

Supplemental Tables S1-21: CDR3- β sequences of LCMV or PV NP₂₀₅ sorted CD8 T cells.

No. is the frequency of each unique T cell clone. AA is the length of the CDR3- β loop. CD3AA is the amino acid sequence of the CDR3- β loop supported by the flanking amino acids. BV is the nucleotide sequence of the Variable- β region, N/D/N is the nucleotide sequence of the D region, and BJ is the nucleotide sequence of the Joining- β region. JB is the Joining- β family name. V β 16, V β 5.1, and V β 12 sequences are shown. LCMV indicates an individual mouse that was infected with LCMV, PV indicates a mouse infected with PV. Acute or immune indicates if the mouse was analyzed in the acute phase of the immune response (day 8 after infection) or during the memory phase of the immune response (> 6 weeks after the infection). It is indicated if the sequences are shown in the figures of the paper.

Table S1: V β 16 CDR3 sequences of LCMV NP₂₀₅-specific CD8 T cell clones isolated 8 days after LCMV infection [LCMV 1 acute (Fig 2D)]

No	AA	CDR3 AA	BV	N/D/N	BJ	JB
6	13	ASS-LGGNQDTQY-F	TTAG	GGGGT	AACCAAGACACCCAGT	2.5
3	13	ASS-TGGNQDTQY-F		ACAGGGGGC	AACCAAGACACCCAGT	2.5
2	15	ASS-STGTGGTERLF-F	T	CGACCGGGACAGGGGGAAC	CGAAAGATTAT	1.4
1	13	ASS-LSISNERLF-F	TTA	AGCA	TTTCCAACGAAAGATTATTTT	1.4
1	13	ASS-SGGNQDTQY-F	T	CTGGGGGT	AACCAAGACACCCAGT	2.5
1	13	ASS-LGGAQDTQY-F	TTAG	GGGGGGC	CCAAGACACCCAGT	2.5
1	13	ASS-LRGANTEVF-F		CTCAGGGGTG	CAAACACAGAAGTCTTCT	1.1
1	13	ASS-PGQFGNTLY-F		CCCGGACAGTT	TGGAAATACGCTCTATT	1.3
1	12	ASS-LRGGYEQY-F	TTA	CGTGGGGGG	TATGAACAGT	2.7
1	12	ASS-RDSSYEQY-F		CGGGACAGCTCC	TATGAACAGTACT	2.7

Table S2: V β 16 CDR3 sequences of PV NP₂₀₅-specific CD8 T cell clones isolated 8 days after PV infection [PV 1 acute]

No	AA	CDR3 AA	BV	N/D/N	BJ	JB
4	13	ASS-SGTGGAEQF-F	T	CCGGGACTGGGGG	TGCTGAGCAGTTCT	2.1
1	13	ASS-IGTGGYEQY-F		ATCGGGACTGGGGG	CTATGAACAGTACT	2.7
1	14	ASS-LDRTISNERL-F	TTAG	ACCGGACAA	TTTCCAACGAAAGATTAT	1.4
1	13	ASS-LRGSNTEVF-F	TTA	CGGGGTCTCT	AACACAGAAGTCTTCT	1.1
1	12	ASS-LGGNTEVF-F	TTAG	GAGGG	AACACAGAAGTCTTCT	1.1
1	13	ASS-FTGYDSDYT-F	TT	CACAGGGTACG	ACTCCGACTACACCT	1.2

Table S3: V β 16 CDR3 sequences of PV NP₂₀₅-specific CD8 T cell clones isolated 8 days after PV infection [PV 2 acute (Fig 2E)]

