## SUPPLEMENTARY FIG. 1

J	UPPLEMENIANI FIG. I													
4			TCR	-BETA			TCR	-ALPHA	В				CR-ALPHA	
	CELLS	<u>vь</u> I-	<u>Mb</u> CDR3	· · · · · · · · · · · · · · · · · · ·	LINE/n	CELLS	60.	<u>Ja</u> CDR 3	LINE/n	CELLS	Va	95 - 59 Mens conscionations	<u>Ja</u> CDR 3	LDÆ/n
	NY8.3 Vb8.1	CASSD	A	QNTLYFGAGTRLSVL	NY8	NY8.3 Val7.4-Ja42	CAM.R D	SGGSNAKLTFGKGTKLSVKSN	NY8	<b>NY8.3</b> Va17.4-Ja42	CA	M.R D	SGGSNAKLTFGKGTKI	LSVKSN NY8
	ISLET-DERIVED Vb2-Jb1.3 Vb6-Jb1.1		ELLS (DILORE) AH R GL R SGTG	GNTLYFGEGSRLIVV TEVFFGKGTRLTVV		ISLET-DERIVED Val7.5-Ja42 Val7.6-Ja42	CD8+ T-CELLS (D CAM.R D CAM.R EG	ILORENZO ET. AL 5 WEEKS) SGGSNAKLTFGKGTKLSVKS GGSNAKLTFGKGTKLSVKS	AI12.B1.3	SPLENIC CD8+ Vax-Ja40 Va4-Ja33	CA	V RTY	TGNYKYVFGAGTRLE DSNYQLIWGSGTKLE	IIKPD 1/31
	Vb16-Jb2.3 Vb13-Jb2.7 Vb8.3-Jb2.7 Vb11-Vb2.7	CASSL CAS CASS CASSL	S R GDR	SAETLYFGSGTRLTVL EQYFGPGTRLTVL YEQYFGPGTRLTVL EQYFGPGTRLTVL		Va17.6-Ja26 Va17.4-Ja5 Va17.4-Ja42 Va17.4-Ja42	CAM.R EGG CAM.R EAGT CAM.R V CAM.R V	NYAQGLT? FG????????? QVVGQLTFGRGTRLQVYA SGGSNAKLTFGKGTKLSVKS SGGSNAKLTFGKGTKLSVKS	AI11.A7 AI15.F5 AI11.A5 AI11.B2	Va4-Ja23 Vax-Ja31 Vax-Ja22 Va2-Ja32	CA	A RQI	YNOGKLIFGOGTKLS SNDRIFFGDGTOLN FASALTFGSGTKVI SGNKLIFGTGTLLS	7VKPN 1/31 [VLPY 1/31
	Vb16-Jb2.7 Vb8.1-Jb2.7 Vb8.1-Jb2.4	CASS CASS	SD W G SD T GTGG	YEQYFGPGTRLTVL YEQYFGPGTRLTVL QNTLYFGAGTRLSVL		Va10-Ja42 Va8-Ja52 Va4-Ja12	CAMER W CAL RTAG CAL SG	GGSNAKLT FGKGTKLSVK S ANTGKLTFGGT I LRVH P TGGYKVV FGSGTRLLVS P	ALLI. DZ	Va10-Ja22 Va3-Ja31 Va2-Ja23	CA CA	ADLIFWO L N AS F	WOLIFGSGTOLY NSNNRIFFGDGTOLY YNOGKLIFGOGTKLS	TVMPD 1/31 TVKPN 1/31 SIKPN 1/31
	Vb8.1-Jb2.4 Vb11-Jb2.4 Vb13-Jb2.4 Vb8.2-Jb1.5	CASS CASS CAS CASGD	GTGG WTGGG IKL GG A GGDQ	QNT LYFGAGTRLS VL T LYFGAGTRLS VL QNT LYFGAGTRLS VL A PLFGEGTRLS VL		Va20-Ja56 Va2-Ja43 Va1-Ja53 Va3-Ja37	CAA M A CAAS A W CAVS A CAVS A A	TGGNNKLT FGQGTVLSVI P NNNAPR FGAGTKLSVK P S GGSNYKLT FGKGTLLTVT P GNTRKLI? FG?????????		Va10-Jax Va1-Ja37 Va4-Ja6 Va4-Jax			LSGS FNKTFGAGTR LÆ GNTRKLI FGLGTT LØ SGGNYKPTGGKGTS LV NYAQGLTFGLGTR VS	QVQPD 1/31 VVHPY 1/31
