



Innovative Peptide Solutions

PepMix™ HIV (NEF) Ultra

Annotations - PepMix™ HIV (NEF) Ultra

HIV-1 NEF, average coverage: 51%

All sequences are based on the HIV sequence database of the Los Alamos National Laboratory.
<http://www.hiv.lanl.gov/content/sequence/NEWALIGN/align.html>

Protein sequences (# 1) covered by at least 90%

B.US.85.D8511.U16875

Protein sequences (# 2) covered by at least 85%

B.US.x.L8185.DQ886036, B.AU.x.LTS_26E.AF219714

Protein sequences (# 15) covered by at least 80%

B.US.x.1314_9.FJ798414, B.US.x.13BP_1026N.AY786773, B.US.x.CR0192W.FJ469704,
B.KR.95.95HJH12_1181rs.DQ121881, B.ES.x.847.AF082368, B.PT.06.TX57.GU017602,
B.US.94.5082_94.AY835773, B.JP.95.nef<3>_a.AB034258, C.ZA.04.04ZASK175B1.DQ164129,
B.PT.06.TX34.GU017596, B.GB.94.057dr_94_1_SP.AF129356, B.US.04.F7165.FJ469732,
B.CH.x.5122_at.HM244509, B.US.88.WR27.AF286365, B.US.x.AC184_WK8.DQ996267

Protein sequences (# 64) covered by at least 75%

B.ES.01.4.AY444317, B.US.x.26_clone1.EU327445, B.US.x.E1.U16898, B.US.x.SH8229.FJ469769,
B.FR.x.10001.AY856773, B.ES.01.12.AY444312, B.AR.02.02AR114146.DQ383746,
28_BF.BR.99.BREPM12609.DQ085873, B.NL.86.H434_8_A3.AY970946,
B.US.84.5019_84.AY835779, B.CA.x.BCCFE_NEF536.DQ484602, B.US.04.014837G.FJ469684,
B.US.x.N4549TOB8U.GQ372562, C.ZA.00.1069MB.AY838567, C.ZA.00.1162MB.AY463224,
B.AU.x.LTS_42A.AF219761, BF1.BR.99.BREPM11884.DQ085868, B.TH.96.M140.DQ354112,
B.US.x.BEC55.GU046585, B.PT.06.TX27.GU017593, B.DE.x.patient_7.AY905394,
B.PT.x.nefNTM1_1.AY739040, B.US.x.P1534TOB8U.GQ372605,
B.CA.x.BCCFE_NEF508.DQ484574, B.NL.86.3202A21.U34604, C.ZM.96.96ZM651.AF286224,
B.AU.x.LTS_2F.AF219690, B.IT.x.SP2_1.AY116831, B.CA.x.BCCFE_NEF653.DQ484719,
B.US.03.L8107.FJ469739, B.UA.01.01UAKV259.DQ823364, B.US.x.patient.U26119,
B.TH.96.M145.DQ354118, B.US.x.T0548TOB8U.GQ372695, B.GB.94.037bs_94_2_NP.AF129350,
BF.AR.99.A063.AF408628, B.US.x.03C09.AF252925, B.GB.94.112cr_94_2_NP.AF129364,
B.ES.01.19.AY444311, B.US.x.R8599TOB8U.GQ372664, 29_BF.BR.99.99UFRJ_1.AY455778,
B.CH.x.5319_10.HM244584, B.US.03.AT01480.FJ469686, B.AU.87.MBC925.AF042101,
B.CA.x.BCCFE_NEF854.DQ484920, B.US.85.Ba_L.AB221005, B.ES.x.799.AF082377,
C.ZA.03.03ZAPS048MB1.DQ396364, C.ZA.04.04ZASK190B1.DQ056409,
B.US.03.PRLS12.FJ469759, B.AU.95.C92.AF538307, B.US.83.SP4_1_83.AF203141,
C.ZA.00.1214MB.AY463236, B.US.x.BEC65.GU046590, C.ZA.03.03ZAPS044MB1.DQ396384,
B.CA.x.BCCFE_NEF527.DQ484593, C.ZA.x.ZADU457.AF397543,
B.GB.94.065rk_94_1_NP.AF129357, B.AU.x.LTS_48E.AF219770, B.AU.x.LTS_RMa.AF219851,
C.ZA.99.ZAB399.AF397550, B.BR.03.BREPM1023.EF637057, B.US.x.P9549TOB8U.GQ372623,
B.TH.96.M041.DQ354114

Protein sequences (# 134) covered by at least 70%

B.US.x.P9549TOB8U.GQ372623, B.TH.96.M041.DQ354114, B.CA.x.BCCFE_NEF583.DQ484649,
B.CH.x.6230_at.HM244639, B.US.86.AD87.AF004394, 28_BF.BR.99.BREPM12817.DQ085874,
B.PT.x.PT5247.AJ850907, B.RU.04.04RU128005.AY682547, B.GB.94.098ms_94_1_SP.AF129360,
B.US.84.SF33.AY352275, B.US.x.BRVA.M21098, B.US.91.SUMA_fIC5.FJ496145,
B.CU.99.Cu19.AY586542, BF1.BR.93.93BR029_4.AF005495, B.GB.95.164sz_95_1_RP.AF129378,
BF.UY.99.URTR17.AY037272, B.PT.x.PT9709.AJ850871, B.CA.x.BCCFE_NEF559.DQ484625,
B.CA.x.BCCFE_NEF1028.DQ485094, B.ES.x.642.AF082376, B.US.x.1229I.FJ469685,
B.FR.94.W8.AJ233009, B.AR.99.ARMA132.AY037282, B.US.x.J9572TOB8U.GQ372490,



