src family kinases. 2000 , 39, 14531-7		44
1110	Cyclic peptides incorporating 4-carboxyphenylalanine and phosphotyrosine are potent inhibitors of pp60(c)-(src). 2000 , 39, 5221-8		8
1109	Determination of the binding specificity of the SH2 domains of protein tyrosine phosphatase SHP-1 through the screening of a combinatorial phosphotyrosyl peptide library. 2000 , 39, 13251-60		57
1108	Role of electrostatic interactions in SH2 domain recognition: salt-dependence of tyrosyl-phosphorylated peptide binding to the tandem SH2 domain of the Syk kinase and the single SH2 domain of the Src kinase. 2000 , 39, 10072-81		47
1107	Dimer formation through domain swapping in the crystal structure of the Grb2-SH2-Ac-pYVNV complex. 2000 , 39, 13376-82		53
1106	Beta 1-integrin-mediated cell signaling in T lymphocytes. 2000 , 23, 75-86		33
1105	Identification of major tyrosine phosphorylation sites in the human insulin receptor substrate Gab-1 by insulin receptor kinase in vitro. 2000 , 39, 10898-907		50
1104	Inhibitors to the Src SH2 domain: a lesson in structure--thermodynamic correlation in drug design. 2001 , 390, 158-68		32
1103	HSH2: a novel SH2 domain-containing adapter protein involved in tyrosine kinase signaling in hematopoietic cells. 2001 , 288, 1078-86		25

1102	The microbial receptor CEACAM3 is linked to the calprotectin complex in granulocytes. 2001 , 289, 191-7	10
1101	Signaling domains of the interleukin 2 receptor. 2001 , 14, 63-77	154
1100	PKC-dependent activation of FAK and src induces tyrosine phosphorylation of Cas and formation of Cas-Crk complexes. 2001 , 264, 296-306	37
1099	ConSurf: an algorithmic tool for the identification of functional regions in proteins by surface mapping of phylogenetic information. 2001 , 307, 447-63	380
1098	Fc gamma receptors differ in their structural requirements for interaction with the tyrosine kinase Syk in the initial steps of signaling for phagocytosis. 2001 , 98, 125-32	22
1097	Comparative study on the effect of phosphorylated TCR zeta chain ITAM sequences on early activation events in Jurkat T cells. 2001 , 22, 1963-71	8
1096	Bone-targeted Src SH2 inhibitors block Src cellular activity and osteoclast-mediated resorption. 2001 , 28, 54-64	39
1095	Structure and dual function of vascular endothelial growth factor receptor-1 (Flt-1). 2001 , 33, 409-20	200
1094	Coupling Met to specific pathways results in distinct developmental outcomes. 2001 , 7, 1293-306	125
1093	A yeast two-hybrid study of human p97/Gab2 interactions with its SH2 domain-containing binding partners. 2001 , 495, 148-53	46
1092	A role for dietary fat in leptin receptor, OB-Rb, function. 2001 , 69, 987-1003	35
1091	Nonpeptidic, monocharged, cell permeable ligands for the p56lck SH2 domain. 2001 , 44, 2421-31	13
1090	c-Src tyrosine phosphorylation of epidermal growth factor receptor, P190 RhoGAP, and focal adhesion kinase regulates diverse cellular processes. 2001 , 101, 2425-40	52
1089	Oncogenic Transformation of T Cells by Herpesvirus saimiri. 2001 , 23, 140-158	1
1088	Insulin signal transduction in rat small intestine: role of MAP kinases in expression of mucosal hydrolases. 2001 , 280, G229-40	18
1087	Regulation of phospholipase C-gamma(1) by the actin-regulatory protein villin. 2001 , 281, C1046-58	32
1086	The beta-amyloid precursor protein APP is tyrosine-phosphorylated in cells expressing a constitutively active form of the Abl protooncogene. 2001 , 276, 19787-92	91
1085	Mechanisms of signaling by the hematopoietic-specific adaptor proteins, SLP-76 and LAT and their B cell counterpart, BLNK/SLP-65. 2001 , 79, 93-128	53

1084 Insulin Receptor Tyrosine Kinase. **2001**, 399-411

1083 Thrombopoietin stimulates cortactin translocation to the cytoskeleton independently of tyrosine phosphorylation. **2001**, 356, 875-81 5

1082 Direct identification of a major autophosphorylation site on vascular endothelial growth factor receptor Flt-1 that mediates phosphatidylinositol 3'-kinase binding. **2001**, 358, 465-72 11

1081 Multiple stimuli induce tyrosine phosphorylation of the Crk-binding sites of paxillin. **2001**, 360, 57-66 30

1080 Direct identification of a major autophosphorylation site on vascular endothelial growth factor receptor Flt-1 that mediates phosphatidylinositol 3'-kinase binding. **2001**, 358, 465-472 20

1079 Multiple stimuli induce tyrosine phosphorylation of the Crk-binding sites of paxillin. **2001**, 360, 57-66 47

1078 Thrombopoietin stimulates cortactin translocation to the cytoskeleton independently of tyrosine phosphorylation. **2001**, 356, 875-881 13

1077 A common epitope is shared by activated signal transducer and activator of transcription-5 (STAT5) and the phosphorylated erythropoietin receptor: implications for the docking model of STAT activation. **2001**, 97, 2230-7 36

1076 Peptide library screening for determination of SH2 or phosphotyrosine-binding domain sequences. **2001**, 332, 183-95 5

1075 Signal transduction during natural killer cell activation. **2001**, Chapter 11, Unit 11.9B 2

1074 Analysis of protein kinase specificity by peptide libraries and prediction of in vivo substrates. **2001**, 332, 171-83 10

1073 TYK2 and JAK2 are substrates of protein-tyrosine phosphatase 1B. **2001**, 276, 47771-4 330

1072 Structural and functional hot spots in cytokine receptors. **2001**, 73, 299-307 7

1071 Affinity chromatography on vancomycin coupled to reversed phase liquid chromatography/electrospray-ion trap mass spectrometry for the screening of combinatorial libraries. **2001**, 54, 433-437 0

1070 Tyrosine phosphorylation-dependent activation of NF-kappa B. Requirement for p56 LCK and ZAP-70 protein tyrosine kinases. **2001**, 268, 1508-15 103

1069 Enterohaemorrhagic and enteropathogenic Escherichia coli use a different Tir-based mechanism for pedestal formation. **2001**, 41, 1445-58 94

1068 Selective inhibition of Src SH2 by a novel thiol-targeting tricarbonyl-modified inhibitor and mechanistic analysis by (1)H/(13)C NMR spectroscopy. **2001**, 11, 1665-9 11

1067 SH2 domain inhibition: a problem solved?. **2001**, 5, 409-15 87

1066	Src homology-2 domain binding assays by scintillation proximity and surface plasmon resonance. 2001 , 14, 254-60	10
1065	The synthesis of phosphopeptides. 2001 , 60, 3-31	49
1064	Designing cell-permeant phosphopeptides to modulate intracellular signaling pathways. 2001 , 60, 45-60	64
1063	Structural and functional dissection of the cytoplasmic domain of the transmembrane adaptor protein SIT (SHP2-interacting transmembrane adaptor protein). 2001 , 31, 1825-36	37
1062	VEGF receptor signal transduction. 2001 , 2001, re21	259
1061	Analysis of the phosphorylation status of Epstein-Barr virus LMP2A in epithelial cells. 2001 , 291, 208-14	15
1060	Phosphatidylinositol 3' kinase signaling in mammary tumorigenesis. 2001 , 6, 83-99	31
1059	Implications of SH3 domain structure and dynamics for protein regulation and drug design. 2001 , 35, 127-40	32
1058	T cell signal transduction and the role of CD7 in costimulation. 2001 , 24, 31-52	41
1057	A single autophosphorylation site on KDR/Flk-1 is essential for VEGF-A-dependent activation of PLC-gamma and DNA synthesis in vascular endothelial cells. 2001 , 20, 2768-78	542
1056	Src transduces erythropoietin-induced differentiation signals through phosphatidylinositol 3-kinase. 2001 , 20, 5666-77	48
1055	Dok-R plays a pivotal role in angiopoietin-1-dependent cell migration through recruitment and activation of Pak. 2001 , 20, 5919-28	78
1054	Two mechanisms activate PTPalpha during mitosis. 2001 , 20, 6037-49	55
1053	Characterizing Class I WW domains defines key specificity determinants and generates mutant domains with novel specificities. 2001 , 8, 231-41	85
1052	Tyrosine phosphorylation of the linker for activator of T cells in mast cells by stimulation with the high affinity IgE receptor. 2001 , 75, 123-9	19
1051	A point mutation in CD28 distinguishes proliferative signals from survival signals. 2001 , 2, 325-32	177
1050	A motif-based profile scanning approach for genome-wide prediction of signaling pathways. 2001 , 19, 348-53	479
1049	Determination of protease cleavage site motifs using mixture-based oriented peptide libraries. 2001 , 19, 661-7	459

1048	Enteropathogenic E. coli Tir binds Nck to initiate actin pedestal formation in host cells. 2001 , 3, 856-9	304
1047	Role of Gab proteins in phosphatidylinositol 3-kinase activation by thrombopoietin (Tpo). 2001 , 20, 2197-204	36
1046	Multiple signaling interactions of Abl and Arg kinases with the EphB2 receptor. 2001 , 20, 3995-4006	72
1045	Crk family adaptors-signalling complex formation and biological roles. 2001 , 20, 6348-71	405
1044	Cortactin: coupling membrane dynamics to cortical actin assembly. 2001 , 20, 6418-34	350
1043	The actin filament-associated protein AFAP-110 is an adaptor protein that modulates changes in actin filament integrity. 2001 , 20, 6435-47	57
1042	Paxillin: a focal adhesion-associated adaptor protein. 2001 , 20, 6459-72	429
1041	Cbl: many adaptations to regulate protein tyrosine kinases. 2001 , 2, 294-307	520
1040	Tyrosine-phosphorylated SOCS-3 inhibits STAT activation but binds to p120 RasGAP and activates Ras. 2001 , 3, 460-5	173
1039	A model of activation of the protein tyrosine phosphatase SHP-2 by the human leptin receptor. 2001 , 1545, 20-9	8
1038	Transient tyrosine phosphorylation of human ryanodine receptor upon T cell stimulation. 2001 , 276, 34722-7	22
1037	T cell activation induces direct binding of the Crk adapter protein to the regulatory subunit of phosphatidylinositol 3-kinase (p85) via a complex mechanism involving the Cbl protein. 2001 , 276, 36174-82	32
1036	Identification of reelin-induced sites of tyrosyl phosphorylation on disabled 1. 2001 , 276, 16008-14	109
1035	Signal transduction by human-restricted Fc gamma RIIa involves three distinct cytoplasmic kinase families leading to phagocytosis. 2001 , 167, 844-54	51
1034	TEL-JAK2 mediates constitutive activation of the phosphatidylinositol 3'-kinase/protein kinase B signaling pathway. 2001 , 276, 32704-13	50
1033	Regulation of NK cell-mediated cytotoxicity by the adaptor protein 3BP2. 2001 , 166, 7219-28	54
1032	A nuclear SH3 domain-binding protein that colocalizes with mRNA splicing factors and intermediate filament-containing perinuclear networks. 2001 , 276, 30552-60	19
1031	Signaling through a novel domain of gp130 mediates cell proliferation and activation of Hck and Erk kinases. 2001 , 21, 8068-81	47

1030	The <i>Caenorhabditis elegans</i> EGL-15 signaling pathway implicates a DOS-like multisubstrate adaptor protein in fibroblast growth factor signal transduction. 2001 , 21, 8104-16	47
1029	Intracellular distribution of lysosomal sialidase is controlled by the internalization signal in its cytoplasmic tail. 2001 , 276, 46172-81	79
1028	Src homology 2-containing inositol 5-phosphatase 1 binds to the multifunctional docking site of c-Met and potentiates hepatocyte growth factor-induced branching tubulogenesis. 2001 , 276, 3017-23	36
1027	The Gab1 docking protein links the b cell antigen receptor to the phosphatidylinositol 3-kinase/Akt signaling pathway and to the SHP2 tyrosine phosphatase. 2001 , 276, 12257-65	47
1026	Epstein-Barr virus latent membrane protein 2A (LMP2A) employs the SLP-65 signaling module. 2001 , 194, 255-64	50
1025	In vivo tyrosine phosphorylation sites of activated ephrin-B1 and ephB2 from neural tissue. 2001 , 276, 38940-8	65
1024	Molecular rulers: an assessment of distance and spatial relationships of Src tyrosine kinase Sh2 and active site regions. 2001 , 276, 9446-51	19
1023	Identification of tyrosine residues in vascular endothelial growth factor receptor-2/FLK-1 involved in activation of phosphatidylinositol 3-kinase and cell proliferation. 2001 , 276, 17686-92	138
1022	VCAM-1 activates phosphatidylinositol 3-kinase and induces p120Cbl phosphorylation in human airway smooth muscle cells. 2001 , 166, 155-61	38
1021	PRAM-1 is a novel adaptor protein regulated by retinoic acid (RA) and promyelocytic leukemia (PML)-RA receptor alpha in acute promyelocytic leukemia cells. 2001 , 276, 22375-81	38
1020	A redundant role of the CD3 gamma-immunoreceptor tyrosine-based activation motif in mature T cell function. 2001 , 166, 2576-88	31
1019	Temperature-sensitive transformation by an Abelson virus mutant encoding an altered SH2 domain. 2001 , 75, 1816-23	16
1018	NCK and PAK participate in the signaling pathway by which vascular endothelial growth factor stimulates the assembly of focal adhesions. 2001 , 276, 22748-55	47
1017	Domain-dependent function of the rasGAP-binding protein p62Dok in cell signaling. 2001 , 276, 2459-65	63
1016	Identification of tyrosine phosphorylation sites on 3-phosphoinositide-dependent protein kinase-1 and their role in regulating kinase activity. 2001 , 276, 37459-71	95
1015	Profiling the global tyrosine phosphorylation state by Src homology 2 domain binding. 2001 , 98, 13531-6	57
1014	Netrin stimulates tyrosine phosphorylation of the UNC-5 family of netrin receptors and induces Shp2 binding to the RCM cytodomain. 2001 , 276, 40917-25	54
1013	From consensus sequence peptide to high affinity ligand, a "library scan" strategy. 2001 , 276, 12235-40	17

1012	Human cytomegalovirus up-regulates the phosphatidylinositol 3-kinase (PI3-K) pathway: inhibition of PI3-K activity inhibits viral replication and virus-induced signaling. 2001 , 75, 6022-32	193
1011	Phosphatidylinositol 3,4,5-trisphosphate directs association of Src homology 2-containing signaling proteins with gelsolin. 2001 , 276, 47434-44	85
1010	Processive phosphorylation of p130Cas by Src depends on SH3-polyproline interactions. 2001 , 276, 28190-6	96
1009	Biochemical hematology of platelets and leukocytes. 2001 , 36, 235-66	1
1008	The c-Src tyrosine kinase regulates signaling of the human DF3/MUC1 carcinoma-associated antigen with GSK3 beta and beta-catenin. 2001 , 276, 6061-4	183
1007	Interference with immunoglobulin (Ig)alpha immunoreceptor tyrosine-based activation motif (ITAM) phosphorylation modulates or blocks B cell development, depending on the availability of an Igbeta cytoplasmic tail. 2001 , 194, 455-69	105
1006	Analysis of transforming activity of human synovial sarcoma-associated chimeric protein SYT-SSX1 bound to chromatin remodeling factor hBRM/hSNF2 alpha. 2001 , 98, 3843-8	148
1005	Novel role of phosphatidylinositol 3-kinase in CD28-mediated costimulation. 2001 , 276, 9003-8	41
1004	The interaction of Src and RACK1 is enhanced by activation of protein kinase C and tyrosine phosphorylation of RACK1. 2001 , 276, 20346-56	143
1003	B cell development is arrested at the immature B cell stage in mice carrying a mutation in the cytoplasmic domain of immunoglobulin beta. 2001 , 193, 13-23	94
1002	Identification of the mechanisms regulating the differential activation of the mapk cascade by epidermal growth factor and nerve growth factor in PC12 cells. 2001 , 276, 18169-77	293
1001	Btk and BLNK in B cell development. 2001 , 77, 123-62	14
1000	The insulin-like growth factor I receptor-induced interaction of insulin receptor substrate-4 and Crk-II. 2001 , 142, 1835-40	13
999	Growth Factors and their Receptors in Cancer Metastasis. 2001 ,	
998	The effects of the Epstein-Barr virus latent membrane protein 2A on B cell function. 2001 , 20, 805-35	39
997	The kinase-null EphB6 receptor undergoes transphosphorylation in a complex with EphB1. 2002 , 277, 3823-8	81
996	A novel Src homology 2 domain-containing molecule, Src-like adapter protein-2 (SLAP-2), which negatively regulates T cell receptor signaling. 2002 , 277, 19131-8	29
995	Differential regulation of cell migration, actin stress fiber organization, and cell transformation by functional domains of Crk-associated substrate. 2002 , 277, 27265-72	59

994	Association of Bcr-Abl with the proto-oncogene Vav is implicated in activation of the Rac-1 pathway. 2002 , 277, 12437-45	43
993	SKAP55 recruits to lipid rafts and positively mediates the MAPK pathway upon T cell receptor activation. 2002 , 277, 40420-7	23
992	Regulation of the tyrosine kinase Itk by the peptidyl-prolyl isomerase cyclophilin A. 2002 , 99, 1899-904	227
991	'Srcasm: a novel Src activating and signaling molecule. 2002 , 277, 2812-22	38
990	Contributions of the T cell receptor-associated CD3gamma-ITAM to thymocyte selection. 2002 , 196, 1-13	37
989	Specificity and affinity motifs for Grb2 SH2-ligand interactions. 2002 , 99, 8524-9	54
988	Defective thymocyte maturation by transgenic expression of a truncated form of the T lymphocyte adapter molecule and Fyn substrate, Sin. 2002 , 169, 6900-9	10
987	Interdomain interaction of Stat3 regulates its Src homology 2 domain-mediated receptor binding activity. 2002 , 277, 17556-63	23
986	Phosphatidylinositol 3-kinase p85 adaptor function in T-cells. Co-stimulation and regulation of cytokine transcription independent of associated p110. 2002 , 277, 912-21	32
985	Insulin receptor substrate and p55 orthologous adaptor proteins function in the Caenorhabditis elegans daf-2/insulin-like signaling pathway. 2002 , 277, 49591-7	86
984	The direct recruitment of BLNK to immunoglobulin alpha couples the B-cell antigen receptor to distal signaling pathways. 2002 , 22, 2524-35	109
983	c-Src-mediated phosphorylation of hnRNP K drives translational activation of specifically silenced mRNAs. 2002 , 22, 4535-43	187
982	G-CSF: function and modes of action (Review). 2002 , 10, 3	7
981	Increased insulin sensitivity in mice lacking p85beta subunit of phosphoinositide 3-kinase. 2002 , 99, 419-24	209
980	Cyclization strategies in peptide derived drug design. 2002 , 2, 325-41	99
979	Expression of a mutated form of the p85alpha regulatory subunit of phosphatidylinositol 3-kinase in a Hodgkin's lymphoma-derived cell line (CO). 2002 , 16, 894-901	82
978	SRC homology-2 inhibitors: peptidomimetic and nonpeptide. 2002 , 2, 475-88	46
977	Molecular balance between the regulatory and catalytic subunits of phosphoinositide 3-kinase regulates cell signaling and survival. 2002 , 22, 965-77	230

