

Supplemental Table 7 – Number of T cells per clonotype (per 100,000 cells) by treatment day in Mel53

Patient	TCR Sequence	Day 1	Day 22 (-Imiquimod)	Day 22 (+Imiquimod)	Day 43
5	TTGCTGGGGGACTCGGCCCTCTATCTCTGTGCCAGCAGCTCCGTACCG CTAGCGGGGGCTCCGTGGGACGAGCAGTACTTCGGGCCG	0.0	-	147.131	99.145
	NTGTCGGCTGCTCCCTCCAGACATCTGTGTACTTCTGTGCCAGCAGT TACGCCCCAGGGGGCTCTGAAAACTGTTTTTGGCAGT	0.0	-	24.522	37.179
	TCCCAGACATCTGTGTACTTCTGTGCCATCAGTGGGGGGGCTGACCGT GCCCCGTCGGGAATAATTCACCCCTCCACTTTGGGAAC	0.0	-	0.0	6.197
	GAGCTGGGGGACTCGGCCCTTATCTTTGCGCCAGCAGCCCAGAGGG AGGCGGAGGGGGACCCATCAGCCCCAGCATTTTGGTGAT	0.0	-	0.0	6.197
6	GCCAAAAGAACCCGACAGCTTCTATCTCTGTGCCAGTAGTATGCAA CGGGAGGCGGGGGACAGATACGCAGTATTTGGCCCA	0.0	0.0	98.692	157.729
	CTGACCTGTCCAATCTGACAGTGACCACTGCCATCTGAAGACAGC AGCTTCTACATCTGCAGTGCTAGCGGGGACTCGGTTCCG	0.0	0.0	30.156	78.864
	CTGACAGTGACCACTGCCATCCTGAAGACAGCAGCTTCTACATCTGC AGTGCGGCGGAGGGTGGTGGACCCAGCATTTTGGTGAT	0.0	0.0	71.278	78.864
	NTGTCGGCTGCTCCCTCCAGACATCTGTGTACTTCTGTGCCAGCAGT GAGCAACAGGGGACGAATTCACCCCTCCACTTTGGGAAC	0.0	0.0	95.951	78.864
	GTGAGCAACATGAGCCCTGAAGACAGCAGCATATATCTCTGCAGCGT TCGTATGAGCGGGGGGCGAGTCGAGCAGTACTTCGGGCCG	0.0	0.0	208.350	78.864
	GTGAGCAACATGAGCCCTGAAGACAGCAGCATATATCTCTGCAGCGT CGCCGCGGCGATCGGGGATCAGCCCCAGCATTTTGGTGAT	0.0	0.0	19.190	78.864
	GAGTCGCCCAGCCCCAACCACTCTGTACTTCTGTGCCAGCAGT TTATCGGGACAGGCGAACACTGAAGCTTTCTTTGGACAA	0.0	0.0	16.449	0.0
	GAGTCGCCCAGCACCACCACTCTATGTACCTCTGTGCCAGCAGT TTGGGACAGCTTAGCAATCAGCCCCAGCATTTTGGTGAT	0.0	0.0	19.190	78.864
	CTGACAGTGACCACTGCCATCCTGAAGACAGCAGCTTCTACATCTGC GGGGCCCTACAGGATTTAGAGACCCAGTACTTCGGGCCA	0.0	0.0	13.707	78.864
	CTGAAGATCCGGTCCACAAAGCTGGAGGACTCAGCCATGTACTTCTGT GCCAGCAGGAAACGAACACTGAAGCTTTCTTTGGACAA	0.0	0.0	183.678	78.864
	ATCCTGAGGATCCAGCAGGTAGTGCGAGGAGATTCGGCAGCTTATTT CTGTGCCAGCTCACCTGGGGTGACCCAGTACTTCGGGCCA	0.0	0.0	71.278	0.0
	AGGATCCAGCAGGTAGTGCGAGGAGATTCGGCAGCTTATTTCTGTGC	0.0	0.0	90.470	78.864