Innovative Peptide Solutions

PepMix™ HIV (NEF) Ultra

B.BR.02.02BR011.DQ358809, C.IN.93.93IN999.AF067154, C.ZA.04.04ZAPS168B1.DQ164121, B.ES.01.18.AY444316, B.US.84.SP5_1_84.AF203145, BF1.BR.94.94BR_RJ_41.AY455781, B.CA.x.BCCFE_NEF24.DQ484090, B.GB.93.001gh_93_1_NP.AF129333, C.ZA.x.TM8C.DQ398987, B.PT.x.nefNTM14_5.DQ659701, B.CA.x.BCCFE_NEF667.DQ484733, B.US.x.25AbrHAD.AY701282, B.PT.x.nefNTM17_34.DQ659703, B.US.04.CR0080N.FJ469697, B.US.06.HTM385B7.GU562266, B.TH.90.BK132.AY173951, B.CA.x.BCCFE_NEF1012.DQ485078, BF1.BR.99.BREPM11931.DQ085869, C.ZA.04.04ZASK185B1.DQ011174, 46_BF.BR.07.07BR_FPS742.HM026457, B.CA.x.BCCFE_NEF765.DQ484831, B.US.02.PRLS16.FJ469760, B.US.x.X3522TOB8U.GQ372765, B.CA.97.CANB3FULL.AY779553, B.FR.95.MP32.AJ232962, C.ZA.03.03ZASK233B1.DQ351234, B.BR.02.02BR002.DQ358805, C.ZA.03.03ZAPS057MB2.DQ369989, B.US.98.ACT54869022A2.GU562001, B.US.02.L893P.FJ469749, B.DK.04.PMVL_018.EF514697, 01B.TH.96.M171.DQ354121, B.US.x.E1509TOB8U.GQ372385, B.ES.07.X2231.EU786680, B.JP.95.nef<13>_1.AB034279, B.GB.86.GB8_46R.AJ271445, B.CA.x.BCCFE_NEF1010.DQ485076, B.GB.93.DJ_93_1_NP.AF129386, B.US.07.CR0295S.FJ469716, B.US.x.BEC106.GU046601, B.US.98.WC3_0498_4.EF175212, B.GB.95.124pd_95_1.AF129367, B.US.88.5160_88.AY835763, BF.BR.94.94UFRJ_58.AY455785, B.CA.x.BCCFE_NEF577.DQ484643, B.GA.88.OYI.M26727, B.AU.x.LTS_5A.AF219771, B.GB.93.HS_93_1_RP.AF129390, B.KR.02.02JJS3.AY121455, B.US.97.1006_08.AY331284, B.BR.03.BREPM1024.EF637056, B.KR.01.01KCS2.AF462763, B.CA.x.BCCFE_NEF512.DQ484578, B.CA.x.BCCFE_NEF284.DQ484350, B.KR.03.03LHO2_434.AY899354, B.GB.93.PC_93_1_NP.AF129393, B.PT.x.nefC4_19.AY739036, B.CH.x.3477_at.HM244504, B.PT.x.PT1999.AJ850885, B.US.x.AC_59_41_Days_Seq1_fa.DQ127548, C.ZM.01.01ZM541217.DQ793067, C.ZA.03.03ZAPS042MB1.DQ369977, B.AU.x.LTS_70F.AF219818, C.ZA.00.00ZA615031.DQ793073, C.ZA.99.RB18.AF397562, B.FR.94.W52.AJ233045, B.JP.95.nef<4>_1.AB034263, B.CA.x.BCCFE_NEF36.DQ484102, B.US.83.SP13_1_83.AF203172, B.US.07.CR0275.FJ469713, BF1.BR.01.01BR323.DQ358804, B.US.x.X9542TOB8U.GQ372782, B.IT.x.15_IT.AF047081, C.ZA.03.03ZAPS043MB1.DQ351227, C.ZA.00.1228MB.AY463222, C.ZA.04.04ZASK208B1.DQ056406, B.US.05.L827.FJ469747, B.KR.93.93LKH6.AF462759, B.CN.07.HLJIN2.FJ423555, B.CA.x.BCCFE_NEF640.DQ484706, B.US.x.nef_1.EU410053, B.CH.x.3975_at.HM244653, B.CA.x.BCCFE_NEF1021.DQ485087, B.US.02.MTF.FJ469751, B.CA.x.BCCFE_NEF861.DQ484927, B.PT.x.nefNTM65_63.DQ659737, B.FR.x.11012_2.AY856776, A1.KE.86.ML013_10.AY322184, B.CA.00.CANA6FULL.AY779552, B.CN.03.16600.EF462999, B.CA.x.BCCFE_NEF42.DQ484108, B.US.x.R4517TOB8U.GQ372655, B.IT.x.13_IT.AF011482, C.ZA.03.03ZAPS059MB2.DQ445634, C.ZA.98.TV008.AY047291, C.FR.95.MP169.AJ232977, B.SE.x.17_SW.AF047083, B.US.88.patient3799_10.U24455, B.US.03.SH8233.FJ469770, BC.IN.99.NARI10_2.EU000516, B.US.07.SubjectDay221.GQ256631, B.US.85.S2_12_A.U03375, B.US.86.SP1_1_86.AF203126, B.IT.x.CONTROL_11_IT.AF011471, B.US.x.RR1.U16934, B.US.03.PRLS04.FJ469755, B.UA.01.01UAKV167.DQ823362, B.US.02.F797.FJ469737, B.US.90.90US_873.AY713412, B.GB.x.NEF5.X63044

Protein sequences (# 230) covered by at least 65%

B.CN.03.18600.EF463000, B.IT.x.11_IT.AF011477, B.US.x.B8526TOB8U.GQ372360, C.ZA.99.ZAB384.AF397549, B.KR.05.05LYI1_1830.DQ122095, B.US.95.5073_95.AY835768, B.IT.x.B_IT_R2.AF147734, BC.CN.07.HLJIN12.FJ423565, B.FR.95.MP53.AJ232963, B.US.01.L805.FJ469738, B.US.96.5155_96.AY835753, B.GB.96.127rg_96_1_SP.AF129368, B.CH.x.6129_40.HM244562, B.CH.x.5602_at.HM244615, B.KR.x.KU15_1.Z98032, C.ZA.04.04ZAPS189B1.DQ164117, C.ZW.01.01ZW536173.DQ793055, B.PT.06.TX9.GU017587, B.TH.x.28_19.U48917, B.GB.94.068jb_94_1_NP.AF129359, B.PT.06.TX60.GU017604, B.US.x.W0504TOB8U.GQ372735, 0206.GH.03.03GH195AG_06.AB286853, B.US.06.CR0361T.FJ469723, B.AU.95.C42.AF538305, C.ZA.05.CAP229_7w.GQ999985, B.JP.94.A_IV_3.AB012839, C.IN.00.SC851_1.AY262858, B.US.91.5048_91.AY835761, B.CA.x.BCCFE_NEF457.DQ484523, B.GB.93.012wm_93_1_NP.AF129340, B.US.x.D8520TOB8U.GQ372380, B.US.06.CH40E_fla1.FJ495818, B.US.x.04C11.AF252937, B.US.04.CR0116Y.FJ469698, B.GB.93.023pa_93_1_NP.AF129343, B.US.x.T3511TOB8U.GQ372702, B.US.97.1001_07.AY331282, B.BR.03.BREPM1032.EF637051, B.US.86.5018_86.AY835778, B.IT.x.14_IT.AF047080, B.KR.x.KU11.Z98029,