	Vb10-Jb2.7 Vb14-Jb1.6	CASS CAWS	LGQ	YEQYFGPGTRLTVL YNSPLYFAAGTRLTVT		Va18-Ja24 Va4-Ja56 Va5-Ja15	CAT E TT CAL T CAV IIY	AS LGK LQ FGTGTQVVVT P TGGNNK LT FGQGTVLSVI P QGGRALI FGTGTTVSVS P		Va4-Ja13 Va4-Ja23 Va8-Jax Va1-Jax	CA	L SDI L SDF L SEI	NYNOGKLIFGOGTKL	SIKPN 1/31 SIKPN 1/31
	Vb16.1-Jb2.7 Vb16.1-Vb2.7	CASS	SGTD S GTDC	T-CELLS (9 WEEKS) YEQYFGPGTRLTVL EQYFGPGTRLTVL	7/30 1/30	Va17.4-Ja42 Va17.5-Ja42	CAM.R D CAM.R D	+ CD8+ T-CELLS (9 WEEK) SGGSNAKLTFGKGTKLSVKS SGGSNAKLTFGKGTKLSVKS	13/47 6/47	Vax-Ja18 Va7-Ja30 Va1-Ja27	CA CA	V VG LWE GH M SI	DRGSALGRLHFGAGTQLI DTNAYKVIFGKGTHLI NTNTGKLTFGDGTVI	IVIPD 1/31 IVLPN 1/31 LTKPN 1/31
	Vb8.2-Jb2.1 Vb7.1-Jb1.2 Vb13.1-Vb2.1 Vb11.1-Jb2.7	CASG CASS CASS CASSL		Y NYAEQFFGPGTRLTVL  NSDYTFGSGTRLLVI  YAEQFFGPGTRLTVL  SYEQYFGPGTRLTVL	1/30 1/30 1/30 1/30	Va17.5-Ja42 Va17.4/5-Ja42 Va17.6-Ja42 Va17.5-Ja45	CAM.R V CAM.R D CAM.R D CAM.R D	SGGSNAKLTFGKGTKLSVKS SGGSNAKLTFGKGTKLSVKS TGGADRLTFGKGTQLIIQP	1/47 11/47 8/47 1/47	Val-Ja22 Vax-Ja32 Vax-Jax Val0-Ja58	CA CA	TEPQEET		SVKPN 1/31 SWFIH 1/31 SVSPD 1/31
	Vb8.1-Jb1.5 Vb8.1-Jb2.7 Vb8.1-Jb2.7 Vb8.1-Jb2.7	CASSD CASS CASS	GDN	A PLFGEGTRLSVL SYEQYFGPGTRLTVL YEQYFGPGTRLTVL YEQYFGPGTRLTVL	1/30 1/30 1/30 1/30	Va17.4-Ja53 Va17.5-Ja53 Va5.2-Ja31 Va3.5-Ja30	CAM SN CAV SAY	SGGSNYKLTFGKGTLLTVTP SGGSNYKLTFGKGTLLTVTP NNRIFFGDGTQLVVKP TNAYKVIFGKGTHLHVLP	2/47 1/47 2/47 1/47	Vax -Ja58 Vax -Ja58 Van -Ja58 Va7 -Jax	C C CA		KG QQGTGSKLSFGKGAKLT	TVSPD 1/31 TVSPD 1/31
	Vb14.1-Jb2.1 Vb8.2-Jb2.7 Vb14.1-Vb2.1	CAWS CASG CAWS	PGQD G DS L GLA	YAEQFFGPGTRLTVL SYEQYFGPGTRLTVL YAEQFFGPGTRLTVL	1/30 1/30 1/30	Va4.9-Ja30		TNAYKVI FGKGTHLHVLP	1/47	Va10-Ja22 Va1-Ja39 Va7-Ja9	CA CA	F SA V SH	SSGSWQLIFGSGTQLA NNAGAKLTFGGGTRLA	TVMPD 1/31 TVRPD 1/31