No	AA	CDR3 AA	BV	N/D/N	BJ	JB
5	13	ASS-LDQTNSDYT-F	TTAG	ACCAGACAA	ACTCCGACTACACCT	1.2
1	13	ASS-LGGAQDTQY-F	TTAG	GGGGGGCG	CAAGACACCCAGTACT	2.5
1	13	ASS-LGGNQDTQY-F	TT	GGGGGGG	AACCAAGACACCCAGTACT	2.5
1	13	ASS-SGGNQDTQY-F	T	CCGGGGGA	AACCAAGACACCCAGTACT	2.5
1	13	ASS-FGGNQDTQY-F	TT	TGGGGGG	AACCAAGACACCCAGTACT	2.5
1	13	ASS-LGGRPYEQY-F		CTGGGGGGCCGCC	CTATGAACAGTACT	2.7
1	12	ASS-DRNAGQLY-F		GACAGAAACG	CCGGGCAGCTCTACT	2.2
1	12	ASS-RDRTSYEQY-F		CGGGACAGAAC	CTCCTATGAACAGTACT	2.7
1	15	ASS-LAGTGAAETLY-F	TTAG	CCGGGACAGGGGCC	GCAGAAACGCTGTATT	2.3
1	15	ASS-LSGTGGNTEVF-F		CTCTCCGGGACAGGGGGG	AACACAGAAGTCTTCT	1.1
1	15	ASS-SGLGAYQDTQY-F		TCGGGACTGGGGGCTT	ACCAAGACACCCAGTACT	2.5
1	15	ASS-SSRGYSAETLY-F		TCTAGTAGGGGTTAT	AGTGCAGAAACGCTGTATT	2.3

Table S4: V β 16 CDR3 sequences of LCMV NP₂₀₅-specific CD8 T cell clones isolated > 6 weeks after LCMV infection [LCMV 1 immune (Fig 5B)]

No	AA	CDR3 AA	BV	N/D/N	BJ	JB
5	13	ASS-LGGNQDTQY-F	TTAG	GGGGG	AACCAAGACACCCAGT	2.5
5	13	ASS-LSISNERLF-F	TTA	AGCA	TTTCCAACGAAAGATTAT	1.4
3	13	ASS-LGGNQDTQY-F	TTAG	GGGGT	AACCAAGACACCCAGT	2.5
3	14	ASS-LDRTGGGEQY-F	TTAG	ACCGGACAGGGGGCGG	TGAACAGT	2.7
2	13	ASS-LGGNQDTQY-F	TT	GGGGGGG	AACCAAGACACCCAGT	2.5
2	13	ASS-LGGNQDTQY-F		CTGGGGGGA	AACCAAGACACCCAGT	2.5
1	13	ASS-LGGNQDTQY-F		CTGGGGGGG	AACCAAGACACCCAGT	2.5
1	13	ASS-NGGNQDTQY-F		AATGGGGGA	AACCAAGACACCCAGT	2.5
1	13	ASS-PGTGGFEQY-F		CCCGGGACTGGGGGATT	TGAACAGT	2.7
1	13	ASS-KDRSSYEQY-F		AAGGACAGGAG	CTCCTATGAACAGT	2.7
1	13	ASS-LRGANTEVF-F		CTCAGGGGTG	CAAACACAGAAGTCT	1.1
1	13	ASS-HRGGDTEVF-F		CACAGGGGGGGG	ACACAGAAGTCT	1.1
1	13	ASS-FQGQYAEQF-F	TT	CCAGGGACAG	TATGCTGAGCAGT	2.1
1	13	ASS-RDRITGQLY-F		CGGGACAGAAT	CACCGGGCAGCTCT	2.2
1	14	ASS-LDRTGGGEQY-F	TTAG	ACCGGACAGGGGGCGGC	GAACAGT	2.7
1	14	ASS-PGQSGNTLY-F		CCCGGACAG	TCTGGAAATACGCTCT	1.3
1	15	ASS-PMGGRDAETLY-F		CCAATGGGGGGCGCGA	TGCAGAAACGCTGT	2.3
1	11	ASS-LGVYEQY-F	TTAG	GAGTT	TATGAACAGT	2.7