976	Identification of both positive and negative domains within the epidermal growth factor receptor COOH-terminal region for signal transducer and activator of transcription (STAT) activation. 2002 , 277, 30716-23	90
975	Inhibition of Src family kinases blocks epidermal growth factor (EGF)-induced activation of Akt, phosphorylation of c-Cbl, and ubiquitination of the EGF receptor. 2002 , 277, 24967-75	95
974	Molecular recognition by SH2 domains. 2002 , 61, 161-210	87
973	Functional analysis of discoidin domain receptor 1: effect of adhesion on DDR1 phosphorylation. 2002 , 16, 234-6	46
972	Csk homologous kinase (CHK) and ErbB-2 interactions are directly coupled with CHK negative growth regulatory function in breast cancer. 2002 , 277, 36465-70	18
971	Definition of an inhibitory juxtamembrane WW-like domain in the platelet-derived growth factor beta receptor. 2002 , 277, 38627-34	44
970	The differentiation of skeletal muscle cells involves a protein-tyrosine phosphatase-alpha-mediated C-Src signaling pathway. 2002 , 277, 46687-95	26
969	Mitotic activation of protein-tyrosine phosphatase alpha and regulation of its Src-mediated transforming activity by its sites of protein kinase C phosphorylation. 2002 , 277, 21922-9	53
968	The presence of a single tyrosine residue at the carboxyl domain of vascular endothelial growth factor receptor-2/FLK-1 regulates its autophosphorylation and activation of signaling molecules. 2002 , 277, 27081-7	41
967	The Shb adaptor protein binds to tyrosine 766 in the FGFR-1 and regulates the Ras/MEK/MAPK pathway via FRS2 phosphorylation in endothelial cells. 2002 , 13, 2881-93	75
966	Structure of a regulatory complex involving the Abl SH3 domain, the Crk SH2 domain, and a Crk-derived phosphopeptide. 2002 , 99, 14053-8	63
965	Primary brain tumours in adults. 2002 , 1431-1447	3
964	Designs for the self-assembly of open and closed macromolecular structures and a molecular switch using DNA methyltransferases to order proteins on nucleic acid scaffolds. 2002 , 13, 413-419	5
963	Probing Src homology 2 domain ligand interactions by differential line broadening. 2002 , 41, 11658-69	18
962	Rapid detection of protein tyrosine kinase activity in recombinant yeast expressing a universal substrate. 2002 , 1, 207-9	5
961	SAR and X-ray. A new approach combining fragment-based screening and rational drug design: application to the discovery of nanomolar inhibitors of Src SH2. 2002 , 45, 2379-87	108
960	SH2 domains from suppressor of cytokine signaling-3 and protein tyrosine phosphatase SHP-2 have similar binding specificities. 2002 , 41, 9229-36	101
959	"Meshed-Bag Gathered-Bunch" method for solid-phase synthesis of small molecular diverse compounds. 2002 , 4, 131-7	7

958	Dissection of the energetic coupling across the Src SH2 domain-tyrosyl phosphopeptide interface. 2002 , 316, 291-304	19
957	Two phosphorylation-independent sites on the p85 SH2 domains bind A-Raf kinase. 2002 , 290, 1267-74	10
956	Phosphorylation of the N-terminal and C-terminal CD3-epsilon-ITAM tyrosines is differentially regulated in T cells. 2002 , 291, 574-81	7
955	Role of Cbl in shear-activation of PI 3-kinase and JNK in endothelial cells. 2002 , 292, 892-9	23
954	Role of PTPase(s) in regulating Fyn kinase at fertilization of the zebrafish egg. 2002 , 247, 286-94	25
953	The endothelial receptor tyrosine kinase Tie1 activates phosphatidylinositol 3-kinase and Akt to inhibit apoptosis. 2002 , 22, 1704-13	72
952	The Abl family kinases: mechanisms of regulation and signaling. 2002 , 85, 51-100	206
951	SPAP2, an Ig family receptor containing both ITIMs and ITAMs. 2002 , 293, 1037-46	25
950	Inhibitory effect of peroxisome proliferator-activated receptor-gamma ligands on the expression of IgE heavy chain germline transcripts in the human B cell line DND39. 2002 , 295, 547-52	15
949	High-affinity Src-SH2 ligands which do not activate Tyr(527)-phosphorylated Src in an experimental in vivo system. 2002 , 298, 185-92	10
948	Interaction domains: from simple binding events to complex cellular behavior. 2002 , 513, 2-10	107
947	The gift of Gab. 2002 , 515, 1-7	158
946	Dephosphorylation of the inhibitory phosphorylation site S287 in Xenopus Cdc25C by protein phosphatase-2A is inhibited by 14-3-3 binding. 2002 , 528, 267-71	18
945	SH3 domain-mediated binding of the Drk protein to Dos is an important step in signaling of Drosophila receptor tyrosine kinases. 2002 , 116, 129-39	17
944	Lipid rafts unite signaling cascades with clathrin to regulate BCR internalization. 2002 , 17, 451-62	190
943	An allelic series at the PDGFalphaR locus indicates unequal contributions of distinct signaling pathways during development. 2002 , 2, 103-13	150
942	Sustained activation of N-WASP through phosphorylation is essential for neurite extension. 2002 , 3, 645-58	140
941	Molecular cloning, expression and partial characterization of Xksy, Xenopus member of the Sky family of receptor tyrosine kinases. 2002 , 288, 29-40	1

940	SHP-2 tyrosine phosphatase as an intracellular target of Helicobacter pylori CagA protein. 2002 , 295, 683-6	821
939	Cyclin-dependent kinase 5 phosphorylates disabled 1 independently of Reelin signaling. 2002 , 22, 4869-77	93
938	Protein tyrosine phosphorylation in T cell signaling. 2002 , 7, d918-69	58
937	Protein tyrosine phosphatases. 2002 , 7, d85-142	32
936	Characterization of Inter-Domain Orientations in Solution Using the NMR Relaxation Approach. 2002 , 53-77	4
935	Protein tyrosine phosphorylation in T cell signaling. 2002 , 7, d918	32
934	Protein tyrosine phosphatases. 2002 , 7, d85	26
933	Designing bisubstrate analog inhibitors for protein kinases. 2002 , 93, 145-57	74
932	From consensus sequence to high-affinity ligands: acquisition of signaling protein modulators. 2002 , 93, 179-91	2
931	Inhibition of host kinase activity altered by the LMP2A signalosome-a therapeutic target for Epstein-Barr virus latency and associated disease. 2002 , 56, 219-31	9
930	PKC-regulated myogenesis is associated with increased tyrosine phosphorylation of FAK, Cas, and paxillin, formation of Cas-CRK complex, and JNK activation. 2002 , 70, 257-71	28
929	Grb2 and Nck act cooperatively to promote actin-based motility of vaccinia virus. 2002 , 12, 740-5	125
928	Molecular interactions of SHP1 and SHP2 in IL-3-signalling. 2002 , 14, 219-29	30
927	Regulation of phospholipase C-gamma 2 via phosphatidylinositol 3-kinase in macrophages. 2002 , 14, 169-73	19
926	The Nck family of adapter proteins: regulators of actin cytoskeleton. 2002 , 14, 723-31	197
925	Phosphatidylinositol 3-kinase regulates glycosylphosphatidylinositol hydrolysis through PLC-gamma(2) activation in erythropoietin-stimulated cells. 2002 , 14, 869-78	27
924	Melanoma development and pigment cell transformation in xiphophorus. 2002 , 58, 456-63	25
923	The innate immune response to tumors and its role in the induction of T-cell immunity. 2002 , 188, 9-21	168

922	Structure-based design of peptidomimetic antagonists of p56(lck) SH2 domain. 2002 , 12, 1365-9	6
921	Polymer-supported reagents for methylphosphorylation and phosphorylation of carbohydrates. 2002 , 12, 1863-6	19
920	Fourier transform-ion cyclotron resonance mass spectrometric resolution, identification, and screening of non-covalent complexes of Hck Src homology 2 domain receptor and ligands from a 324-member peptide combinatorial library. 2002 , 13, 1162-9	53
919	Focal adhesion kinase tyrosine phosphorylation is associated with myogenesis and modulated by insulin. 2002 , 35, 131-42	26
918	Src kinase becomes preferentially associated with the VEGFR, KDR/Flk-1, following VEGF stimulation of vascular endothelial cells. 2002 , 3, 32	80
917	A new high affinity binding site for suppressor of cytokine signaling-3 on the erythropoietin receptor. 2002 , 269, 2516-26	66
916	Use of signal specific receptor tyrosine kinase oncoproteins reveals that pathways downstream from Grb2 or Shc are sufficient for cell transformation and metastasis. 2002 , 21, 1800-11	53
915	Metastatic Lymph Node 51, a novel nucleo-cytoplasmic protein overexpressed in breast cancer. 2002 , 21, 4422-34	31
914	Negative regulation of urokinase-type plasminogen activator production through FGF-2-mediated activation of phosphoinositide 3-kinase. 2002 , 21, 7027-33	18
913	Sck is expressed in endothelial cells and participates in vascular endothelial growth factor-induced signaling. 2002 , 21, 6307-16	17
912	Fluorescent indicators for imaging protein phosphorylation in single living cells. 2002 , 20, 287-94	247
911	Phosphotyrosine-binding domains in signal transduction. 2002 , 3, 177-86	287
910	Design and characterization of non-phosphopeptide inhibitors for Src family SH2 domains. 2002 , 12, 2711-4	8
909	BANK regulates BCR-induced calcium mobilization by promoting tyrosine phosphorylation of IP(3) receptor. 2002 , 21, 83-92	139
908	A "three-pronged" binding mechanism for the SAP/SH2D1A SH2 domain: structural basis and relevance to the XLP syndrome. 2002 , 21, 314-23	73
907	Involvement of crk adapter proteins in regulation of lymphoid cell functions. 2003 , 28, 79-91	12
906	Light regulation of the insulin receptor in the retina. 2003 , 28, 123-38	13
905	IL-6 signal transduction and its physiological roles: the signal orchestration model. 2003 , 149, 1-38	363

904	Fps/Fes and Fer protein-tyrosinekinases play redundant roles in regulating hematopoiesis. 2003 , 31, 673-81	23
903	L-type voltage-gated calcium channel attends regulation of tyrosine phosphorylation of NMDA receptor subunit 2A induced by transient brain ischemia. 2003 , 972, 142-8	19
902	On the mechanism coupling phospholipase Cgamma1 to the B- and T-cell antigen receptors. 2003 , 43, 245-69	12
901	Breast cancer cell line proliferation blocked by the Src-related Rak tyrosine kinase. 2003 , 104, 139-46	30
900	Rosmarinic acid inhibits TCR-induced T cell activation and proliferation in an Lck-dependent manner. 2003 , 33, 870-9	54
899	Exploring protein-protein interactions with phage display. 2003 , 4, 14-25	135
898	Grb2 SH2 domain-binding peptide analogs as potential anticancer agents. 2003 , 71, 132-40	13
897	Helicobacter pylori CagA--a potential bacterial oncoprotein that functionally mimics the mammalian Gab family of adaptor proteins. 2003 , 5, 143-50	78
896	Design and synthesis of small chemical inhibitors containing different scaffolds for lck SH2 domain. 2003 , 13, 3455-9	9
895	Sin: good or bad? A T lymphocyte perspective. 2003 , 192, 181-95	17
894	Peptide libraries: at the crossroads of proteomics and bioinformatics. 2003 , 7, 84-90	44
893	Genome-wide analysis of signaling domain function. 2003 , 7, 103-9	14
892	Investigation of the kinetics and order of tyrosine phosphorylation in the T-cell receptor zeta chain by the protein tyrosine kinase Lck. 2003 , 270, 2369-76	22
891	Improved sensitivity of biomolecular interaction analysis mass spectrometry for the identification of interacting molecules. 2003 , 3, 402-12	55
890	Chronic myelogenous leukemia as a paradigm of early cancer and possible curative strategies. 2003 , 17, 1211-62	83
889	Subtractive immunization using highly metastatic human tumor cells identifies SIMA135/CDGP1, a 135 kDa cell surface phosphorylated glycoprotein antigen. 2003 , 22, 1783-94	103
888	Genetic identification of effectors downstream of Neu (ErbB-2) autophosphorylation sites in a Drosophila model. 2003 , 22, 1916-26	10
887	v-Src induces Shc binding to tyrosine 63 in the cytoplasmic domain of the LDL receptor-related protein 1. 2003 , 22, 3589-97	54

886	TCR ligand discrimination is enforced by competing ERK positive and SHP-1 negative feedback pathways. 2003 , 4, 248-54	378
885	Role of PlGF in the intra- and intermolecular cross talk between the VEGF receptors Flt1 and Flk1. 2003 , 9, 936-43	631
884	Unifying concepts in CD28, ICOS and CTLA4 co-receptor signalling. 2003 , 3, 544-56	291
883	Identification of a high-affinity phosphopeptide inhibitor of Stat3. 2003 , 13, 633-6	118
882	Role of solution conformation and flexibility of short peptide ligands that bind to the p56(lck) SH2 domain. 2003 , 11, 941-9	13
881	Structural basis for dimerization of the Grb10 Src homology 2 domain. Implications for ligand specificity. 2003 , 278, 13257-64	48
880	Phosphopeptide binding specificities of BRCA1 COOH-terminal (BRCT) domains. 2003 , 278, 52914-8	182
879	Concise and enantioselective synthesis of Fmoc-Pmp(But)2-OH and design of potent Pmp-containing Grb2-SH2 domain antagonists. 2003 , 5, 3095-8	15
878	Mapping protein-protein interactions with phage-displayed combinatorial peptide libraries. 2003 , Chapter 17, Unit 17.4	3
877	QSAR analysis of SH2-binding phosphopeptides: using interaction energies and cross-correlation coefficients. 2003 , 43, 1570-5	1
876	Implication of phosphatidylinositol 3-kinase membrane recruitment in hydrogen peroxide-induced activation of PI3K and Akt. 2003 , 42, 2995-3003	82
875	Peptidyl aldehydes as reversible covalent inhibitors of SRC homology 2 domains. 2003 , 42, 5159-67	19
874	Specificity is complex and time consuming: mutual exclusivity in tyrosine kinase-mediated signaling. 2003 , 36, 410-6	25
873	Sequence, structure and energetic determinants of phosphopeptide selectivity of SH2 domains. 2003 , 334, 823-41	41
872	Interleukin-2 receptors and interleukin-2-mediated signaling in myelin: activation of diacylglycerol kinase and phosphatidylinositol 3-kinase. 2003 , 122, 967-73	11
871	The role of leptin receptor signaling in feeding and neuroendocrine function. 2003 , 14, 447-52	175
870	Activation of Src-family PTK activity at fertilization: role of the SH2 domain. 2003 , 264, 255-62	27
869	Phosphotyrosyl mimetics in the development of signal transduction inhibitors. 2003 , 36, 426-33	116

868	Identification of four sites of stimulated tyrosine phosphorylation in the MUC1 cytoplasmic tail. 2003 , 310, 341-6	47
867	Overexpression of Fer increases the association of tyrosine-phosphorylated IRS-1 with P85 phosphatidylinositol kinase via SH2 domain of Fer in transfected cells. 2003 , 311, 780-5	2
866	Tyrosine phosphorylation of the Rab24 GTPase in cultured mammalian cells. 2003 , 312, 670-5	31
865	Characterization of phosphotyrosine binding motifs in the cytoplasmic domain of B and T lymphocyte attenuator required for association with protein tyrosine phosphatases SHP-1 and SHP-2. 2003 , 312, 1236-43	145
864	Structural and thermodynamic basis for the interaction of the Src SH2 domain with the activated form of the PDGF beta-receptor. 2003 , 328, 655-68	24
863	Requirement of autophosphorylated tyrosine 992 of EGF receptor and its docking protein phospholipase C gamma 1 for membrane ruffle formation. 2003 , 536, 71-6	25
862	An investigation of phosphopeptide binding to SH2 domain. 2003 , 306, 225-30	5
861	Identification of Tyr900 in the kinase domain of c-Kit as a Src-dependent phosphorylation site mediating interaction with c-Crk. 2003 , 288, 110-8	37
860	Systemic and primary cutaneous anaplastic large cell lymphomas. 2003 , 40, 244-56	70
859	Identification and characterization of Slitrk, a novel neuronal transmembrane protein family controlling neurite outgrowth. 2003 , 24, 117-29	159
858	Vascular endothelial growth factor. 2003 , 1017-1034	2
857	Assembly of cell regulatory systems through protein interaction domains. 2003 , 300, 445-52	1170
856	Nuclear magnetic resonance structure of the P395S mutant of the N-SH2 domain of the p85 subunit of PI3 kinase: an SH2 domain with altered specificity. 2003 , 42, 11120-7	5
855	Putative phosphatidylinositol 3-kinase (PI3K) binding motifs in ovine betaretrovirus Env proteins are not essential for rodent fibroblast transformation and PI3K/Akt activation. 2003 , 77, 7924-35	58
854	Scansite 2.0: Proteome-wide prediction of cell signaling interactions using short sequence motifs. 2003 , 31, 3635-41	1285
853	Diversity in the SH2 domain family phosphotyrosyl peptide binding site. 2003 , 16, 217-27	19
852	EphB1 recruits c-Src and p52Shc to activate MAPK/ERK and promote chemotaxis. 2003 , 162, 661-71	89
851	A tyrosine-based sorting signal is involved in connexin43 stability and gap junction turnover. <i>Journal of Cell Science</i> , 2003 , 116, 2213-22	5-3 72

850	LIME, a novel transmembrane adaptor protein, associates with p56lck and mediates T cell activation. 2003 , 198, 1463-73	77
849	Profiling the global tyrosine phosphorylation state. 2003 , 2, 215-33	66
848	Membrane translocation of protein kinase Ctheta during T lymphocyte activation requires phospholipase C-gamma-generated diacylglycerol. 2003 , 278, 29208-15	30
847	A new class of mutations reveals a novel function for the original phosphatidylinositol 3-kinase binding site. 2003 , 100, 9434-9	7
846	Identification of UNC119 as a novel activator of SRC-type tyrosine kinases. 2003 , 278, 8837-45	50
845	Epidermal growth factor-induced DNA synthesis. Key role for Src phosphorylation of the docking protein Gab2. 2003 , 278, 5837-44	34
844	Attenuation of Helicobacter pylori CagA x SHP-2 signaling by interaction between CagA and C-terminal Src kinase. 2003 , 278, 3664-70	238
843	Two new substrates in insulin signaling, IRS5/DOK4 and IRS6/DOK5. 2003 , 278, 25323-30	133
842	Dok-R binds c-Abl and regulates Abl kinase activity and mediates cytoskeletal reorganization. 2003 , 278, 30170-9	26
841	Signaling initiated by overexpression of the fibroblast growth factor receptor-1 investigated by mass spectrometry. 2003 , 2, 29-36	67
840	SH2 and PTB domains in tyrosine kinase signaling. 2003 , 2003, RE12	189
839	The murine Nck SH2/SH3 adaptors are important for the development of mesoderm-derived embryonic structures and for regulating the cellular actin network. 2003 , 23, 4586-97	147
838	Cortactin tyrosine phosphorylation requires Rac1 activity and association with the cortical actin cytoskeleton. 2003 , 14, 3216-29	153
837	Characterization of phosphopeptide motifs specific for the Src homology 2 domains of signal transducer and activator of transcription 1 (STAT1) and STAT3. 2003 , 278, 16117-28	49
836	Cytokine Protocols. 2003 ,	0
835	Analysis of SH2 ligands and identification of sites of interaction. 2004 , 249, 111-20	1
834	Manipulation of EphB2 regulatory motifs and SH2 binding sites switches MAPK signaling and biological activity. 2003 , 278, 6111-9	60
833	Grb2-independent recruitment of Gab1 requires the C-terminal lobe and structural integrity of the Met receptor kinase domain. 2003 , 278, 30083-90	40

