

Reference list

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References

Listed numerically by reference number

1. Voloshin, O.N., et al., *A model for the abrogation of the SOS response by an SOS protein: a negatively charged helix in DinI mimics DNA in its interaction with RecA*. *Genes Dev*, 2001. 15(4): p. 415-27.
2. Stoll, R., et al., *Chalcone derivatives antagonize interactions between the human oncoprotein MDM2 and p53*. *Biochemistry*, 2001. 40(2): p. 336-44.
3. Preusser, A., et al., *Direct in vitro binding of full-length human immunodeficiency virus type 1 nef protein to cd4 cytoplasmic domain*. *J Virol*, 2001. 75(8): p. 3960-4.
4. Loughheed, J.C., et al., *Structure of melanoma inhibitory activity protein, a member of a recently identified family of secreted proteins*. *Proc Natl Acad Sci U S A*, 2001. 98(10): p. 5515-20.
5. Li, N., et al., *Solution structure of the transcriptional activation domain of the bacteriophage t4 protein, mota(,)*. *Biochemistry*, 2001. 40(14): p. 4293-302.
6. Komorowski, L. and G. Schafer, *Sulfocyanin and subunit II, two copper proteins with novel features, provide new insight into the archaeal SoxM oxidase supercomplex*. *FEBS Lett*, 2001. 487(3): p. 351-5.
7. Henn, A., et al., *Visualization of unwinding activity of duplex RNA by DbpA, a DEAD box helicase, at single-molecule resolution by atomic force microscopy*. *Proc Natl Acad Sci U S A*, 2001. 98(9): p. 5007-12.
8. Eicken, C., et al., *Crystal structure of Lyme disease antigen outer surface protein C from Borrelia burgdorferi*. *J Biol Chem*, 2001. 276(13): p. 10010-5.
9. De Vendittis, E., et al., *Phenylmethanesulfonyl fluoride inactivates an archaeal superoxide dismutase by chemical modification of a specific tyrosine residue Cloning, sequencing and expression of the gene coding for Sulfolobus solfataricus superoxide dismutase*. *Eur J Biochem*, 2001. 268(6): p. 1794-801.
10. Couture, M.M., et al., *Characterization of BphF, a Rieske-type ferredoxin with a low reduction potential*. *Biochemistry*, 2001. 40(1): p. 84-92.
11. Berot, S., et al., *Ultrafiltration to fractionate wheat polypeptides*. *J Chromatogr B Biomed Sci Appl*, 2001. 753(1): p. 29-35.
12. Zvi, A., et al., *A model of a gp120 V3 peptide in complex with an HIV-neutralizing antibody based on NMR and mutant cycle-derived constraints*. *Eur J Biochem*, 2000. 267(3): p. 767-79.
13. Zhang, Q.M., et al., *Identification of repair enzymes for 5-formyluracil in DNA. Nth, Nei, and MutM proteins of Escherichia coli*. *J Biol Chem*, 2000. 275(45): p. 35471-7.
14. Yamada, M., et al., *Pressure regulation of soluble cytochromes c in a deep-Sea piezophilic bacterium, Shewanella violacea*. *J Bacteriol*, 2000. 182(10): p. 2945-52.
15. Vartiainen, M., et al., *Mouse A6/twinfilin is an actin monomer-binding protein that localizes to the regions of rapid actin dynamics*. *Mol Cell Biol*, 2000. 20(5): p. 1772-83.
16. van Tilborg, M.A., et al., *Mutations in the glucocorticoid receptor DNA-binding domain mimic an allosteric effect of DNA*. *J Mol Biol*, 2000. 301(4): p. 947-58.
17. Walther-Rasmussen, J. and N. Hoiby, *Hydrophobic character of surface regions and total hydrophobicity of four variants of chromosomal class C beta-lactamase from Pseudomonas aeruginosa are identical. Chromatographic comparison of the hydrophobic character of the variants and the effect of focusing buffer composition on the separation of the variants by chromatofocusing with internal and external pH gradients*. *J Chromatogr B Biomed Sci Appl*, 2000. 746(2): p. 161-72.
18. Tomei, L., et al., *Biochemical characterization of a hepatitis C virus RNA-dependent RNA polymerase mutant lacking the C-terminal hydrophobic sequence*. *J Gen Virol*, 2000. 81(3): p. 759-67.