Table S5: V β 16 CDR3 sequences of LCMV NP₂₀₅-specific CD8 T cell clones isolated > 6 weeks after LCMV infection [LCMV 2 immune (Fig 5D)]

No	AA	CDR3 AA	BV	N/D/N	BJ	JB
2	13	ASS-FGNANSDYT-F	TT	TGGAAATG	CAAACCTCCGACTACACCT	1.2
2	13	ASS-LGGNQDTQY-F	TT	GGGGGGT	AACCAAGACACCCAGTACT	2.5
1	13	ASS-FQGGNQAPL-F	TT	CCAGGGTGGGA	AACCAGGCTCCGCTTT	1.5
1	13	ASS-LGGNQDTQY-F	TTAG	GAGGA	AACCAAGACACCCAGTACT	2.5
1	14	ASS-LDGGQDTQYF-F	TTAG	ATGGGGG	CCAAGACACCCAGTACT	2.5
1	13	ASS-LAGAQDTQY-F	TTAG	CGGGGG	CCCAAGACACCCAGTACT	2.5
1	13	ASS-SLGGADTQY-F		AGTCTGGGGGGCGCGG	ACACCCAGTACT	2.5
1	13	ASS-WVGVEAEQF-F	T	GGGTGGGGGT	CTATGCTGAGCAGTTCT	2.1
1	13	ASS-LTGGYAEQF-F	TTA	ACAGGGGG	CTATGCTGAGCAGTTCT	2.1
1	13	ASS-PGTNTVEF-F		CCTACAGGGA	CAAACACAGAAGTCTTCT	1.1
1	13	ASS-SDRNTGQLY-F	T	CGGACAG	AAACACCGGGCAGCTCTACT	2.2
1	13	ASS-PWGGADEQY-F		CCCTGGGGGGGGCGCAG	ATGAACAGTACT	2.7
1	12	ASS-FGATGQLY-F	TT	CGGGGC	CACCGGGCAGCTCTACT	2.2
1	12	ASS-WTANSDYT-F	T	GGACAG	CAAACCTCCGACTACACCT	1.2
1	12	ASS-LIGQNTLY-F	TTA	ATAG	GTCAAAACACCTTGACT	2.4
1	12	ASS-QDRGREQY-F		CAGGACAGGGGGCGA	GAACAGTACT	2.7
1	14	ASS-FGTVSNERLF-F	TT	CGGGACAG	TTTCCAACGAAAGATTATTTT	1.4
1	14	ASS-RDRGRDERLF-F		CGGGACAGGGGAAGGG	ACGAAAGATTATTTT	1.4
1	15	ASS-TSGTGGADTLY-F		ACCTCCGGGACAGGGGGCGCGG	ATACGCTCTATT	1.3
1	15	ASS-RLGGPNTGQLY-F		CRACTGGGGGGTC	CAAACACCGGGCAGCTCTACT	2.2

Table S6: V β 16 CDR3 sequences of LCMV NP₂₀₅-specific CD8 T cell clones isolated > 6 weeks after LCMV infection [LCMV 3 immune (Fig 6B)]

No	AA	CDR3 AA	BV	N/D/N	BJ	JB
3	13	ASS-IGGNQDTQY-F		ATTGGGGGT	AACCAAGACACCCAGTACT	2.5
2	13	ASS-LGGNQDTQY-F	TTAG	GGGGT	AACCAAGACACCCAGTACT	2.5
2	13	ASS-HRGGDTEVF-F		CACAGGGGGGGGG	ACACAGAAGTCTTCT	1.1
1	13	ASS-LGGNQDTQY-F	TTAG	GGGGG	AACCAAGACACCCAGTACT	2.5
1	13	ASS-LGGAQDTQY-F	TTAG	GGGGGGCG	CAAGACACCCAGTACT	2.5
1	13	ASS-PDRTSYEQY-F		CCCGACAGGAC	CTCCTATGAACAGTACT	2.7
1	14	ASS-LDRTGGGEQY-F	TTAG	ACCGGACAGGGGGCGG	TGAACAGTACT	2.7
1	12	ASS-LDGYEQY-F	TTAG	ACGGG	TATGAACAGTACT	2.7

