

NORMAL TCR CONTROL LIST (9 Patients, 114 TCR)

Probert, et al., 1996 [15] patients)

Normal 1

CASEGQRTEAFFG
CASSQGLMTEAFFG
CASSTREILTEAFFG
CASSWIRGVGTEAFF
CASSGTGTSVYGYTFG
CASSDLEGGNEKLFFG
CASSGTAAPQPQHFG
CASSGNRVPQPQHFG
CASSGGSSQGQPQHFG
CASSGGGDQPQHFG
CASSADRISPLHFG
CASSGESQFFG
CASSSSGGYIQFFG
CASSTGQGGDQFFG
CASSDRDRTTDTQYFG
CASSGMAGGTDQYFG
CASSALKRKDYEIGYFG
CASSLGLAGVSYEQYFG

Normal 2

CSAEGRGTEAFFG
CSASPWTQTEAFFG
CASRPGFQPQHFG
CSARGSAQPQHFG
CSAIGQTVEQPQHFG
CSASRWQGGNQPQHFG
CSARRPGTGWVQGGQPQHFG
CSATSGQFFG
CSAEGGTDQFFG
CSAYSSGASQFFG
CSARDGRDGQFFG
CFASTGSGSQFFG
CSARGLETGELFFG
CSAGAATDTQYFG
CSASLANTDTQYFG
CSAEVAGGTDQYFG
CSAVLLLATTDTQYFG
CSARWAGGPTDTQYFG
CSATRGRETQYFG
CSASGGDTSYEQYFG
CSARDQGLADSYEQYFG

CSADPSRLGGVSYEQYFG
CSARRTETRPWEDSYEQYFG

Zeng W, et al. 2001 [16] (2 subjects)

Normal 1

CASSSQGGVEKLFFG
CASSLKGSNSPLHFG
CAGRGTSTDTQYFG
CASSFIGSYGQYFG
CASSFSGAYEQYFG
CASSLADGTYEYFG
CASSKPRARETSGYNEQFFG
CASSLGDRGQETQYFG
CASSPPARGYTFG
CASVPIRETQYFG
CASSPPSGENQPQHFG
CASVKTRQYNEQFFG
CASSNEDGKELFFG
CASAKFSNTEAFFG
CASSLHQKRPWYTFG
CASSWTGFGPETQYFG

Normal 2

CASSRTGKDYGYTFG
CASSGGTRDNTEAFFG
CASSCSHPRQKNIQYFG
CASSLSRPGTDTQYFG
CASSIRDTEQFFG
CASSPGEWGEQFFG
CASSPGDTGETQYFG
CASSTRDSGGYTFG
CASSRVPQHFG
CASSPGEKDTQYFG
CASSSQYTGELFFG
CASSRDGYEQFFG
CASSRFGDETQYFG

Mamadov, et al., 2011 [17] (2 subjects)

Normal 1

CASSVALGLNYEQYF
CASSLSGGAGELFF
CAIKTTSGIVDEQFF
CASSLWEGREQFF

CSVGTSEAYEQYF
CSARTTYGTDIISQHF
CSVEIWDSSYNEQFF
CASSLAPGATNEKLFF
CASSLGENIQYF
CASTVDSLDEAFF

Normal 2

CASSLSGGAGELFF
CASSPGLAASYNEQFF
CASSFKGADTQYF
CASTVDSLDEAFF
CASSTAGVHYNEQFF
CASTSWAQASTDTQYF
CASPHTGQSLPYGYTF
CASSFYKSSEQYF
CASSLDGYSPLHF
CASSLHGELFF
CASGSGLAGGELFF
CASSLVEAGDPYEQYF
CASSLAPGATNEKLFF
CASSLAGGTAHTEAFF
CASSLEASPTSQTQYF
CASSSTGDFSSEQYF
CASSPHYTDTQYF
CASSVALGLNYEQYF
CASSVETGDLAFETQYF
CASSVGAADTQYF
CASSGQLSNTGELFF