19. Thwin, M.M., et al., *Recombinant antitoxic and antiinflammatory factor from the nonvenomous snake Python reticulatus: phospholipase A2 inhibition and venom neutralizing potential*. *Biochemistry*, 2000. 39(31): p. 9604-11.
20. Stark, H., et al., *Large-scale movement of elongation factor G and extensive conformational change of the ribosome during translocation*. *Cell*, 2000. 100(3): p. 301-9.
21. Sprules, T., et al., *Conformational changes in the PBX homeodomain and C-terminal extension upon binding DNA and HOX-derived YPWM peptides*. *Biochemistry*, 2000. 39(32): p. 9943-50.
22. Schindler, T., et al., *Structural Mechanism for STI-571 Inhibition of Abelson Tyrosine Kinase*. *Science*, 2000. 289(5486): p. 1938-1942.
23. Sarno, S., et al., *Cooperative modulation of protein kinase CK2 by separate domains of its regulatory beta-subunit*. *Biochemistry*, 2000. 39(40): p. 12324-9.

24. Pesce, A., et al., *Functional and crystallographic characterization of Salmonella typhimurium Cu,Zn superoxide dismutase coded by the sodCI virulence gene.* J Mol Biol, 2000. 302(2): p. 465-78.
25. Ozawa, K., et al., *Expression of a tetraheme protein, Desulfovibrio vulgaris Miyazaki F cytochrome c(3), in Shewanella oneidensis MR-1.* Appl Environ Microbiol, 2000. 66(9): p. 4168-71.
26. Ohtsubo, T., et al., *Identification of human MutY homolog (hMYH) as a repair enzyme for 2-hydroxyadenine in DNA and detection of multiple forms of hMYH located in nuclei and mitochondria.* Nucleic Acids Res, 2000. 28(6): p. 1355-64.
27. Mueller, U., et al., *Thermal stability and atomic-resolution crystal structure of the Bacillus caldolyticus cold shock protein.* J Mol Biol, 2000. 297(4): p. 975-88.
28. Mouyna, I., et al., *Glycosylphosphatidylinositol-anchored glucanosyltransferases play an active role in the biosynthesis of the fungal cell wall.* J Biol Chem, 2000. 275(20): p. 14882-9.
29. Masullo, M., et al., *Psychrophilic elongation factor Tu from the antarctic Moraxella sp. Tac II 25: biochemical characterization and cloning of the encoding gene.* Biochemistry, 2000. 39(50): p. 15531-9.
30. Madden, D.R., et al., *Large-scale expression and thermodynamic characterization of a glutamate receptor agonist-binding domain.* Eur J Biochem, 2000. 267(13): p. 4281-9.
31. Klink, T.A., et al., *Contribution of disulfide bonds to the conformational stability and catalytic activity of ribonuclease A.* Eur J Biochem, 2000. 267(2): p. 566-72.
32. Klink, T.A. and R.T. Raines, *Conformational stability is a determinant of ribonuclease A cytotoxicity.* J Biol Chem, 2000. 275(23): p. 17463-7.
33. Ikemoto, M., et al., *Increased sensitivity to the stimulant effects of morphine conferred by anti-adhesive glycoprotein SPARC in amygdala.* Nat Med, 2000. 6(8): p. 910-5.
34. Hinshelwood, J. and S.J. Perkins, *Metal-dependent conformational changes in a recombinant vWF-A domain from human factor B: a solution study by circular dichroism, fourier transform infrared and (1)H NMR spectroscopy.* J Mol Biol, 2000. 298(1): p. 135-47.
35. Hinshelwood, J. and S.J. Perkins, *Conformational changes during the assembly of factor B from its domains by (1)H NMR spectroscopy and molecular modelling: their relevance to the regulation of factor B activity.* J Mol Biol, 2000. 301(5): p. 1267-85.
36. Hanes, J., et al., *Picomolar affinity antibodies from a fully synthetic naive library selected and evolved by ribosome display.* Nat Biotechnol, 2000. 18(12): p. 1287-92.
37. Gao, G., et al., *Tissue inhibitor of metalloproteinases-1 undergoes microsecond to millisecond motions at sites of matrix metalloproteinase-induced fit.* J Mol Biol, 2000. 301(2): p. 537-52.
38. Durauer, A., et al., *Characterisation of the rubber elongation factor from ammoniated latex by electrophoresis and mass spectrometry.* J Chromatogr A, 2000. 890(1): p. 145-58.
39. Chrunyk, B.A., et al., *Inhibiting protein-protein interactions: a model for antagonist design.* Biochemistry, 2000. 39(24): p. 7092-9.
