

HIV TCR list

Lin, W. L., Fincke, J.E., Sharer, L.R., Monos, D.S., Lu, S., Gaughan, J., Platsoucas, C.D., Oleszak, E.L. Oligoclonal T cells are infiltrating the brains of children with AIDS: sequence analysis reveals high proportions of identical β -chain T-cell receptor transcripts. *Clinical and Experimental Immunology* 2005; 141: 338-356. (4 patients; 30 sequences)

1 NP95-73 CASSEELAGGSYNE
2 NP95-184-O CASSERGTNSPL
3 NP95-184-O CASSGDSRDEQF
4 NP95-73 CASSLELAKNI
5 NP89-213 CASSLWVTGGEQFF
6 NP95-73 CASSFSSGRPGELE
7 NP95-73 CASSLTVSSYNEQ
8 NP95-73 RCASSSGANV
9 NP-94-34 FCASRFERELGQPQ
10 NP95-184-O LCSVVTGDGYTF
11 NP89-213 CASSLVGLRGNTEA
12 NP94-34 CASSLASYTEA
NP-89-213 CASLLRGVRRRAVL
NP-94-34 CASSSGQAYNS
NP-95-184 CASSSANYGY
CASSLTGTNEK
LCASKEGAGELF
CASSLSHRPATSSST
CASSEWGAAAYNEQ
CASSRGGRHNEQF
CASSLPDRGFSRETQY
CASSLYGPYNE
LCSVEETDKQYF
CASSLDRDNTGE
CASSLASYTEA
CASSSTSLNEKL
CASSLELAKN
CASSLEGSYEQY
CASSLELAKN
CASSLEGSYEQY

McFarland, EJ, Harding PA, Striebich CC, McWhinney S, Kuritzkes DR, Kotzin BL. Clonal CD8+ T Cell expansions in peripheral blood from human immunodeficiency virus type 1-Infected children. *JID* 2002: 186, 477-485. (3 patients; 23 sequences)

P011 CASSLFAGVSYNEQVFFG
P011 CASSPYSKQPZHFG
P011 CASGRLAELYNEQFFG

P011 CASSPSLAGETQUYFG
 P011 CASSLYGLAGVKTYEQYFG
 P099 CASSYLPGRYNSPLHFG
 P099 CASSVVTGSGNYGYTFG
 P099 CASSPATGTAHGYTFG
 P099 CASSPITGTGSYGYTFG
 P099 CASSYTPRTFYTEAFFG
 P099 CASRLRETLSPHFG
 P099 CASSYARTGGTEAFFG
 P099 CASSYSFLDRAYEQYFG
 P099 CASSPRQPPYEQYFG
 P111 CASSPMGVNEQFFG (HIV-1 Env and Gag protein stimulated)
 P111 CATTSWTSGALTGELFFG
 P111 CASGRLAESSGANVLTEG
 P111 CASSTASGGATDTQFG (Gag protein stimulated)
 P111 CASSTFDETDQPQHFG
 P111 CASSALAGAYTDTQYFG
 P111 CASIGDYGYNQFFG
 P111 CASSIVEGANEQFFG
 P111 CASGRLAESSGANVLTFG (Gag protein stimulated)

Weekes MP, Carmichael AJ, Wills MR, Mynard K, Sissons JGP. Human CD38-CD8+ T cells contain greatly expanded functional virus-specific memory CTL clones. *J Immunol* 1999; 162: 7569-7577. (3 patients; 11 sequences)

H0009 CASSYTLDNQPQH (Env protein stimulated)
 H0009 CASSLGSYEQY (Gag protein stimulated)
 H0018 CASTSGWGSYEQY (Gag protein stimulated)
 H0018 CASNLAPYEQY (Gag protein stimulated)
 H0018 CASSHDRQGASSPLH (CMV pp65 stimulated)
 H0018 CASSERTGGSYEQY (CMV pp65 stimulated)
 H0045 CASRQGAPNQPQH (Env protein stimulated)
 H0045 CASSDPLNEAF (Env protein stimulated)
 H0045 CASSLGGLF (Env protein stimulated)
 H0045 CASGMTQY (Env protein stimulated)
 H0045 CASSPIQGYEQY (CMV pp65 stimulated)

Kou ZC, Pühr JS, Wu SS, Goodenow MM, Sleasman JW. Combination antiretroviral therapy results in rapid increase in T cell receptor variable region beta repertoire diversity within CD45RA CD8 T cells in human immunodeficiency virus-infected children. *JID* 2003; 187: 385-395. (1 patient; 45 Sequences)