	Vb2.1-Jb2.3 Vb8.1-Jb2.7 Vb6.1-Jb2.7 Vb16.1-Jb2.7	CTCS CAS CASS CASSL	MVD W GS	AETLYFGSGTRLTVL SYEQYFGPGTRLTVL SYEQYFGPGTRLTVL YEQYFGPGTRLTVL	1/30 1/30 1/30 1/30					Val7+ REARRAN Val7.5-Ja42 Val7.5-Ja42 Val7.5-Ja48	CA	M.R M.R	IC CD8+ T-CELLS; 8-10 W EW T GGSNAKLTFGKGTK E SGGSNAKLTFGKGTK EA NYGNEKITFGAGTK	KLSVKS 3/17 KLSVKP 1/17
	Vb8.1-Jb2.1 Vb2.1-Jb2.1 Vb8.1-Jb2.4 Vb8.1-Jb2.4	CASS CTCS CASSD CASSD	PE	NYAEQFFGPGTRLTVL YAEQFFGPGTRLTVL NTLYFGAGTRLSVL SQNTLYFGAGTRLSVL	1/30 1/30 3/30 1/30					Va17.5-Ja48 Va17.5-Jax Va17.5-Ja ? Va17.5-Ja53	CA CA	M.R M.R M.R	EGQ R KITFGAGTK E YYSNNRLTLGKGTQ E TNNNAPRFGAGTK E N.SGGSNYKPTFGKGTI	CLTIKP 1/17 DVVVLP 1/17 CLTVKP 1/17
	Vb11.1-Jb2.4 Vb8.1-Jb2.4	CASSL	. A	QNTLYFGAGTRLSVL SQNTLYFGAGTRLSVL	1/30 1/30					Va17.5-Ja2 Va17.5-Ja13 Va17.5-Ja49 Va17.4-Ja9	CA CA	M. R	ENT GGLSGKLTFGEGTÇ ESNSGTYQRFGTGTK SNTGYHNFYFGKGTS	OTVIS 1/17 KLOVVP 1/17 SXTVIP 1/17
	Vb8.1-Jb2.4 Vb8.1-Jb2.7 Vb8.1-Jb2.7	CASSD CASSD CASSD CASS	DR	F T-CELLS (20 WEEKS) SQNTLYFGAGTRLSVL YEQYFGPGTRLTVL YEQYFGPGTRLTVL	1/33 1/33 1/33	Val7.4-Ja42 Val7.5-Ja42 Val7.5-Ja42 Val7.5-Ja42	CAM.R D CAM.R D	+ CD8+ T-CELLS (20 WEEKS) SGGSNAKLTFGKGTKLSVKS SGGSNAKLTFGKGTKLSVKS	17/65 18/65 3/65	Va17.4-Ja11 Va17.6-Ja43 Va17.6-Jax	CA CA	A.M M.R V. M.R	G DSGYNKLTFGKGTVNNNNAPRFGAGTK	TLLVSP 1/17 KLTVKP 1/17
	Vb8.1-Jb2.7 Vb8.1-Jb2.7 Vb8.1-Jb2.7 Vb8.3-Jb2.7	CAS CAS T CAS CASS	'A GD KGS S	YEQYFGPGTRLTVL YEQYFGPGTRLTVL SYEQYFGPGTRLTVL YEQYFGPGTRLTVL	1/33 1/33 1/33 1/33		CAM.R D CAM.R E G	SGGSNYKLTFGKGTLLTVTP SGGSNAKLTFGKGTKLSVKS MPNYNVLYFGSGTKLTVEP SGGSNYKLTFGKGTLLTVTP	2/65 9/65 1/65 1/65					
	Vb16.1-Jb2.4 Vb16.1-Jb2.2 Vb16.1-Jb1.4	CASSL CASS CASSL	YGGSER LA TGKAP	QNT LYFGAGTRLSVL NTGQ LYFGEGSKLTVL NER LFFGHGTKLSVL	1/33 1/33 1/33	Va4.9-Ja18 Va3.x-Ja23 Va8.x-Ja42	CALS DR CAVS AV CAL RLR	GSALGRHFGAGTQLIVIP YNQGKLIFGQGTKLSIKP SGGSNAKLTFGKGTKLSVKS	1/65 1/65 1/65					