40. Cannio, R., et al., *A superoxide dismutase from the archaeon Sulfolobus solfataricus is an extracellular enzyme and prevents the deactivation by superoxide of cell-bound proteins.* Eur J Biochem, 2000. 267(1): p. 235-43.
41. Berjanskii, M.V., et al., *NMR structure of the N-terminal J domain of murine polyomavirus T antigens. Implications for DnaJ-like domains and for mutations of T antigens.* J Biol Chem, 2000. 275(46): p. 36094-103.
42. Ali, B.R., et al., *A microsomal GTPase is required for glycopeptide export from the mammalian endoplasmic reticulum.* J Biol Chem, 2000. 275(43): p. 33222-30.
43. Yang, B., et al., *SNARE interactions are not selective. Implications for membrane fusion specificity.* J Biol Chem, 1999. 274(9): p. 5649-53.
44. Williams, S.C., et al., *Production and functional activity of a recombinant von Willebrand factor-A domain from human complement factor B.* Biochem J, 1999. 342(3): p. 625-32.
45. Wang, R., R.M. Kini, and M.C. Chung, *Rhodocetin, a novel platelet aggregation inhibitor from the venom of Calloselasma rhodostoma (Malayan pit viper): synergistic and noncovalent interaction between its subunits.* Biochemistry, 1999. 38(23): p. 7584-93.
46. Walther-Rasmussen, J., A.H. Johnsen, and N. Hoiby, *Terminal truncations in amp C beta-lactamase from a clinical isolate of Pseudomonas aeruginosa.* Eur J Biochem, 1999. 263(2): p. 478-85.
47. Ursby, T., et al., *Iron superoxide dismutase from the archaeon Sulfolobus solfataricus: analysis of structure and thermostability.* J Mol Biol, 1999. 286(1): p. 189-205.
48. Topell, S., J. Hennecke, and R. Glockshuber, *Circularly permuted variants of the green fluorescent protein.* FEBS Lett, 1999. 457(2): p. 283-9.
49. Scholz, C., et al., *R73A and H144Q mutants of the yeast mitochondrial cyclophilin Cpr3 exhibit a low prolyl isomerase activity in both peptide and protein-folding assays.* FEBS Lett, 1999. 443(3): p. 367-9.
50. Schmidt, A., et al., *Endophilin I mediates synaptic vesicle formation by transfer of arachidonate to lysophosphatidic acid.* Nature, 1999. 401(6749): p. 133-41.

51. Schindler, T., et al., *Crystal structure of Hck in complex with a Src family-selective tyrosine kinase inhibitor*. Mol Cell, 1999. 3(5): p. 639-48.
52. Schindler, T., et al., *The family of cold shock proteins of Bacillus subtilis. Stability and dynamics in vitro and in vivo*. J Biol Chem, 1999. 274(6): p. 3407-13.
53. Sayers, Z., et al., *Biochemical and structural characterization of recombinant copper-metallothionein from Saccharomyces cerevisiae*. Eur J Biochem, 1999. 262(3): p. 858-65.
54. Sakamoto, T., et al., *An NMR analysis of ubiquitin recognition by yeast ubiquitin hydrolase: evidence for novel substrate recognition by a cysteine protease*. Biochemistry, 1999. 38(36): p. 11634-42.
55. Rodnina, M.V., et al., *Thiostrepton inhibits the turnover but not the GTPase of elongation factor G on the ribosome*. Proc Natl Acad Sci U S A, 1999. 96(17): p. 9586-90.
56. Raimo, G., M. Masullo, and V. Bocchini, *The interaction between the archaeal elongation factor 1alpha and its nucleotide exchange factor 1beta*. FEBS Lett, 1999. 451(2): p. 109-12.
57. Pedone, E., et al., *Prediction and experimental testing of Bacillus acidocaldarius thioredoxin stability*. Biochem J, 1999. 339(2): p. 309-17.
58. Nishioka, K., et al., *Expression and differential intracellular localization of two major forms of human 8-oxoguanine DNA glycosylase encoded by alternatively spliced OGG1 mRNAs*. Mol Biol Cell, 1999. 10(5): p. 1637-52.
59. Neely, L.S., et al., *Identification of a minimal domain of 5 S ribosomal RNA sufficient for high affinity interactions with the RNA-specific zinc fingers of transcription factor IIIA*. J Mol Biol, 1999. 291(3): p. 549-60.