Table S7: V β 16 CDR3 sequences of LCMV NP₂₀₅-specific CD8 T cell clones isolated > 6 weeks after LCMV infection [LCMV 4 immune]

No	AA	CDR3 AA	BV	N/D/N	BJ	JB
2	13	ASS-SGGAQDTQY-F	T	CTGGGGGGGCG	CAAGACACCCAGTACT	2.5
2	13	ASS-PGQSGNTLY-F		CCCGGACAG	TCTGGAAATACGCTCTATT	1.3
1	13	ASS-SGGNQDTQY-F	T	CGGGGGGT	AACCAAGACACCCAGTACT	2.5
1	13	ASS-LGGNQDTQY-F	TTAG	GGGGT	AACCAAGACACCCAGTACT	2.5
1	13	ASS-IGGNQDTQY-F		ATTGGGGGT	AACCAAGACACCCAGTACT	2.5
1	13	ASS-LAGNQDTQY-F	TTAG	CGGGT	AACCAGGACACCCAGTACT	2.5
1	13	ASS-LSISNERLF-F	TTA	AGCA	TTTCCAACGAAAGATTATTTT	1.4
1	13	ASS-ELGGRGEQY-F		GAAGTGGGGGGGCGCGG	TGAACAGTACT	2.7
1	13	ASS-EDRSSYEQY-F		GAGGACAGGAG	CTCCTATGAACAGTACT	2.7
1	13	ASS-AGQLYAEQF-F		GCCGGACAGCT	CTATGCTGAGCAGTTCT	2.1
1	13	ASS-LWRRNTEVF-F	TT	ATGGAGGAGG	AACACAGAAGTCTTCT	1.1
1	12	ASS-VGQKDTQY-F		GTGGGACAGA	AAGACACCCAGTACT	2.5
1	15	ASS-LPGGRGQDTQY-F	TTA	CCGGGGGGGCGCGG	CCAAGACACCCAGTACT	2.5

Table S8: V β 16 CDR3 sequences of LCMV NP₂₀₅-specific CD8 T cell clones isolated > 6 weeks after LCMV infection [LCMV 5 immune]

No	AA	CDR3 AA	BV	N/D/N	BJ	JB
4	13	ASS-SGGNQDTQY-F	T	CGGGGGGG	AACCAAGACACCCAGTACT	2.5
2	13	ASS-SGGNQDTQY-F	T	CTGGGGGT	AACCAAGACACCCAGTACT	2.5
2	13	ASS-PGGNQDTQY-F		CCCGGGGGG	AACCAAGACACCCAGTACT	2.5
2	13	ASS-LGGAQDTQY-F		CTTGGGGGGGCG	CAAGACACCCAGTACT	2.5
1	13	ASS-LGGAQDTQY-F	TT	GGGGGGTGC	CCAAGACACCCAGTACT	2.5
1	13	ASS-LGGAQDTQY-F	TTAG	GGGGGGC	CCAAGACACCCAGTACT	2.5
1	13	ASS-LGGNQDTQY-F	TTAG	GGGGT	AACCAAGACACCCAGTACT	2.5
1	12	ASS-LGGQDTQY-F	TTAG	GGGGAC	AACAAGACACCCAGTACT	2.5
1	14	ASS-LDRTGGGEQY-F	TTAG	ACCGGACAGGGGCGG	TGAACAGTACT	2.7

Table S9: V β 16 CDR3 sequences of LCMV NP₂₀₅-specific CD8 T cell clones isolated > 6 weeks after LCMV infection [LCMV 6 immune (Fig 7C)]

