Supplementary Data 5

Sequence alignment of chicken, human, and mouse SLP-65 performed by Multalin ("Multiple sequence alignment with hierarchical clustering" F. CORPET, 1988, Nucl. Acids Res., 16 (22), 10881-10890).

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              1         10        20        30        40        50        60        70        80        90        100       110       120       130
              |--------+---------+---------+---------+---------+---------+---------+---------+---------+---------+---------+---------+---------+
chickenSLP-65 MDKLNKLAVPAGEKFRKLQKMVHDIKKNESGIINKFKKFQNEQVALICKTGKDTWDRLKKKPPPSLPRRDYASEHADNEEEQWSDDFDSDYENPDGHSDSEMYYVPSEENPDDSYEPPPSEQEKKKIPSS
humanSLP-65   MDKLNKITVPASQKLRQLQKMVHDIKNNEGGIMNKIKK--------------------LKVKAPPSYPRRDYASESPADEEEQWSDDFDSDYENPDEHSDSEMYVMPAEENADDSYEPPPVEQETRPVHPA
mouseSLP-65   MDKLNKITVPASQKLRQLQKMVHDIKNNEGGIMDKIKK--------------------LKVKGPPSYPRRDYALDSPADEEEQWSDDFDSDYENPDEHSDSEMYVMPAEETGDDSYEPPPAEQQTRVVHPA
Consensus     MDKLNKitVPAs#KlRqLQKMVHDIKnNEgGIm#KiKK..................LKvK.PPSvPRRDYAs#spa#EEEQWSDDFDSDYENPDeHSDSEMYVmPaEEn.DDSYEPPP.EQ#tr.!hpa

              131       140       150       160       170       180       190       200       210       220       230       240       250       260
              |--------+---------+---------+---------+---------+---------+---------+---------+---------+---------+---------+---------+---------+
chickenSLP-65 FPISRGEYADNRTSHHQLPPINKPLPSTPSSALPRPKKPS-LPSPAA--KPKLPLKPRECSDDEDNYIVPVDNDDDNYIEPTESSTPPPAKPPVNRFMKPPAKSALPTPPKPSLASDMQEVYEVPEEEEE
humanSLP-65   LPFARGEYIDNRSSQRHSPPFSKTLPSKPSWPSEKARLTSTLPALTALQKPQVPPKPKGLLEDEADYVVPVEDNDENYIHPTESSSPPPEKAPM------------------------------------
mouseSLP-65   LPFTRGEYVDNRSSQRHSPPFSKTLPSKPSWPSAKARLASTLPAPNSLQKPQVPPKPKDLLEDEADYVVPVEDNDENYIHPRESSPPPAEKAPM------------------------------------
Consensus     lPf.RGEY.DNRsSqrhsPPfsKtLPSkPSwps.karl.StLPap.alqKPqvPpKPk.ll#DEa#Y!VPV###D#NYIhPtESS.PPpeKaPm...................................

              261       270       280       290       300       310       320       330       340       350       360       370       380       390
              |--------+---------+---------+---------+---------+---------+---------+---------+---------+---------+---------+---------+---------+
chickenSLP-65 LSPPPVTRFTKPLPATRAQNAEHSHMHSMTRESPKLDASRNILPLPRNRLHPKTDHEANNNDENHSFSNTQESKFPPGAAPSPLPRALKKTSNAVNPAKPCLPSRDTFTVNEDKPTAADRRRGSSH--EF
humanSLP-65   -----VNRSTKPNSSTP-ASP------------PGTASGRN-------------------------SGAWETKSPPPAAPSPLPRAGKKPTTPLKTT-PVASQQNASSVCEEKPIPAERHRGSSHRQEA
mouseSLP-65   -----VNRSTKPNSSSKHMSP------------PGTYAGRN-------------------------SGVWDSKSSLPAAPSPLPRAGKKPATPLKTT-PVPPLPNASNVCEEKPVPAERHRGSSHRQDT
Consensus     .....VnRsTKPnsst...sp............Pgt.agRN..........................Sg.w#sKsppPAAPSPLPRAgKKp.tplktt.Pv.p..#as.VcE#KP.pA#RhRGSSHrq#.

              391       400       410       420       430       440       450       460       470       480       490       500       510       520
              |--------+---------+---------+---------+---------+---------+---------+---------+---------+---------+---------+---------+---------+
chickenSLP-65 PLPPLPSGTPKSSLQKPLVLPKVPEAPSRALGTSPHSSISSISSTADQDAGVHSKAWYAATCDRKTAEDALYRSNKDGSFLIRKSSGQDSRQPYTLVVFYNRRVYNIPIRFIESTRQYALGREKCGEERF
humanSLP-65   VQSPVFPPAQKQIHQKPIPLPRFTEGGNPTVD-GPLPSFSSNSTISEQEAGVLCKPWYAGACDRKSAEEALHRSNKDGSFLIRKSSGHDSKQPYTLVYFFNKRVYNIPVRFIEATKQYALGRKKNGEEYF
mouseSLP-65   VQSPVFPPTQKPVHQKPVPLPRFPEAGSPAAD-GPFHSFPFNSTFADQEAELLGKPWYAGACDRKSAEEALHRSNKDGSFLIRKSSGHDSKQPYTLVAFFNKRVYNIPVRFIEARKQYALGKKKNGEEYF
Consensus     vqsPvfppt.qK..hQKP.pLPrfpEagspa.d.gP..SfssnSt.a#Q#Agvl.KpWYAgaCDRKsAE#ALhRSNKDGSFLIRKSSGhDSkQPYTLVvF%NkRVYNIP!RFIEaTkQYALGrkKnGEEyF

              521       530       540       550       557
              |--------+---------+---------+---------+------|
chickenSLP-65 DSVAEIVENHQHTSLVLIDSQNNTKDSTKLKYIVRVS
humanSLP-65   GSVAEIIRNHQHSPLVLIDSQNNTKDSTRLKYAVKVS
mouseSLP-65   GSVYEIVNSHQHNPLVLIDSQNNTKDSTRLKYAVKVS
Consensus     gSVaEI!.nHQH.pLVLIDSQNNTKDSTrLKYaVkVS
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