60. Morris, M.C. and G. Divita, *Characterization of the interactions between human cdc25C, cdks, cyclins and cdk-cyclin complexes*. J Mol Biol, 1999. 286(2): p. 475-87.
61. Masaoka, A., et al., *Enzymatic repair of 5-formyluracil. I. Excision of 5-formyluracil site-specifically incorporated into oligonucleotide substrates by alkA protein (Escherichia coli 3-methyladenine DNA glycosylase II)*. J Biol Chem, 1999. 274(35): p. 25136-43.
62. Mansfeld, J., et al., *Probing the unfolding region in a thermolysin-like protease by site-specific immobilization*. Biochemistry, 1999. 38(26): p. 8240-5.
63. Main, E.R., K.F. Fulton, and S.E. Jackson, *Folding pathway of FKBP12 and characterisation of the transition state*. J Mol Biol, 1999. 291(2): p. 429-44.
64. Louis, J.M., S. Oroszlan, and J. Tozser, *Stabilization from autoproteolysis and kinetic characterization of the human T-cell leukemia virus type 1 proteinase*. J Biol Chem, 1999. 274(10): p. 6660-6.
65. Kumagai, T., et al., *Mutation of the N-terminal proline 9 of BLMA from Streptomyces verticillus abolishes the binding affinity for bleomycin*. FEBS Lett, 1999. 450(3): p. 227-30.
66. Kocken, C.H., et al., *High-level expression of Plasmodium vivax apical membrane antigen 1 (AMA-1) in Pichia pastoris: strong immunogenicity in Macaca mulatta immunized with P. vivax AMA-1 and adjuvant SBAS2*. Infect Immun, 1999. 67(1): p. 43-9.
67. Kobayashi, N., et al., *NMR analysis of the binding of a rhodanese peptide to a minichaperone in solution*. J Mol Biol, 1999. 292(1): p. 181-90.
68. Kim, S.Y., et al., *Purification of Mlc and analysis of its effects on the pts expression in Escherichia coli*. J Biol Chem, 1999. 274(36): p. 25398-402.
69. Jensen, P.H., et al., *Structure and interactions of NCAM modules 1 and 2, basic elements in neural cell adhesion*. Nat Struct Biol, 1999. 6(5): p. 486-93.
70. Jaron, S. and N.J. Blackburn, *Does superoxide channel between the copper centers in peptidylglycine monooxygenase? A new mechanism based on carbon monoxide reactivity*. Biochemistry, 1999. 38(46): p. 15086-96.
71. Huse, M., et al., *Crystal structure of the cytoplasmic domain of the type I TGF beta receptor in complex with FKBP12*. Cell, 1999. 96(3): p. 425-36.
72. Hinshelwood, J., et al., *Identification of the C3b binding site in a recombinant vWF-A domain of complement factor B by surface-enhanced laser desorption-ionisation affinity mass spectrometry and homology modelling: implications for the activity of factor B*. J Mol Biol, 1999. 294(2): p. 587-99.
73. Hershey, P.E., et al., *The Cap-binding protein eIF4E promotes folding of a functional domain of yeast translation initiation factor eIF4G1*. J Biol Chem, 1999. 274(30): p. 21297-304.
74. Hennecke, J., P. Sebbel, and R. Glockshuber, *Random circular permutation of DsbA reveals segments that are essential for protein folding and stability*. J Mol Biol, 1999. 286(4): p. 1197-215.
75. Hammond, G.G., et al., *Inhibition of IMP-1 metallo-beta-lactamase and sensitization of IMP-1-producing bacteria by thioester derivatives(dagger)*. FEMS Microbiol Lett, 1999. 179(2): p. 289-96.
76. Gonen, H., et al., *Identification of the ubiquitin carrier proteins, E2s, involved in signal-induced conjugation and subsequent degradation of IkappaBalpha*. J Biol Chem, 1999. 274(21): p. 14823-30.

77. Gielkens, M.M., et al., *Two cellobiohydrolase-encoding genes from Aspergillus niger require D-xylose and the xylanolytic transcriptional activator XlnR for their expression.* Appl Environ Microbiol, 1999. 65(10): p. 4340-5.
78. Gasmi, L., J.L. Cartwright, and A.G. McLennan, *Cloning, expression and characterization of YSA1H, a human adenosine 5'-diphosphosugar pyrophosphatase possessing a MutT motif.* Biochem J, 1999. 344(2): p. 331-7.