Forman, at al., 1994 [14] (1 subjects)

CASKLNYNIHEQFFG
CASTVPGQGETEAFFG

biomedimmunotech, 2016 [13] (2 subjects)

CASSSYEQYFGPGTRL
CASSPPGELLFEGSRL
CASSPDALGYTFGSGTRL
CASTTSGGYEQYFGPGTRL
CASSAHAVPGELFFEGSRL
CASSGASAGYEQYFGPGTRL
CASTPHPGETEAFFGQGTRL
CASSPTANVPGELFFEGSRL
CASTTGRGSGTEAFFGQGTRL

CASTTGGHRAGTEAFFGQGTRL
CASSGASAGYEQYFGPGTRL

PATIENT CONTROL TCR LIST (18 Patients; 101 TcR)

Quiròs Roldan, et al 1994 [19] (Rheumatic Fever) 1 patient

1-1 CASSGRQGRYEQY
1-2 CASSFTGRILDNEQF
1-3 CASSMRTPVSSI
1-4 CASSDTPITGTASKLT
1-5 CASSLGDTDKLI

Diluvio, et al., 2006 [18] (Streptococcal Infection) 3 patients

TONSIL 1-1 CASSSSGTGYQPQHF
TONSIL 1-2 CASSRRDMNTGELFF
TONSIL 2-1 CASSYSPGLGGRVDEQFF
TONSIL 3-1 CASSSRDSLAVEKLFF
TONSIL 3-2 CASEQGS LAGELFF
TONSIL 3-3 CASSLGTGETDTQYF
TONSIL 3-4 CASSLGGQVYEQYF

Brawley and Concannon, 1999 [20] (Influenza H3N2) 1 patient

INFLUENZA 1 CAVSEGGSYDKVIFGPG
INFLUENZA 2 CAVSEDTSYEKLVFGKG
INFLUENZA 3 CASSPGTSGTTYEQYFG

Goulmy, et al, 1995 [21] (Influenza haemagglutinin) 1 patient

TCR Inf HA 1: CASSLVANQPQHFGDG
TCR Inf HA 3: CASSLVRTYEQYFGPG
TCR Inf HA 4: CASSSTRLEKLFFGSG
TCR Inf HA 5: CASRSTGGVALTEAFF

Bowness, et al, 1993 [22] (Influenza NP) 1 patient

TCR Inf NP 1: CASSQERVGETQYFG
TCR Inf NP 2: CASSQEGVGEKLPFG
TCR Inf NP 3: CASSQETVGEKLPFG

TCR Inf NP 4: CASSQELTGNTTYFG
TCR Inf NP 5: CASSQEVLDTQYFG
TCR Inf NP 6: CASSPDIVETQYPG
TCR Inf NP 7: CASSQVSAGNTTYPG
TCR Inf NP 8: CASSNPAHTQYPG

Moss, et al, 1991 [23] (Influenza A) 1 patient

TCR Inf 1: CASSIRSSYENYF
TCR Inf 2: CASSTNTEAFFGQG
TCR Inf 3: CASSVNPNEAFFGQG
TCR Inf 4: CASSTHYLNEQFFGPG
TCR Inf 5: CASSMRSQETQYFGPG
TCR Inf 6: CASSIRSSYEQYFGPG
TCR Inf 7: CASSIRSTGELFFGEG
TCR Inf 8: CASSIRSTDTQYFGPG
TCR Inf 9: CASSLLAADEQYFGPG