	Vb16.1-Jb2.3 Vb2.1-Jb2.4 Vb2.1-Jb2.7 Vb11.1-Jb2.4	CASS CTCS CTCS CASS		ETLYFGSGTRLTVL NTLYFGAGTRLSVL EQYFGPGTRLTVL SQNTLYFGAGTRLSVL	1/33 1/33 1/33 1/33	Va10-Ja43 Va5.2-Ja48 Va8-Ja41 Va1.3-Ja22	CAM A CAV SA CAL KGN CAVS S	ANNNAPR FGAGTKLTVK P GYGNEKIT FGAGTKLTIK P NNAGAKLT FGGGTRLTVR P SGSWQLI FGSGTQLTVMP	1/65 2/65 1/65 1/65					
	Vb11.1-Jb2.7 Vb8.1-Jb2.7 Vb8.1-Jb2.7 Vb8.2-Jb2.7	CASSL CAS CAS CASG	EGG TA GD	YEQYFGPGTRLTVL YEQYFGPGTRLTVL YEQYFGPGTRLTVL YEQYFGPGTRLTVL	1/33 1/33 2/33 1/33	Vall-Ja40 Val0.5-Ja37 Va3.1-Ja52 Va8.x-Ja31	CAA ERA CAMERA CAV.R SN ' CAL CN	GNYKYV FGAGTRLKVIA GNTRKLI FGLGTTLQVQ P F GANTGKLT FGHGTILRVH P NNRIF FGDGTQLVVK P	3/65 1/65 1/65 1/65					
	Vb8.1-Jb2.7 Vb8.1-Jb2.7 Vb8.1-Jb2.7	CASSD CAS CAS	EQ TA RD KGG S	YEQYFGPGTRLTVL YEQYFGPGTRLTVL SYEQYFGPGTRLTVL	2/33 1/33 1/33				27					
	Vb8.1-Jb2.7 Vb8.3-Jb2.4 Vb13.1-Jb1.2 Vb11.1-Jb2.7	CASS CASSD CAS S CASS	LDF RD S	YEQYFGPGTRLTVL YEQYFGPGTRLTVL SA NSDYTFGSGTRLLVI SYEQYFGPGTRLTVL	1/33 1/33 2/33 1/33									
	Vb11.2-Jb2.5 Vb12.1-Jb2.5 Vb10.1-Jb2.7 Vb11.1-Jb2.7	CASSF CASSL CASS CASS	D W GV	QDTQYFGPGTRLLVL  QDTQYFGPGTRLLVL  SYEQYFGPGTRLTVL  SYEQYFGPGTRLTVL	1/33 1/33 1/33 1/33									
	Vb11.1-Jb2.7 Vb11.1-Jb2.4	CASS CASSL	WGD W G DYW G S	YEQYFGPGTRLTVL	1/33 1/33	TET ET DEDTVE	NOD A7 TETOANED	- CD8+ T-CELLS (9 WEEKS)						
	Vb11.1-Jb2.7 Vb6.1-Jb1.4 Vb8.1-Jb2.4	CASSL CASS CASS	GP GQGV R GQGI EGQGI	YEQYFGPGTRLTVL SNERLFFGHGTKLSVV QNTLYFGAGTRLSVL	2/33 1/33 1/33	Va17.6-Ja42 Va17.6-Ja48 Va17.6-Ja53	CAM.R D CAM.R E CAM.R SN	SGGSNAKLTFGKGTKLSVKS S NYGNEKITFGAGTKLTIKP S GGSNYKLTFGKGTLLTVTP	4/42 1/42 1/42					