79. Fushimi, N., et al., *Aspzincin, a family of metalloendopeptidases with a new zinc-binding motif. Identification of new zinc-binding sites (His(128), His(132), and Asp(164)) and three catalytically crucial residues (Glu(129), Asp(143), and Tyr(106)) of deuterolysin from Aspergillus oryzae by site-directed mutagenesis.* J Biol Chem, 1999. 274(34): p. 24195-201.
80. Faller, P., et al., *Evidence for a dynamic structure of human neuronal growth inhibitory factor and for major rearrangements of its metal-thiolate clusters.* Biochemistry, 1999. 38(31): p. 10158-67.
81. Cross, A.R., R.W. Erickson, and J.T. Curnutte, *Simultaneous presence of p47(phox) and flavocytochrome b-245 are required for the activation of NADPH oxidase by anionic amphiphiles. Evidence for an intermediate state of oxidase activation.* J Biol Chem, 1999. 274(22): p. 15519-25.
82. Claude, A., et al., *GBF1: A novel Golgi-associated BFA-resistant guanine nucleotide exchange factor that displays specificity for ADP-ribosylation factor 5.* J Cell Biol, 1999. 146(1): p. 71-84.
83. Caputo, E., et al., *Biosynthesis and immunobiochemical characterization of gp17/GCDFP-15. A glycoprotein from seminal vesicles and from breast tumors, in HeLa cells and in Pichia pastoris yeast.* Eur J Biochem, 1999. 265(2): p. 664-70.
84. Blanco, F.J., I. Angrand, and L. Serrano, *Exploring the conformational properties of the sequence space between two proteins with different folds: an experimental study.* J Mol Biol, 1999. 285(2): p. 741-53.
85. Bishop, S.M., J.B. Ross, and R.A. Kohanski, *Autophosphorylation dependent destabilization of the insulin receptor kinase domain: tryptophan-1175 reports changes in the catalytic cleft.* Biochemistry, 1999. 38(10): p. 3079-89.
86. Battistuzzi, G., et al., *Redox chemistry and acid-base equilibria of mitochondrial plant cytochromes c.* Biochemistry, 1999. 38(17): p. 5553-62.
87. Wessel, P.M., et al., *A loop deletion in the plant acetohydroxy acid isomeroeductase homodimer generates an active monomer with reduced stability and altered magnesium affinity.* Biochemistry, 1998. 37(37): p. 12753-60.
88. Wang, Q.M., et al., *Enzymatic characterization of refolded human rhinovirus type 14 2A protease expressed in Escherichia coli.* J Virol, 1998. 72(2): p. 1683-7.
89. Wan, L., et al., *In vitro evolution of horse heart myoglobin to increase peroxidase activity.* Proc Natl Acad Sci U S A, 1998. 95(22): p. 12825-31.
90. Slupsky, C.M., et al., *Structure of the Ets-1 pointed domain and mitogen-activated protein kinase phosphorylation site.* Proc Natl Acad Sci U S A, 1998. 95(21): p. 12129-34.
91. Nakamura, S., et al., *Requirement of GM2 ganglioside activator for phospholipase D activation.* Proc Natl Acad Sci U S A, 1998. 95(21): p. 12249-53.
92. Ludemann, H., et al., *Trypanosoma brucei tryparedoxin, a thioredoxin-like protein in African trypanosomes.* FEBS Lett, 1998. 431(3): p. 381-5.
93. Lee, K.K., et al., *Purification, molecular cloning, and characterization of TRP32, a novel thioredoxin-related mammalian protein of 32 kDa.* J Biol Chem, 1998. 273(30): p. 19160-6.
94. Kontaxis, G., et al., *Structure and intramodular dynamics of the amino-terminal LIM domain from quail cysteine- and glycine-rich protein CRP2.* Biochemistry, 1998. 37(20): p. 7127-34.
95. Keightley, J.A., et al., *Cloning and expression in Escherichia coli of the cytochrome c552 gene from Thermus thermophilus HB8. Evidence for genetic linkage to an ATP-binding cassette protein and initial characterization of the cycA gene products.* J Biol Chem, 1998. 273(20): p. 12006-16.
96. Imagawa, K., et al., *Structure-function studies of human leptin.* J Biol Chem, 1998. 273(52): p. 35245-9.
97. Hernandez, M., et al., *Secretory phospholipase A2 activates the cascade of mitogen-activated protein kinases and cytosolic phospholipase A2 in the human astrocytoma cell line 1321N1.* J Biol Chem, 1998. 273(1): p. 606-12.