Jacobsen, et al, 2007 [29] (Tuberculosis TCR) 1 patient

TCR TB1: CASSAGPGVLTQFF
TCR TB2: CASSGPNSPLHF
TCR TB9: CASSPDRREQFF
TCR TB10: CASSRDRNYEQYKF

Rhijn, et al, 2013 [30] (Tuberculosis TCR) 3 patients

TCR TB N5: CASSQPIGGGEQFF
TCR TB C52: CASRPPLTARGLKHTGELFF
TCR TB A22: CAWAKTGFGGDTQYF
TCR TB C58: CASSPRLAGDEQFF

Luo, et al, 2012 [28] (Tuberculosis TCR) 1 patient

TCR Tb 5: CASSGGGSNKLIYF
TCR Tb 16: CASSGGGSNKLIEQYF
TCR Tb 18: CASSGGGNKLIQFF
TCR Tb 31: CASSGGGANKLITQYF
TCR Tb 36: CASSGGGAKLIF
TCR Tb 40: CASSGGDNKLIQYF
TCR Tb 45: CASSASGTNKHIF
TCR Tb 49: CASRDDGTNKLINQYF
TCR Tb 51: CASSEGCTTNKLIF
TCR Tb 55: CASSEASTNKFINEQFF
TCR Tb 67: CASSGAASTNKLTEQFF
TCR Tb 71: CASSGGSADKLIF
TCR Tb 79: CASSETSADKLIF

TCR Tb 81: CASSETSNDKLNNEQFF
TCR Tb 84: CASSEITSGNKFIQYF

Levitsky, et al, 1998 [26] (Epstein-Barr Virus TCR) 1 patient

TCR EBV1: CASSLYGRGQPQ
TCR EBV2: CASSFGSGSSYGY
TCR EBV3: CASSVAESPGYPPLVTEA

Silins, et al., 1997 [27] (Epstein-Barr Virus TCR) 3 patients

TCR EBV H57: CASSLISGNTGELFFG
TCR EBV H41: CASSPLTGEETQYFG
TCR EBV H39: CASSRLGQGSSELFFG
TCR EBV H38: CASSVNREGTVTGELFFG
TCR EBV LC5: CASSPGQGTGYGYTFG
TCR EBV LC34: CSVEGAGEGGEQYFG
TCR EBV LC50: CASSLRFSGGQLNEKLFFG
TCR EBV BT66: CASNRLTGLDDEQFFG
TCR EBV BT67: CASSSGLSTDTQYFG
TCR EBV BT73: CASAPSGRNPYEQYFG
TCR EBV BT74: CASSLILVGFSEQFFG
TCR EBV BT142: CASSQGRDFEGRFGYTFG

Utz, et al., 1996 [24] (HTLV-1 TCR) 1 patient

TCR HTLV-1 1-1: CASSIWGYNEQ
TCR HTLV-1 1-2: CASSISPTQTAQNEQ
TCR HTLV-1 1-3: CATSRITSGEPYEQ
TCR HTLV-1 1-4: CASSLGVPEQ
TCR HTLV-1 2-1: CASSQDPSGMIYEQ
TCR HTLV-1 2-2: CASSYPGGGFYEQ
TCR HTLV-1 3-1: CASSYPGQGVNEQ
TCR HTLV-1 3-2: CASRPGLAGGRPEQ
TCR HTLV-1 3-3: CASSFLGGGQETQ
TCR HTLV-1 3-4: CSETGLEGYTF
TCR HTLV-1 3-5: CASSKGGLNSPL

Bourcier, et al., 2001 [25] (HTLV-1 TCR) 1 patient

TCR HTLV-1 1: CASSQERLSFGTKNIQ ?
TCR HTLV-1 2: CASSEYRSGANVLT
TCR HTLV-1 3: CASSKPSVMNTEA
TCR HTLV-1 4: CASSSPGQGNYEQ
TCR HTLV-1 5: CASSTPGQGAYEQ

TCR HTLV-1 6: CASSYPGQGEHEQ
TCR HTLV-1 7: CASSPGTGVNEQ
TCR HTLV-1 8: CASSKPGLGGTGEL
TCR HTLV-1 9: CASSRPGLAGRNEQ
TCR HTLV-1 10: CASQLGQGVHGYGY
TCR HTLV-1 11: CASQDFLSSGAYNEQ
TCR HTLV-1 12: CASSLTIGGAQ
TCR HTLV-1 13: CASSFMTDTQ
TCR HTLV-1 14: CASSLPDTQ
TCR HTLV-1 15: CASSARLGQPQ