832	Regulation of F-actin-dependent processes by the Abl family of tyrosine kinases. <i>Journal of Cell Science</i> , 2003 , 116, 2613-26	5-3	185
831	YXXL motifs in SH2-Bbeta are phosphorylated by JAK2, JAK1, and platelet-derived growth factor receptor and are required for membrane ruffling. 2003 , 278, 11970-8		27
830	p130Cas Couples the tyrosine kinase Bmx/Etk with regulation of the actin cytoskeleton and cell migration. 2003 , 278, 35636-43		53
829	Tyrphostin A23 inhibits internalization of the transferrin receptor by perturbing the interaction between tyrosine motifs and the medium chain subunit of the AP-2 adaptor complex. 2003 , 278, 12022-8		106
828	Structural basis for the specificity of bipartite nuclear localization sequence binding by importin-alpha. 2003 , 278, 27981-7		150
827	A Ras activation pathway dependent on Syk phosphorylation of protein kinase C. 2003 , 100, 9470-5		62
826	Phosphoinositide 3-kinase activates Rac by entering in a complex with Eps8, Abi1, and Sos-1. 2003 , 160, 17-23		205
825	Protein tyrosine phosphorylation and protein tyrosine nitration in redox signaling. 2008 , 10, 843-89		129
824	Cyclic peptidyl inhibitors of Grb2 and tensin SH2 domains identified from combinatorial libraries. 2008 , 10, 247-55		31
823	Synthesis and screening of support-bound combinatorial peptide libraries with free C-termini: determination of the sequence specificity of PDZ domains. 2008 , 47, 3061-72		18
822	Selectivity and mechanism of action of a growth factor receptor-bound protein 2 SRC homology 2 domain binding antagonist. 2008 , 51, 7459-68		9
821	Novel binding site for Src homology 2-containing protein-tyrosine phosphatase-1 in CD22 activated by B lymphocyte stimulation with antigen. 2008 , 283, 1653-1659		10
820	Epstein-Barr virus latent membrane protein 2A preferentially signals through the Src family kinase Lyn. 2008 , 82, 8520-8		29
819	Reelin Glycoprotein. 2008 ,		6
818	Computational models of tandem SRC homology 2 domain interactions and application to phosphoinositide 3-kinase. 2008 , 283, 7338-45		17
817	Structure and function of the phosphothreonine-specific FHA domain. 2008 , 1, re12		106
816	Adaptive Locality-Effective Kernel Machine for protein phosphorylation site prediction. 2008 ,		
815	Phosphorylated YDXV motifs and Nck SH2/SH3 adaptors act cooperatively to induce actin reorganization. 2008 , 28, 2035-46		82

814	Gab2 is involved in differential phosphoinositide 3-kinase signaling by two splice forms of c-Kit. 2008 , 283, 27444-27451	42
813	Substrate discrimination among mitogen-activated protein kinases through distinct docking sequence motifs. 2008 , 283, 19511-20	115
812	T cell Ig and mucin domain-1-mediated T cell activation requires recruitment and activation of phosphoinositide 3-kinase. 2008 , 180, 6518-26	52
811	Insulin-like growth factor-I stimulates Shc-dependent phosphatidylinositol 3-kinase activation via Grb2-associated p85 in vascular smooth muscle cells. 2008 , 283, 16320-31	52
810	Avian and 1918 Spanish influenza A virus NS1 proteins bind to Crk/CrkL Src homology 3 domains to activate host cell signaling. 2008 , 283, 5719-27	75
809	Prediction of phosphotyrosine signaling networks using a scoring matrix-assisted ligand identification approach. 2008 , 36, 3263-73	43
808	Inflammation and autoimmunity caused by a SHP1 mutation depend on IL-1, MyD88, and a microbial trigger. 2008 , 105, 15028-33	101
807	Lower phosphoinositide 3-kinase (PI 3-kinase) activity and differential expression levels of selective catalytic and regulatory PI 3-kinase subunit isoforms in prefrontal cortex and hippocampus of suicide subjects. 2008 , 33, 2324-40	30
806	Genome-wide prediction of SH2 domain targets using structural information and the FoldX algorithm. 2008 , 4, e1000052	35
805	Chlamydial entry involves TARP binding of guanine nucleotide exchange factors. 2008 , 4, e1000014	111
804	Defining the specificity space of the human SRC homology 2 domain. 2008 , 7, 768-84	164
803	Diverse driving forces underlie the invariant occurrence of the T42A, E139D, I282V and T468M SHP2 amino acid substitutions causing Noonan and LEOPARD syndromes. 2008 , 17, 2018-29	62
802	The c-Abl tyrosine kinase regulates actin remodeling at the immune synapse. 2008 , 112, 111-9	61
801	Proteomics: present and future implications in neuro-oncology. 2008 , 62, 539-55; discussion 539-55	12
800	Signal Transduction by Growth Factor Receptors. 2008 , 155-168	
799	Molecular mechanism for SHP2 in promoting HER2-induced signaling and transformation. 2009 , 284, 12226-34	44
798	Molecular mechanisms underlying the activation of mammalian primordial follicles. 2009 , 30, 438-64	276
797	An adaptor role for cytoplasmic Sam68 in modulating Src activity during cell polarization. 2009 , 29, 1933-43	37

796	New activation modus of STAT3: a tyrosine-less region of the interleukin-22 receptor recruits STAT3 by interacting with its coiled-coil domain. 2009 , 284, 26377-84	53
795	Genetically encoded Förster resonance energy transfer sensors for the conformation of the Src family kinase Lck. 2009 , 182, 2160-7	50
794	Nck adaptor proteins link Tks5 to invadopodia actin regulation and ECM degradation. <i>Journal of Cell Science</i> , 2009 , 122, 2727-40	5:3 110
793	Physiological signaling specificity by protein tyrosine phosphatases. 2009 , 24, 281-9	44
792	Structural and functional basis of a role for CRKL in a fibroblast growth factor 8-induced feed-forward loop. 2009 , 29, 3076-87	28
791	Herpes simplex virus requires VP11/12 to induce phosphorylation of the activation loop tyrosine (Y394) of the Src family kinase Lck in T lymphocytes. 2009 , 83, 12452-61	18
790	Linear combinations of docking affinities explain quantitative differences in RTK signaling. 2009 , 5, 235	47
789	Semaphorin 4D signaling requires the recruitment of phospholipase C gamma into the plexin-B1 receptor complex. 2009 , 29, 6321-34	26
788	Spatiotemporal patterning during T cell activation is highly diverse. 2009 , 2, ra15	68
787	Using genome-wide measurements for computational prediction of SH2-peptide interactions. 2009 , 37, 4629-41	17
786	The phosphotyrosine interactome of the insulin receptor family and its substrates IRS-1 and IRS-2. 2009 , 8, 519-34	103
785	Dephosphorylation of the C-terminal tyrosyl residue of the DNA damage-related histone H2A.X is mediated by the protein phosphatase eyes absent. 2009 , 284, 16066-16070	106
784	Lessons in signaling and tumorigenesis from polyomavirus middle T antigen. 2009 , 73, 542-63, Table of Contents	110
783	Dual functions of Dab1 during brain development. 2009 , 29, 324-32	45
782	The promise of well-being: stay in shape with N(i)ck. 2009 , 20, 1425-7	5
781	SH2 domains: modulators of nonreceptor tyrosine kinase activity. 2009 , 19, 643-9	82
780	Out of the box binding determines specificity of SH2 domain interaction. 2009 , 17, 1040-1	2
779	Brain-derived neurotrophic factor modulation of Kv1.3 channel is disregulated by adaptor proteins Grb10 and nShc. 2009 , 10, 8	25

778	Substrate phosphorylation capacities of the major tyrosine protein kinase from the human promyelocytic cell line, HL-60. 1994 , 43, 496-504	8
777	Lessons from polyoma middle T antigen on signaling and transformation: A DNA tumor virus contribution to the war on cancer. 2009 , 384, 304-16	37
776	Generation and characterization of JSRV envelope transgenic mice in FVB background. 2009 , 393, 120-6	11
775	Binding specificity of SH2 domains: insight from free energy simulations. 2009 , 74, 996-1007	42
774	Proteomic, functional and motif-based analysis of C-terminal Src kinase-interacting proteins. 2009 , 9, 4944-61	18
773	Targeting PI3K signalling in cancer: opportunities, challenges and limitations. 2009 , 9, 550-62	1915
772	TRF2 functions as a protein hub and regulates telomere maintenance by recognizing specific peptide motifs. 2009 , 16, 372-9	100
771	Regulation of T-lymphocyte physiology by the Chat-H/CasL adapter complex. 2009 , 232, 160-74	7
770	Common and differential recognition of structural features in synthetic peptides by the catalytic domain and the Src-homology 2 (SH2) domain of pp60c-src. 1997 , 50, 365-71	15
769	Regulation of process retraction and cell migration by EphA3 is mediated by the adaptor protein Nck1. 2009 , 48, 6369-78	24
768	Quenched ligand-directed tosylate reagents for one-step construction of turn-on fluorescent biosensors. 2009 , 131, 9046-54	69
767	The selectivity of receptor tyrosine kinase signaling is controlled by a secondary SH2 domain binding site. <i>Cell</i> , 2009 , 138, 514-24	56.2 121
766	Host cell interactome of tyrosine-phosphorylated bacterial proteins. 2009 , 5, 397-403	149
765	Expression and purification of 15N-labeled 2-SH2 protein domain of SHP-2 from Homo sapiens in Escherichia coli for NMR studies and applications. 2009 , 45, 1-7	
764	Identification of N-terminal lobe motifs that determine the kinase activity of the catalytic domains and regulatory strategies of Src and Csk protein tyrosine kinases. 2009 , 386, 1066-77	17
763	SRC-induced disassembly of adherens junctions requires localized phosphorylation and degradation of the rac activator tiam1. 2009 , 33, 639-53	74
762	Cloning and characterization of SCART1, a novel scavenger receptor cysteine-rich type I transmembrane molecule. 2009 , 46, 1663-72	13
761	Phosphorylation of IRS proteins Yin-Yang regulation of insulin signaling. 2009 , 80, 351-87	42

760	Phospho-Proteomics. 2009 ,	2
759	A CD317/tetherin-RICH2 complex plays a critical role in the organization of the subapical actin cytoskeleton in polarized epithelial cells. 2009 , 184, 721-36	114
758	Synthesis and evaluation of phosphopeptides containing iminodiacetate groups as binding ligands of the Src SH2 domain. 2009 , 37, 133-42	2
757	Molecular disruption of oncogenic signal transducer and activator of transcription 3 (STAT3) protein. 2009 , 87, 825-33	79
756	A Correction to the Review Titled: "Structure and Function of the Phosphothreonine-Specific FHA Domain" by A. Mahajan, C. Yuan, H. Lee, E. S.-W. Chen, P.-Y. Wu, M.-D. Tsai. 2009 , 2, er2-er2	
755	Cytoskeletal protein 4.1R negatively regulates T-cell activation by inhibiting the phosphorylation of LAT. 2009 , 113, 6128-37	34
754	Targeting the SH2 Domain-Containing Inositol Phosphatase (SHIP) for Therapy. 2009 , 5, 153-162	
753	Synthetic strategies to a backbone-side chain cyclic SHP-1 N-SH2 ligand containing N-functionalized alkyl phosphotyrosine. 2010 , 17, 809-16	
752	Regulation of phagocytosis by TAM receptors and their ligands. 2010 , 5, 227-237	20
751	Functional interaction between Env oncogene from Jaagsiekte sheep retrovirus and tumor suppressor Sprouty2. 2010 , 7, 62	5
750	Recruitment of Uev1B to Hrs-containing endosomes and its effect on endosomal trafficking. 2010 , 316, 2136-51	8
749	Visualizing tyrosine kinase activity with bipartite tetracysteine display. 2010 , 11, 2089-91	17
748	Activity-based high-throughput determination of PTPs substrate specificity using a phosphopeptide microarray. 2010 , 94, 810-9	27
747	A quantitative CE method to analyse tau protein isoforms using coated fused silica capillaries. 2010 , 33, 1090-8	12
746	Semisynthetic Src SH2 domains demonstrate altered phosphopeptide specificity induced by incorporation of unnatural lysine derivatives. 2010 , 17, 274-84	16
745	Preparation and crystallization of the Grb7 SH2 domain in complex with the G7-18NATE nonphosphorylated cyclic inhibitor peptide. 2010 , 66, 1640-3	6
744	Tyrosine phosphorylation of R3 subtype receptor-type protein tyrosine phosphatases and their complex formations with Grb2 or Fyn. 2010 , 15, 513-24	22
743	DNA damage stress response in germ cells: role of c-Abl and clinical implications. 2010 , 29, 6193-202	26

742	Quantifying protein-protein interactions in high throughput using protein domain microarrays. 2010 , 5, 773-90	67
741	Cellular Regulatory Networks. 2010 , 57-108	2
740	Themis2/ICB1 is a signaling scaffold that selectively regulates macrophage Toll-like receptor signaling and cytokine production. 2010 , 5, e11465	23
739	Targeting C-type lectin-like molecule-1 for antibody-mediated immunotherapy in acute myeloid leukemia. 2010 , 95, 71-8	78
738	SH2 domains recognize contextual peptide sequence information to determine selectivity. 2010 , 9, 2391-404	87
737	Widespread sequence variation in the Epstein-Barr virus latent membrane protein 2A gene among northern Chinese isolates. 2010 , 91, 2564-73	13
736	Noncanonical tandem SH2 enables interaction of elongation factor Spt6 with RNA polymerase II. 2010 , 285, 38389-98	42
735	Caenorhabditis elegans fibroblast growth factor receptor signaling can occur independently of the multi-substrate adaptor FRS2. 2010 , 185, 537-47	5
734	Activation by tyrosine phosphorylation as a prerequisite for protein kinase C β to mediate epidermal growth factor receptor signaling to ERK. 2010 , 8, 783-97	10
733	The early isoform of disabled-1 functions independently of Reelin-mediated tyrosine phosphorylation in chick retina. 2010 , 30, 4339-53	13
732	Vascular endothelial growth factor receptor 1 contributes to Escherichia coli K1 invasion of human brain microvascular endothelial cells through the phosphatidylinositol 3-kinase/Akt signaling pathway. 2010 , 78, 4809-16	25
731	Progesterone as a regulator of phosphorylation in the central nervous system. 2010 , 4, 601-7	
730	Generating a panel of highly specific antibodies to 20 human SH2 domains by phage display. 2010 , 23, 279-88	46
729	Therapeutic targeting of EGFR in malignant gliomas. 2010 , 14, 303-16	20
728	c-Cbl promotes T cell receptor-induced thymocyte apoptosis by activating the phosphatidylinositol 3-kinase/Akt pathway. 2010 , 285, 10969-81	16
727	Probing the specificity of binding to the major nuclear localization sequence-binding site of importin-alpha using oriented peptide library screening. 2010 , 285, 19935-46	49
726	Potential role of PI3K inhibitors in the treatment of breast cancer. 2010 , 6, 1251-63	7
725	A novel conserved phosphotyrosine motif in the Drosophila fibroblast growth factor signaling adaptor Dof with a redundant role in signal transmission. 2010 , 30, 2017-27	4

724	Phosphoinositide 3-kinase pathway activation in phosphate and tensin homolog (PTEN)-deficient prostate cancer cells is independent of receptor tyrosine kinases and mediated by the p110beta and p110delta catalytic subunits. 2010 , 285, 14980-14989	71
723	CD22 EXON 12 deletion as a pathogenic mechanism of human B-precursor leukemia. 2010 , 107, 16852-7	33
722	An enigmatic tail of CD28 signaling. 2010 , 2, a002436	150
721	Jaagsiekte sheep retrovirus biology and oncogenesis. 2010 , 2, 2618-48	23
720	Gain-of-function c-CBL mutations associated with uniparental disomy of 11q in myeloid neoplasms. 2010 , 9, 1051-6	11
719	Loops govern SH2 domain specificity by controlling access to binding pockets. 2010 , 3, ra34	61
718	Emerging roles for crk in human cancer. 2010 , 1, 1132-9	52
717	The SCHOOL of nature: IV. Learning from viruses. 2010 , 1, 282-298	6
716	The regulation of class IA PI 3-kinases by inter-subunit interactions. 2010 , 346, 87-114	63
715	Recent progress of Src SH2 and SH3 inhibitors as anticancer agents. 2010 , 17, 1117-24	16
714	The SCHOOL of nature: I. Transmembrane signaling. 2010 , 1, 4-39	14
713	The SCHOOL of nature: II. Protein order, disorder and oligomericity in transmembrane signaling. 2010 , 1, 89-102	14
712	The SCHOOL of nature: III. From mechanistic understanding to novel therapies. 2010 , 1, 192-224	8
711	Autophagic pathways as new targets for cancer drug development. 2010 , 31, 1154-64	92
710	Synthesis and evaluation of conformationally constrained peptide analogues as the Src SH3 domain binding ligands. 2010 , 92, 1153-63	12
709	Characterisation and differential expression during development of a duplicate Disabled-1 (Dab1) gene from zebrafish. 2010 , 155, 217-29	4
708	Baculovirus production of fully-active phosphoinositide 3-kinase alpha as a p85alpha-p110alpha fusion for X-ray crystallographic analysis with ATP competitive enzyme inhibitors. 2010 , 73, 167-76	4
707	Modular Protein Interaction Domains in Cellular Communication. 2010 , 399-411	2

706	Edman Degradation. 2010 , 954	0
705	An unnatural amino acid that mimics phosphotyrosine. 2010 , 46, 2980-2	7
704	Rotavirus nonstructural protein 1 suppresses virus-induced cellular apoptosis to facilitate viral growth by activating the cell survival pathways during early stages of infection. 2010 , 84, 6834-45	73
703	De novo motif for kinase mediated signaling across the cell membrane. 2011 , 3, 816-22	2
702	A combinatorial approach to characterize the substrate specificity of protein arginine methyltransferase 1. 2011 , 7, 48-51	21
701	Optimized Potential of Mean Force Calculations for Standard Binding Free Energies. 2011 , 7, 1765-72	33
700	PI 3-kinase regulatory subunits as regulators of the unfolded protein response. 2011 , 490, 147-58	18
699	Simultaneous binding of two peptidyl ligands by a SRC homology 2 domain. 2011 , 50, 7637-46	19
698	Potent and selective phosphopeptide mimetic prodrugs targeted to the Src homology 2 (SH2) domain of signal transducer and activator of transcription 3. 2011 , 54, 3549-63	104
697	Structure of lipid kinase p110 β 85 α elucidates an unusual SH2-domain-mediated inhibitory mechanism. 2011 , 41, 567-78	134
696	Genetic incorporation of a photo-crosslinkable amino acid reveals novel protein complexes with GRB2 in mammalian cells. 2011 , 406, 343-53	40
695	Identification of CrkL-SH3 binding proteins from embryonic murine brain: implications for Reelin signaling during brain development. 2011 , 10, 4453-62	5
694	Targeting Cas Family Proteins as a Novel Treatment for Breast Cancer. 2011 ,	3
693	Identification of Novel Phosphorylation Motifs Through an Integrative Computational and Experimental Analysis of the Human Phosphoproteome. 2011 , 4, 22-35	27
692	Solution structure of tensin2 SH2 domain and its phosphotyrosine-independent interaction with DLC-1. 2011 , 6, e21965	11
691	DomPep--a general method for predicting modular domain-mediated protein-protein interactions. 2011 , 6, e25528	12
690	Disabled-1 alternative splicing in human fetal retina and neural tumors. 2011 , 6, e28579	12
689	Cancer stem cells in hematological disorders: current and possible new therapeutic approaches. 2011 , 12, 217-25	6