98. Hennig, L., et al., *Selective inactivation of parvulin-like peptidyl-prolyl cis/trans isomerases by juglone.* Biochemistry, 1998. 37(17): p. 5953-60.
99. Hennecke, J. and R. Glockshuber, *Conversion of a catalytic into a structural disulfide bond by circular permutation.* Biochemistry, 1998. 37(50): p. 17590-7.
100. Goudreau, P.N., P.J. Lee, and A.M. Stock, *Stabilization of the phospho-aspartyl residue in a two-component signal transduction system in Thermotoga maritima.* Biochemistry, 1998. 37(41): p. 14575-84.
101. Goode, B.L., D.G. Drubin, and P. Lappalainen, *Regulation of the cortical actin cytoskeleton in budding yeast by twinfilin, a ubiquitous actin monomer-sequestering protein.* J Cell Biol, 1998. 142(3): p. 723-33.

102. Gerards, W.L., et al., *The human proteasomal subunit HsC8 induces ring formation of other alpha-type subunits*. J Mol Biol, 1998. 275(1): p. 113-21.
103. Fisher, B.M., J.H. Ha, and R.T. Raines, *Coulombic forces in protein-RNA interactions: binding and cleavage by ribonuclease A and variants at Lys7, Arg10, and Lys66*. Biochemistry, 1998. 37(35): p. 12121-32.
104. Fischer, K., et al., *Urokinase induces proliferation of human ovarian cancer cells: characterization of structural elements required for growth factor function*. FEBS Lett, 1998. 438(1-2): p. 101-5.
105. Di Guilmi, A.M., et al., *Identification, purification, and characterization of transpeptidase and glycosyltransferase domains of Streptococcus pneumoniae penicillin-binding protein 1a*. J Bacteriol, 1998. 180(21): p. 5652-9.
106. Deguchi, T., et al., *Purification and characterization of a nylon-degrading enzyme*. Appl Environ Microbiol, 1998. 64(4): p. 1366-71.
107. Colangeli, R., et al., *Three-step purification of lipopolysaccharide-free, polyhistidine-tagged recombinant antigens of Mycobacterium tuberculosis*. J Chromatogr B Biomed Sci Appl, 1998. 714(2): p. 223-35.
108. Blanco, F.J., L. Serrano, and J.D. Forman-Kay, *High populations of non-native structures in the denatured state are compatible with the formation of the native folded state*. J Mol Biol, 1998. 284(4): p. 1153-64.
109. Backmann, J., et al., *Thermodynamics and kinetics of unfolding of the thermostable trimeric adenylate kinase from the archaeon Sulfolobus acidocaldarius*. J Mol Biol, 1998. 284(3): p. 817-33.
110. Arndt, K.M., K.M. Muller, and A. Pluckthun, *Factors influencing the dimer to monomer transition of an antibody single-chain Fv fragment*. Biochemistry, 1998. 37(37): p. 12918-26.
111. Akisue, T., et al., *Purification of a heat-stable activator protein for ADP-ribosylation factor-dependent phospholipase D*. FEBS Lett, 1998. 422(1): p. 108-12.
112. Tradler, T., et al., *Comparative mutational analysis of peptidyl prolyl cis/trans isomerases: active sites of Escherichia coli trigger factor and human FKBP12*. FEBS Lett, 1997. 407(2): p. 184-90.
113. Tachibanaki, S., et al., *Presence of two rhodopsin intermediates responsible for transducin activation*. Biochemistry, 1997. 36(46): p. 14173-80.
114. Swietnicki, W., et al., *pH-dependent stability and conformation of the recombinant human prion protein PrP(90-231)*. J Biol Chem, 1997. 272(44): p. 27517-20.
115. Sette, M., et al., *The structure of the translational initiation factor IF1 from E.coli contains an oligomer-binding motif*. Embo J, 1997. 16(6): p. 1436-43.
116. Reseland, J.E., et al., *A novel human chymotrypsin-like digestive enzyme*. J Biol Chem, 1997. 272(12): p. 8099-104.
117. Pini, A., et al., *Hierarchical affinity maturation of a phage library derived antibody for the selective removal of cytomegalovirus from plasma*. J Immunol Methods, 1997. 206(1-2): p. 171-82.
118. Pei, X.Y., et al., *The 2.0-A resolution crystal structure of a trimeric antibody fragment with noncognate VH-VL domain pairs shows a rearrangement of VH CDR3*. Proc Natl Acad Sci U S A, 1997. 94(18): p. 9637-42.
