

L segment

JCV/CO/61c1	R.....	100
JCV/CT/03c1	..A.....T.K.....E.....N.....	
JCV/CT/04c1	I.....	
Consensus	MDNTEYQQFLARINAARDACVAKDIDVDLLMARHDYFGKELCKSLNI EYRNDVPFVDILLDIRPDIDLPLTDIPHITPDNLYILDNILYIIDYKVSVSNE	
JCV/CO/61c1	I.N.....V.....	200
JCV/CT/03c1	I.N.....	
JCV/CT/04c1	.....	
Consensus	SSIIITNTKYFEMTRDIASVLGLHIEIIVIRIDPISRDLYISSDRFKDLFPTLVVDINFNQFFDLKQALYEKFGDDEEFLLKVAHGDFLTAPWCKTGCQPQ	
JCV/CO/61c1	V.....	300
JCV/CT/03c1	V.....D.....N.....K.....	
JCV/CT/04c1	.....	
Consensus	VWQHPIYKEFKLSMPTIPERRLFEE SMKFNSEYERWNTNLIKIREVTTKKEYNDFITKSAKEVFLATGNKYQPNKSEILEGWEMMVVERVHQREVSNSIHD	
JCV/CO/61c1	R.....	400
JCV/CT/03c1	A.....S.....R.....	
JCV/CT/04c1	S.....S.....E.....	
Consensus	QKPSIHFIWSTHNPNNSNNATFKLILLSKSLQSIGNSTYDTSFKLKGKMDIGDKITDYESHCDYLTQARLSWRQVMNKKLEPKKINDALVWLEQQFM	
JCV/CO/61c1	.....	500
JCV/CT/03c1	V.....T.....I.....	
JCV/CT/04c1	.....	
Consensus	VNSELINNDKDKLFRDFCGIGKHQKPKMKLEDIELSKPKILDPNDENTYLASLTWIBQQCKMLSEQSGLKSNNPILDFPKKIGDCNKNTLDIWTSIF	
JCV/CO/61c1	I.....	600
JCV/CT/03c1	I.I.....	
JCV/CT/04c1	.....	
Consensus	ETRFWQCI SDFSTLMKNILSVSQYNRHNTFRIAMCANNLFALVYPSADIKTKKATVVYSIALHKNETDVFNPGLGHGTFKCNNGYISISRAILDKER	
JCV/CO/61c1	I.D.I.....	700
JCV/CT/03c1	.....	
JCV/CT/04c1	.....	
Consensus	CQRIVSSPGLFLTTCLLFKHENPTVRLIEDVMTFSLFTSLITSIKVLSLSTEPARYIMMNSLAISSNVKDYIAEKFSPTYKTLFSVYMTRLIKNACFEAYNQ	
JCV/CO/61c1	S.S.R.....	800
JCV/CT/03c1	C.....	
JCV/CT/04c1	.....	
Consensus	RQKVQLRDI VLSDDYITQKGIKDNRELTSIWFPGSVTLKEYLTQIVLPFYFNAKGLHEGHHVMVDLAKTILEIENBQRNEITKIWSKDLTKQTVMLQILI	
JCV/CO/61c1	I.....	900
JCV/CT/03c1	H.....R.....R.....	
JCV/CT/04c1	R.R.....	
Consensus	HS LCKNLADTSRHNHLNRNIENRNNFRSITTISTPTSSKSCIKIGNFQKEKVVQYTKQKKNI EIESRKRRLANPLFVSDEEIGLEVGHCNNYMLREAM	
JCV/CO/61c1	.....	1000
JCV/CT/03c1	N.E.....E.....	
JCV/CT/04c1	.....	
Consensus	PETRDVISTVKFDRLEMLDITQVSDKPTIELMWMADHTDPFTTFPNKGQKTSKDRBIPVGEYEAKCMYAVERTAKERCKLNPDWEMISEPQDGKLKV	
JCV/CO/61c1	G.....S.....	1100
JCV/CT/03c1	A.....D.....S.....	
JCV/CT/04c1	T.....	
Consensus	LEQKSQBQIRFLVETTRQKNREIDAEIEXLAENFEGNISKIEKLAKGARGLKMEINADMSKWSAQDVFVKYFWLIALDPLIYPQEKERIIFFFCNYMQ	
JCV/CO/61c1	I.....	1200
JCV/CT/03c1	.....	
JCV/CT/04c1	.....	