688	Exploring Protein-Protein Interactions with Synthetic Peptide Arrays. 2011 , 8, 164-170	1
687	Intrinsic and extrinsic control of peripheral T-cell tolerance by costimulatory molecules of the CD28/ B7 family. 2011 , 241, 180-205	293
686	Structural basis for regulation of the Crk signaling protein by a proline switch. 2011 , 7, 51-7	62
685	Phosphorylation of Crk on tyrosine 251 in the RT loop of the SH3C domain promotes Abl kinase transactivation. 2011 , 30, 4645-55	21
684	Design and synthesis of a potential SH2 domain inhibitor bearing a stereodiversified 1,4-cis-enediol scaffold. 2011 , 67, 10216-10221	7
683	PLC regulation: emerging pictures for molecular mechanisms. 2011 , 36, 88-96	140
682	Evolving specificity from variability for protein interaction domains. 2011 , 36, 183-90	34
681	AFAP1L1 is a novel adaptor protein of the AFAP family that interacts with cortactin and localizes to invadosomes. 2011 , 90, 376-89	30
680	Linker length dependent binding of a focal adhesion kinase derived peptide to the Src SH3-SH2 domains. 2011 , 585, 601-5	6
679	MEMO associated with an ErbB2 receptor phosphopeptide reveals a new phosphotyrosine motif. 2011 , 585, 2688-92	3
678	Understanding SOS (Son of Sevenless). 2011 , 82, 1049-56	50
677	Serine phosphorylation regulates disabled-1 early isoform turnover independently of Reelin. 2011 , 23, 555-65	3
676	Proteomic screening method for phosphopeptide motif binding proteins using peptide libraries. 2011 , 10, 4158-64	14
675	Mapping protein interactions by combining antibody affinity maturation and mass spectrometry. 2011 , 417, 25-35	21
674	Identification of BCAR-1 as a new substrate of Syk tyrosine kinase through a determination of amino acid sequence preferences surrounding the substrate tyrosine residue. 2011 , 135, 151-7	1
673	Recent advances in biosensory and medicinal therapeutic applications of zinc(II) and copper(II) coordination complexes. 2011 , 255, 459-472	114
672	A computational tool for identifying minimotifs in protein-protein interactions and improving the accuracy of minimotif predictions. 2011 , 79, 153-64	9
671	DNA as a Molecular Ruler: Interrogation of a Tandem SH2 Domain with Self-Assembled, Bivalent DNABeptide Complexes. 2011 , 123, 4232-4236	40

670	Cell-Penetrating Homochiral Cyclic Peptides as Nuclear-Targeting Molecular Transporters. 2011 , 123, 9807-9811		13
669	DNA as a molecular ruler: interrogation of a tandem SH2 domain with self-assembled, bivalent DNA-peptide complexes. 2011 , 50, 4146-50		81
668	Cell-penetrating homochiral cyclic peptides as nuclear-targeting molecular transporters. 2011 , 50, 9633-7		128
667	The signaling tool box for tyrosine-based costimulation of lymphocytes. 2011 , 23, 324-9		26
666	Tyrosine phosphorylation of the Gβ-interacting protein GIV promotes activation of phosphoinositide 3-kinase during cell migration. 2011 , 4, ra64		61
665	Energetics of Src homology domain interactions in receptor tyrosine kinase-mediated signaling. 2011 , 488, 147-83		31
664	Inhibition of PI3K binding to activators by serine phosphorylation of PI3K regulatory subunit p85alpha Src homology-2 domains. 2011 , 108, 14157-62		58
663	Phosphatidylinositol 3'-kinase activity is critical for initiating the oxidative burst and bacterial destruction during CEACAM3-mediated phagocytosis. 2011 , 286, 9555-66		22
662	Phosphorylation of CSF-1R Y721 mediates its association with PI3K to regulate macrophage motility and enhancement of tumor cell invasion. <i>Journal of Cell Science</i> , 2011 , 124, 2021-31	5:3	49
661	Dependence on the MUC1-C oncoprotein in non-small cell lung cancer cells. 2011 , 10, 806-16		124
660	Structure and function of Tec family kinase Itk. 2011 , 2, 223-32		2
659	G protein-coupled receptor signaling via Src kinase induces endogenous human transient receptor potential vanilloid type 6 (TRPV6) channel activation. 2011 , 286, 13184-92		34
658	Identification of Fyn as the binding partner for the WASP N-terminal domain in T cells. 2011 , 23, 493-502		15
657	The Cdc42-associated kinase ACK1 is not autoinhibited but requires Src for activation. 2011 , 435, 355-64		19
656	Tensin2 is a novel mediator in thrombopoietin (TPO)-induced cellular proliferation by promoting Akt signaling. 2011 , 10, 1838-44		17
655	The SH2 domain-containing proteins in 21 species establish the provenance and scope of phosphotyrosine signaling in eukaryotes. 2011 , 4, ra83		67
654	NYAP: a phosphoprotein family that links PI3K to WAVE1 signalling in neurons. 2011 , 30, 4739-54		44
653	Sequential phosphorylation of SLP-76 at tyrosine 173 is required for activation of T and mast cells. 2011 , 30, 3160-72		22

652	Targeting Lyn tyrosine kinase through protein fusions encompassing motifs of Cbp (Csk-binding protein) and the SOCS box of SOCS1. 2012 , 442, 611-20	6
651	Large-scale phosphotyrosine proteomic profiling of rat renal collecting duct epithelium reveals predominance of proteins involved in cell polarity determination. 2012 , 302, C27-45	10
650	The SH2B1 adaptor protein associates with a proximal region of the erythropoietin receptor. 2012 , 287, 26223-34	15
649	Phosphatidylinositol 3-kinase/AKT/mammalian target of rapamycin pathway inhibition: a breakthrough in the management of luminal (ER+/HER2-) breast cancers?. 2012 , 24, 623-34	38
648	Activation of the STAT6 transcription factor in Jurkat T-cells by the herpesvirus saimiri Tip protein. 2012 , 93, 330-340	12
647	Molecular Cloning and Characterization of PI3K-p85 β Gene from Inner Mongolia Cashmere Goat (<i>Capra hircus</i>). 2012 , 554-556, 1705-1708	
646	SRC points the way to biomarkers and chemotherapeutic targets. 2012 , 3, 426-35	18
645	G protein-coupled receptor-mediated activation of p110 β by G β s required for cellular transformation and invasiveness. 2012 , 5, ra89	101
644	Anoxia-induced NMDA receptor activation opens pannexin channels via Src family kinases. 2012 , 32, 12579-88	146
643	Once phosphorylated, tyrosines in carboxyl terminus of protein-tyrosine kinase Syk interact with signaling proteins, including TULA-2, a negative regulator of mast cell degranulation. 2012 , 287, 8194-204	29
642	Compartmentalizing proximal FGFR1 signaling in ovine placental artery endothelial cell caveolae. 2012 , 87, 40	8
641	Splice-mediated motif switching regulates disabled-1 phosphorylation and SH2 domain interactions. 2012 , 32, 2794-808	17
640	Restriction of Retroviral Replication by Tetherin/BST-2. 2012 , 2012, 424768	6
639	PKC-theta-mediated signal delivery from the TCR/CD28 surface receptors. 2012 , 3, 273	57
638	Counteracting effects operating on Src homology 2 domain-containing protein-tyrosine phosphatase 2 (SHP2) function drive selection of the recurrent Y62D and Y63C substitutions in Noonan syndrome. 2012 , 287, 27066-77	18
637	Grb2, a double-edged sword of receptor tyrosine kinase signaling. 2012 , 5, pe49	51
636	Utility of Molecular-Based In Vitro Assays in Metabolic Liability of Drug Candidates. 2012 , 1	
635	Conformationally constrained peptides as protein tyrosine kinase inhibitors. 2012 , 18, 2852-66	5

634	A novel mechanism of sustained platelet β activation via PEAR1. 2012 , 119, 4056-65	62
633	Effects of halogenation on tyrosine phosphorylation and peptide binding to the SRC homology 2 domain of lymphocyte-specific protein tyrosine kinase. 2012 , 35, 433-7	1
632	VEGF-A engages at least three tyrosine kinases to activate PI3K/Akt. 2012 , 11, 2047-8	26
631	Phosphatidylinositol 3-kinase-binding protein, PI3KAP/XB130, is required for cAMP-induced amplification of IGF mitogenic activity in FRTL-5 thyroid cells. 2012 , 26, 1043-55	19
630	Inhibition of p85, the non-catalytic subunit of phosphatidylinositol 3-kinase, exerts potent antitumor activity in human breast cancer cells. 2012 , 3, e440	7
629	Structure of a novel phosphotyrosine-binding domain in Hakai that targets E-cadherin. 2012 , 31, 1308-19	50
628	Class IA phosphatidylinositol 3-kinase regulates osteoclastic bone resorption through protein kinase B-mediated vesicle transport. 2012 , 27, 2464-75	28
627	Comparative proteomic profiling of mammalian cell lysates using phosphopeptide microarrays. 2012 , 48, 2240-2	32
626	Abl kinase constructs expressed in bacteria: facilitation of structural and functional studies including segmental labeling by expressed protein ligation. 2012 , 8, 1878-85	5
625	Visualizing the Induced Binding of SH2-Phosphopeptide. 2012 , 8, 1171-5	14
624	Diverse cellular and physiological roles of phospholipase C- β . 2012 , 52, 138-51	20
623	Uncovering new aspects of protein interactions through analysis of specificity landscapes in peptide recognition domains. 2012 , 586, 2764-72	11
622	The application of modular protein domains in proteomics. 2012 , 586, 2586-96	30
621	Why modules matter. 2012 , 586, 2572-4	16
620	The language of SH2 domain interactions defines phosphotyrosine-mediated signal transduction. 2012 , 586, 2597-605	70
619	Molecular characterization of <i>Cynoglossus semilaevis</i> CD28. 2012 , 32, 934-8	19
618	SRC Homology 2 Domain Binding Sites in Insulin, IGF-1 and FGF receptor mediated signaling networks reveal an extensive potential interactome. 2012 , 10, 27	32
617	Phosphotyrosine recognition domains: the typical, the atypical and the versatile. 2012 , 10, 32	50

616	Evolution of SH2 domains and phosphotyrosine signalling networks. 2012 , 367, 2556-73		55
615	Src binds cortactin through an SH2 domain cystine-mediated linkage. <i>Journal of Cell Science</i> , 2012 , 125, 6185-97	53	24
614	Phosphoinositide 3-kinases-a historical perspective. 2012 , 58, 95-110		16
613	Protein-Protein Interactions as Drug Targets. 2012 , 1-55		3
612	Comprehensive binary interaction mapping of SH2 domains via fluorescence polarization reveals novel functional diversification of ErbB receptors. 2012 , 7, e44471		39
611	Regulation of the SRC family kinases by Csk. 2012 , 8, 1385-97		189
610	PI3K/AKT/mTOR inhibitors for the systemic treatment of endometrial cancer. 2012 , 7, 421-430		1
609	High-throughput analysis of peptide-binding modules. 2012 , 12, 1527-46		38
608	Designing specific protein-protein interactions using computation, experimental library screening, or integrated methods. 2012 , 21, 949-63		37
607	Phosphorylation events during viral infections provide potential therapeutic targets. 2012 , 22, 166-81		59
606	The Src SH2 domain interacts dynamically with the focal adhesion kinase binding site as demonstrated by paramagnetic NMR spectroscopy. 2012 , 64, 538-44		9
605	Domain organization differences explain Bcr-Abl's preference for CrkL over CrkII. 2012 , 8, 590-6		44
604	Activation of target signal transducers utilizing chimeric receptors with signaling-molecule binding motifs. 2012 , 109, 1528-37		13
603	Towards mimicking short linear peptide motifs: identification of new mixed α -peptidomimetic ligands for SLAM-Associated Protein (SAP) by confocal on-bead screening. 2012 , 5, 63-79		6
602	Phosphorylation of Marburg virus matrix protein VP40 triggers assembly of nucleocapsids with the viral envelope at the plasma membrane. 2012 , 14, 182-97		30
601	Development of unique antibodies directed against each of the six different phosphotyrosine residues within the T cell receptor CD3 ζ chain. 2012 , 375, 129-37		2
600	Protein tyrosine phosphatase-1B regulates the tyrosine phosphorylation of the adapter Grb2-associated binder 1 (Gab1) in the retina. 2013 , 11, 20		3
599	Reelin-Disabled-1 signaling in neuronal migration: splicing takes the stage. 2013 , 70, 2319-29		32

598	Metazoan-like signaling in a unicellular receptor tyrosine kinase. 2013 , 14, 4	5
597	Phospho-Ser/Thr-binding domains: navigating the cell cycle and DNA damage response. 2013 , 14, 563-80	193
596	Tyrosine phosphorylation of the orphan receptor ESDN/DCBLD2 serves as a scaffold for the signaling adaptor CrkL. 2013 , 587, 2313-8	11
595	Integrin-matrix clusters form podosome-like adhesions in the absence of traction forces. 2013 , 5, 1456-68	102
594	Probing the recognition of post-translational modifications by combining sortase-mediated ligation and phage-assisted selection. 2013 , 8, 1692-7	10
593	Surface decorated gold nanoparticles by linear and cyclic peptides as molecular transporters. 2013 , 10, 3137-51	27
592	FHOD1 is needed for directed forces and adhesion maturation during cell spreading and migration. 2013 , 27, 545-59	76
591	Spatial and temporal aspects and the interplay of Grb14 and protein tyrosine phosphatase-1B on the insulin receptor phosphorylation. 2013 , 11, 96	7
590	Molecular mechanisms of SH2- and PTB-domain-containing proteins in receptor tyrosine kinase signaling. 2013 , 5, a008987	84
589	Profiling human Src homology 2 (SH2) domain proteins and ligand discovery using a peptide-hybrid small molecule microarray. 2013 , 49, 9660-2	2
588	The SH2 domain interaction landscape. 2013 , 3, 1293-305	89
587	Top-down motif engineering of a cytokine receptor for directing ex vivo expansion of hematopoietic stem cells. 2013 , 168, 659-65	3
586	Progress towards the development of SH2 domain inhibitors. 2013 , 42, 3337-70	79
585	Efficient delivery of cell impermeable phosphopeptides by a cyclic peptide amphiphile containing tryptophan and arginine. 2013 , 10, 2008-20	40
584	Protein tyrosine phosphatase SHP2/PTPN11 mistargeting as a consequence of SH2-domain point mutations associated with Noonan Syndrome and leukemia. 2013 , 84, 132-47	11
583	SHORT syndrome with partial lipodystrophy due to impaired phosphatidylinositol 3 kinase signaling. 2013 , 93, 150-7	91
582	Steady-state of an enzymatic reaction is dependent on the density of reactant. 2013 , 29, 294-8	8
581	Activation of PI3K/Akt pathway by CD133-p85 interaction promotes tumorigenic capacity of glioma stem cells. 2013 , 110, 6829-34	180

580	Standardizing and simplifying analysis of peptide library data. 2013 , 53, 493-9	3
579	Do low-affinity ErbB receptor protein interactions represent the base of a cell signaling iceberg?. 2013 , 10, 115-8	5
578	Role of herpes simplex virus VP11/12 tyrosine-based motifs in binding and activation of the Src family kinase Lck and recruitment of p85, Grb2, and Shc. 2013 , 87, 11276-86	19
577	Phosphorylation and externalization of galectin-4 is controlled by Src family kinases. 2013 , 23, 1452-62	11
576	Phosphoinositides: tiny lipids with giant impact on cell regulation. 2013 , 93, 1019-137	931
575	Phosphotyrosine signaling proteins that drive oncogenesis tend to be highly interconnected. 2013 , 12, 1204-13	27
574	Identification of a new interaction mode between the Src homology 2 domain of C-terminal Src kinase (Csk) and Csk-binding protein/phosphoprotein associated with glycosphingolipid microdomains. 2013 , 288, 15240-54	8
573	FBXL2- and PTPL1-mediated degradation of p110-free p85 regulatory subunit controls the PI(3)K signalling cascade. 2013 , 15, 472-80	86
572	An SH2 domain-based tyrosine kinase assay using biotin ligase modified with a terbium(III) complex. 2013 , 29, 491-7	3
571	VEGF in tumor progression and targeted therapy. 2013 , 13, 423-43	65
570	PI3K. 218-230	
569	Molecular cloning and characterization of growth factor receptor bound-protein in <i>Clonorchis sinensis</i> . 2014 , 9, e85577	2
568	The combined loss of Gads and CD127 reveals a novel function of Gads prior to TCR expression. 2014 , 60, 77-84	
567	P42 Ebp1 regulates the proteasomal degradation of the p85 regulatory subunit of PI3K by recruiting a chaperone-E3 ligase complex HSP70/CHIP. 2014 , 5, e1131	33
566	Structural and functional comparisons of retroviral envelope protein C-terminal domains: still much to learn. 2014 , 6, 284-300	7
565	Enhanced prediction of Src homology 2 (SH2) domain binding potentials using a fluorescence polarization-derived c-Met, c-Kit, ErbB, and androgen receptor interactome. 2014 , 13, 1705-23	14
564	The <i>Chlamydia trachomatis</i> type III secretion chaperone Slc1 engages multiple early effectors, including TepP, a tyrosine-phosphorylated protein required for the recruitment of CrkI-II to nascent inclusions and innate immune signaling. 2014 , 10, e1003954	50
563	The development and application of a quantitative peptide microarray based approach to protein interaction domain specificity space. 2014 , 13, 3647-62	11

562	Two amino acid residues confer different binding affinities of Abelson family kinase SRC homology 2 domains for phosphorylated cortactin. 2014 , 289, 19704-13	9
561	Solubility of recombinant Src homology 2 domains expressed in E. coli can be predicted by TANGO. 2014 , 14, 3	4
560	RasGAP mediates neuronal survival in Drosophila through direct regulation of Rab5-dependent endocytosis. <i>Journal of Cell Science</i> , 2014 , 127, 2849-61	5:3 1
559	The genesis of tyrosine phosphorylation. 2014 , 6, a020644	87
558	BMP2-induced chemotaxis requires PI3K p55 α /p110 β -dependent phosphatidylinositol (3,4,5)-triphosphate production and LL5 β recruitment at the cytocortex. 2014 , 12, 43	24
557	Dimeric switch of Hakai-truncated monomers during substrate recognition: insights from solution studies and NMR structure. 2014 , 289, 25611-23	11
556	Structural basis for activation of trimeric Gi proteins by multiple growth factor receptors via GIV/Girdin. 2014 , 25, 3654-71	38
555	Quantitative control of intracellular signaling activity through chimeric receptors incorporating multiple identical tyrosine motifs. 2014 , 111, 948-55	3
554	Diagnosis and phylogenetic analysis of ovine pulmonary adenocarcinoma in China. 2014 , 48, 64-73	7
553	A reactive oxygen species-mediated, self-perpetuating loop persistently activates platelet-derived growth factor receptor β . 2014 , 34, 110-22	32
552	Molecular dynamics of the proline switch and its role in Crk signaling. 2014 , 118, 4535-45	13
551	GnRH-(1-5) transactivates EGFR in Ishikawa human endometrial cells via an orphan G protein-coupled receptor. 2014 , 28, 80-98	34
550	EAT-2, a SAP-like adaptor, controls NK cell activation through phospholipase C β Ca $^{++}$, and Erk, leading to granule polarization. 2014 , 211, 727-42	62
549	The structural basis of PI3K cancer mutations: from mechanism to therapy. 2014 , 74, 641-6	39
548	Recombinant fusion proteins FPTD-Grb2-SH2 and FPTD-Grb2-SH2M inhibit the proliferation of breast cancer cells in vitro. 2014 , 31, 2669-75	0
547	Selection and Screening Strategies. 2015 , 114-129	1
546	PIK3CA rs7640662 (C/G) single nucleotide polymorphism lacks association with breast cancer cases in Persians. 2015 , 7, 3-8	
545	Phospho-tyrosine dependent protein-protein interaction network. 2015 , 11, 794	48