Innovative Peptide Solutions

PepMix™ HIV (NEF) Ultra

B.CA.x.896ND.AY701275, B.GB.06.MM50d60_NB5.HM586803,
C.ZA.03.03ZAPS124MB1.DQ369976, C.ZA.98.TV018.AY047290,
C.ZA.03.04ZAPS194MB1.DQ275650, B.US.x.P248A01.L15518, B.GE.98.98GEMZ003.DQ207943,
01B.TH.99.OUR2574.DQ354123, C.ZA.99.RB12.AF397560, B.US.x.LSS3.U16917,
B.BR.04.BREPM1066.FJ195090, B.CA.92.CANC2FULL.AY779559, B.ES.x.587.AF082363,
C.ZA.04.04ZAPS199B1.DQ164110, B.BR.04.BREPM1070.FJ195086,
B.US.10.ES72010PL9.HQ448783, B.AR.04.04AR151516.DQ383752, B.US.x.patient.U26098,
B.US.x.BEC74.GU046595, C.ZA.00.1170MB.AY463225, B.PT.x.nefNTM7_12.AY739047,
B.US.83.RP2_1_83.AF203108, B.US.x.BEC11.GU046570, B.BR.03.BREPM1028.EF637053,
B.CA.x.BCCFE_NEF749.DQ484815, 02D.CM.98.98CM9868.AY265065,
B.GB.95.165dh_95_1_RP.AF129379, B.JP.04.DR6175.AB480694, B.BR.05.BREPM1084.FJ195088,
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A1.KE.06.06KECst_019.FJ623478, C.ZA.00.1184MB.AY838566, B.CN.04.33100.EF463003,
C.BW.96.96BW01.AF110960, C.ZA.04.04ZAPS165MB1.DQ351221, B.US.00.ES1_20.EF363123,
B.US.x.G1514TOB8U.GQ372431, B.AU.x.LTS_34E.AF219734, B.IT.x.SP3_1.AY116843,
B.KR.94.94LSW12.AF462701, B.DE.86.D31.U43096, B.KR.03.03KJO_393.AY260788,
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B.US.x.E1530TOB8U.GQ372386, B.KR.03.03LGY12_NK2.DQ121984, B.US.x.NEF164B.L15483,
B.CA.x.BCCFE_NEF1011.DQ485077, B.JP.x.DR1712.AB604946, B.US.x.41_clone1.EU327439,
B.GB.95.168mb_95_1_RP.AF129382, B.CA.x.BCCFE_NEF1007.DQ485073, B.US.83.SF2.K02007,
B.CA.x.BCCFE_NEF517.DQ484583, C.ZA.02.PS_008M.AY838646,
B.CA.x.BCCFE_NEF1022.DQ485088, B.US.x.patient.U44465, B.GB.93.031da_93_1_SP.AF129348,
C.ZA.04.04ZASK132B1.DQ093594, B.CA.x.BCCFE_NEF648.DQ484714,
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C.ZA.99.99ZALT39.EU293447, 13_cpx.CM.04.04CM_632_28.DQ845387, B.US.86.YU_2.M93258,
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B.CA.x.BCCFE_NEF928.DQ484994, BF1.BR.02.02BR005.DQ358806,
B.PT.x.nefNTM12_3.DQ659700, C.ZA.05.CAP257_7w_F1.GQ999990, C.ZA.98.DU151.AY043173,
A.NL.x.M12653.AY887102, B.ES.01.2.AY444308, B.GB.94.MB_94_1_SP.AF129392,
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B.US.x.AC_16_0_Days_Consen_fa.DQ127537, B.IT.x.B_IT_L4.AF147731, B.IT.x.NP3_1.AY116714,
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B.GB.95.163ng_95_1_RP.AF129377, F2.CM.95.MP257.AJ232986, B.US.x.432_41.FJ798566,
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B.CA.x.BCCFE_NEF289.DQ484355, B.US.02.PRLS08.FJ469757, B.KR.93.93PKA10.AY121441,
B.PT.x.PTIHMT.AJ850913, BF1.IT.02.30638.GU595148, C.TZ.01.A207.AY253307,
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B.GB.05.MM48d22_NB1.HM586451, B.KR.02.02LSP11_228.AY221705,
B.US.04.HDNDRPI034A4.GU562155, B.PT.x.nefNTM8_14.AY739048, BC.CN.07.HLJIN4.FJ423557,
B.IN.x.IND_P35.Y15122, B.KR.05.05SS5_2099.DQ122115, 07_BC.CN.97.97CN001.AF286226,
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B.US.02.CR0058S.FJ469693, B.CA.x.BCCFE_NEF291.DQ484357, C.BW.00.00BW17956.AF443097,
BF1.IT.01.50610.GU595156, C.BW.99.99BW46424.AF443084, BF.BR.99.BREPM278.AY771593,
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B.DE.x.patient_2.AY905389, C.BW.00.00BW20361.AF443102, B.PT.x.PT7893.AJ850870,
C.BW.98.98BWMO36A5.AF443081, B.ES.x.601.AF082380, B.KR.96.PS7.AF063915,
B.US.04.ES4_24.EF363124, B.US.84.RP7_1_84.AF203111, B.US.05.CR0312W.FJ469718,



Innovative Peptide Solutions

PepMix™ HIV (NEF) Ultra

B.GB.94.046jm_94_1_NP.AF129353, B.US.x.AC192_WK6.DQ996259,
C.ZA.99.99ZALT45.EU293449, A1.KE.02.ML1990.EU110092, B.CA.x.BCCFE_NEF581.DQ484647,
C.ZA.99.ZADU156.AF397536, B.PT.x.PT7695a.AJ850909, B.KR.94.94JOE12_555.AY899359,
C.ZA.03.03ZAPS081MB1.DQ351219, C.ZA.04.04ZASK156B1.DQ011171,
C.ZM.89.ZAM18.AB485645, C.ZA.03.03ZAPS095MB1.DQ275652,
C.ZA.03.03ZASK084B1.AY901981, C.BW.96.96BW15B03.AF110973, C.ZA.x.TM6A.DQ398985,
B.AU.x.HCPI_08_01.GU367447, B.CA.x.BCCFE_NEF627.DQ484693,
B.US.x.B3506TOB8U.GQ372345, B.DE.x.3.AJ430669, B.NL.x.NEFA.M84627,
BF.ES.02.R140.AY536237, B.BR.02.02BR008.DQ358808, B.CA.x.BCCFE_NEF385.DQ484451,
B.FR.x.8003.AY856769, B.GB.93.003pw_93_1_SP.AF129335, C.ZA.99.ZAGG6.AF397559,
B.GB.x.MANC.U23487, B.US.87.HP87B1.U61833, C.CA.x.BCCFE_NEF760.DQ484826,
BC.MM.99.mIDU106.AB097869, B.CA.x.BCCFE_NEF1016.DQ485082, B.US.x.LM1.U16909