	Vb14.1-Jb2.1 Vb2.1-Jb2.7 Vb6.1-Jb2.7 Vb12.1-Jb2.7		AID W GG	YAEQFFGPGTRLTVL YEQYFGPGTRLTVL SYEQYFGPGTRLTVL SYEQYFGPGTRLTVL	1/33 2/33 1/33 1/33	Va17.6-Ja11 Va17.4/5-Ja18 Va3-Ja23 Va8.11-Ja49	CAM.R G. CAM.R G. CAM.R M G CAL R	Y GGSGNKLIFGTGTLLSVKP SALGRLHFGAGTQLIVIP YNQGKLIFGQGTKLSIKP TGYQNFYFGKGTSLTVIP	2/42 1/42 1/42 1/42					
	Vb14.1-Jb1.5 Vb11.1-Jb2.7 Vb11.1-Jb2.7 Vb8.2-Jb2.5	CAW CASSL CASS CASG	TGGQ VPGL GGR PRL GGW RL GG F	APLFGEGTRLSVL EQYFGPGTRLTVL EQYFGPGTRLTVL NQDTQYFGPGTRLLVL	1/33 1/33 1/33 1/33	Va4.4/3-Ja53 Va5.1-Ja49 Va1.3/1-Ja50 Va8.15/8-Ja11	CA L.R CAV R CAV RRT CAL RGGG	SN GGSNYKLTFGKGTLLTVTP STGYQNFYFGKGTSLTVIP SSFSKLVFGQGTSLSVVP SGNKPIFGTGTLLSVKP	1/42 1/42 1/42 1/42					
	Vb13.1-Jb2.2 Vb14.1-Jb1.6 Vb9.1-Jb2.2	CASS CAW CAS	PRL GG R TGG RRL G D	NSDYTFGSGTRLLVI YNSPLYFAAGTRLTVT TGQLYFGEGSKLTVL	1/33 1/33 1/33	Va5.2-Ja18 Va5.2-Ja34 Va4.9-Ja37	CAV PGGRR (CAV RPNTD CAL SDRG	SSALGRLH FGAGTQLIVI P KVV FGTGTRLQVS P NTRKLI FGLGTTLQVQ P	2/42 1/42 1/42					
	Vb16.1-Jb1.3 Vb8.3-Jb2.3 Vb16.1-Jb1.2 Vb8.1-Jb1.3	CASS CASS CASSL CASS	VS LGGRF	TLYFGKGSRLIVV AETYLFGSGTRLTVL SDYTFGSGTRLLVI SGNTLYFGEGSRLIVV	1/33 1/33 1/33 1/33	Va8-Ja27 Va8-Ja23 Va11-Ja22 Va9.2-Ja38	CA SRA CA RMN CAA D CA L EGIN	TNTGKLT FGDGTVLTVK P YNQGKLI FGQGTKLSIK P SSG SWQLI FGSGTQLTVMP VGD NSKLI WGLGT SLVVN P	1/42 1/42 1/42 1/42					
	Vb6.1-Jb1.1 Vb2.1-Jb2.1 Vb11.1-Jb2.5 Vb6.1-Jb1.4	CASS CTCS CASSL CASS	E GG	TEVFFGKGTRLTVV YAEQFFGPGTRLTVL QDTQYFGPGTRLLVL SNERLFFGHGTKLSVL	1/33 1/33 1/33 1/33	Val0.9-Ja50 Val0.8-Ja9 Val0-Ja31 Va3.6/7-Ja21	CAM E CAM EP CAM D CAVS AP	S SSS FSKLV FGQGTSLSVV P MGYKLT FGTGTSLLVD P NNRI F FGDGTQLVVR P NYNVLY FGSGTKLTVE P	1/42 1/42 1/42 1/42					
	Vb2.1-Jb2.3 Vb16.1-Jb2.7 Vb16.1-Jb2.7	CTCS CASS	AGL GV SGTD GTD	AET LYFGSGTRLTVL YEQYFGPGTRLTVL YEQYFGPGTRLTVL	1/33 1/33 1/33	Va8-Ja7 Va1.8/2-Ja15 Va2-Ja12	CALS V CAA CAA GG	YSNNRLTLGKGTQVVVLP SN QGGRALI FGTGTTVSVS P TGGYKVV FGSGTRLLVS P	1/42 1/42 1/42					