No	AA	CDR3 AA	BV	N/D/N	BJ	JB
3	13	ASS-LGGNQDTQY-F	TTAG	GGGGT	AACCAAGACACCCAGTACT	2.5
3	15	ASS-YGTGSNQDTQY-F	T	ACGGGACTGGGAGT	AACCAAGACACCCAGTACT	2.5
2	13	ASS-LGGNQDTQY-F	TTAG	GGGGG	AACCAAGACACCCAGTACT	2.5
2	13	ASS-SGGAQDTQY-F	T	CTGGGGGGGC	CCAAGACACCCAGTACT	2.5
1	13	ASS-SGGNQDTQY-F	T	CCGGGGGT	AACCAAGACACCCAGTACT	2.5
1	13	ASS-LLGNQDTQY-F	TTA	CTGGGT	AACCAAGACACCCAGTACT	2.5
1	13	ASS-LRGQDTEVF-F	TTA	CGAGGACAGG	ACACAGAAGTCTTCT	1.1
1	13	ASS-PDGSAETLY-F		CCGGACGGT	AGTGCAGAAACGCTGTATT	2.3
1	14	ASS-LGQSNQDTQY-F	TT	GGGACAGAGT	AACCAAGACACCCAGTACT	2.5
1	12	ASS-FDAYTEVF-F	TT	TGACGCAT	ACACAGAAGTCTTCT	1.1
1	11	ASS-LRVEEQY-F		CTGAGGGTTGAG	GAACAGTACT	2.7

Table S10: V β 16 CDR3 sequences of LCMV NP₂₀₅-specific CD8 T cell clones isolated 8 days after PV infection [LCMV 1 immune + PV acute – longitudinally (Fig 5B)]

No	AA	CDR3 AA	BV	N/D/N	BJ	JB
8	14	ASS-LDRTGGGEQY-F	TTAG	ACCGGACAGGGGGCGG	TGAACAGTACT	2.7
7	13	ASS-HRGSNTEVF-F		CACAGGGGGT	CAAACACAGAAGTCTTCT	1.1
1	13	ASS-LRGANTEVF-F		CTCAGGGGTG	CAAACACAGAAGTCTTCT	1.1
1	13	ASS-LGGNQDTQY-F	TTAG	GGGGT	AACCAAGACACCCAGTACT	2.5
1	13	ASS-SGGNQDTQY-F	T	CGGGGGGG	AACCAAGACACCCAGTACT	2.5

Table S11: V β 16 CDR3 sequences of LCMV NP₂₀₅-specific CD8 T cell clones isolated 8 days after PV infection [LCMV 2 immune + PV acute – longitudinally (Fig 5D)]

No	AA	CDR3 AA	BV	N/D/N	BJ	JB
13	15	ASS-SSRGYSAETLY-F	T	CTAGTAGGGGTTAT	AGTGCAGAAACGCTGTATT	2.3
3	13	ASS-VWGGADTQY-F		GTCTGGGGGGGCGCGG	ACACCCAGTACT	2.5
1	13	ASS-LGGNQDTQY-F	TT	GGGGGGT	AACCAAGACACCCAGTACT	2.5
1	13	ASS-LGGNQDTQY-F	TTAG	GGGGG	AACCAAGACACCCAGTACT	2.5
1	14	ASS-LDRGTDTEVF-F		CTCGACAGGGGGACGG	ACACAGAAGTCTTCT	1.1

Table S12: V β 16 CDR3 sequences of LCMV NP₂₀₅-specific CD8 T cell clones isolated 8 days after PV infection [LCMV 6 immune + PV acute – adoptive transfer (Fig 7C)]