544	High-throughput methods for identification of protein-protein interactions involving short linear motifs. 2015 , 13, 38	32
543	Kinase Inhibitors Targeted Personalized Cancer Therapy. 2015 ,	
542	Inhibitory Receptors Beyond T Cell Exhaustion. 2015 , 6, 310	139
541	The Fyn-ADAP Axis: Cytotoxicity Versus Cytokine Production in Killer Cells. 2015 , 6, 472	18
540	The Role of Crk Adaptor Proteins in T-Cell Adhesion and Migration. 2015 , 6, 509	14
539	Systematic Prediction of Scaffold Proteins Reveals New Design Principles in Scaffold-Mediated Signal Transduction. 2015 , 11, e1004508	10
538	SH2 Ligand-Like Effects of Second Cytosolic Domain of Na/K-ATPase β Subunit on Src Kinase. 2015 , 10, e0142119	24
537	Proline-rich tyrosine kinase 2 controls PI3-kinase activation downstream of the T cell antigen receptor in human T cells. 2015 , 97, 285-96	12
536	Tyrosine phosphorylation of the Lyn Src homology 2 (SH2) domain modulates its binding affinity and specificity. 2015 , 14, 695-706	25
535	KSHV-TK is a tyrosine kinase that disrupts focal adhesions and induces Rho-mediated cell contraction. 2015 , 34, 448-65	12
534	Distinct sets of FGF receptors sculpt excitatory and inhibitory synaptogenesis. 2015 , 142, 1818-30	34
533	Src-family protein tyrosine kinase phosphorylates WNK4 and modulates its inhibitory effect on KCNJ1 (ROMK). 2015 , 112, 4495-500	14
532	N-Terminal Acetylation of Phosphopeptides to Enhance the Interaction with SH2 Domain by Electrosprary Ion Trap Mass Spectrometry. <i>International Journal of Peptide Research and Therapeutics</i> , 2015 , 21, 73-79	2.1
531	Structural Insights into the Molecular Recognition between Cerebral Cavernous Malformation 2 and Mitogen-Activated Protein Kinase Kinase Kinase 3. 2015 , 23, 1087-96	16
530	Phytochemical regulation of Fyn and AMPK signaling circuitry. 2015 , 38, 2093-105	9
529	An SH2 domain model of STAT5 in complex with phospho-peptides define "STAT5 Binding Signatures". 2015 , 29, 451-70	9
528	ERBB3-independent activation of the PI3K pathway in EGFR-mutant lung adenocarcinomas. 2015 , 75, 1035-45	21
527	Cyclic Peptides Incorporating Phosphotyrosine Mimetics as Potent and Specific Inhibitors of the Grb7 Breast Cancer Target. 2015 , 58, 7707-18	17

526	The discovery of modular binding domains: building blocks of cell signalling. 2015 , 16, 691-8	47
525	Targeting the Src Homology 2 (SH2) Domain of Signal Transducer and Activator of Transcription 6 (STAT6) with Cell-Permeable, Phosphatase-Stable Phosphopeptide Mimics Potently Inhibits Tyr641 Phosphorylation and Transcriptional Activity. 2015 , 58, 8970-84	30
524	Embryonal Fyn-associated substrate (EFS) and CASS4: The lesser-known CAS protein family members. 2015 , 570, 25-35	18
523	Phosphorylation of Dok1 by Abl family kinases inhibits Crkl transforming activity. 2015 , 34, 2650-9	4
522	Protein tyrosine phosphatase SAP-1 protects against colitis through regulation of CEACAM20 in the intestinal epithelium. 2015 , 112, E4264-71	22
521	A Peptide Uncoupling BDNF Receptor TrkB from Phospholipase C β Prevents Epilepsy Induced by Status Epilepticus. 2015 , 88, 484-91	67
520	Intracellular signaling of cardiac fibroblasts. 2015 , 5, 721-60	28
519	Estrogen Receptor Folding Modulates cSrc Kinase SH2 Interaction via a Helical Binding Mode. 2015 , 10, 2624-32	4
518	Role for a Zinc Finger Protein (Zfp111) in Transformation of 208F Rat Fibroblasts by Jaagsiekte Sheep Retrovirus Envelope Protein. 2015 , 89, 10453-66	6
517	Hepatitis C Virus Particle Assembly Involves Phosphorylation of NS5A by the c-Abl Tyrosine Kinase. 2015 , 290, 21857-64	14
516	SH Domains. 2015 ,	4
515	Differential effects of polyoma virus middle tumor antigen mutants upon gap junctional, intercellular communication. 2015 , 336, 223-31	3
514	Acute myeloid leukemia stem cell markers in prognosis and targeted therapy: potential impact of BMI-1, TIM-3 and CLL-1. 2016 , 7, 57811-57820	40
513	An electrostatic selection mechanism controls sequential kinase signaling downstream of the T cell receptor. 2016 , 5,	53
512	Novel Bioluminescent Activatable Reporter for Src Tyrosine Kinase Activity in Living Mice. 2016 , 6, 594-609	7
511	Structural and biophysical investigation of the interaction of a mutant Grb2 SH2 domain (W121G) with its cognate phosphopeptide. 2016 , 25, 627-37	7
510	Structural basis for a novel interaction between TXNIP and Vav2. 2016 , 590, 857-65	6
509	Using oriented peptide array libraries to evaluate methylarginine-specific antibodies and arginine methyltransferase substrate motifs. <i>Scientific Reports</i> , 2016 , 6, 28718	4.9 23

508	Avian reovirus A and NIS proteins activate the phosphatidylinositol 3-kinase-dependent Akt signalling pathway. 2016 , 161, 2243-8		3
507	A systematic evaluation of sorting motifs in the sodium-iodide symporter (NIS). 2016 , 473, 919-28		12
506	c- Src and its role in cystic fibrosis. 2016 , 95, 401-413		22
505	Multisite tyrosine phosphorylation of the N-terminus of Mint1/X11 by Src kinase regulates the trafficking of amyloid precursor protein. 2016 , 137, 518-27		16
504	A copper chelate induces apoptosis and overcomes multidrug resistance in T-cell acute lymphoblastic leukemia through redox imbalance and inhibition of EGFR/PI3K/Akt expression. 2016 , 84, 71-92		5
503	Petasis-Ugi ligands: New affinity tools for the enrichment of phosphorylated peptides. 2016 , 1031, 86-93		8
502	A pre-metazoan origin of the CRK gene family and co-opted signaling network. <i>Scientific Reports</i> , 2016 , 6, 34349	4-9	4
501	Intramolecular hydrophobic interactions are critical mediators of STAT5 dimerization. <i>Scientific Reports</i> , 2016 , 6, 35454	4-9	9
500	Bivalent Inhibitors of c-Src Tyrosine Kinase That Bind a Regulatory Domain. 2016 , 27, 1745-9		11
499	The untapped potential of tyrosine-based G protein signaling. 2016 , 105, 99-107		8
498	Roles for Signaling Molecules in the Growth and Survival of CML Cells. 2016 , 29-52		
497	Maximizing the Efficacy of MAPK-Targeted Treatment in PTENLOF/BRAF ^{MUT} Melanoma through PI3K and IGF1R Inhibition. 2016 , 76, 390-402		14
496	Molecular Pathogenesis and Treatment of Chronic Myelogenous Leukemia. 2016 ,		
495	Structural basis of focal adhesion targeting domain-mediated signaling in cardiac hypertrophy. 2017 , 37, 38-50		3
494	Biphasic Affinity Chromatographic Approach for Deep Tyrosine Phosphoproteome Analysis. 2017 , 89, 2405-2410		12
493	Introduction: History of SH2 Domains and Their Applications. 2017 , 1555, 3-35		4
492	Characterizing SH2 Domain Specificity and Network Interactions Using SPOT Peptide Arrays. 2017 , 1555, 357-373		2
491	SH2 Domains as Affinity Reagents for Phosphotyrosine Protein Enrichment and Proteomic Analysis. 2017 , 1555, 395-406		2

490	Sensitive Approaches for the Assay of the Global Protein Tyrosine Phosphorylation in Complex Samples Using a Mutated SH2 Domain. 2017 , 89, 2304-2311	7
489	SH2 Domains. 2017 ,	
488	NMR Chemical Shift Mapping of SH2 Peptide Interactions. 2017 , 1555, 269-290	2
487	Nanopatterned Extracellular Matrices Enable Cell-Based Assays with a Mass Spectrometric Readout. 2017 , 17, 1373-1377	19
486	Multimodal Recognition of Diverse Peptides by the C-Terminal SH2 Domain of Phospholipase C- β Protein. 2017 , 56, 2225-2237	5
485	Alzheimer's Disease II. 2017 ,	2
484	Inhibitors of Tau-Phosphorylating Kinases. 2017 , 119-158	0
483	Targeting Self-Binding Peptides as a Novel Strategy To Regulate Protein Activity and Function: A Case Study on the Proto-oncogene Tyrosine Protein Kinase c-Src. 2017 , 57, 835-845	101
482	Development of SH2 probes and pull-down assays to detect pathogen-induced, site-specific tyrosine phosphorylation of the TLR adaptor SCIMP. 2017 , 95, 564-570	6
481	Comparing pharmacophore models derived from crystallography and NMR ensembles. 2017 , 31, 979-993	2
480	A Protein Scaffold Coordinates SRC-Mediated JNK Activation in Response to Metabolic Stress. 2017 , 20, 2775-2783	19
479	Quantifying the Interaction between EGFR Dimers and Grb2 in Live Cells. <i>Biophysical Journal</i> , 2017 , 113, 1353-1364	2.9 14
478	Identification of STS-1 as a novel ShcA-binding protein. 2017 , 490, 1334-1339	4
477	The Effector TepP Mediates Recruitment and Activation of Phosphoinositide 3-Kinase on Early Vacuoles. 2017 , 2,	18
476	Synthesis of the Src SH2 domain and its application in bioassays for mirror-image screening. 2017 , 7, 38725-38732	2
475	Src SUMOylation Inhibits Tumor Growth Via Decreasing FAK Y925 Phosphorylation. 2017 , 19, 961-971	8
474	Global Phosphoproteomic Analysis of Insulin/Akt/mTORC1/S6K Signaling in Rat Hepatocytes. 2017 , 16, 2825-2835	19
473	Small Molecule Microarrays. 2017 ,	

472	Profiling Phosphopeptide-Binding Domain Recognition Specificity Using Peptide Microarrays. 2017 , 1518, 177-193	2
471	Role of the p55-gamma subunit of PI3K in ALK-induced cell migration: RNAi-based selection of cell migration regulators. 2017 , 11, 205-210	3
470	Epidermal growth factor receptors containing a single tyrosine in their C-terminal tail bind different effector molecules and are signaling-competent. 2017 , 292, 20744-20755	6
469	Insight into the Selectivity of the G7-18NATE Inhibitor Peptide for the Grb7-SH2 Domain Target. 2017 , 4, 64	4
468	The ectodomain of cadherin-11 binds to erbB2 and stimulates Akt phosphorylation to promote cranial neural crest cell migration. 2017 , 12, e0188963	14
467	Chemically induced proximity in biology and medicine. 2018 , 359,	145
466	Small and large intestine express a truncated Dab1 isoform that assembles in cell-cell junctions and co-localizes with proteins involved in endocytosis. 2018 , 1860, 1231-1241	1
465	Memory control by the B cell antigen receptor. 2018 , 283, 150-160	19
464	EGFR-Phosphorylated Platelet Isoform of Phosphofructokinase 1 Promotes PI3K Activation. 2018 , 70, 197-210.e7	55
463	Discovery of new benzensulfonamide derivatives as tripedal STAT3 inhibitors. 2018 , 151, 752-764	12
462	Encyclopedia of Signaling Molecules. 2018 , 3766-3766	
461	Encyclopedia of Signaling Molecules. 2018 , 3785-3785	
460	Encyclopedia of Signaling Molecules. 2018 , 3803-3803	
459	Encyclopedia of Signaling Molecules. 2018 , 4023-4023	
458	Encyclopedia of Signaling Molecules. 2018 , 4111-4111	
457	Encyclopedia of Signaling Molecules. 2018 , 4216-4216	
456	Encyclopedia of Signaling Molecules. 2018 , 4323-4323	
455	Encyclopedia of Signaling Molecules. 2018 , 4323-4323	

- 454 Encyclopedia of Signaling Molecules. **2018**, 4287-4294
- 453 Global expression profiling and pathway analysis of mouse mammary tumor reveals strain and stage specific dysregulated pathways in breast cancer progression. **2018**, 17, 963-973 3
- 452 Filopodia Conduct Target Selection in Cortical Neurons Using Differences in Signal Kinetics of a Single Kinase. **2018**, 98, 767-782.e8 24
- 451 Src signaling in a low-complexity unicellular kinome. *Scientific Reports*, **2018**, 8, 5362 4.9 4
- 450 Estrogen and Progesterone Integration in an in vitro Model of RP3V Kisspeptin Neurons. **2018**, 106, 101-115 19
- 449 Alternative Splicing of Disabled-1 Controls Multipolar-to-Bipolar Transition of Migrating Neurons in the Neocortex. **2018**, 28, 3457-3467 12
- 448 Diversity in peptide recognition by the SH2 domain of SH2B1. **2018**, 86, 164-176 3
- 447 Dissection of Signaling Events Downstream of the c-Mpl Receptor in Murine Hematopoietic Stem Cells Via Motif-Engineered Chimeric Receptors. **2018**, 14, 101-109 4
- 446 Quantitation of class IA PI3Ks in mice reveals p110-free-p85s and isoform-selective subunit associations and recruitment to receptors. **2018**, 115, 12176-12181 18
- 445 Comparative Molecular Transporter Efficiency of Cyclic Peptides Containing Tryptophan and Arginine Residues. **2018**, 3, 16281-16291 7
- 444 Application of Proteomics Technologies in Oil Palm Research. **2018**, 37, 473-499 4
- 443 Understanding SOCS protein specificity. **2018**, 36, 104-117 20
- 442 The Src module: an ancient scaffold in the evolution of cytoplasmic tyrosine kinases. **2018**, 53, 535-563 36
- 441 1.Tyrosine Phosphorylation In Cell Signaling: Discovery And Beyond. **2018**, 1-34
- 440 The divide and conquer strategies for deep phosphoproteomics analysis. **2018**, 105, 282-291 6
- 439 HER2 Amplification in Tumors Activates PI3K/Akt Signaling Independent of HER3. **2018**, 78, 3645-3658 51
- 438 Mechanism of Folding and Binding of the N-Terminal SH2 Domain from SHP2. **2018**, 122, 11108-11114 12
- 437 Formyl Peptide Receptor 1 Modulates Endothelial Cell Functions by NADPH Oxidase-Dependent VEGFR2 Transactivation. **2018**, 2018, 2609847 15

436	Computational Insights into the Interactions between Calmodulin and the c/nSH2 Domains of p85 β Regulatory Subunit of PI3K β Implication for PI3K β Activation by Calmodulin. 2018 , 19,	21
435	Efficient Intracellular Delivery of Cell-Impermeable Cargo Molecules by Peptides Containing Tryptophan and Histidine. 2018 , 23,	10
434	The Enigmatic Alphavirus Non-Structural Protein 3 (nsP3) Revealing Its Secrets at Last. 2018 , 10,	51
433	Deep mutational analysis reveals functional trade-offs in the sequences of EGFR autophosphorylation sites. 2018 , 115, E7303-E7312	15
432	Identification of phosphorylation sites and binding pockets for modulation of Na ⁺ 1.5 channel by Fyn tyrosine kinase. 2018 , 285, 2520-2530	5
431	Na/K-ATPase Y260 Phosphorylation-mediated Src Regulation in Control of Aerobic Glycolysis and Tumor Growth. <i>Scientific Reports</i> , 2018 , 8, 12322	4.9 16
430	Visualizing Spatiotemporal Dynamics of Intercellular Mechanotransmission upon Wounding. 2018 , 5, 3565-3574	6
429	Reverse Binding Mode of Phosphotyrosine Peptides with SH2 Protein. 2018 , 57, 5257-5269	3
428	Targeting phosphoinositide 3-kinase (PI3K) in head and neck squamous cell carcinoma (HNSCC). 2018 , 3, 3	34
427	A Methodological Assessment and Characterization of Genetically-Driven Variation in Three Human Phosphoproteomes. <i>Scientific Reports</i> , 2018 , 8, 12106	4.9 2
426	Betaherpesvirus Virion Assembly and Egress. 2018 , 1045, 167-207	14
425	Encoding human serine phosphopeptides in bacteria for proteome-wide identification of phosphorylation-dependent interactions. 2018 , 36, 638-644	17
424	Analysis of the FLVR motif of SHIP1 and its importance for the protein stability of SH2 containing signaling proteins. 2019 , 63, 109380	2
423	Structural characterization of an on-pathway intermediate and transition state in the folding of the N-terminal SH2 domain from SHP2. 2019 , 286, 4769-4777	3
422	Fc receptor-like 1 intrinsically recruits c-Abl to enhance B cell activation and function. 2019 , 5, eaaw0315	7
421	Slow phosphorylation of a tyrosine residue in LAT optimizes T cell ligand discrimination. 2019 , 20, 1481-1493	27
420	Structural Implications of STAT3 and STAT5 SH2 Domain Mutations. 2019 , 11,	16
419	Combinatorial diversity of Syk recruitment driven by its multivalent engagement with Fc γ RII 2019 , 30, 2331-2347	3