Protein sequences (# 296) covered by at least 60%

B.DE.x.3.AJ430669, B.NL.x.NEFA.M84627, BF.ES.02.R140.AY536237,
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B.US.87.HP87B1.U61833, C.CA.x.BCCFE_NEF760.DQ484826, BC.MM.99.mIDU106.AB097869,
B.CA.x.BCCFE_NEF1016.DQ485082, B.US.x.LM1.U16909, B.AR.98.ARCH054.AY037268,
B.GB.93.006dc_93_1_SP.AF129337, C.BW.00.00BW147127.AF443091,
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Protein sequences (# 414) covered by at least 55%

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B.YE.02.02YE508.AY795905, C.ZA.03.03ZAPS122MB1.DQ396370, B.CO.01.PCM013.AY561237, B.ES.01.9.AY444310, BF1.AR.05.05AR163052.DQ383755, B.PT.06.TX31.GU017594, A1.CH.x.5691_at.HM244665, B.US.02.PRLS09.FJ469758, C.ZA.04.04ZASK145B1.AY901976, B.AU.x.LTS_CS55I.AF219845, C.ZA.03.03ZAPS074MB2.DQ351228, A1.KE.06.06KECst_021.FJ623477, A1.TZ.01.A341.AY253314, B.IN.05.cal_133.DQ345417, A1.KE.06.06KECst_024.FJ623496, B.US.84.SP17_1_84.AF203183, B.US.x.Z3571TOB8U.GQ372812, A1.KE.06.06KECst_001.FJ623487, 02_AG.KR.00.00LKD9.AF462702, C.ZM.02.02ZMBC.AB254149, C.ZA.04.04ZAPS205B1.DQ093599, A1.KE.06.06KECst_013.FJ623485, B.US.x.PRLS05.FJ469756, B.CA.x.BCCFE_NEF514.DQ484580, B.CA.x.BCCFE_NEF853.DQ484919, B.JP.95.nef<17>_6.AB034295, BC.BR.01.01_BR_RGS69.GQ365652, B.US.x.CR0289Z.FJ469715, B.CH.x.6056_10.HM244554, B.CA.x.BCCFE_NEF652.DQ484718, B.AR.x.163641_B1.EU312170, B.KR.02.02JDH8_1008.DQ122045, B.CA.x.BCCFE_NEF732.DQ484798, C.ZA.99.TM18A.DQ398990, B.CH.x.6069_at.HM244632, C.IN.08.NII_GTB_IND_NefND1.FJ888484, C.ZA.02.RP6.DQ398980, C.ZA.03.SK023B2.AY772690, C.ZA.04.04ZASK136B1.DQ011177, C.ZA.04.SK143B1.AY703910, B.US.x.Q4533TOB8U.GQ372634, C.ZA.03.03ZAPS151MB1.DQ396392, B.ES.06.X1998.EU786676, C.ZA.00.1189MB.AY838565, B.AU.x.1062_1_NEF.U73370, B.US.x.patient.U26141, B.KR.00.00KJS3.AF462705, B.US.x.F6534TOB8U.GQ372421, C.ZA.03.SK116B1.AY772696, B.CA.x.BCCFE_NEF729.DQ484795, B.US.x.AC213_WK7.DQ996263, B.KR.97.97JJW2_4906_HP_2.FJ201791, B.AU.x.LTS_CS25A.AF219831, B.KR.03.03LGH2_370.AY260780, B.KR.96.96HSH8.AF462703, B.CA.x.BCCFE_NEF201.DQ484267, B.KR.99.99OSG2_141.AY221654, B.US.x.patient.U44468, B.CH.x.6193_at.HM244635, A1.UG.99.99UGA07072.AF484478, A1C.TZ.97.97TZ09.AF361879, 01_AE.TH.x.26_3.U48914, BF.BR.03.BREPM1029.EF637052, B.KR.02.02LYD1_NK14.DQ121963, B.US.x.S9546TOB8U.GQ372693, B.CA.x.BCCFE_NEF713.DQ484779, B.KR.05.05HPS5_2103.DQ122119, B.US.x.NEF166E.L15492, F1.BR.02.02BR082.FJ771006, B.GB.94.EP_94_1_SP.AF129387, B.CN.02.02HNsc11.DQ007903, A1C.KE.99.KNH1097.AF457064, C.ZA.00.00ZA615110.DQ793079, A1.UG.99.999_7NM.AY803450, C.ZA.04.04ZAPS177MB1.DQ396394, 01B.MY.06.06MMYKLD46.EF495062, C.BW.98.98BWMC122.AF443076, C.ZA.03.03ZAPS024MB1.DQ396367, C.FR.95.MP102.AJ232973, C.ZA.04.04ZASK160B1.DQ011173, B.ES.08.ES.GQ372988, A1.KE.06.06KECst_028.FJ623479, B.CA.x.BCCFE_NEF215.DQ484281, A1C.TZ.97.97TZ06.AF361876, B.GB.94.117ch_94_2_SP.AF129365, A1.UG.05.P0020_240105.EF186118, 02_AG.CM.01.01CM_0018ND.GU201494, B.CA.x.BCCFE_NEF552.DQ484618, B.DK.04.PMVL_049.EF514701, B.CA.x.BCCFE_NEF645.DQ484711, B.US.x.N2518TOB8U.GQ372559, BC.MM.99.mIDU103.AB097873, B.US.85.LTNP1_85.AF203194, C.ZA.04.04ZAPS206B1.DQ164126, B.AU.x.LTS_25F.AF219709, B.CA.x.BCCFE_NEF681.DQ484747, B.CA.x.BCCFE_NEF933.DQ484999, B.GB.93.011jr_93_4_NP.AF129339, B.IT.x.B_IT_L5.AF147732, A1D.UG.00.PP4_F2_A4.HM027850, 39_BF.BR.03.03BRRJ327.EU735536, B.KR.00.00HYH3.AF462707, B.US.x.HCPI_15_02.GU367455, B.CA.x.BCCFE_NEF296.DQ484362, C.ZA.98.TV010.AY047296, BF.AR.99.A025.AF408626, B.JP.x.JRC03B.AB565496, F1.BE.93.VI850.AF077336, B.DE.x.3.AJ430666, B.CA.x.BCCFE_NEF516.DQ484582, B.CA.x.BCCFE_NEF521.DQ484587, B.US.07.CR0027M.FJ469689, C.ZA.04.SK140B1.AY901973, B.KR.05.05UJC5_2128.DQ122112, B.CA.x.BCCFE_NEF50.DQ484116, D.UG.x.08RP.AF425877, B.US.x.G8598TOB8U.GQ372446, B.US.06.CR0047U.FJ469691, A1.KE.06.06KECst_009.FJ623480, A1.KE.06.06KECst_017.FJ623488, B.JP.00.#117.AB428551, B.KR.07.07KMK4_3356_HP_13.FJ201870, C.TZ.01.BD16_10.AY253320, B.JP.x.pJPDR0796B02.AB565478, C.ZA.01.01ZA616499.DQ793089, C.BR.97.BR97002.AF529687, C.ZA.00.1177M.AY838681, C.ZA.04.04ZASK193B1.DQ396396, C.ZM.03.ZM246F_fla10.FJ496186, C.ZA.99.ZAGG3.AF397556, C.ZA.02.02ZAPS015MB1.DQ369995, B.GB.x.Priso_1_RP.AF129394, C.ZA.98.TV004.AY047287, B.AU.04.MS2004_37_040.EF178338, A1G.KE.99.KNH1043.AF457062, C.ZA.03.03ZAPS067MB2.DQ396389, C.ZA.04.04ZASK181B1.AY878062, B.CH.x.6296_at.HM244563, B.US.98.98USHVTN941c1.AY560110, 21_A2D.KE.99.KSM4001.AF457072, 01_AE.TH.00.C1705.DQ789392, B.US.x.K6529TOB8U.GQ372501, B.KR.92.92CIS12.AF462764, B.US.x.patient.U44450, 0206.NE.00.NE36.AJ508597, C.IN.94.94IN11246.AF067159, B.US.x.HCPI_14_01.GU367449, B.CH.x.5492_at.HM244662, B.US.x.22_clone2.EU327404, B.CA.x.1523HAD.AY701263,