No	AA	CDR3 AA	BV	N/D/N	BJ	JB
8	13	ASS-FDRTTGQLY-F	TT	TGACAGGAC	CACCGGGCAGCTCTACT	2.2
6	13	ASS-LGGNQDTQY-F	TTAG	GGGGT	AACCAAGACACCCAGTACT	2.5
4	13	ASS-YGTGSNQDTQY-F	T	ACGGGACTGGGAGT	AACCAAGACACCCAGTACT	2.5
2	13	ASS-LNGANSDYT-F	TTA	AACGGTG	CAAACCTCCGACTACACCT	1.2
1	13	ASS-LGGNQDTQY-F	TT	GGGGGGG	AACCAAGACACCCAGTACT	2.5
1	13	ASS-LGGSQDTQY-F	TTAG	GGGGTAG	CCAAGACACCCAGTACT	2.5

Table S13: V β 16 CDR3 sequences of LCMV NP₂₀₅-specific CD8 T cell clones isolated 8 days after LCMV infection [LCMV 3 immune + LCMV acute – longitudinally (Fig 6B)]

No	AA	CDR3 AA	BV	N/D/N	BJ	JB
5	13	ASS-LGGAQDTQY-F	TTAG	GGGGGGCG	CAAGACACCCAGTACT	2.5
3	13	ASS-LGGNQDTQY-F	TTAG	GGGGG	AACCAAGACACCCAGTACT	2.5
2	13	ASS-LGGNQDTQY-F	TTAG	GGGGT	AACCAAGACACCCAGTACT	2.5
1	14	ASS-LGQGAPERLF-F		CTAGGACAGGGGCGC	CCGAAAGATTAT	1.4
1	14	ASS-FGQGNQDTQY-F	TT	TGGACAGGGG	AACCAAGACACCCAGTACT	2.5
1	15	ASS-KDWGSSAETLY-F		AAGGACTGGGGGTCT	AGTGCAGAAACGCTGTATT	2.3

Table S14: V β 16 CDR3 sequences of LCMV NP₂₀₅-specific CD8 T cell clones isolated 8 days after LCMV infection [LCMV 4 immune + LCMV acute – longitudinally]

No	AA	CDR3 AA	BV	N/D/N	BJ	JB
6	13	ASS-FGGNQDTQY-F	TT	TGGGGGG	AACCAAGACACCCAGTACT	2.5
6	13	ASS-SGGAQDTQY-F	T	CTGGGGGGGCG	CAAGACACCCAGTACT	2.5
4	13	ASS-SGGNQDTQY-F	T	CTGGGGGT	AACCAAGACACCCAGTACT	2.5
3	13	ASS-LGGNQDTQY-F	TTAG	GGGGG	AACCAAGACACCCAGTACTTTG	2.5
2	13	ASS-SAGQKDTQY-F		AGCGCGGGACAGA	AAGACACCCAGTACT	2.5
1	13	ASS-SGGNQDTQY-F	T	CGGGGGGT	AACCAAGACACCCAGTACT	2.5
1	13	ASS-FGGKEDTQY-F	TT	TGGGGGGAAAGAAG	ACACCCAGTACTTTG	2.5
1	13	ASS-PEGNQDTQY-F		CCTGAGGGT	AACCAAGACACCCAGTACT	2.5
1	16	ASS-LDRTGGDQNTLY-F	TTAG	ACCGGACTGGGGGGG	ACCAAAACACCTTGTACT	2.5

Table S15: V β 16 CDR3 sequences of LCMV NP₂₀₅-specific CD8 T cell clones isolated 8 days after LCMV infection [LCMV 6 immune + LCMV acute – adoptive transfer (Fig 7C)]