ANTISENSE CONTROL TCR LIST

TRSRPAVPAMLVM
TRSRKWPALVLVK
TRSRFSCGNRSF
TRSLCGYWPWRSFEC
TRSREPLWLYEF
TRRSRPWPKVGVVK
TRRSVAVFWPLEMI
TRSRKRGPEPPARNLLVIM
TRRSALRERNLYEIM
TRSLVPRERPLEIM
TRSREPWPLCLWVKI
TRSREPPVQKLVKI
TRQRLPPRKLYQFIPGP
TRNRLWRKLYENI
TRSRGPWSPWCKLVKI
TRSRENRVVGVLIPLP
TRSRENSLLGLVIPLP
TRSREHAWKLLKIPGP
TRRSWAELYEIMPGP
TRSRLLAHPLWLKIP
TRSRLLPHPLYEGIP
TRSRLLWHPLYEIMP
TRSRLLWPLCWLKIP
TRSRLLHELWLYIP
TRSRGLFHLWLKGP
TRSRHSRPLWCKGP
TRSRSLGRVWLKGP
TRSRFASRLLKM
TRSRWLCLRIMPLP

TRSRSHGLLLRIMPLP
TRSRWVKELLIMP
TRSRFARLLWLKIPGP
TRSRFARSKLLKMPGP
TRSRFARWPLEIMPLP
TRSRFASWLCLKIPGP
TRSRREERRLLKIPGP
TRSRRPGPHEWLIM
TRSRPGLRGEVI
TRSRGLASLLIM
TRSRALSLKLLKYI
TRSR LGFPPPLIM
TRSRAGGEWRAPEYVWPLEIM
TRTRYWPIPLCLKM
TRSRGAERPLLLIM
TRTRGWSEAERSCLWLKI
TRSRPPPSLYEFKI
TRSR LPPSLYEF LIM
TRSRPPPSLYEFLLKI
TRSRPPPLYEFLLIM
TRSRPPRLYEFWLKI
TRSRPPPRYEFI
TRSRP LLYEF LKI
TRSR RSPWLYVFI
TRSRLLPWYEFKILLIM
TRSR LPTWCLYEFI
TRSR LRSWLYIFILLMI
TRSRPRRSWIYECLLIM
TRSRPPSRLYEFI
TRSR LWSRLYIFMI
TRSR LWSLLYEFLLIIM
TRSR LFWSPLYIFLKI
TRSRREKPAPIGI
TRSRIPSPRSKPK
TRSRHRLSGPKGGEHWLR
TRSR LSRPPKLLI
TRSRREFSPLWPLEIMP
TRSRREEPEILLIMIP
TRSRGEWPLLCIKIP
TRSR AEPIPSPLEIMP
TRSRHLALPWHCPLEIMP
TRSRGPIPWP KPCIP
TRHLPRPLPLIKIP
TRSR AEISPPIELLYEIMP

TRSLAEWPELLLIIMP
TRRSRPERWLCIKIP
TRSRGSPAEGKLIKIP
TRSREQEHPISLIIMP
TRSRHPALILPSIPKWIP
TRSRFTPKLLI
TRSRFSGWICRILLI

TRWRSFCRPLGLI
TRSREPHGLI
TRSRILGSPFFKLI
TRSRKGPPPIKLI
TRSRKGPIPHLLI
TRSAGPERPPSGLI
TRSRIEPPPILWI
TRLWPELPCICI
TRSRYPPELSGI
TRSRILAESIPWYLFII
TRSRSLKASPRLHEW
TRSRYGSHFLWLR
TRSRSGPIPLKLI
TRSRWGPIPRKLI
TRSRKGPIPLVLI
TRSRSGPWPHELLI
TRSRYGPEPPWPLE
TRSRAGPERPSLLI
TRSIEIPHVPKPK
TRSILIERPRKLLI
TRSREWFPPRI
TRSRIFWLCI
TRSRERGEWI
TRSRRAEPIGI