119. Nguyen, T. and T.C. Sudhof, *Binding properties of neuroligin 1 and neurexin 1beta reveal function as heterophilic cell adhesion molecules*. J Biol Chem, 1997. 272(41): p. 26032-9.
120. Newlon, M.G., et al., *The A-kinase anchoring domain of type IIalpha cAMP-dependent protein kinase is highly helical*. J Biol Chem, 1997. 272(38): p. 23637-44.
121. Muller, G., et al., *Leptin impairs metabolic actions of insulin in isolated rat adipocytes*. J Biol Chem, 1997. 272(16): p. 10585-93.
122. Mansfeld, J., et al., *Extreme stabilization of a thermolysin-like protease by an engineered disulfide bond*. J Biol Chem, 1997. 272(17): p. 11152-6.
123. Langer, B., D. Rother, and J. Reitey, *Identification of essential amino acids in phenylalanine ammonia-lyase by site-directed mutagenesis*. Biochemistry, 1997. 36(36): p. 10867-71.
124. Iwasaki, Y., et al., *Sequential cis/trans autophosphorylation in TrkB tyrosine kinase*. Biochemistry, 1997. 36(9): p. 2694-700.
125. Hottenrott, S., et al., *The Escherichia coli SlyD is a metal ion-regulated peptidyl-prolyl cis/trans-isomerase*. J Biol Chem, 1997. 272(25): p. 15697-701.
126. Hertel, S.C., et al., *Partial purification and characterization of a jasmonic acid conjugate cleaving amidohydrolase from the fungus Botryodiplodia theobromae*. FEBS Lett, 1997. 407(1): p. 105-10.
127. Gerards, W.L., et al., *The human alpha-type proteasomal subunit HsC8 forms a double ringlike structure, but does not assemble into proteasome-like particles with the beta-type subunits HsDelta or HsBPROS26*. J Biol Chem, 1997. 272(15): p. 10080-6.
128. Gassler, C.S., et al., *Probing the roles of active site residues in phosphatidylinositol-specific phospholipase C from Bacillus cereus by site-directed mutagenesis*. Biochemistry, 1997. 36(42): p. 12802-13.

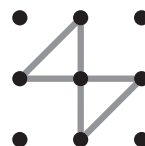
129. Foti, D., et al., *Spectroscopic characterization of recombinant Cu,Zn superoxide dismutase from Photobacterium leiognathi expressed in Escherichia coli: evidence for a novel catalytic copper binding site*. *Biochemistry*, 1997. 36(23): p. 7109-13.
130. de Benito, F.M., et al., *Isolation and partial characterization of a novel and uncommon two-chain 64-kDa ribosome-inactivating protein from the bark of elder (Sambucus nigra L.)*. *FEBS Lett*, 1997. 413(1): p. 85-91.
131. Cary, R.B., et al., *DNA looping by Ku and the DNA-dependent protein kinase*. *Proc Natl Acad Sci U S A*, 1997. 94(9): p. 4267-72.
132. Carmel, O., et al., *The Na⁺-specific interaction between the LysR-type regulator, NhaR, and the nhaA gene encoding the Na⁺/H⁺ antiporter of Escherichia coli*. *Embo J*, 1997. 16(19): p. 5922-9.
133. Brouwer, M., et al., *The paradigm that all oxygen-respiring eukaryotes have cytosolic CuZn-superoxide dismutase and that Mn-superoxide dismutase is localized to the mitochondria does not apply to a large group of marine arthropods*. *Biochemistry*, 1997. 36(43): p. 13381-8.
134. Bartolucci, S., et al., *Thioredoxin from Bacillus acidocaldarius: characterization, high-level expression in Escherichia coli and molecular modelling*. *Biochem J*, 1997. 328(Pt 1): p. 277-85.
135. Wyatt, J.R., P.W. Davis, and S.M. Freier, *Kinetics of G-quartet-mediated tetramer formation*. *Biochemistry*, 1996. 35(24): p. 8002-8.
136. Wondrak, E.M. and J.M. Louis, *Influence of flanking sequences on the dimer stability of human immunodeficiency virus type 1 protease*. *Biochemistry*, 1996. 35(39): p. 12957-62.
137. Wiech, H., et al., *Characterization of green alga, yeast, and human centrins. Specific subdomain features determine functional diversity*. *J Biol Chem*, 1996. 271(37): p. 22453-61.