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PepMix™ HIV (NEF) Ultra

B.IT.x.5_IT.AF011492, B.KR.06.06CWS8_2832_HP_8.FJ201857, B.FR.94.P9.AJ233046,
C.IL.99.99ET7.AY255824, C.ZA.98.98ZA528.AY158535, CD.UG.05.MBA1043_200905.EF186186,
B.KR.96.PSE.AF063916, B.CH.x.6301_43.HM244566, C.NL.x.M11306.AY887103,
B.CH.x.5613_at.HM244618, B.CN.07.HLJIN1.FJ423554, B.US.x.K6570TOB8U.GQ372503,
B.US.x.AC99_WK8.DQ996265, A1.KR.03.03CDA10_906.DQ122025, B.FR.94.W44.AJ233043,
B.IT.x.NP5_1.AY116734, C.ZA.x.TM3.DQ398982, B.JP.04.DR5913.AB480696,
B.US.93.WCM32P0793.DQ487190, C.BW.98.98BWMO1410.AF443079,
B.TH.96.96TH_NP1538.AY713408, B.US.x.S9515TOB8U.GQ372691, B.US.x.BEC125.GU046603,
B.US.98.HDNDRPI001B10.GU562080, B.CA.x.BCCFE_NEF745.DQ484811,
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B.GB.94.048ad_94_1_NP.AF129354, B.US.x.X4525TOB8U.GQ372767, B.US.87.BC.L02317,
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B.CA.x.BCCFE_NEF954.DQ485020, B.US.x.E7529TOB8U.GQ372401,
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B.AU.x.LTS_30F.AF219725, B.US.x.L8146.DQ886034, B.AU.x.LTS_60A.AF219786,
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Protein sequences (# 453) covered by at least 50%

B.CH.x.5796_at.HM244541, 38_BF1.UY.04.UY04_4022.FJ213782, B.US.86.5096_86.AY835749,
B.US.x.G8500TOB8U.GQ372443, B.US.x.T9573TOB8U.GQ372716,



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12_BF.AR.99.ARMA159.AF385936, B.US.87.SP16_1_87.AF203180,
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B.CA.x.BCCFE_NEF222.DQ484288, C.BW.96.96BW17.AF110979, C.ZA.99.ZASW5.AF397572,
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C.ZA.03.03ZASK010B2.DQ164104, C.ZA.99.ZAGG2.AF397555, D.UG.x.13LTS.AF425895,
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B.CA.x.BCCFE_NEF396.DQ484462, B.DK.04.PMVL_012.EF514699,
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B.CA.x.BCCFE_NEF767.DQ484833, B.JP.95.nef<12>_4.AB034273, B.KR.01.01PPK4.AF462769,



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PepMix™ HIV (NEF) Ultra

B.AR.x.179751_B6.EU312173, B.TH.96.M081.DQ354116, 38_BF1.UY.03.UY03_3389.FJ213783,
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PepMix™ HIV (NEF) Ultra

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Protein sequences (# 408) covered by at least 45%

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PepMix™ HIV (NEF) Ultra

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PepMix™ HIV (NEF) Ultra

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Protein sequences (# 381) covered by at least 40%

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PepMix™ HIV (NEF) Ultra

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14_BG.PT.08.NTM17P.GU017578, B.KR.05.05KJW6_2142.DQ122111,
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B.DE.x.HEI28CS.X64748, B.US.87.SP12_4_87.AF203169, B.US.x.BEC63.GU046589,
B.CA.x.BCCFE_NEF117.DQ484183, B.GB.94.105as_94_1_RP.AF129363,
B.US.x.K7576TOB8U.GQ372506, B.AU.x.HCPI_11_01.GU367456, C.ZA.03.SK029B2.AY772691,
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B.US.x.R0579TOB8U.GQ372648, C.ZA.03.03ZASK117B1.DQ056408,
B.CA.x.BCCFE_NEF728.DQ484794, A.CD.97.97CD_KTB13.AM000054,
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02_AG.PT.08.NTM3P.GU017570, C.ZA.99.ZAB296.AF397546, D.UG.98.98UG57132.AF484506,