418	Phosphoinositide 3-kinase β inactivation prevents vitreous-induced activation of AKT/MDM2/p53 and migration of retinal pigment epithelial cells. 2019 , 294, 15408-15417		6
417	Oncogenic Mutations Rewire Signaling Pathways by Switching Protein Recruitment to Phosphotyrosine Sites. <i>Cell</i> , 2019 , 179, 543-560.e26	56.2	31
416	Dynamic regulatory features of the protein tyrosine kinases. 2019 , 47, 1101-1116		12
415	The adaptor protein Ste50 directly modulates yeast MAPK signaling specificity through differential connections of its RA domain. 2019 , 30, 794-807		2
414	Modeling cell line-specific recruitment of signaling proteins to the insulin-like growth factor 1 receptor. 2019 , 15, e1006706		5
413	Protein 4.1R negatively regulates CD8 T-cell activation by modulating phosphorylation of linker for activation of T cells. 2019 , 157, 312-321		3
412	SUMOylation of Csk Negatively Modulates its Tumor Suppressor Function. 2019 , 21, 676-688		3
411	Engineering of a sulfotyrosine-recognizing small protein scaffold for the study of protein tyrosine O-sulfation. 2019 , 622, 67-89		3
410	Design and evaluation of engineered protein biosensors for live-cell imaging of EGFR phosphorylation. 2019 , 12,		6
409	Ovine Pulmonary Adenocarcinoma: A Unique Model to Improve Lung Cancer Research. <i>Frontiers in Oncology</i> , 2019 , 9, 335	5.3	16
408	Targeting CLL-1 for acute myeloid leukemia therapy. 2019 , 12, 41		31
407	Identification of the Direct Substrates of the ABL Kinase via Kinase Assay Linked Phosphoproteomics with Multiple Drug Treatments. 2019 , 18, 1679-1690		5
406	Hairpins as peptidomimetics of human phosphoprotein-binding domains. 2019 , 17, 3996-4004		5
405	Phosphorylated tyrosine 93 of hepatitis C virus nonstructural protein 5A is essential for interaction with host c-Src and efficient viral replication. 2019 , 294, 7388-7402		4
404	Intrinsic disorder associated with 14-3-3 proteins and their partners. 2019 , 166, 19-61		28
403	Treating cancer with phosphatidylinositol-3-kinase inhibitors: increasing efficacy and overcoming resistance. 2019 , 60, 747-752		10
402	Molecular characterization and expression analysis of protein enhancer of sevenless 2B from <i>Artemia sinica</i> at early embryonic development and during immune response to bacterial stimulation. 2019 , 87, 582-589		2
401	PI3k and Stat3: Oncogenes that are Required for Gap Junctional, Intercellular Communication. 2019 , 11,		0

400	Crystal structures of p120RasGAP N-terminal SH2 domain in its apo form and in complex with a p190RhoGAP phosphotyrosine peptide. 2019 , 14, e0226113	7
399	The Upstream Pathway of mTOR-Mediated Autophagy in Liver Diseases. 2019 , 8,	69
398	A TAZ-AXL-ABL2 Feed-Forward Signaling Axis Promotes Lung Adenocarcinoma Brain Metastasis. 2019 , 29, 3421-3434.e8	23
397	The RTK Interactome: Overview and Perspective on RTK Heterointeractions. 2019 , 119, 5881-5921	31
396	Engineered SH2 domains with tailored specificities and enhanced affinities for phosphoproteome analysis. 2019 , 28, 403-413	4
395	The microRNAs Regulating Vascular Smooth Muscle Cell Proliferation: A Minireview. 2019 , 20,	37
394	Class I phosphoinositide 3-kinase (PI3K) regulatory subunits and their roles in signaling and disease. 2020 , 75, 100657	33
393	Nyap1 Regulates Multipolar-Bipolar Transition and Morphology of Migrating Neurons by Fyn Phosphorylation during Corticogenesis. 2020 , 30, 929-941	1
392	Protein domain microarrays as a platform to decipher signaling pathways and the histone code. 2020 , 184, 4-12	8
391	The Effect of Proline - Isomerization on the Folding of the C-Terminal SH2 Domain from p85. 2019 , 21,	1
390	Molecular switches in signaling networks as a mechanism of action for oncogenic mutations in proximity of tyrosine residues. 2020 , 7, 1692643	
389	Study of the activation of the PI3K/Akt pathway by the motif of A and NS proteins of avian reovirus. 2020 , 26, 312-318	0
388	Phosphotyrosine isosteres: past, present and future. 2020 , 18, 583-605	11
387	Insight into the mechanism of allosteric activation of PI3K by oncoprotein K-Ras4B. 2020 , 144, 643-655	20
386	Defining How Oncogenic and Developmental Mutations of PIK3R1 Alter the Regulation of Class IA Phosphoinositide 3-Kinases. 2020 , 28, 145-156.e5	7
385	Growth Factors, and Cytokines; Understanding the Role of Tyrosine Phosphatase SHP2 in Gametogenesis and Early Embryo Development. 2020 , 9,	4
384	NHD2-15, a novel antagonist of Growth Factor Receptor-Bound Protein-2 (GRB2), inhibits leukemic proliferation. 2020 , 15, e0236839	2
383	Drugging the Phosphoinositide 3-Kinase (PI3K) and Phosphatidylinositol 4-Kinase (PI4K) Family of Enzymes for Treatment of Cancer, Immune Disorders, and Viral/Parasitic Infections. 2020 , 1274, 203-222	6

382	Peptide-based Interaction Proteomics. 2020 , 19, 1070-1075		11
381	Abl-mediated PI3K activation regulates macrophage podosome formation. <i>Journal of Cell Science</i> , 2020 , 133,	53	6
380	Structural Determinants of Phosphopeptide Binding to the N-Terminal Src Homology 2 Domain of the SHP2 Phosphatase. 2020 , 60, 3157-3171		6
379	The GTPase-activating protein p120RasGAP has an evolutionarily conserved "FLVR-unique" SH2 domain. 2020 , 295, 10511-10521		1
378	Fyn Tyrosine Kinase as Harmonizing Factor in Neuronal Functions and Dysfunctions. 2020 , 21,		14
377	Comparative Molecular Transporter Properties of Cyclic Peptides Containing Tryptophan and Arginine Residues Formed through Disulfide Cyclization. 2020 , 25,		2
376	Specificity and regulation of phosphotyrosine signaling through SH2 domains. 2020 , 4, 100026		6
375	The Shb scaffold binds the Nck adaptor protein, p120 RasGAP, and Chimaerins and thereby facilitates heterotypic cell segregation by the receptor EphB2. 2020 , 295, 3932-3944		0
374	Comparative Analysis and Molecular Evolution of Class I PI3K Regulatory Subunit p85β Reveal the Structural Similarity Between nSH2 and cSH2 Domains. <i>International Journal of Peptide Research and Therapeutics</i> , 2020 , 26, 2555-2569	2.1	
373	IL-7R-Dependent Phosphatidylinositol 3-Kinase Competes with the STAT5 Signal to Modulate T Cell Development and Homeostasis. 2020 , 204, 844-857		2
372	Positive surface charge of GluN1 N-terminus mediates the direct interaction with EphB2 and NMDAR mobility. 2020 , 11, 570		11
371	Natural Killer Cells: Tumor Surveillance and Signaling. 2020 , 12,		28
370	Activation of the PI3K-AKT Pathway by Old World Alphaviruses. 2020 , 9,		12
369	Capilliposide B blocks VEGF-induced angiogenesis in vitro in primary human retinal microvascular endothelial cells. 2021 , 133, 110999		6
368	Mental wellbeing among people in prison in Scotland: an analysis of repeat cross-sectional surveys. 2021 , 43, e188-e195		3
367	Characterization of unique functionalities in c-Src domains required for osteoclast podosome belt formation. 2021 , 296, 100790		3
366	Phosphotyrosine couples peptide binding and SHP2 activation via a dynamic allosteric network. 2021 , 19, 2398-2415		7
365	Mechanisms of Resistance to PI3K Inhibitors in Cancer: Adaptive Responses, Drug Tolerance and Cellular Plasticity. 2021 , 13,		11

364	PI3K Forms Distinct Multiprotein Complexes at the TCR Signalosome in Naïve and Differentiated CD4 T Cells. 2021 , 12, 631271	3
363	Precise levels of the Drosophila adaptor protein Dreadlocks maintain the size and stability of germline ring canals. <i>Journal of Cell Science</i> , 2021 , 134,	53 0
362	SUMOylation modulates the stability and function of PI3K-p110. 2021 , 78, 4053-4065	3
361	Recent advances in development of hetero-bivalent kinase inhibitors. 2021 , 216, 113318	3
360	Properties of FDA-approved small molecule phosphatidylinositol 3-kinase inhibitors prescribed for the treatment of malignancies. 2021 , 168, 105579	13
359	A Cas-BCAR3 co-regulatory circuit controls lamellipodia dynamics. 2021 , 10,	0
358	Akt phosphorylates insulin receptor substrate to limit PI3K-mediated PIP3 synthesis. 2021 , 10,	2
357	The intramolecular allostery of GRB2 governing its interaction with SOS1 is modulated by phosphotyrosine ligands. 2021 , 478, 2793-2809	5
356	The Src-family Kinase Lyn in Immunoreceptor Signaling. 2021 , 162,	8
355	Chalcomoracin prevents vitreous-induced activation of AKT and migration of retinal pigment epithelial cells. 2021 , 25, 9102-9111	1
354	PI3K in T Cell Adhesion and Trafficking. 2021 , 12, 708908	2
353	Blockade of mutant RAS oncogenic signaling with a special emphasis on KRAS. 2021 , 172, 105806	7
352	A Cas-BCAR3 co-regulatory circuit controls lamellipodia dynamics.	
351	Specificity profiling of protein-binding domains using one-bead-one-compound Peptide libraries. 2012 , 4, 331-55	7
350	The insulin receptor and metabolic signaling. 1999 , 137, 71-190	6
349	Synthetic peptide libraries. 1997 , 192-209	2
348	Signaling chain homooligomerization (SCHOOL) model. 2008 , 640, 121-63	24
347	Protein Kinases and Signaling Pathways that Are Activated by Reelin. 2008 , 193-216	2

346	Cell Surface Receptors: Mechanisms of Signaling and Inactivation. 1999 , 7-28	1
345	Interplay between protein order, disorder and oligomericity in receptor signaling. 2012 , 725, 50-73	6
344	Regulation of retinal phosphoinositide 3-kinase activity in p85alpha-subunit knockout mice. 2003 , 533, 369-76	4
343	Phosphorylation-dependent prolyl isomerization: a novel cell cycle regulatory mechanism. 2000 , 4, 83-96	62
342	Regulation of immune responses by inhibitory receptors. 1998 , 452, 19-28	8
341	ras Proto-Oncogene Activation in Human Malignancy. 1995 , 17-52	19
340	Mechanisms of Endothelin-Induced Mitogenesis in Vascular Smooth Muscle. 1998 , 121-166	3
339	The EGF Receptor Signaling System. 2002 , 57-79	2
338	Mechanism of B cell antigen receptor function: transmembrane signaling and triggering of apoptosis. 1994 , 365, 9-22	5
337	Analysis of the (YXXL/I) ₂ signalling motifs found in the cytoplasmic segment of the mouse CD3-zeta chain. 1994 , 365, 45-51	2
336	Phosphatidic Acid. 1996 , 75-123	1
335	PI 3-Kinase and Receptor-Linked Signal Transduction. 1996 , 125-175	8
334	Chemical synthesis and applications of phosphopeptides. 1996 , 18, 249-78	3
333	Protein tyrosine phosphatases in mast cell signaling. 2015 , 1220, 269-86	7
332	Using peptide array to identify binding motifs and interaction networks for modular domains. 2009 , 570, 67-76	20
331	Profiling the tyrosine phosphorylation state using SH2 domains. 2009 , 527, 131-55, ix	19
330	SRC Signaling in Cancer and Tumor Microenvironment. 2021 , 1270, 57-71	4
329	Signal transduction by growth factor receptors. 1995 , 245-258	2

328	Transformation and oncogenesis by jaagsiekte sheep retrovirus. 2003 , 275, 139-77	34
327	Positive and negative signaling in B lymphocytes. 2000 , 245, 213-60	24
326	Structure and function of vascular endothelial growth factor receptor-1 and -2. 1999 , 237, 59-83	108
325	VLA-4-mediated signaling. 1998 , 231, 1-22	13
324	Tumorinvasion Die Rolle der Rezeptoren. 1995 , 17-27	1
323	CD4 and signal transduction. 1996 , 205, 47-62	23
322	Functions of SH2 and SH3 domains. 1998 , 228, 1-22	59
321	Signaling through Grb2/Ash-control of the Ras pathway and cytoskeleton. 1998 , 228, 325-42	13
320	Function of PTB domains. 1998 , 228, 23-38	28
319	Intracellular Signaling by the ret Tyrosine Kinase. 1996 , 37-59	1
318	Mechanisms of Growth Factor-Mediated Signal Transduction in PC12 Cells. 1996 , 61-98	2
317	Mechanisms and Biological Roles of STAT Activation by the IL-6 Family of Cytokines. 2003 , 155-175	1
316	The STAT Protein Family. 2003 , 11-26	4
315	Signal Transduction by Trk Receptors. 1995 , 37-53	1
314	Antigen receptors on B lymphocytes. 1995 , 129-142	1
313	EGF Family Receptors and Their Ligands in Human Cancer. 1998 , 113-165	8
312	Epidermal growth factor-dependent association of phosphatidylinositol 3-kinase with the erbB3 gene product.. 1994 , 269, 24747-24755	149
311	Biochemical characterization of the free catalytic p110 alpha and the complexed heterodimeric p110 alpha.p85 alpha forms of the mammalian phosphatidylinositol 3-kinase.. 1994 , 269, 25067-25072	24

310	LIM domain recognition of a tyrosine-containing tight turn.. 1994 , 269, 25085-25090	90
309	The ubiquitously expressed Syp phosphatase interacts with c-kit and Grb2 in hematopoietic cells.. 1994 , 269, 25206-25211	115
308	Src homology 2 domains of Syk and Lyn bind to tyrosine-phosphorylated subunits of the high affinity IgE receptor.. 1994 , 269, 22427-22432	166
307	In vivo association of Grb2 with pp116, a substrate of the T cell antigen receptor-activated protein tyrosine kinase.. 1994 , 269, 21608-21613	63
306	Syp (SH-PTP2) is a positive mediator of growth factor-stimulated mitogenic signal transduction.. 1994 , 269, 21244-21248	189
305	A transmembrane-anchored chimeric focal adhesion kinase is constitutively activated and phosphorylated at tyrosine residues identical to pp125FAK.. 1994 , 269, 20567-20574	99
304	Phosphorylation and identification of a major tyrosine phosphorylation site in protein tyrosine phosphatase 1C.. 1994 , 269, 19585-19589	54
303	Receptor tyrosine phosphatase R-PTP-alpha is tyrosine-phosphorylated and associated with the adaptor protein Grb2.. 1994 , 269, 18731-18734	56
302	Tyrosines 1148 and 1173 of activated human epidermal growth factor receptors are binding sites of Shc in intact cells. 1994 , 269, 18674-18678	86
301	Physical association between Src homology 3 elements and the protein product of the c-cbl proto-oncogene. 1994 , 269, 17363-17366	119
300	Multiple components of the B cell antigen receptor complex associate with the protein tyrosine phosphatase, CD45.. 1994 , 269, 17238-17244	43
299	Molecular cloning of human Syk. A B cell protein-tyrosine kinase associated with the surface immunoglobulin M-B cell receptor complex.. 1994 , 269, 12310-12319	96
298	Individual epidermal growth factor receptor autophosphorylation sites do not stringently define association motifs for several SH2-containing proteins.. 1994 , 269, 12320-12324	84
297	SH-PTP2/Syp SH2 domain binding specificity is defined by direct interactions with platelet-derived growth factor beta-receptor, epidermal growth factor receptor, and insulin receptor substrate-1-derived phosphopeptides.. 1994 , 269, 10467-10474	105
296	rse, a novel receptor-type tyrosine kinase with homology to Axl/Ufo, is expressed at high levels in the brain.. 1994 , 269, 10720-10728	92
295	Identification and characterization of SPRK, a novel src-homology 3 domain-containing proline-rich kinase with serine/threonine kinase activity.. 1994 , 269, 15092-15100	110
294	Association of phosphatidylinositol 3-kinase with a specific sequence of the T cell receptor zeta chain is dependent on T cell activation.. 1994 , 269, 15140-15146	91
293	Direct interaction between Shc and the platelet-derived growth factor beta-receptor.. 1994 , 269, 15337-15343	126

292	SH2-containing phosphotyrosine phosphatase Syp is a target of p210bcr-abl tyrosine kinase.. 1994 , 269, 15381-15387	63
291	Cloning and characterization of HTK, a novel transmembrane tyrosine kinase of the EPH subfamily.. 1994 , 269, 14211-14218	49
290	Activation of B- and T-cells by the cytoplasmic domains of the B-cell antigen receptor proteins Ig-alpha and Ig-beta.. 1994 , 269, 13529-13535	28
289	Activation of the SH2-containing protein tyrosine phosphatase, SH-PTP2, by phosphotyrosine-containing peptides derived from insulin receptor substrate-1.. 1994 , 269, 13614-13622	152
288	Physical and functional association of Src-related protein tyrosine kinases with Fc gamma RII in monocytic THP-1 cells.. 1994 , 269, 8878-8884	147
287	Epidermal growth factor-induced activation and translocation of phospholipase C-gamma 1 to the cytoskeleton in rat hepatocytes.. 1994 , 269, 7156-7162	77
286	Use of synthetic peptide libraries and phosphopeptide-selective mass spectrometry to probe protein kinase substrate specificity.. 1994 , 269, 7423-7428	58
285	Characterization of protein tyrosine phosphatase SH-PTP2. Study of phosphopeptide substrates and possible regulatory role of SH2 domains.. 1994 , 269, 5602-5611	75
284	Differential control of the tyrosine kinases Lyn and Syk by the two signaling chains of the high affinity immunoglobulin E receptor.. 1994 , 269, 5918-5925	271
283	SH2-dependent association of phosphatidylinositol 3'-kinase 85-kDa regulatory subunit with the interleukin-2 receptor beta chain.. 1994 , 269, 5937-5943	39
282	Identification of TrkB autophosphorylation sites and evidence that phospholipase C-gamma 1 is a substrate of the TrkB receptor.. 1994 , 269, 5458-5466	87
281	Dephosphorylation of insulin receptor substrate 1 by the tyrosine phosphatase PTP2C.. 1994 , 269, 15833-15837	5
280	Regulation of c-Fgr protein kinase by c-Src kinase (CSK) and by polycationic effectors.. 1994 , 269, 15885-15891	25
279	The adapter protein Shc interacts with the interleukin-2 (IL-2) receptor upon IL-2 stimulation.. 1994 , 269, 1599-1602	113
278	Identification of two SH3-binding motifs in the regulatory subunit of phosphatidylinositol 3-kinase.. 1994 , 269, 1927-1933	115
277	Direct activation of the phosphatidylinositol 3'-kinase by the insulin receptor.. 1994 , 269, 29-32	91
276	Platelet-derived growth factor receptor signals.. 1994 , 269, 32023-32026	429
275	Clustering of the platelet Fc gamma receptor induces noncovalent association with the tyrosine kinase p72syk.. 1994 , 269, 32435-32440	80