CASSLTGGNEQFFGPG
 CASSPRGTDQTQYFGPG
 CASSSGLDDNEQFFGPG
 CASSPTDSTDQTQYFGPG
 CASSSDTRGIQPQHFGDG
 CASSPPRQGSYNEQFFGPG

CASSGEDRGTGQPGQFGDG
CASSPRGFGQGGETQYFGPG
CASSLTGGNEQFFGPG
CASSPSGSSYEQYFGPG
CASSSEDRRRIQPQHFGDG
CASSPGSPAENYGYTFGSG
CAGQGGVSYEQYFGPG
CASSEASGVSEQYFGPG
CASSEFRTGGTNIQYFGAG
CASRLNEKYTFGSG
CASTEHFYEQYFGPG
CASLREHNTEAFFGQG
CASSEGTTGLEQYFGPG
CASSEEAGTYEAFFGPG
CASRTFTGLQETQYFGPG
CASTTETAYNSPLHGFNG
CASRDYGGTGETQYFGPG
CASRARRGGHSYEQYFGPG
CASSGAGQGAVSEAFFGPG
CASSTPGTEHGTEAFFGPG
CASSVDRVKAFFGQG
CASSPDRGLAFFGPG
CASSQRRIGELFFGEG
CASSGRLARNEQFFGPG
CASSQDRSSTDQYFGPG
CASSVDRVKAFFGQG
CASSQTRGEQFRPG
CASSQDYHGEQYFGPG
CASSPGGLIEAFFGQG
CASSQEGLLGNEQFFGPG
CASSQEWSSYEQYFGPG
CASSLGEGNTGELFFGPG
CASSQENSGGLYEEQYFGPG
CASSQERASDSSSYNEQFFGPG
CASSQDYHGEQYFGPG
CASSQDPGGTEAFFGQG
CASSATTGYNSPLHGFNG
CASSQERGTYGYTFGSG
CASSQERASDSSSYNEQFFGPG

RANDOM TCR SEQUENCE LIST

>random sequence 1 consisting of 15 residues.

GSPEMQECCQAPDLA

>random sequence 2 consisting of 15 residues.

VMHGGNLVRQLYPQT

>random sequence 3 consisting of 15 residues.

RYSHTRARYEFSNRA

>random sequence 4 consisting of 15 residues.

GTDGACFWFPVAQH

>random sequence 5 consisting of 15 residues.

CHSLGNQTLDEEDCM

>random sequence 6 consisting of 15 residues.

TTRAWMNMHMCCCAF

>random sequence 7 consisting of 15 residues.

NAVNTRKIRHQNQFE

>random sequence 8 consisting of 15 residues.

RIPLRLCCSTPGIFQ

>random sequence 9 consisting of 15 residues.

EEPSFWFCCQRANTR

>random sequence 10 consisting of 15 residues.

VRIVWGVVMKYYNQPY

>random sequence 11 consisting of 15 residues.

ATCRFSHNHRMFQAK

>random sequence 12 consisting of 15 residues.

DRFWGAEIPAPADSN

>random sequence 13 consisting of 15 residues.

SKRAEVVHELICMIV

>random sequence 14 consisting of 15 residues.

RPCWEAMRKCNFVFH

>random sequence 15 consisting of 15 residues.

PNWAAVNCISCRPDS

>random sequence 16 consisting of 15 residues.

LESGCNACPALKAQD

>random sequence 17 consisting of 15 residues.

CCRLTSMIKQMVSKN

>random sequence 18 consisting of 15 residues.

IDMDHDEVSQVQVDK

>random sequence 19 consisting of 15 residues.

DYSAPHNEINGEVLW

>random sequence 20 consisting of 15 residues.

MSQWDHGSQMADHLK

>random sequence 21 consisting of 15 residues.

RVFWLPSYHEQQQPL

>random sequence 22 consisting of 15 residues.

RCD CYCIAFYKR NEN

>random sequence 23 consisting of 15 residues.

YPYNCCDQFLGKGFW

>random sequence 24 consisting of 15 residues.

KCECLCSKNSCPMEK

>random sequence 25 consisting of 15 residues.

GRCQNFMHFWKIDKP

>random sequence 26 consisting of 15 residues.

QWDDQCPRMHYIKNT

>random sequence 27 consisting of 15 residues.

IPNLNTERYRCCCPL

>random sequence 28 consisting of 15 residues.

YDQEVRTVTWDGVAF

>random sequence 29 consisting of 15 residues.

RFNDHEQSYCPMHYT

>random sequence 30 consisting of 15 residues.

EACAWRQNFSGFLWM

>random sequence 31 consisting of 15 residues.

QHPCSQVPVHKSSNF

>random sequence 32 consisting of 15 residues.

VKYDFTQKGTHDFEF

>random sequence 33 consisting of 15 residues.

QYNMLRGAEAMQFSL

>random sequence 34 consisting of 15 residues.

IIMIVHLSLARFWWQ

>random sequence 35 consisting of 15 residues.

AGQCWGC SQMAWNFT

>random sequence 36 consisting of 15 residues.

PVYVKYPDNFHVWNG

>random sequence 37 consisting of 15 residues.

SVANLLERSSSNVLV

>random sequence 38 consisting of 15 residues.

PARMNTCVCTKWVKM

>random sequence 39 consisting of 15 residues.

WVLKYRTGGFHWKTV

>random sequence 40 consisting of 15 residues.

TQNMQQPV RHKYWVE

>random sequence 41 consisting of 15 residues.

DRQHCMINTYVEHRD

>random sequence 42 consisting of 15 residues.