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D.UG.99.99UGE23438.AF484489, 14_BG.ES.00.X477.AF423759, A1.KE.00.KNH1207.AF457068, B.ZA.85.R84.FJ647145, B.NL.x.NEFD.M84630, B.GB.05.MM45d22_GN1.HM586210, B.KR.x.KU12.Z98030, B.US.x.HCPI_13_01.GU367461, 01_AE.CF.90.90CF4071.AF197341, 14_BG.PT.x.PT3162.AJ850872, 14_BG.PT.x.PT3331.AJ850887, B.US.x.BEC1.GU046566, B.US.x.M28.AF397201, B.CA.x.BCCFE_NEF370.DQ484436, B.CA.x.BCCFE_NEF556.DQ484622, 02_AG.CM.98.98CM1488.AY265098, B.PT.06.TX50.GU017600, 02_AG.SN.98.98SE_MP1213.AJ251057, 46_BF.BR.07.07BR_FPS625.HM026456, B.CA.x.BCCFE_NEF752.DQ484818, F1.PT.x.PT225.AJ850904, 02_AG.NG.01.PL0710.DQ168577, B.AR.04.04AR143170.DQ383750, C.ZA.99.99ZALT42.EU293448, G.ES.00.X558.AF423760, 02_AG.CM.97.CM52885.AF377954, B.KR.07.07JHJ4_3351_HP_6.FJ201841, A1.KE.06.06KECst_016.FJ623483, B.US.x.BEC57.GU046586, 01_AE.CN.05.Fj055.EF036527, B.US.05.04013396_0_file6.FJ496081, C.IN.05.cal_294.DQ345425, D.UG.05.P0166_250505.EF186129, B.US.x.109_17.FJ798391, 02_AG.GH.03.03GH184AG.AB286859, 02H.PT.x.PT1735.AJ850893, C.ZA.03.03ZASK104B1.DQ396395, 15_01B.TH.02.02TH_OUR1332.AF529573, 35_AD.AF.06.047H.GQ477443, B.RU.04.04RU139089.AY751407, 01_AE.CN.06.Fj061.EF036536, DG.PT.x.PT027.AJ850903, 02_AG.PT.x.PT727A.AJ850864, 27_cpx.FR.04.04CD_FR_KZS.AM851091, 17_BF.AR.02.AR02_ARG1139.EU581825, B.DE.x.patient_9.AY905396, C.BW.99.99BW47547.AF443086, G.CM.98.98CM1442.AY265108, C.IN.05.cal_263.DQ345420, U.KR.93.93JBj6_NK13.DQ121902, G.PT.x.nefC10_2.DQ659691, B.US.x.Q2524TOB8U.GQ372628, 09_cpx.SN.95.95SN1795.AY093603, 01B.MY.05.05MYKL043_1.DQ366666, B.US.x.O1502TOB8U.GQ372579, B.CA.x.021HAD.AY701256, B.CA.x.BCCFE_NEF631.DQ484697, B.GB.87.LT_87_1_1_RP.AF129391, D.UG.99.99UGA03349.AF484518, B.US.x.A3504TOB8U.GQ372325, B.FR.x.11005.AY856775, C.ZA.99.ZASW2.AF397569, G.CU.99.Cu85.AY586548, 31_BC.BR.02.110PA.EF091932, CD.KE.97.ML249.AY322187, C.ZA.03.03ZAPS054MB2.DQ369988, B.VE.x.LTNP4.EU432533, C.ZA.02.RP3.DQ398977, A1C.SE.96.SE9488.AF071474, 05_DF.BE.93.VI961.AF076998, 39_BF.BR.04.04BRRJ179.EU735535, B.US.x.K1573TOB8U.GQ372495, C.ZA.04.04ZASK161B1.DQ011170, BG.PT.x.nefNTM5_10.AY739045

Protein sequences (# 257) covered by at least 35%

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PepMix™ HIV (NEF) Ultra

33_01B.MY.05.05MYKL015_2.DQ366660, B.US.x.G7543TOB8U.GQ372442,
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B.US.x.BEC36.GU046576, C.BW.00.00BW07621.AF443088, A1C.IN.01.1579A.DQ083238,
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B.CA.x.BCCFE_NEF394.DQ484460, 02_AG.CM.98.98CM1508.AY265110, B.IT.x.NP1_1.AY116676,
B.CA.x.BCCFE_NEF735.DQ484801, 02_AG.CM.98.98CM1376.AY265084,
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06_cpx.GH.03.03GH173_06.AB286852, D.ZA.84.R2.AY773338, CD.UG.99.99UGK10192.AF484500,



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PepMix™ HIV (NEF) Ultra

G.BE.96.DRCBL.AF084936, A2.KR.99.99JHS11_1.AF462724, G.ES.99.X138.AF450098,
B.US.x.P6518TOB8U.GQ372615, 01_AE.CN.05.05GX013.GU564224,
B.KR.03.03Lsw3_400.AY260782, BG.PT.x.nefNTM9_15.AY739049, A1.KE.01.ML1945.EU110088,
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Protein sequences (# 154) covered by at least 30%