CROHN'S DISEASE TCR LIST (6 patients) 103 TcR

Gulwani-Akolkor, 1996 [32] (3 patients)

Patient C

CASKQLRNSPLHFGNG
CASSLTGLGANYGYFGSG
CASSEPQGGSPHLHFGNG

CATSDPHRDPSGEQFFGPG
CATSDFTSGSQETQYFGPG

Patient E

CASSKRDRMKTQYGPG
CASRKIGGRHYGYFGSG
CASSQDPGRMEKLFFGSG
CASSQAIGDTGNTIYFGEG
CASSPQRRGYQETQYFGPG
CASSRTVSYGYTFGSG
CASSQVSSNNEQFFGPG
CASSQMSGTGEQFFGPG
CASSRQYEQFFGPG
CASRQNPHSGELFFGEG
CASSRRLAGTDTQYFGPG
CASRQHFGQGHSYEQYFGPG
CASSPELEGAPLHFGNG
CASSLNGQAAGQPQHFGDG

Patient G

CSARGDSNQPQHFGDG
CSARNPRAGGTDQYFGPG
CASRKIGGRHYGYTFGSG
CSARDASGTVYNEQFFGPG
CSALFRTGPGQPQHFGDG
CSANTGPAQPQHFGDG
CSARCDTQYFGPG
CSARDAGGAKDTQYFGPG
CSASRLAGGFYNEQFFGPG
CSARAGPGYEQYFGPG
CSATLPQETQYFGPG
CSGGVQETQYFGPG
CSARTAGGNTIYFGEG
CSASPTGRGNTIYFGEG

Probert, et al., 1998 [33] (3 patients)

Twin D

CASSRSRVATDTQYFG
CASSPDSTRQPQHFG
CASSQDPTSPTATDTQYFG
CASSTENRGPPQHFG
CASSNHTTGMNEKLFFG
CASSPRGGASYNEQFFGQG

CASSPRGEAYNEQFFGQG
CASSRGGGSYNEQFFGQG
CASSGGGSYNEQFFGQG
CASRLNTGYNFGS
CASRAFSGGNGDYTEAF
CASRLDRVGEKLFFGS
CASSFVRGSNQPQHFGD

Twin H

CASSVQGDTEAFFG
CASSDGKLASYEQYFG
CASSRGGGSYNEQFFGQG
CASSTENRGPQPQHFG

Patient Table II.

CASSTRQGETEAFFG
CASSLGQSQFFG
CASSKTGYLNSTEAFFG
CASSLGRGYYGYTFG
CASSGPGTKSYGYTFG
CASSRRTGSPLHFG
CASSPGQPTGELFFG
CASSGTGHTDTQYFG
CASSKRTDTQYFG
CASSRPGTDTQYFG
CASSNPDSFLTESYEQYFG
CASSESGAYGYTFG
CASSAGMVATEAFFG
CASSGGIGAWRTEAFFG
CASSTGGGQPQHFG
CASSQGGSPRQPQHFG
CASSDPPGADLSQFFG
CASSGHSTGELFFG
CASSGTGTGELFFG
CASSEATDTQYFG
CASSELAATDTQYFG
CASSRAKATDTQYFG
CASSVGAATDTQYFG
CASSVGTDTKTDTQYFG
CASSQGGETQYFG
CATSRVGGIVTEAFFG
CATSISGDSGSYGYTFG
CATSRPTGLQPQHFG
CATSINSYTDQYFG

CATSDIPDGTEAFFG
CATSRTRDPTEAFFG
CATSMAGRTSYEQYFG
CATSKTSGVSYEQYFG

DIABETES TCR LIST (8 patients) 68 TcR

Naserke et al., 1996 [37] (1 patient)