VFGNVVVQCAGWYSS

>random sequence 43 consisting of 15 residues.

RESLDGWGHR CRRGP

>random sequence 44 consisting of 15 residues.

EWMIFTNTDKRWALA

>random sequence 45 consisting of 15 residues.

QQWPCLTDMIHGHTY

>random sequence 46 consisting of 15 residues.

ATENWEPQSFAIANF

>random sequence 47 consisting of 15 residues.

AKLAHVSRSGVMALL

>random sequence 48 consisting of 15 residues.

CWIECCAPSPASFHC

>random sequence 49 consisting of 15 residues.

CYTVCFEQMEDKWRR

>random sequence 50 consisting of 15 residues.

TDRDYHLHVFPRTPY

>random sequence 51 consisting of 15 residues.

LDVVWSFTGRFSSTR

>random sequence 52 consisting of 15 residues.

AHDVENKYHTMRVRY

>random sequence 53 consisting of 15 residues.

ACAQKTIYREFEVR

>random sequence 54 consisting of 15 residues.

HVVTGQVNFHDHWWAY

>random sequence 55 consisting of 15 residues.

YAGFWDVGLWDLNWC

>random sequence 56 consisting of 15 residues.

HRVVEGPANWTVAIT

>random sequence 57 consisting of 15 residues.

CKMDTQHDHQGGYRW

>random sequence 58 consisting of 15 residues.

RPVDRASFCPDWDD

>random sequence 59 consisting of 15 residues.

VRKYYEITPGMWMDH

>random sequence 60 consisting of 15 residues.

NEGYQCLNKEWGKRH

>random sequence 61 consisting of 15 residues.

PNYHNCKQNECQHNT

>random sequence 62 consisting of 15 residues.

YAQMAYFGCNTSTRQ

>random sequence 63 consisting of 15 residues.

DGRTDKEHADGSLAW

>random sequence 64 consisting of 15 residues.

AREMCIHDSQSKEM

>random sequence 65 consisting of 15 residues.

YWRRTDAHEVLWIYT

>random sequence 66 consisting of 15 residues.

YEPWKTAVWMPAPNY

>random sequence 67 consisting of 15 residues.

VNNTWIIECDDPLFY

>random sequence 68 consisting of 15 residues.

RCHQCFMHSEFYNLWLT

>random sequence 69 consisting of 15 residues.

HMYLFQKSWWKCDWR

>random sequence 70 consisting of 15 residues.

KHSHRKATLVVLYLW

>random sequence 71 consisting of 15 residues.

HGPGSTAPFTPQNNL

>random sequence 72 consisting of 15 residues.

KPCDLWENCLKYMRA

>random sequence 73 consisting of 15 residues.

KHEYRPITSMNGHKKH

>random sequence 74 consisting of 15 residues.

TTPLCINRYGQICVH

>random sequence 75 consisting of 15 residues.

RKQHS AKRMRWNNLW

>random sequence 76 consisting of 15 residues.

MLAVRDDWCMTKFDM

>random sequence 77 consisting of 15 residues.

EILNIVGYQHGCCKT

>random sequence 78 consisting of 15 residues.

VEYTVGCIERSVRLW

>random sequence 79 consisting of 15 residues.

WCQGHNLIGMCKWS

>random sequence 80 consisting of 15 residues.

CWCNTLHRRHMNLC

>random sequence 81 consisting of 15 residues.

AAPNAMFAYCYLVRI

>random sequence 82 consisting of 15 residues.

NEVGGRLQDEDGTGD

>random sequence 83 consisting of 15 residues.

SAVMVGSIQAFSACP

>random sequence 84 consisting of 15 residues.

CRIFTDNGDCQEFMF

>random sequence 85 consisting of 15 residues.

HKEQSHRPMNKHAYQ

>random sequence 86 consisting of 15 residues.

FTCACAKQADRHTGV

>random sequence 87 consisting of 15 residues.

MFHAQNKYPQKPFNE

>random sequence 88 consisting of 15 residues.

TPWYNDISNYAMSTV

>random sequence 89 consisting of 15 residues.

HHITSVFTTLEIYEV

>random sequence 90 consisting of 15 residues.

MAQAKVPFNERIPAD

>random sequence 91 consisting of 15 residues.

YMGAGGAKCEQCSYH

>random sequence 92 consisting of 15 residues.

EKCKHRMQALGPKRA

>random sequence 93 consisting of 15 residues.

VCWVYTIMGLQNTSS

>random sequence 94 consisting of 15 residues.

VMGQYGRQKYETFWS

>random sequence 95 consisting of 15 residues.

VCINFLIIKGFLPTA

>random sequence 96 consisting of 15 residues.

GVHLWTWHFPVAGVQ

>random sequence 97 consisting of 15 residues.

NEGMYDDIVLFMQNW

>random sequence 98 consisting of 15 residues.

PKITPHTDCFPQV

>random sequence 99 consisting of 15 residues.

RGWHVWGAPNLYRRQ

>random sequence 100 consisting of 15 residues.

ETPAPKHRNQQCVRP