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01B.MY.04.04MYKL016_1.DQ366663, CPZ.CM.x.SIVcpzMB897.EF535994,
25_cpx.SA.03.J11451.EU697908, B.GB.95.130wdc_95_1_SP.AF129369,
01_AE.VN.97.97VNHCM302.FJ185238, O.CM.94.8161k9.AY536905,
02_AG.CM.98.98CM9929.AY265069, N.CM.04.04CM_1131_03.DQ017383,
02_AG.GH.03.GHNJ196.AB231898, B.US.x.BEC53.GU046584, C.ZA.00.1226M.AY838693,
A1.UG.02.02_1354KP.AY803411, B.US.x.T4544TOB8U.GQ372704,
B.CA.x.BCCFE_NEF558.DQ484624, F1.RO.96.BCI_R07.AB485658, 14_BG.PT.06.TX32.GU017595,
A1.CM.98.98CM9835.AY265064, H.CD.96.96ZR23.AJ232995, B.US.x.D4577TOB8U.GQ372374,
C.ZA.05.CAP88_5w_F2.GQ999980, B.CA.x.HND_DRPI039V01.DQ322225,
B.ES.07.X2149.EU786678, D.UG.x.12RP.AF425881, G.PT.x.nefNTM58_36.DQ659730,
14_BG.PT.06.TX5.GU017606, BG.PT.x.nefC5_23.AY739037, 09_cpx.CI.00.00IC_10092.AJ866553,
A2.CY.94.94CY017_41.AF286237, C.ZA.03.03ZASK019B2.AY878063,
G.NG.01.01NGPL0674.DQ168575, 02_AG.CH.x.5541_at.HM244591, 01_AE.TH.x.98_4.U48934,
B.US.x.N3514TOB8U.GQ372560, BG.PT.x.nefC12_10.DQ659692, B.US.x.P4505TOB8U.GQ372611,
B.JM.09.09JM_PFOB97.HM030562, C.GE.03.03GEMZ033.DQ207941,
B.US.x.J1526TOB8U.GQ372472, B.US.x.B4522TOB8U.GQ372348, 14_BG.PT.x.PT4796.AJ850880,
G.PT.07.NTM28P.GU017582, B.US.04.ES3provirus1.FJ430356, D.NL.x.M12772.AY887096,
B.KR.00.00LSM1.AF462751, 13_cpx.KR.02.02HCH1_164.AY221653,
28_BF.BR.99.BREPM12313.DQ085872, B.CA.x.BCCFE_NEF656.DQ484722,
B.CA.x.BCCFE_NEF1026.DQ485092, 02_AG.CM.01.01CM_0144ND.GU201495,
B.US.x.X5533TOB8U.GQ372770, C.ZA.03.SK033B2.AY772692, B.US.x.BEC24.GU046573,
15_01B.TH.99.99TH_R2399.AF530576, G.NG.01.01NGPL0669.DQ168576,
D.UG.05.MBAR006_120405.EF186198, 01_AE.TH.x.11_25.U48899,
D.UG.05.P0010_170105.EF186116, C.MW.00.00MW525042.DQ793048, F1.PT.x.PT045.AJ850902,
02_AG.CM.98.98CM1410.AY265085, A1.KE.99.KSM4043.DQ367331, B.US.02.CR0023W.FJ469688,



Innovative Peptide Solutions

PepMix™ HIV (NEF) Ultra

B.US.x.J2509TOB8U.GQ372474, B.US.x.N9502TOB8U.GQ372572, B.US.03.F7157.FJ469731, A1.UG.03.03_6148NJ.AY803418, A1.SE.94.SE7535.AF069671, CD.TZ.97.97TZ07.AF361877, N.CM.97.YBF106.AJ271370, J.SE.94.SE9173_7022.AF082395, 01_AE.TH.x.24_54.U48910, B.US.x.T8510TOB8U.GQ372711, 02_AG.GH.03.03GH181AG.AB286856, B.US.x.L3534TOB8U.GQ372519, D.UG.99.99UGF05734.AF484490, C.FR.95.MP41.AJ232969, B.IN.05.cal_427.DQ345428, C.ZA.99.ZASW8.AF397574, O.CM.96.96CMABB637.AY169810, B.US.x.NCQ.FJ469752, B.US.x.BEC33.GU046574, B.CA.x.BCCFE_NEF753.DQ484819, C.ZA.04.SK134B1.AY703909, C.ZA.05.05ZAPSK240B1.DQ369991, 02_AG.KE.03.A085F.EU603065, 14_BG.ES.05.X772_8.FJ670528, D.PT.x.nefNTM52_97.DQ659727, 02_AG.CM.98.98CM1452.AY265089, A1.UG.02.TC024604.AY803453, 02_AG.NL.x.M12453.AY887098, A1D.TZ.96.TZBFL0011.AF442569, N.CM.04.04CM_1015_04.DQ017382, C.ZA.x.TM21C.DQ398993, B.VE.x.LTNP6.EU432534, A1C.KE.00.MSA4080.AF457087, CPZ.CM.98.CAM5.AJ271369, A1.CH.x.6401_74.HM244572, N.CM.02.DJO0131.AY532635, C.IN.98.IN98006.AF529678, B.US.x.K1507TOB8U.GQ372493, G.PT.x.nefC18_33.DQ659696, 14_BG.PT.x.PT322.AJ850882, B.AU.x.789452.AY857127, O.CM.98.98CMABB197.AY169811, B.US.x.K8514TOB8U.GQ372507, A1C.KE.02.A065M.EU602852, B.CA.x.BCCFE_NEF557.DQ484623, 02_AG.KR.93.93KJK6.AF462723, C.NL.x.M12003.AY887099, 42_BF.LU.05.luBF_17_05.EU170143, 01B.TH.x.CU98_31.EF197877, B.CA.x.BCCFE_NEF32.DQ484098, B.US.x.F4572TOB8U.GQ372418, B.CA.x.BCCFE_NEF1013.DQ485079, B.US.x.V5578TOB8U.GQ372728, C.ZA.03.03ZAPS103MB2.DQ275656, A1.UG.x.05LTS.AF425891, B.CO.01.PCM034.AY561238, C.BW.96.96BW0502.AF110967, 01_AE.VN.97.97VNHCM310.FJ185240, A1.RU.00.RU00051.EF545108, 02_AG.KR.96.96KJG3.AF462770, 43_02G.SA.03.J11223.EU697904, B.IT.x.B_IT_L1.AF147728, 06_cpx.AU.96.BFP90.AF064699, G.CU.99.Cu87.AY586549, 01_AE.TH.97.97TH_NP1695.AY713419, 14_BG.PT.x.PT38.AJ850884