Consensus	KKLILPDDLMLCNLLDQKATYRDDIISIMTNQLQTCNCEIKRNLWQGNENTSSVYHSCAMSVYKDVLEAMSYLEGSI VNVNLSVHSDNQTSVTIIVQDKA	
JCV/CO/61c1	.....	1300
JCV/CT/03c1	V.....A.....	
JCV/CT/04c1	.....	
Consensus	PDEVLI EFSITQPKICLAFQCAQMMKKTYVTNCIKEPVSFLPNLYGEPFSIYGRFLTTSVGDCAVIGPYCEDLASRISSAQTAIKHGCPPSLAWVIAISH	
JCV/CO/61c1	N.....	1400
JCV/CT/03c1	R.....A.....T.....	
JCV/CT/04c1	S.....	
Consensus	WITGLTYNMLPGQNSDPMDYFPAETRKDPIELNGVLDAPLSMISTVGL EAGNLWFLIKMLNKHTPI MQKRESVNVQISEIRNWDLXRMDNDNEIFKLIKIL	
JCV/CO/61c1	R.....	1500
JCV/CT/03c1	D.....	
JCV/CT/04c1	.....	
Consensus	RYLVLDAMPDSIDMGETSDMRGRSILTRKFTTSGSLRKLKLYSPSKYQDRLLSPGGMNELPQYLLEKPELLVTKGEDKKDYMESVIFRYNSKRKFESLSI	
JCV/CO/61c1	V.....	1600
JCV/CT/03c1	V.....	
JCV/CT/04c1	.....	
Consensus	QNPAQLFIEQILFSNKP IIDPSGIRDKYINLHDSRALEKEPDIIGKVTFREAYRILMKDLNSLPLTDDIQVVSYYIILMDPLMITIANHQILSTISYGSQ	
JCV/CO/61c1	A.....	1700
JCV/CT/03c1	K.....I.....KI.....L.....	
JCV/CT/04c1	M.....	
Consensus	KRTGMSCS T MPEFRNLKLIIHSPALVLRAYSKNTPDVQGDAPTEM S RDLVHLKRFVDNTNLR TKMEKR IXENBLEKGARDIVFELKEMTRFYQVCYEYIK	
JCV/CO/61c1	.....	1800
JCV/CT/03c1	.....	
JCV/CT/04c1	.....	
Consensus	STEHKIKVFLPAKATYTTDP C SLMQGNLIKDK EYVTHYLLKQLSLGSHKAIWQHNSTEQNI AFECPRLTHTPADSPIDAGSRPAFLQVLVDSFSYKDV	
JCV/CO/61c1	.....	1900
JCV/CT/03c1	.....	
JCV/CT/04c1	.....	
Consensus	KVNKLYEIIKNGHNRTDPIPLLFRTGDLTQYDLDKDYAMKSQERV TWNDWQTSRHLDMGAINLITISGYNRAITIGIDENKLTYS E L NITRKT PENI S I S G	
JCV/CO/61c1	G.....S.....Q.....	2000
JCV/CT/03c1	K.....	
JCV/CT/04c1	.....	
Consensus	RKLLSSRHGLKFENMAKVTTYTPGNYIITRYKDRHQYIQIHTHESILRNEEHMAIRTRIFNEIVPCLVNVAEIDGDQRLIRKL DY L N D I F S L A R I	
JCV/CO/61c1	.....	2100
JCV/CT/03c1	.....	
JCV/CT/04c1	.....	
Consensus	KVGIDBYAVIKKAHFSKMVSFDGPPIKTGLNLNLT ELMKSQDLLNLNYDNIRNSNLISFSKII CCBGT D N I D E G L E P L S D D P M A F T B G E T I H S T P I F N I Y Y	
JCV/CO/61c1	.....	2200
JCV/CT/03c1	N.....K.....V.....	
JCV/CT/04c1	.....	
Consensus	SKKGERHMTYRNAIKLLIERETSNFEAFTFYKDGFLSPENGLGLEAIISLIRVLKTN E W S T V I D K C I H I C L I K N M D M Y L Y H K D M P S C F I D D P I S R N I N	
JCV/CO/61c1	2263	
JCV/CT/03c1	L.....	
JCV/CT/04c1	.....	
Consensus	WLMYRDFISTLPPTYIAPWNIMLEHFTKCKSTLIMDKMETQRNPQDFAKMMRRSEBGRTNLDFS	