138. Waegemann, K. and J. Soll, *Phosphorylation of the transit sequence of chloroplast precursor proteins*. *J Biol Chem*, 1996. 271(11): p. 6545-54.
139. Sundstrom, M., et al., *Crystal structure of an antagonist mutant of human growth hormone, G120R, in complex with its receptor at 2.9 Å resolution*. *J Biol Chem*, 1996. 271(50): p. 32197-203.
140. Rahfeld, J.U., et al., *Isolation and amino acid sequence of a new 22-kDa FKBP-like peptidyl-prolyl cis/trans-isomerase of Escherichia coli. Similarity to Mip-like proteins of pathogenic bacteria*. *J Biol Chem*, 1996. 271(36): p. 22130-8.
141. McLennan, A.G., E. Mayers, and D.G. Adams, *Anabaena flos-aquae and other cyanobacteria possess diadenosine 5',5''-P1,P4-tetraphosphate (Ap4A) phosphorylase activity*. *Biochem J*, 1996. 320(Pt 3): p. 795-800.
142. Luderer-Gmach, M., et al., *Human rhinovirus 2A proteinase mutant and its second-site revertants*. *Biochem J*, 1996. 318(Pt 1): p. 213-8.
143. Lee, C.H., et al., *Crystal structure of the conserved core of HIV-1 Nef complexed with a Src family SH3 domain*. *Cell*, 1996. 85(6): p. 931-42.
144. Hilbert, T.P., et al., *Purification of a mammalian homologue of Escherichia coli endonuclease III: identification of a bovine pyrimidine hydrate-thymine glycol DNase/AP lyase by irreversible cross linking to a thymine glycol-containing oligoxynucleotide*. *Biochemistry*, 1996. 35(8): p. 2505-11.
145. Gothel, S.F., M. Herrler, and M.A. Marahiel, *Peptidyl-prolyl cis-trans isomerase of Bacillus subtilis: identification of residues involved in cyclosporin A affinity and catalytic efficiency*. *Biochemistry*, 1996. 35(11): p. 3636-40.
146. Gonen, H., et al., *Isolation, characterization, and partial purification of a novel ubiquitin-protein ligase, E3. Targeting of protein substrates via multiple and distinct recognition signals and conjugating enzymes*. *J Biol Chem*, 1996. 271(1): p. 302-10.
147. Geier, B.M., H. Wiech, and E. Schiebel, *Binding of centrins and yeast calmodulin to synthetic peptides corresponding to binding sites in the spindle pole body components Kar1p and Spc110p*. *J Biol Chem*, 1996. 271(45): p. 28366-74.
148. Gazarian, I.G., et al., *Anionic tobacco peroxidase is active at extremely low pH: veratryl alcohol oxidation with a pH optimum of 1.8*. *Biochem J*, 1996. 320(Pt 2): p. 369-72.
149. De Francesco, R., et al., *A zinc binding site in viral serine proteinases*. *Biochemistry*, 1996. 35(41): p. 13282-7.
150. Battistoni, A., et al., *The Cu,Zn superoxide dismutase from Escherichia coli retains monomeric structure at high protein concentration. Evidence for altered subunit interaction in all the bacteriocupreins*. *Biochem J*, 1996. 320(Pt 3): p. 713-6.
151. Orian, A., et al., *Ubiquitin-mediated processing of NF-kappa B transcriptional activator precursor p105. Reconstitution of a cell-free system and identification of the ubiquitin-carrier protein, E2, and a novel ubiquitin-protein ligase, E3, involved in conjugation*. *J Biol Chem*, 1995. 270(37): p. 21707-14.
152. McLennan, A.G., et al., *Lanterns of the firefly Photinus pyralis contain abundant diadenosine 5',5''-P1,P4-tetraphosphate pyrophosphohydrolase activity*. *J Biol Chem*, 1995. 270(8): p. 3706-9.

153. Laboissiere, M.C., S.L. Sturley, and R.T. Raines, *The essential function of protein-disulfide isomerase is to unscramble non-native disulfide bonds*. J Biol Chem, 1995. 270(47): p. 28006-9.
154. Kim, J.S., et al., *Structural basis for the biological activities of bovine seminal ribonuclease*. J Biol Chem, 1995. 270(18): p. 10525-30.
155. Guagliardi, A., et al., *The purification, cloning, and high level expression of a glutaredoxin-like protein from the hyperthermophilic archaeon Pyrococcus furiosus*. J Biol Chem, 1995. 270(11): p. 5748-55.

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