Protein sequences (# 69) covered by at least 25%

B.HK.06.HK002.FJ460499, BF1.IT.01.53143.GU595149, B.US.x.A1519TOB8U.GQ372320, C.ZA.04.04ZASK128B1.DQ093586, B.US.x.O6535TOB8U.GQ372594, G.KE.93.HH8793_1_1.AF061640, 02A1.ES.05.X230_10.FJ670515, BG.ES.99.X254.AF423755, BF.BR.03.BREPM1026.EF637055, B.US.x.G8521TOB8U.GQ372444, B.AU.x.LTS_63D.AF219795, A1.UG.03.03_9390KM.AY803439, O.CM.97.97CMABB497.AY169809, A2.KR.02.02CHR1.AY121459, B.CA.x.BCCFE_NEF123.DQ484189, B.CA.x.BCCFE_NEF543.DQ484609, B.US.x.W4541TOB8U.GQ372744, C.ZA.x.TM34B.DQ399002, 14_BG.KR.95.95KYJa12_849.AY899391, B.US.x.O5598TOB8U.GQ372590, D.BR.98.98BRRJ045.AY071949, A1.PT.x.nefTM13_12.DQ659684, C.ZA.99.ZACOT2.AF397565, 43_02G.SA.03.J11243.EU697907, 22_01A1.CM.02.02CM_3097MN.GQ229529, B.CA.x.BCCFE_NEF1027.DQ485093, B.US.x.L2529TOB8U.GQ372515, AKU.US.x.L873.DQ886038, O.FR.92.VAU.AF407418, B.JM.09.09JM_PF09WX.HM030564, 14_BG.PT.06.TX19.GU017611, 26_AU.CD.02.02CD_KS069.FM877780, B.ES.01.16.AY444314, B.KR.05.05Lsh5_2100.DQ122116, G.PT.x.nefNTM38_75.DQ659716, O.BE.87.ANT70.L20587, O.CM.96.96CMA102.AY169803, C.ZA.00.1192M3M.AY463219, A1D.UG.90.UG266.AY352657, G.CM.98.98CM431.AY265102, C.BW.00.00BW3876_9.AF443111, CPZ.CM.x.SIVcpzDP943.EF535993, B.CA.x.BCCFE_NEF529.DQ484595, 02_AG.CM.98.98CM419.AY265090, G.PT.x.nefNTM55_101.DQ659728, 14_BG.ES.04.X1589_2.FJ670518, B.CA.x.BCCFE_NEF759.DQ484825, B.CA.x.BCCFE_NEF946.DQ485012, B.US.x.N5535TOB8U.GQ372565, 14_BG.PT.06.TX33.GU017614, B.US.06.CR0222X.FJ469709, 11C.ZA.08.08MB26ZA.HM049907, O.SN.99.99SE_MP1299.AJ302646, B.US.x.T5538TOB8U.GQ372706, 02_AG.ES.06.P1423.EU884501, B.US.x.39_clone5.EU327490, B.KR.04.04KJgS10_1819.DQ121974, B.KR.97.97YWS3.AF462715, G.ES.05.X1628_2.FJ670520, B.US.x.K5596TOB8U.GQ372500, B.US.x.N7525TOB8U.GQ372569, O.CM.96.96CMABB009.AY169806, G.PT.x.nefC9_1.DQ659690, 02_AG.CM.02.02CM_3153MN.GU201513, B.US.x.BEC78.GU046597, C.ZA.00.1171MB.AY463232, D.UG.03.03_9080KK.AY803426, C.ZA.05.CAP228_8w_F2.GQ999984, 01_AE.CM.98.98CM1487.AY265097

Protein sequences (# 32) covered by at least 20%



Innovative Peptide Solutions

PepMix™ HIV (NEF) Ultra

O.CM.98.98CMABB212.AY169804, D.UG.05.MBA1066_151105.EF186196,
B.KR.96.HHP9612.AF238271, CPZ.CM.01.SIVcpzCAM13.AY169968,
x.KR.01.01CJI7_6442.HM369934, D.CH.x.5565_6.HM244513, B.US.x.M3520TOB8U.GQ372539,
B.US.x.H7501TOB8U.GQ372459, B.US.x.K0516TOB8U.GQ372491, 18_cpx.CU.99.CU68.AY894993,
C.ZA.99.ZACOT6.AF397566, B.US.x.S6536TOB8U.GQ372685,
B.CA.x.BCCFE_NEF1008.DQ485074, B.US.x.Y8515TOB8U.GQ372800,
B.CA.x.BCCFE_NEF848.DQ484914, O.CM.96.13127k4.AY536904, 14_BG.PT.06.TX70.GU017625,
CD.KE.03.A036M.EU602595, O.CM.x.Ca9k7.AY536903, O.CM.98.98CMA104.AY169802,
O.US.97.97US08692A.AY169805, O.CM.x.pCMO2_3.AY618998, B.US.x.H7518TOB8U.GQ372460,
U.GR.99.GR303.AY046058, CPZ.US.85.US_Marilyn.AF103818, B.KR.01.01UCH9.AF462787,
C.BW.96.96BWMO1_5.AF443074, F1.ES.x.P1146.DQ979023, B.CH.x.3968_4.HM244649,
B.US.x.E7570TOB8U.GQ372403, A2.KR.99.99YHD8.AF462696, A1.KE.05.A051M.EU602682

Protein sequences (# 20) covered by at least 15%

B.US.x.F9513TOB8U.GQ372427, O.CM.94.BCF06.AB485666, O.CM.98.98CMABB141.AY169807,
O.CM.98.98CMU2901.AY169812, A.CD.02.02CD_KTB035.AM000055, CPZ.CM.98.CAM3.AF115393,
O.CM.91.MVP5180.L20571, B.US.x.J5576TOB8U.GQ372483, B.US.x.M1546TOB8U.GQ372537,
P.FR.09.RBF168.GU111555, A1.KE.05.A042F.EU602638, B.AU.x.4675282.AY857052,
CPZ.CM.05.SIVcpzEK505.DQ373065, 01_AE.VN.98.98VNHD10.FJ185233,
B.US.x.D9519TOB8U.GQ372382, CPZ.GA.88.GAB1.X52154, B.US.x.L2570TOB8U.GQ372517,
J.CM.04.04CMU11421.GU237072, P.CM.06.U14788.HQ179987, B.US.x.J4531TOB8U.GQ372479

Protein sequences (# 22) covered by at least 10%

B.US.x.J1575TOB8U.GQ372473, C.ZA.03.03ZAPS104MB1.DQ369990,
B.US.x.B3577TOB8U.GQ372347, A1.KE.06.06KECst_018.FJ623497,
B.US.x.S1500TOB8U.GQ372672, B.CA.x.001ND.AY701264, C.IN.97.IN97005.AF529679,
G.CM.04.944_5.FJ389366, B.US.x.F5510TOB8U.GQ372419, 02B.ES.99.99SP_11339.DQ926899,
B.CA.x.008ND.AY701267, B.KR.04.04SDP5_1528.DQ122032, B.US.x.W5524TOB8U.GQ372746,
B.US.x.D2575TOB8U.GQ372366, B.CH.x.3085_4.HM244645, O.CM.94.2171k1.AY536906,
B.US.x.BEC68.GU046592, O.CM.99.99CMU4122.AY169815, D.UG.03.03_5432NY.AY803417,
A1.KE.01.A083M.EU603025, CPZ.TZ.00.TAN1.AF447763, G.NG.96.IKCSW22.AJ232991

Protein sequences (# 8) covered by at least 5%

N.CM.95.YBF30.AJ006022, B.US.x.E6574TOB8U.GQ372399, B.US.x.G9525TOB8U.GQ372447,
B.US.x.W4519TOB8U.GQ372743, CPZ.CM.05.SIVcpzLB7.DQ373064, B.CA.x.006ND.AY701265,
B.US.x.B9543TOB8U.GQ372363, B.US.x.N9538TOB8U.GQ372573