	Vb8.1-Jb2.7 Vb11.1-Jb2.5 Vb14.1-Jb2.7 Vb13.1-Jb2.3	CAS CASS CAWS CASS	TGLAPT PYRS	TOYFGPGTRLTVL  TOYFGPGTRLTVL  SYEOYFGPGTRLTVL  SAETLYFGSGTRLTVL	1/33 1/33 1/33 1/33	Va8.11-Ja40 Va5.1-Ja39 Va13.7-Ja15 Va5.2-Ja22	CA S CA GN CAV CAV I	NNA GAK LT FGGGTRLTVR P	1/42 1/42 1/42 1/42					
	Vb16.1-Jb2.7 Vb2.1-Jb1.6	CASS CTCS	F I ADL	SYEQYFGPGTRLTVL NSPLYFGFAAGTRLTVT	1/33 1/33	Va18.1/2-Ja13 Va9-Ja27 Va4-Ja23 Va10-Ja30	CAL WEL	NTNTGKLT FGDGTVLTVK P YNQGKLI FGQGTKLIK P	1/42 2/42 2/42 1/42					
	ISLET-DERIVED Vb12.1-Jb2.5 Vb16.1-Jb2.5	CASSL	D W GV	T-CELLS (20 WEEKS)  QDTQYFGPGTRLLVL  QDTQYFGPGTRLLVL	6/38 1/38		NRP-A7 TETRAMER	- CD8+ T-CELLS (20 WEEK) SGGSNAKLTFGKGTKLSVKS	4/30 1/30					
	Vb10.1-Jb2.7 Vb10.1-Jb2.7 Vb12.1-Jb2.2	CASS CASS	TDW YDYW WG	SYEQYFGPGTRLTVL YEQYFGPGTRLTVL Y TGQLYFGEGSKLTVL	1/38 1/38 1/38	Va17.5-Ja42 Va17.5-Ja42 Va17.5-Ja45	CAM.R EG I CAM.R KG I CAM.R GTG	R GSNAKLTFGKGTKLSVKS R GSNAKLTFGKGTKLSVKS GADRLTFGKGTQLIIQP	1/30 1/30 1/30					
	Vb16.1-Jb2.5 Vb12.1-Jb2.4 Vb8.2-Jb2.1 Vb10.1-Jb2.7	CASSL CASS CASGD CASS	WTGV	QDTQYFGPGTRLLVL NTLYFGAGTRLSVL YAEQFFGPGTRLTVL EQYFGPGTRLTVL	1/38 1/38 1/38 1/38	Va17.5-Ja53 Va4.4-Ja31 Va4.9-Ja31 Va4.2-Ja42	CAL GGR CAL SE G CVL GLN	SGGSNYKLTFGKFTLLTVTP NNNNRIFFGDGTQLVVKP NNRIFFGDGTQLVVKP SGGSNAKLTFGKGTKLSVKS	2/30 1/30 1/30 1/30					
	Vb8.3-Jb2.1 Vb14.1-Jb2.4 Vb8.3-Jb2.1 Vb8.3-Jb2.2	CASS CAWS CASS	GGLANY LG L GGR	QNT LYFGAGTRLTVL  QNT LYFGAGTRLSVL  (AEQFFGPGTRLTVL  NTGQ LYFGEGSKLTVL	1/38 1/38 1/38 1/38	Va4.11-Ja42 Va4.11-Ja17 Va3.x-Ja45 Va13.1-Ja43	CVLG DR CVLG DRG CAVSA TG CAA R	GGSNAKLTFGKGTKLSVKS AGNKLTFGIGTRVLVRP	1/30 1/30 1/30 1/30					
	Vb8.3-Jb2.1 Vb8.3-Jb2.4 Vb8.1-Jb2.4	CASSD CASS CASS	ARG NY GRG GRG	QNT LYFGAGTRLSVL  QNT LYFGAGTRLSVL	1/38 1/38 1/38	Va13-Ja56 Va15.1-Ja52 Va15.1-Ja52	AP CAAS GG CAAS SG	TGGNNKLT FGQGTVLSVI P ANTGKLT FGHGT I LGVH P ANTGKLT FGHGT I LGVH P	1/30 1/30 5/30					