TCR DIA 1: CASSLWGSNQPQH
TCR DIA 2: CASSDRLGNQPQH
TCR DIA 3: CASSHSGVNGNQPQH

Conrad, et al. 1994 [36] (2 patients)

TCR DIA 1.1: CASSQGITASY
TCR DIA 1.2: CASSQDKSGEVGE
TCR DIA 1.3: CASSQVHGQ
TCR DIA 1.4: CASSQVSRYS
TCR DIA 1.5: CASSQVSGN
TCR DIA 1.6: CASSQVHGN
TCR DIA 1.7: CASSQVAGAGT
TCR DIA 1.8: CASSQEGSGGPT
TCR DIA 1.9: CASSQVAGGPT
TCR DIA 1.10: CASSQDASGSQT
TCR DIA 1.11: CASSQDGGLY
TCR DIA 1.12: CASSPTDGY
TCR DIA 1.13: CASSQRRGLADE
TCR DIA 2.1: CASSQTGAWWA
TCR DIA 2.2: CASSVQPRQGC
TCR DIA 2.3: CASSQDSGNKE
TCR DIA 2.4: CASSSTGTAN
TCR DIA 2.5: CASSAMGEGAN
TCR DIA 2.6: CASSLGDTL
TCR DIA 2.7: CASSLHTTSRV
TCR DIA 2.8: CASSQILGND
TCR DIA 2.9: CASSQASGN
TCR DIA 2.10: CASSPGLAGPQGTY
TCR DIA 2.11: CASSQGSPSFHN
TCR DIA 2.12: CASSQFGQGPPPAEF
TCR DIA 2.13: CASSATCAHST
TCR DIA 2.14: CASSQGAGVSSLA

TCR DIA 2.15: CASSQSGSFH
TCR DIA 2.16: CASSQDLGSSQR
TCR DIA 2.17: CASSGQAGTG
TCR DIA 2.18: CASSRRSPAGGARE
TCR DIA 2.19: CASSQSPKGT
TCR DIA 2.20: CASSQDKGAA
TCR DIA 2.21: CASSPGHAGLVT
TCR DIA 2.22: CASSQFPAGGLGD
TCR DIA 2.23: CASSHKPGGQGT
TCR DIA 2.24: CASSQGFREGI
TCR DIA 2.25: CASSQEQAGGMY
TCR DIA 2.26: CASSQDLRGSTSY
TCR DIA 2.27: CASSQGSAGSY
TCR DIA 2.28: CASSQAGTGLG

Berardinis, et al. 1994 [35] (1 patient)

TCR DIA B1: CASSMEETQYF
TCR DIA B2: CASSFRDRGQETQYF
TCR DIA B3: CASSLDREETQYF
TCR DIA B4: CASSLESGARDTQYF
TCR DIA B5: CASSLFLGLAGVGEQFF
TCR DIA B6: CASYRTRSYEQYF
TCR DIA B7: CASGDRGWNEQFF

Kent, et al., 2005 [38] (3 patients)

Patient 1

TCR diabetic 1 CSVEATRADTQYFGPG
TCR diabetic 2 CASSLAVIRTDQYFGPG
TCR diabetic 3 CAVGALAGTASKLTGTG

Patient 2

TCR diabetic 4 CASSLATSOGGSDTQYFGPG
TCR diabetic 5 CAVVNMDSNYQLIWGAG
TCR diabetic 6 CADAGGTSYKLFQGG
TCR diabetic 7 CIPGSEYGNKLVFGAG

Patient 3

TCR diabetic 8 CASSQVRLAGGGEQFFGPG
TCR diabetic 9 CASSLGQGETEAFFGQG
TCR diabetic 10 CASRNLGLNTEAFFGQG
TCR diabetic 11 CASSFRRBTDQYFGPG

Codina-Busqueta, et al., 2011 [39] (1 patient)

TCR DIA K2.4: CASSQEADIQYF
TCR Diabetic K2.12: CASSDRLGNQPQHF
TCR Diabetic K2.16: CASSQDRLRGVADTQYF