No	AA	CDR3 AA	BV	N/D/N	BJ	JB
6	13	ASS-LGGNQDTQY-F	TTAG	GGGGT	AACCAAGACACCCAGTACT	2.5
4	15	ASS-YGTGSNQDTQY-F	T	ACGGGACTGGGAGT	AACCAAGACACCCAGTACT	2.5
2	13	ASS-SGGAQDTQY-F	T	CTGGGGGGGC	CCAAGACACCCAGTACT	2.5
2	13	ASS-FDRTTGQLY-F	TT	TGACAGGAC	CACCGGGCAGCTCTACT	2.2
1	13	ASS-LGGNQDTQY-F	TTAG	GGGGG	AACCAAGACACCCAGTACT	2.5
1	13	ASS-LGGNQDTQY-F	TT	GGGGGGG	AACCAAGACACCCAGTACT	2.5
1	13	ASS-FGGNQDTQY-F	TT	TGGGGGG	AACCAAGACACCCAGTACT	2.5
1	13	ASS-SGGNQDTQY-F	T	CCGGGGGT	AACCAAGACACCCAGTACT	2.5
1	13	ASS-LNGANSDYT-F	TTA	AACGGTG	CAAACCTCCGACTACACCT	1.2
1	11	ASS-LRVEEQY-F	TT	GAGGGTTGAG	GAACAGTACT	2.7

Table S16: V β 5.1 CDR3 sequences of PV NP₂₀₅-specific CD8 T cell clones isolated 8 days after PV infection [PV 2 acute (Fig 2F)]

No	AA	CDR3 AA	BV	N/D/N	BJ	JB
3	11	ASS-LGNSDYT-F	CTC	GGG	AACTCCGACTACACCT	1.1
2	11	ASS-LGNSDYT-F	CT	TGGG	AACTCCGACTACACCT	1.1
2	13	ASS-LARANTEVF-F	CTC	GCCAGGG	CAAACACAGAAGTCTTCT	1.1
2	10	ASS-LGAEQF-F	CTC	GGC	GCTGAGCAGTTCT	2.1
1	11	ASS-LAGGEQY-F	CTC	GCAGGGGGC	GAACAGTACT	2.7
1	11	ASS-LDKDTQY-F	CTC	GACA	AAGACACCCAGTACT	2.5
1	13	ASS-LGSSSYEQY-F	CT	GGGGTCAAG	CTCCTATGAACAGTACT	2.7
1	13	ASS-LGRSSYEQY-F	CT	TGGGAGGAG	CTCCTATGAACAGTACT	2.7
1	13	ASS-LARSSYEQY-F	CTC	GCCAGGAG	CTCCTATGAACAGTACT	2.7
1	13	ASS-LAPSSYEQY-F	CTC	GCCCCGAG	CTCCTATGAACAGTACT	2.7
1	13	ASS-LAGGGYEQY-F	CTC	GCTGGGGGGGGG	TATGAACAGTACT	2.7
1	13	ASS-LDGGALEQY-F	CTC	GATGGGGGGGCGCT	TGAACAGTACT	2.7
1	13	ASS-PGRSSYEQY-F	C	CTGGGAGGAG	CTCCTATGAACAGTACT	2.7
1	13	ASS-LGQSSYEQY-F	CT	GGGACAGAG	CTCCTATGAACAGTACT	2.7
1	9	ASS-LGEQY-F	CTC	GG	TGAACAGTACT	2.7
1	12	ASS-LDSSYEQY-F	CTC	GACAG	CTCCTATGAACAGTACT	2.7

Table S17: V β 5.1 CDR3 sequences of PV NP₂₀₅-specific CD8 T cell clones isolated 8 days after PV infection [PV 3 acute]

No	AA	CDR3 AA	BV	N/D/N	BJ	JB
5	13	ASS-PGDWGYEQY-F	C	CCGGGGACTGGGGT	TATGAACAGTACT	2.7
4	13	ASS-TDMSGNTLY-F		ACAGATAA	TTCTGGAAATACGCTCTATT	1.3
1	13	ASS-PGRSSYEQY-F	C	CGGGACGTAG	CTCCTATGAACAGTACT	2.7
1	13	ASS-LGQGATEVF-F	CT	GGGACAGGGGGC	CACAGAAGTCTTCT	1.1
1	14	ASS-LTGGVQDTQY-F	CT	AACTGGGGGGGT	CCAAGACACCCAGTACT	2.5
1	14	ASS-LVWGGGDEQY-F	CTC	GTTTGGGGGGGTGGGG	ATGAACAGTACT	2.7
1	14	ASS-WTGEGERLF-F		TGGACAGGGAGGAGGG	CGAAAGATTATTTT	1.4
1	12	ASS-LENQDTQY-F	CTC	GAGAA	CCAAGACACCCAGTACT	2.5
1	12	ASS-LLGDAEQF-F	CTC	ACTGGGGG	ATGCTGAGCAGTTCT	2.1
1	15	ASS-QDWGGSSETLY-F	C	AAGACTGGGGGGGT	AGTGCAGAAACGCTGTATT	2.3