274	Signaling through CD19 activates Vav/mitogen-activated protein kinase pathway and induces formation of a CD19/Vav/phosphatidylinositol 3-kinase complex in human B cell precursors.. 1994 , 269, 32514-32521	122
273	The protein tyrosine kinase ZAP-70 can associate with the SH2 domain of proto-Vav.. 1994 , 269, 32579-32585	101
272	Independent binding of peptide ligands to the SH2 and SH3 domains of Grb2.. 1994 , 269, 31653-31658	56
271	Peptide inhibitors of src SH3-SH2-phosphoprotein interactions.. 1994 , 269, 31711-31719	142
270	Functional expression of insulin receptor substrate-1 is required for insulin-stimulated mitogenic signaling.. 1993 , 268, 22231-22234	84
269	SH2 domains of the protein-tyrosine kinases Blk, Lyn, and Fyn(T) bind distinct sets of phosphoproteins from B lymphocytes.. 1993 , 268, 22557-22565	27
268	Expression, purification, and characterization of SH2-containing protein tyrosine phosphatase, SH-PTP2.. 1993 , 268, 22771-22776	69
267	Activation of the Eck receptor protein tyrosine kinase stimulates phosphatidylinositol 3-kinase activity.. 1994 , 269, 30154-30157	107
266	Phosphopeptide occupancy and photoaffinity cross-linking of the v-Src SH2 domain attenuates tyrosine kinase activity.. 1994 , 269, 30574-30579	14
265	Binding of the nicotinic acetylcholine receptor to SH2 domains of Fyn and Fyk protein tyrosine kinases.. 1994 , 269, 29817-29824	56
264	Tyrosine 1356 in the carboxyl-terminal tail of the HGF/SF receptor is essential for the transduction of signals for cell motility and morphogenesis.. 1994 , 269, 29943-29948	101
263	An adhesion molecule-like protein that interacts with and is a substrate for a Drosophila receptor-linked protein tyrosine phosphatase.. 1994 , 269, 28478-28486	22
262	Localization of the insulin receptor binding sites for the SH2 domain proteins p85, Syp, and GAP.. 1994 , 269, 27186-27192	66
261	Identification of tyrosine 620 as the major phosphorylation site of myelin-associated glycoprotein and its implication in interacting with signaling molecules.. 1994 , 269, 27240-27245	41
260	Phorbol ester stimulates phosphorylation on serine 1327 of the human insulin receptor. 1994 , 269, 26259-26265	65
259	Insulin-induced activation of phosphatidyl inositol 3-kinase. Demonstration that the p85 subunit binds directly to the COOH terminus of the insulin receptor in intact cells.. 1994 , 269, 31178-31182	56
258	Grb2/Ash binds directly to tyrosines 1068 and 1086 and indirectly to tyrosine 1148 of activated human epidermal growth factor receptors in intact cells.. 1994 , 269, 31310-31314	69
257	Phosphoinositide 3-kinase is activated by phosphopeptides that bind to the SH2 domains of the 85-kDa subunit. 1993 , 268, 9478-9483	290

256	Role of p85 subunit of phosphatidylinositol-3-kinase as an adaptor molecule linking the insulin receptor, p62, and GTPase-activating protein.. 1994 , 269, 12503-12507	68
255	Tandem SH2 domains of ZAP-70 bind to T cell antigen receptor zeta and CD3 epsilon from activated Jurkat T cells.. 1993 , 268, 19797-19801	196
254	Molecular recognition sites on factor Xa which participate in the prothrombinase complex.. 1992 , 267, 12323-12329	41
253	Identification and characterization of Src SH3 ligands from phage-displayed random peptide libraries.. 1994 , 269, 23853-23856	128
252	The Osmotic Shock-induced Glucose Transport Pathway in 3T3-L1 Adipocytes Is Mediated by Gab-1 and Requires Gab-1-associated Phosphatidylinositol 3-Kinase Activity for Full Activation. 2000 , 275, 26870-26876	25
251	Insulin receptor substrate-1 mediates phosphatidylinositol 3'-kinase and p70S6k signaling during insulin, insulin-like growth factor-1, and interleukin-4 stimulation.. 1994 , 269, 28783-28789	201
250	Ciliary neurotrophic factor/leukemia inhibitory factor/interleukin 6/oncostatin M family of cytokines induces tyrosine phosphorylation of a common set of proteins overlapping those induced by other cytokines and growth factors. 1994 , 269, 11648-11655	260
249	Characterization, partial purification, and peptide sequencing of p130, the main phosphoprotein associated with v-Crk oncoprotein. 1994 , 269, 32740-32746	43
248	Four proline-rich sequences of the guanine-nucleotide exchange factor C3G bind with unique specificity to the first Src homology 3 domain of Crk. 1994 , 269, 32781-32787	159
247	A cyclin-dependent kinase homologue, p130PITSLRE is a phosphotyrosine-independent SH2 ligand. 1994 , 269, 33009-33020	35
246	The beta D-sheet residues of the Lck-derived SH2 domain determine specificity of the interaction with tyrosine-phosphorylated ligands in Ramos B cells. 1994 , 269, 33035-33041	6
245	Cross-linking of Fc gamma receptor I (Fc gamma RI) and receptor II (Fc gamma RII) on monocytic cells activates a signal transduction pathway common to both Fc receptors that involves the stimulation of p72 Syk protein tyrosine kinase.. 1993 , 268, 24442-24448	139
244	Activation of the SH2-containing phosphotyrosine phosphatase SH-PTP2 by its binding site, phosphotyrosine 1009, on the human platelet-derived growth factor receptor.. 1993 , 268, 21478-21481	243
243	Specificity in protein-tyrosine kinase signaling. 1997 , 31, 41-8	12
242	Peptidomimetic ligands for src Homology-2 Domains. 1997 , 127-163	5
241	New analysis pipeline for high-throughput domain-peptide affinity experiments improves SH2 interaction data. 2020 , 295, 11346-11363	2
240	sli-1, a negative regulator of let-23-mediated signaling in C. elegans. 1995 , 139, 1553-66	118
239	Herpesvirus saimiri protein StpB associates with cellular Src. 2001 , 82, 339-344	14

238	Quantitative yeast-yeast two hybrid for discovery and binding affinity estimation of protein-protein interactions.	1
237	Structure, function, and biology of SHIP proteins. 2000 , 14, 505-520	130
236	Protein-protein interactions define specificity in signal transduction. 2000 , 14, 1027-1047	368
235	VEGF Receptor Signal Transduction. 2001 , 2001, re21-re21	22
234	SH2 and PTB Domains in Tyrosine Kinase Signaling. 2003 , 2003, re12-re12	26
233	LAT, the Linker for Activation of T Cells: A Bridge Between T Cell-Specific and General Signaling Pathways. 2000 , 2000, re1-re1	7
232	Requirements for lymphocyte activation by unusual strains of simian immunodeficiency virus. 1996 , 70, 4157-61	41
231	Identification of latent membrane protein 2A (LMP2A) domains essential for the LMP2A dominant-negative effect on B-lymphocyte surface immunoglobulin signal transduction. 1996 , 70, 6216-26	87
230	Functional interaction between the SH2 domain of Fyn and tyrosine 324 of hamster polyomavirus middle-T antigen. 1997 , 71, 199-206	12
229	Genetic variation of herpesvirus saimiri subgroup A transforming protein and its association with cellular src. 1997 , 71, 3817-25	38
228	Epstein-Barr virus latent membrane protein 2 associates with and is a substrate for mitogen-activated protein kinase. 1997 , 71, 4752-60	53
227	Equine infectious anemia virus utilizes a YXXL motif within the late assembly domain of the Gag p9 protein. 1997 , 71, 6541-6	182
226	Tyrosine 112 of latent membrane protein 2A is essential for protein tyrosine kinase loading and regulation of Epstein-Barr virus latency. 1998 , 72, 7796-806	110
225	High-level variability in the ORF-K1 membrane protein gene at the left end of the Kaposi's sarcoma-associated herpesvirus genome defines four major virus subtypes and multiple variants or clades in different human populations. 1999 , 73, 4156-70	206
224	Herpesvirus ateles gene product Tio interacts with nonreceptor protein tyrosine kinases. 1999 , 73, 4631-9	33
223	Identification of the R1 oncogene and its protein product from the rhadinovirus of rhesus monkeys. 1999 , 73, 5123-31	46
222	Identification of a spliced gene from Kaposi's sarcoma-associated herpesvirus encoding a protein with similarities to latent membrane proteins 1 and 2A of Epstein-Barr virus. 1999 , 73, 6953-63	121
221	Mitogenic signalling and substrate specificity of the Flk2/Flt3 receptor tyrosine kinase in fibroblasts and interleukin 3-dependent hematopoietic cells. 1993 , 13, 6572-6585	53

220	Two signaling molecules share a phosphotyrosine-containing binding site in the platelet-derived growth factor receptor. 1993 , 13, 6889-6896	68
219	Binding of the Src SH2 domain to phosphopeptides is determined by residues in both the SH2 domain and the phosphopeptides. 1993 , 13, 7278-7287	54
218	Pleiotropic insulin signals are engaged by multisite phosphorylation of IRS-1. 1993 , 13, 7418-7428	138
217	Identification and sequence analysis of cDNAs encoding a 110-kilodalton actin filament-associated pp60src substrate. 1993 , 13, 7892-7900	56
216	Identification and characterization of a high-affinity interaction between v-Crk and tyrosine-phosphorylated paxillin in CT10-transformed fibroblasts. 1993 , 13, 4648-4656	105
215	Mapping of sites on the Src family protein tyrosine kinases p55blk, p59fyn, and p56lyn which interact with the effector molecules phospholipase C-gamma 2, microtubule-associated protein kinase, GTPase-activating protein, and phosphatidylinositol 3-kinase. 1993 , 13, 5877-5887	53
214	Stable association of pp60src and pp59fyn with the focal adhesion-associated protein tyrosine kinase, pp125FAK. 1994 , 14, 147-155	173
213	Phosphatidylinositol 3-kinase activation is mediated by high-affinity interactions between distinct domains within the p110 and p85 subunits. 1994 , 14, 42-49	40
212	Efficient coupling with phosphatidylinositol 3-kinase, but not phospholipase C gamma or GTPase-activating protein, distinguishes ErbB-3 signaling from that of other ErbB/EGFR family members. 1994 , 14, 492-500	93
211	A new function for a phosphotyrosine phosphatase: linking GRB2-Sos to a receptor tyrosine kinase. 1994 , 14, 509-517	166
210	An epidermal growth factor receptor/ret chimera generates mitogenic and transforming signals: evidence for a ret-specific signaling pathway. 1994 , 14, 663-675	24
209	Mammary tumors expressing the neu proto-oncogene possess elevated c-Src tyrosine kinase activity. 1994 , 14, 735-743	84
208	Characterization of an interaction between insulin receptor substrate 1 and the insulin receptor by using the two-hybrid system. 1994 , 14, 6433-6442	50
207	Multiple cytokines stimulate the binding of a common 145-kilodalton protein to Shc at the Grb2 recognition site of Shc. 1994 , 14, 6926-6935	49
206	Microinjection of the SH2 domain of the 85-kilodalton subunit of phosphatidylinositol 3-kinase inhibits insulin-induced DNA synthesis and c-fos expression. 1994 , 14, 7466-7475	44
205	Prokaryotic expression cloning of a novel human tyrosine kinase. 1994 , 14, 982-988	16
204	Involvement of Shc in insulin- and epidermal growth factor-induced activation of p21ras. 1994 , 14, 1575-1581	57
203	Autophosphorylation of the focal adhesion kinase, pp125FAK, directs SH2-dependent binding of pp60src. 1994 , 14, 1680-1688	478

202	Specific motifs recognized by the SH2 domains of Csk, 3BP2, fps/fes, GRB-2, HCP, SHC, Syk, and Vav. 1994 , 14, 2777-2785	302
201	The T-cell antigen CD5 acts as a receptor and substrate for the protein-tyrosine kinase p56lck. 1994 , 14, 2862-2870	21
200	Mutagenic analysis of the roles of SH2 and SH3 domains in regulation of the Abl tyrosine kinase. 1994 , 14, 2883-2894	72
199	Analysis of the role of the Shc and Grb2 proteins in signal transduction by the v-ErbB protein. 1994 , 14, 3253-3262	11
198	The cytoplasmic domain of CD28 is both necessary and sufficient for costimulation of interleukin-2 secretion and association with phosphatidylinositol 3'-kinase. 1994 , 14, 3392-3402	51
197	ErbB3 is involved in activation of phosphatidylinositol 3-kinase by epidermal growth factor. 1994 , 14, 3550-3558	226
196	Role of IRS-1-GRB-2 complexes in insulin signaling. 1994 , 14, 3577-3587	59
195	Interactions of p59fyn and ZAP-70 with T-cell receptor activation motifs: defining the nature of a signalling motif. 1994 , 14, 3729-3741	53
194	Identification of Src, Fyn, and Lyn SH3-binding proteins: implications for a function of SH3 domains. 1994 , 14, 4509-4521	81
193	Functional specificity of cytoplasmic and transmembrane tyrosine kinases: identification of 130- and 75-kilodalton substrates of c-fps/fes tyrosine kinase in macrophages. 1994 , 14, 4606-4615	10
192	Hierarchy of binding sites for Grb2 and Shc on the epidermal growth factor receptor. 1994 , 14, 5192-5201	173
191	Activation of p56lck by p72syk through physical association and N-terminal tyrosine phosphorylation. 1994 , 14, 5249-5258	29
190	CRK protein binds to two guanine nucleotide-releasing proteins for the Ras family and modulates nerve growth factor-induced activation of Ras in PC12 cells. 1994 , 14, 5495-5500	76
189	Protein-protein interactions: methods for detection and analysis. 1995 , 59, 94-123	628
188	Dexamethasone enhances insulin-like growth factor-I effects on skeletal muscle cell proliferation. Role of specific intracellular signaling pathways. <i>Journal of Clinical Investigation</i> , 1995 , 96, 1473-83	15.9 48
187	Shared gamma(c) subunit within the human interleukin-7 receptor complex. A molecular basis for the pathogenesis of X-linked severe combined immunodeficiency. <i>Journal of Clinical Investigation</i> , 1997 , 99, 169-77	15.9 37
186	Nephrin ectodomain engagement results in Src kinase activation, nephrin phosphorylation, Nck recruitment, and actin polymerization. <i>Journal of Clinical Investigation</i> , 2006 , 116, 1346-59	15.9 256
185	Absence of polycythemia in a child with a unique erythropoietin receptor mutation in a family with autosomal dominant primary polycythemia. <i>Journal of Clinical Investigation</i> , 1998 , 102, 124-9	15.9 43

184	Receptor tyrosine kinases exert dominant control over PI3K signaling in human KRAS mutant colorectal cancers. <i>Journal of Clinical Investigation</i> , 2011 , 121, 4311-21	15.9	159
183	Purification and Molecular Cloning of SH2- and SH3-Containing Inositol Polyphosphate-5-Phosphatase, Which Is Involved in the Signaling Pathway of Granulocyte-Macrophage Colony-Stimulating Factor, Erythropoietin, and Bcr-Abl. 1997 , 89, 2745-2756		34
182	c-Cbl Is Tyrosine-Phosphorylated by Interleukin-4 and Enhances Mitogenic and Survival Signals of Interleukin-4 Receptor by Linking With the Phosphatidylinositol 3?-Kinase Pathway. 1998 , 91, 46-53		12
181	Lyn Physically Associates With the Erythropoietin Receptor and May Play a Role in Activation of the Stat5 Pathway. 1998 , 91, 3734-3745		11
180	The p85 and p110 Subunits of Phosphatidylinositol 3-Kinase Are Substrates, In Vitro, for a Constitutively Associated Protein Tyrosine Kinase in Platelets. 1998 , 91, 930-939		1
179	Analysis of Signal Transduction Pathways in Human Eosinophils Activated by Chemoattractants and the T-Helper 2-Derived Cytokines Interleukin-4 and Interleukin-5. 1998 , 91, 2547-2557		7
178	Src-Related Protein Tyrosine Kinases in Hematopoiesis. 1999 , 93, 1-14		103
177	Src-Related Protein Tyrosine Kinases in Hematopoiesis. 1999 , 93, 1-14		13
176	Identification of a Novel Stat3 Recruitment and Activation Motif Within the Granulocyte Colony-Stimulating Factor Receptor. 1999 , 93, 15-24		7
175	Erythropoietin Induces the Tyrosine Phosphorylation of GAB1 and Its Association With SHC, SHP2, SHIP, and Phosphatidylinositol 3-Kinase. 1999 , 93, 2578-2585		5
174	Differential stimulation of c-Kit mutants by membrane-bound and soluble Steel Factor correlates with leukemic potential. 2000 , 96, 3734-3742		1
173	Nucleophosmin is a lymphoma kinase associated with anaplastic large-cell lymphoma activates the phosphatidylinositol 3-kinase/Akt antiapoptotic signaling pathway. 2000 , 96, 4319-4327		13
172	The Grb2 binding site is required for the induction of chronic myeloid leukemia-like disease in mice by the Bcr/Abl tyrosine kinase. 2000 , 96, 664-670		9
171	Src kinase-mediated signaling in leukocytes. 2000 , 68, 603-613		28
170	Mast Cells. 2004 , 237-261		1
169	The Src family of protein tyrosine kinases: regulation and functions. 1993 , 119, 57-64		24
168	small wing encodes a phospholipase C-(gamma) that acts as a negative regulator of R7 development in Drosophila. 1998 , 125, 5033-5042		38
167	The DNA binding domain of retinoic acid receptor beta is required for ligand-dependent suppression of proliferation. Application of general purpose mammalian coexpression vectors. <i>Journal of Cell Science</i> , 1994 , 107, 827-838	5.3	21

166	Primary sequence of paxillin contains putative SH2 and SH3 domain binding motifs and multiple LIM domains: identification of a vinculin and pp125Fak-binding region. <i>Journal of Cell Science</i> , 1994 , 107, 1583-1591	5-3	237
165	Epidermal growth factor induces tyrosine phosphorylation and reorganization of the tight junction protein ZO-1 in A431 cells. <i>Journal of Cell Science</i> , 1995 , 108, 1735-1742	5-3	97
164	Characterization of a focal adhesion protein, Hic-5, that shares extensive homology with paxillin. <i>Journal of Cell Science</i> , 1999 , 112, 181-190	5-3	121
163	The FHA domain mediates phosphoprotein interactions. <i>Journal of Cell Science</i> , 2000 , 113, 4143-4149	5-3	124
162	Tyrosine 766 in the fibroblast growth factor receptor-1 is required for FGF-stimulation of phospholipase C, phospholipase D, phospholipase A(2), phosphoinositide 3-kinase and cytoskeletal reorganisation in porcine aortic endothelial cells. <i>Journal of Cell Science</i> , 2000 , 113, 643-651	5-3	33
161	The deleted in brachydactyly B domain of ROR2 is required for receptor activation by recruitment of Src. 2008 , 3, e1873		58
160	Conformational determinants of phosphotyrosine peptides complexed with the Src SH2 domain. 2010 , 5, e11215		10
159	Semi-supervised prediction of SH2-peptide interactions from imbalanced high-throughput data. 2013 , 8, e62732		22
158	Disruption of Fyn SH3 domain interaction with a proline-rich motif in liver kinase B1 results in activation of AMP-activated protein kinase. 2014 , 9, e89604		8
157	PI3King the right partner: unique interactions and signaling by p110. 2015 , 3, 71-87		2
156	Primary structure of mouse and rat nephrin cDNA and structure and expression of the mouse gene. 2000 , 11, 991-1001		57
155	Expression of GADS enhances FLT3-induced mitogenic signaling. 2016 , 7, 14112-24		10
154	SH2 Domain Binding: Diverse FLVRs of Partnership. 2020 , 11, 575220		3
153	Demonstration of Binding Induced Structural Plasticity in a SH2 Domain. 2020 , 7, 89		2
152	Role of mitogen-activated protein kinases and protein kinase C in regulating low-density lipoprotein receptor expression. <i>Gene Expression</i> , 2002 , 10, 153-64	3-4	7
151	Receptor tyrosine kinase structure and function in health and disease. 2015 , 2, 476-502		6
150	Phagocytosis. 2013 , 1, 1-105		2
149	Non-Phosphopeptide Inhibitor for Lck SH2 Domain: Solid-Phase Synthesis and Structure Activity Relationship of Rosmarinic Acid Analogs. 2003 , 24, 664-666		2