	Vb2.1-Jb2.4 Vb6.1-Jb2.7 Vb12.1-Jb2.2 Vb2.1-Jb2.4	CASS CASS		NTLYFGAGTRLSVL YEQYFGPGTRLTVL QDTQYFGPGTRLLVL QNTLYFGAGTRLSVL	1/38 1/38 2/38 1/38	Va10-Ja52 Va4.7-Ja18 Va3.x-Ja49 Va13.1-Ja18	CAME.RN SG CALS D WG CAVSA CAAS G	GSALGRLHFGAGTQLIVIP L TGYQNFYFGKGTSLTVIP	1/30 1/30 1/30 1/30					
	Vb16.1-Jb1.4 Vb12.1-Jb1.1 Vb11.1-Jb2.2 Vb13.1-Jb2.2	CASSL CASX CASS	TGKAP X GL R D	NERLFFGHGTKLSVL NTEVFFGKGTXLTVV SA NSDYTFGSGTRLLVI SA NSDYTFGSGTRLLVI	1/38 1/38 1/38 1/38	Va18-Ja12 Va5.2-Ja34	CATE CAVSR	GTGGYKVV FGSGTRLLVS P SNTDKVV FGTGTRLQVS P	1/30 1/30					
	Vb3.1-Jb1.1 Vb8.3-Jb1.6 Vb11.1-Jb2.5	CASS CAS CASSD CASSL	R DR R R E RA	EVFFGKGTRLTVV NSPLYFAAGTRLTVT NQDTQYFGPGTRLLVL	1/38 2/38 1/38									
	Vb16.1-Jb2.7 Vb8.1-Jb2.4 Vb6.1-Jb2.1	CASSL CASSD CASS	D PT	YEQYFGPGTRLTVL SQNTLYFGAGTRLSVL FFGPGTRLTVL	2/38 1/38 1/38									

Supplementary Figure 1. TCR repertoire of islet-derived, NRP-A7-reactive CD8<sup>+</sup> T cells in 9- *vs*. 20-week-old NOD mice. A, CD8<sup>+</sup> cells, isolated from islets of 15-20 mice/age group (9- or 20-wk-old NOD mice) were stained with NRP-A7 tetramers and anti-CD8 mAb, sorted by flow cytometry into tetramer<sup>+</sup> and tetramer CD8<sup>+</sup> cells, and used as a source of RNA to generate TCR-specific cDNA libraries by anchor-PCR. Figure shows the different VJα and VDJβ rearrangements and junctional sequences that were obtained and the number of copies of each rearrangement/the total number of informative recombinants that were sequenced. The sequences are compared to the 8.3 TCR rearrangements (top), and to the rearrangements expressed by CD8<sup>+</sup> lines and clones propagated from islets of ~5-wk-old NOD mice (second panel from the top (26)). B, TCRα sequences expressed by splenic CD8<sup>+</sup> cells from acutely diabetic NOD mice and Vα17<sup>+</sup> TCRα sequences expressed by splenic CD8<sup>+</sup> cells of pre-diabetic NOD mice.