Table S18: V β 5.1 CDR3 sequences of LCMV NP₂₀₅-specific CD8 T cell clones isolated > 6 weeks after LCMV infection [LCMV 2 immune (Fig 5E)]

No	AA	CDR3 AA	BV	N/D/N	BJ	JB
2	14	ASS-LETGDNQAPL-F	CTC	GAAACAGGGG	ACAACCAGGCTCCGCTTT	1.5
1	14	ASS-PGRINQDTQY-F	C	CCGGACGGATT	AACCAAGACACCCAGTACT	2.5
1	14	ASS-LGTLNQDTQY-F	CTC	GGGACTCTT	AACCAAGACACCCAGTACT	2.5
1	14	ASS-PGQSGSNTLY-F	C	CGGGACAGGG	TTCTGGAAATACGCTCTATT	1.3
1	14	ASS-LDWASQNTLY-F	CTC	GACTGGGCT	AGTCAAAACACCTTGACT	2.4
1	14	ASS-PRQGTNERLF-F	C	CGAGACAGGGGA	CCAACGAAAGATTATTTT	1.4
1	13	ASS-GTGAQDTQY-F		GGGACTGGGGC	CCAAGACACCCAGTACT	2.5
1	13	ASS-LENYNSPLY-F	CTC	GAAAAC	TATAATTCGCCCTCTACT	1.6
1	13	ASS-PGTGHAEQF-F	C	CCGGGACAGGGC	ATGCTGAGCAGTTCT	2.1
1	13	ASS-LGGPSETLY-F	CT	GGGGGGACCCTCAGAA	CAGAAACGCTGTATT	2.3
1	13	ASS-PYTGAETLY-F	C	CCTACACAGGG	GCAGAAACGCTGTATT	2.3
1	12	ASS-PGGAETLY-F	C	CTGGGG	GTGCAGAAACGCTGTATT	2.3

Table S19: V β 5.1 CDR3 sequences of LCMV NP₂₀₅-specific CD8 T cell clones isolated 8 days after PV infection [LCMV 2 immune + PV acute – longitudinally (Fig 5E)]

No	AA	CDR3 AA	BV	N/D/N	BJ	JB
8	13	ASS-PYTGAETLY-F	C	CCTACACAGGG	GCAGAAACGCTGTATT	2.3
3	13	ASS-PFNSQNTLY-F	C	CCTTCAAT	AGTCAAAACACCTTGACT	2.4

Table S20: V β 5.1 CDR3 sequences of LCMV NP₂₀₅-specific CD8 T cell clones isolated 8 days after PV infection [LCMV immune + PV acute – Mouse 8 (Fig 4C)]

No	AA	CDR3 AA	BV	N/D/N	BJ	JB
16	12	ASS-TDMSGNTLY-F		ACAGATAA	TTCTGGAAATACGCTCTATT	1.3

Table S21: V β 12 CDR3 sequences of LCMV NP₂₀₅-specific CD8 T cell clones isolated 8 days after PV infection [LCMV immune + PV acute – Mouse 1 (Fig 4C)]

No	AA	CDR3 AA	BV	N/D/N	BJ	JB
12	12	ASS-LGGGDEQY-F	TTAG	GTGGGGGGG	ATGAACAGTACT	2.7
1	12	ASS-LGGGDEQY-F	TTAG	GTGGGGGGGAC	GAACAGTACT	2.7