- 148 SH2D4A regulates cell proliferation via the ERalpha/PLC-gamma/PKC pathway. **2009**, 42, 516-22 8
- 147 Novel p104 protein regulates cell proliferation through PI3K inhibition and p27(Kip1) expression. **2010**, 43, 199-204 2
- 146 UNC93B1 mediates differential trafficking of endosomal TLRs. **2013**, 2, e00291 173
- 145 Reciprocal regulation among TRPV1 channels and phosphoinositide 3-kinase in response to nerve growth factor. **2018**, 7, 10
- 144 Quantitative Yeast-Yeast Two Hybrid for the Discovery and Binding Affinity Estimation of Protein-Protein Interactions. **2021**, 10, 505-514 2
- 143 Targeting PDZ domains as potential treatment for viral infections, neurodegeneration and cancer. **2021**, 16, 15 2
- 142 Insulin Action. **2000**, 17-38
- 141 Mitogenic Signal Transduction. **2000**, 75-91
- 140 Molecular approaches to receptors as targets for drug discovery. **2000**, 89, 123-39 4
- 139 New Approaches to Osteoporosis Therapeutics. **2001**, 769-818
- 138 Costimulatory Blockade as a Therapeutic Regimen for Prolonging Allograft Survival and Inducing Tolerance: An Overview of Recent Research. **2001**, 127-158
- 137 Diabetes mellitus. **2001**, 223-257
- 136 Structure and Peptide Binding Specificity of the SH3 and SH2 Domain from a Self-Regulated Protein Tyrosine Kinase IBTK. **2001**, 695-696
- 135 Protein Phosphorylation and Protein-Protein Interactions. **2002**, 3-19
- 134 Insulin and Insulin-Like Growth Factor-1 Receptors and Signaling Pathways: Similarities and Differences. **2002**, 81-99
- 133 SH2 Domains.
- 132 FYN Kinase.
- 131 Abl in Cell Signaling. **2003**, 249-256

- 130 Molecular Endocrinology. **2003**,
- 129 Growth Factor Signaling Pathways in Cancer. **2004**, 267-315
- 128 PHOSPHOINOSITIDE 3-KINASE ENZYMES AS DOWNSTREAM TARGETS OF THE EGF RECEPTOR. **2008**, 91-111
- 127 The SH2 Domain: A Prototype for Protein Interaction Modules.
- 126 Deregulation of Signal Transduction Pathways by Oncogenic Retroviruses. **2010**, 53-94
- 125 Insulin and Growth Factor Signaling Pathways. **2010**, 38-82
- 124 Protein Kinase Inhibitors in Drug Discovery. 1
- 123 [Screening and identification of interactive proteins of SH2D4A]. **2010**, 32, 712-8
- 122 Developmental Biology of the Hematopoietic Growth Factors. **2011**, 1469-1485
- 121 Src Family Tyrosine Kinases: Implications for Mammary Tumor Progression. **2012**, 331-352
- 120 Jaagsiekte Sheep Retrovirus and Lung Cancer. **2012**, 755-791
- 119 ErbB Receptors and ErbB Targeted Therapies in Endometrial Cancer. **2014**, 05, 483-492 0
- 118 Two novel transmembrane protein tyrosine kinases expressed during *Caenorhabditis elegans* hypodermal development. **1993**, 13, 7133-7143 8
- 117 A 31-amino-acid N-terminal extension regulates c-Crk binding to tyrosine-phosphorylated proteins. **1993**, 13, 7295-7302 14
- 116 Phosphorylated fragments of the epidermal growth factor receptor: Sequence specificity for binding to phospholipase C β SH2 domains, and for kinase and phosphatase activity. **1994**, 948-950
- 115 Determinants of specificity in phosphoprotein/ SH2 domain interactions. **1994**, 927-929
- 114 Signaling Mechanisms Utilized by Mammalian Cells. **1994**, 27-62
- 113 Involvement of nonreceptor protein tyrosine kinases in multichain immune recognition receptor signal transduction. **1994**, 365, 131-41 1

- 112 Accessory molecules that influence signaling through B lymphocyte antigen receptors. **1994**, 365, 35-43
- 111 Membrane Receptors. **1994**, 148-221
- 110 A photoaffinity scan maps regions of an SH2 domain involved in phosphoprotein interactions. **1994**, 958-960
- 109 B-cell activation by wild type and mutant Ig-beta cytoplasmic domains. **1994**, 365, 23-34
- 108 Transmembrane signalling in eukaryotes: a comparison between higher and lower eukaryotes. **1994**, 3-34
- 107 Control of lymphopoiesis by non-receptor protein tyrosine kinases. **1994**, 365, 121-30
- 106 Tyrosine phosphorylation of CD45 phosphotyrosine phosphatase by p50csk kinase creates a binding site for p56lck tyrosine kinase and activates the phosphatase. **1994**, 14, 1308-1321 44
- 105 Genetic analysis of a phosphatidylinositol 3-kinase SH2 domain reveals determinants of specificity. **1994**, 14, 5929-5938 10
- 104 Physical and functional interactions between SH2 and SH3 domains of the Src family protein tyrosine kinase p59fyn. **1994**, 14, 6372-6385 17
- 103 Tyr-716 in the platelet-derived growth factor beta-receptor kinase insert is involved in GRB2 binding and Ras activation. **1994**, 14, 6715-6726 33
- 102 Molecular Biology of Virally-Induced Cell Transformation and Tumorigenesis. **1995**, 541-609
- 101 Peptides as active probes. **1995**, 73, 229-55 1
- 100 The Structural Basis for Specificity in Protein-Tyrosine Kinase Signaling. **1996**, 5-16
- 99 The Role of Non-receptor Protein Tyrosine Kinases in Receptor Mediated Cellular Activation and Immunodeficiency Disease. **1996**, 119-134
- 98 Structural, Dynamic, and Folding Studies of SH2 and SH3 Domains. **1996**, 35-47
- 97 The roles of PI3Ks in cellular regulation. **1997**, 175-188
- 96 CRK. **1997**, 130-133
- 95 References. **1997**, 215-326

- 94 Growth Factors and Growth Factor Inhibitors. **1997**, 337-370 1
- 93 Intracellular Antibodies as Tools to Study ErbB Receptor Tyrosine Kinases. **1998**, 61-74
- 92 Mechanisms of Endothelin-Induced Mitogenesis and Activation of Stress Response Protein Kinases. **1998**, 177-215 1
- 91 Molecular Identification and Functional Characterization of a Novel Protein That Mediates the Attachment of Erythroblasts to Macrophages. **1998**, 92, 2940-2950
- 90 SH Domains—Interaction with SLiMs: Maximizing Adaptivity of Signaling Networks. **2015**, 111-131
- 89 Signal Transduction by the B Cell Antigen Receptor. **2016**, 44-50
- 88 Encyclopedia of Signaling Molecules. **2017**, 1-8
- 87 Mast Cells: Sentinels of Innate Skin Immunity. **2017**, 67-80
- 86 The effector TepP mediates the recruitment and activation of Phosphoinositide 3 Kinase on early *Chlamydia trachomatis* vacuoles.
- 85 PTPRH. **2018**, 4308-4315
- 84 A Methodological Assessment and Characterization of Genetically-Driven Variation in Three Human Phosphoproteomes.
- 83 Reciprocal regulation among TRPV1 channels and phosphoinositide 3-kinase in response to nerve growth factor.
- 82 Molecular aspects of multivalent engagement between Syk and Fc γ RII
- 81 Elucidation of protein-protein interactions necessary for maintenance of the BCR-ABL signaling complex.
- 80 Defining how oncogenic and developmental mutations of PIK3R1 alter the regulation of class IA phosphoinositide 3-kinases.
- 79 Peptide probes containing a non-hydrolyzable phosphotyrosine-mimetic residue for enrichment of protein tyrosine phosphatases. **2021**, e2100144 0
- 78 Peptide-functionalized Biomaterials with Osteoinductive or Anti-biofilm Activity. **2020**, 129-168
- 77 Cell Activation and Signaling in Lymphocytes. **2020**, 133-161

76	New analysis pipeline for high-throughput domain-peptide affinity experiments improves SH2 interaction data.	
75	Structural Determinants of Phosphopeptide Binding to the N-Terminal Src Homology 2 Domain of the SHP2 Phosphatase.	0
74	Phosphotyrosyl peptides targeted to the SH2 domain are potent inhibitors of the kinase activity of pp60c-src. 2002 , 563-565	
73	Growth Factor Receptors and Cell Adhesion Complexes in Cytoskeletal Assembly/Anchorage. 2001 , 277-290	
72	Signaling from Internalized Receptors. 2006 , 89-100	
71	Identification of the novel K15 gene at the rightmost end of the Kaposi's sarcoma-associated herpesvirus genome. 2000 , 74, 436-46	50
70	Signal transduction by the alpha 6 beta 4 integrin: distinct beta 4 subunit sites mediate recruitment of Shc/Grb2 and association with the cytoskeleton of hemidesmosomes. 1995 , 14, 4470-81	75
69	Dual role of the tyrosine activation motif of the Ig-alpha protein during signal transduction via the B cell antigen receptor. 1994 , 13, 83-9	41
68	Mutations in the Caenorhabditis elegans let-23 EGFR-like gene define elements important for cell-type specificity and function. 1994 , 13, 360-6	26
67	Bcr-Abl oncoproteins bind directly to activators of the Ras signalling pathway. 1994 , 13, 764-73	94
66	The SH2 domain protein GRB-7 is co-amplified, overexpressed and in a tight complex with HER2 in breast cancer. 1994 , 13, 1331-40	80
65	Ligand-induced IFN gamma receptor tyrosine phosphorylation couples the receptor to its signal transduction system (p91). 1994 , 13, 1591-600	97
64	Analysis of Ig-alpha-tyrosine kinase interaction reveals two levels of binding specificity and tyrosine phosphorylated Ig-alpha stimulation of Fyn activity. 1994 , 13, 1911-9	39
63	Involvement of phosphoinositide 3-kinase in insulin- or IGF-1-induced membrane ruffling. 1994 , 13, 2313-21	99
62	c-Abl kinase regulates the protein binding activity of c-Crk. 1994 , 13, 2341-51	118
61	Identification of c-erbB-3 binding sites for phosphatidylinositol 3'-kinase and SHC using an EGF receptor/c-erbB-3 chimera. 1994 , 13, 2831-41	142
60	Phosphorylation of receptor protein-tyrosine phosphatase alpha on Tyr789, a binding site for the SH3-SH2-SH3 adaptor protein GRB-2 in vivo. 1994 , 13, 3020-32	54
59	A single autophosphorylation site confers oncogenicity to the Neu/ErbB-2 receptor and enables coupling to the MAP kinase pathway. 1994 , 13, 3302-11	59

58	A novel signaling molecule, p130, forms stable complexes in vivo with v-Crk and v-Src in a tyrosine phosphorylation-dependent manner. 1994 , 13, 3748-56	189
57	Identification of Src, Fyn, Lyn, PI3K and Abl SH3 domain ligands using phage display libraries. 1994 , 13, 5598-604	57
56	Biochemical and genetic analysis of the Drk SH2/SH3 adaptor protein of Drosophila. 1995 , 14, 2509-18	19
55	trkC encodes multiple neurotrophin-3 receptors with distinct biological properties and substrate specificities. 1993 , 12, 3083-94	43
54	The (YXXL/I) ₂ signalling motif found in the cytoplasmic segments of the bovine leukaemia virus envelope protein and Epstein-Barr virus latent membrane protein 2A can elicit early and late lymphocyte activation events. 1993 , 12, 5105-12	46
53	Mutation of Tyr697, a GRB2-binding site, and Tyr721, a PI 3-kinase binding site, abrogates signal transduction by the murine CSF-1 receptor expressed in Rat-2 fibroblasts. 1993 , 12, 5161-72	46
52	Phosphorylated interferon-alpha receptor 1 subunit (IFN α R1) acts as a docking site for the latent form of the 113 kDa STAT2 protein. 1996 , 15, 1064-74	48
51	The SH2 domains of Stat1 and Stat2 mediate multiple interactions in the transduction of IFN-alpha signals. 1996 , 15, 1075-84	44
50	Structure of a specific peptide complex of the carboxy-terminal SH2 domain from the p85 alpha subunit of phosphatidylinositol 3-kinase. 1996 , 15, 3579-89	15
49	Requirement of phospholipase C gamma, the tyrosine phosphatase Syp and the adaptor proteins Shc and Nck for PDGF-induced DNA synthesis: evidence for the existence of Ras-dependent and Ras-independent pathways. 1996 , 15, 4940-8	24
48	Mutation of a Src phosphorylation site in the PDGF beta-receptor leads to increased PDGF-stimulated chemotaxis but decreased mitogenesis. 1996 , 15, 5299-313	36
47	Sequence requirements for the recognition of tyrosine-based endocytic signals by clathrin AP-2 complexes. 1996 , 15, 5789-95	101
46	STK/RON receptor tyrosine kinase mediates both apoptotic and growth signals via the multifunctional docking site conserved among the HGF receptor family. 1996 , 15, 5866-75	42
45	Identification of Tyr-703 and Tyr-936 as the primary association sites for Grb2 and Grb7 in the c-Kit/stem cell factor receptor. 1999 , 341 (Pt 1), 211-6	33
44	Platelet-derived growth factor-dependent association of the GTPase-activating protein of Ras and Src. 1999 , 344 Pt 2, 519-26	5
43	The beta-subunit of the hepatocyte growth factor/scatter factor (HGF/SF) receptor phosphorylates and associates with CrkII: expression of CrkII enhances HGF/SF-induced mitogenesis. 2000 , 350 Pt 3, 925-32	2
42	H-RYK, an unusual receptor kinase: isolation and analysis of expression in ovarian cancer. 1996 , 2, 189-203	8
41	Lasp-1, a novel type of actin-binding protein accumulating in cell membrane extensions. 1998 , 4, 675-87	33

40	Signal transduction and activation of gene transcription by interferons. <i>Gene Expression</i> , 1995 , 5, 1-18	3.4	27
39	Affinity Selection from Synthetic Peptide Libraries Enabled by De Novo MS/MS Sequencing. <i>International Journal of Peptide Research and Therapeutics</i> , 2022 , 28, 1	2.1	
38	Nck adaptors at a glance. <i>Journal of Cell Science</i> , 2021 , 134,	5.3	3
37	Tankyrase represses autoinflammation through the attenuation of TLR2 signaling.. <i>Journal of Clinical Investigation</i> , 2022 , 132,	15.9	0
36	Modulating binding affinity, specificity and configurations by multivalent interactions.. <i>Biophysical Journal</i> , 2022 ,	2.9	0
35	ERBB3 methylation and immune infiltration in tumor microenvironment of cervical cancer.. <i>Scientific Reports</i> , 2022 , 12, 8112	4.9	0
34	Comprehensive binary interaction mapping of phosphotyrosine sites with SH2 domains in the human genome: Implications for the rational design of self-inhibitory phosphopeptides to target hyperphosphorylation signaling in Alzheimer's Disease. <i>Amino Acids</i> ,	3.5	
33	Allosteric regulation of GRB2 modulates RAS activation. <i>Small GTPases</i> , 2022 , 13, 282-286	2.7	0
32	The Androgen Receptor and Its Crosstalk With the Src Kinase During Castrate-Resistant Prostate Cancer Progression. <i>Frontiers in Oncology</i> , 12,	5.3	1
31	MET meet adaptors: Functional and structural implications in downstream signalling mediated by the Met receptor. 2005 , 276, 149-157		1
30	Roads to Stat3 Paved with Cadherins. 2022 , 11, 2537		0
29	High-throughput profiling of sequence recognition by tyrosine kinases and SH2 domains using bacterial peptide display.		0
28	The explorations of dynamic interactions of paxillin at the focal adhesions. 2022 , 1870, 140825		
27	A comprehensive review of SHP2 and its role in cancer.		1
26	Boronic Acid: A Novel Pharmacophore Targeting Src Homology 2 (SH2) Domain of STAT3.		0
25	Protein Tyrosine Kinase 6 regulates activation of SRC kinase. 2022 , 102584		0
24	B cell linker protein (BLNK) is a regulator of Met receptor signaling and trafficking in non-small cell lung cancer. 2022 , 105419		1
23	Src Family Kinases Facilitate the Crosstalk between CGRP and Cytokines in Sensitizing Trigeminal Ganglion via Transmitting CGRP Receptor/PKA Pathway. 2022 , 11, 3498		2

22	SH2 Domains: Folding, Binding and Therapeutical Approaches. 2022 , 23, 15944	0
21	Signaling Through the EBV/C3d Receptor (CR2, CD21) in Human B Lymphocytes: Activation of Phosphatidylinositol 3-Kinase via a CD19-Independent Pathway. 1999 , 162, 136-143	7
20	The Amino-Terminal Src Homology 2 Domain of Phospholipase C β Is Essential for TCR-Induced Tyrosine Phosphorylation of Phospholipase C β . 1998 , 160, 1059-1066	15
19	Asymmetrical Phosphorylation and Function of Immunoreceptor Tyrosine-Based Activation Motif Tyrosines in B Cell Antigen Receptor Signal Transduction. 1998 , 160, 3305-3314	12
18	Phosphatidylinositol 3?-Kinase and SH2-Containing Inositol Phosphatase (SHIP) Are Recruited by Distinct Positive and Negative Growth-Regulatory Domains in the Granulocyte Colony-Stimulating Factor Receptor. 1998 , 160, 4979-4987	14
17	The Murine IL-13 Receptor β : Molecular Cloning, Characterization, and Comparison with Murine IL-13 Receptor α . 1998 , 161, 2317-2324	74
16	Cutting Edge: BASH, A Novel Signaling Molecule Preferentially Expressed in B Cells of the Bursa of Fabricius. 1998 , 161, 5804-5808	22
15	Regulation of Cytotoxic T Lymphocyte-Associated Molecule-4 by Src Kinases. 1999 , 162, 1270-1277	26
14	The SH2-Containing 5?-Inositol Phosphatase (SHIP) Is Tyrosine Phosphorylated after Fc γ Receptor Clustering in Monocytes. 1999 , 162, 6458-6465	6
13	A New Role for Platelet-Endothelial Cell Adhesion Molecule-1 (CD31): Inhibition of TCR-Mediated Signal Transduction. 1999 , 163, 682-688	20
12	Lad, an Adapter Protein Interacting with the SH2 Domain of p56lck, Is Required for T Cell Activation. 1999 , 163, 5242-5249	14
11	Syk Activation Initiates Downstream Signaling Events During Human Polymorphonuclear Leukocyte Phagocytosis. 1999 , 163, 6785-6793	25
10	A novel peptide that disrupts the Lck-IP3R protein-protein interaction induces widespread cell death in leukemia and lymphoma.	0
9	Automated Enrichment of Phosphotyrosine Peptides for High-Throughput Proteomics.	0
8	Protein three-dimensional structure and drug design: some examples from intracellular components of the signal transduction pathway. 1995 , 30, 605s-620s	0
7	IQGAP1 Is a Phosphotyrosine-Regulated Scaffold for SH2-Containing Proteins. 2023 , 12, 483	0
6	Site-Specific Phosphorylation of RTK KIT Kinase Insert Domain: Interactome Landscape Perspectives. 2023 , 1, 39-71	0
5	GRB2 dimerization mediated by SH2 domain-swapping is critical for T cell signaling and cytokine production. 2023 , 13,	0

- 4 High-throughput profiling of sequence recognition by tyrosine kinases and SH2 domains using bacterial peptide display. 12,
- 3 Toward high-throughput engineering techniques for improving CAR intracellular signaling domains. 11,
- 2 Setting sail: Maneuvering SHP2 activity and its effects in cancer. 2023,
- 1 In silico analysis of the possible crosstalk between O-linked EGlcNAcylation and phosphorylation sites of Disabled 1 adaptor protein in vertebrates.