CAGCTCACAAAGACCTGGACGAGGTTTCGGCATTTTGGTGAT				
AGCACCTTGGAGCTGGGGGACTCGGCCCTTTATCTTTGCGCCAGCAG CTTAAACGGGCAGGGGAAGGGGAGCAGTACTTCGGGCCG	0.0	0.0	60.312	78.864
ACGGAGTCAGGGGACACAGCACTGTATTTCTGTGCCAGCAGCAACGC CAAGAGCCTAGCTAGCACAGATACGCAGTATTTGGCCCA	0.0	0.0	16.449	0.0
ACATCGGCCAAAAGAACCCGACAGCTTTCTATCTCTGTGCCAGTAGT ACGTCCGGGACAACCTATTACGAGCAGTACTTCGGGCCG	0.0	0.0	54.829	78.864
ACATCGGCCAAAAGAACCCGACAGCTTTCTATCTCTGTGCCAGTAGT ACCTCCGGGACAGTACACTACGAGCAGTACTTCGGGCCG	0.0	0.0	68.536	78.864
ACAGTGACCAGTGCCCATCTGAAGACAGCAGCTTCTACATCTGCAGT GCTAGTGGACAGGTGGCGACTCGTTACACCTTCGGTTTCG	0.0	0.0	21.932	78.864
AATGTGAGCACCTTGGAGCTGGGGGACTCGGCCCTTTATCTTTGCGCC AGCAGCACGGACAGCGGTGCTGGCTACACCTTCGGTTTCG	0.0	0.0	13.707	78.864
AAGATCCAGCGCACAGAGCGGGGGGACTCAGCCGTGTATCTCTGTGC CAGCAGCTTATTCGGCAGCTATGGCTACACCTTCGGTTTCG	0.0	0.0	208.350	157.729
TCGGTGCTCCCTCCAGACATCTGTGTAATTCTGTGCCAGCAGTTCTC CGGGACTAGCGGGAGCGGGGGAGCAGTTCTTCGGGCCA	0.0	0.0	32.897	0.0
TCGGCCAAAAGAACCCGACAGCTTTCTATCTCTGTGCCAGTAGTACC ACCGGGACAGATCGACCTTACGAGCAGTACTTCGGGCCG	0.0	0.0	41.122	0.0
TCGGCCAAAAGAACCCGACAGCTTTCTATCTCTGTGCCAGTAGTAAC AAAAACCGGGGCGGCACCGGGGAGCTGTTTTTTGGAGAA	0.0	0.0	60.312	0.0
TCGCCAGCCCCAACCAGACCTCTGTACTTCTGTGCCAGCCGACCG GGACAGCCATCCTATAATTCACCCCTCCACTTTGGGAAC	0.0	0.0	21.932	0.0
NTGTCGGTGCTCCCTCCAAACATCTGTGTAATTCTGTGCCAGCAGT TCGTTGGGACAACCCGATTACGAGCAGTACTTCGGGCCG	0.0	0.0	2.741	0.0
NNNNNNNNNTGTCGGTGCTCCCTCCAAACATCTGTGTAATTCTGT TGCCAGCAGTCAAACGATTGGGGAGCTGTTTTTTGGAGAA	0.0	0.0	13.707	0.0
NCTCTACTGTGACATCGGCCAAAAGAACCCGACAGCTTTCTATCTC TGTGCCAGTAGGTCGACCGAAAACTGTTTTTTGGCAGT	0.0	0.0	65.795	0.0
GTGAGCAACATGAGCCCTGAAGACAGCAGCATATATCTCTGCAGCGT TGCCCTCTTTCTCAGGACCGTAAGCCACATTTGGACAA	0.0	0.0	49.346	0.0
GTGACCAGTGCCATCCTGAAGACAGCAGCTTCTACATCTGCAGTGCC GGGGCAGGGTCCAGGCCCGGGGCTACACCTTCGGTTTCG	0.0	0.0	8.224	0.0
GTGACATCGGCCAAAAGAACCCGACAGCTTTCTATCTCTGTGCCAGT	0.0	0.0	13.707	0.0

ATGGGGACAGTGGATGGTTCAACCCTCCACTTTGGGAAC				
GCCCATCTGAAGACAGCAGCTTCTACATCTGCAGTGCTAGGTTGATA GCGGGAGGGGTCCGTGCAGATACGCAGTATTTGGCCCA	0.0	0.0	49.346	0.0
GAGTTGGCTGCTCCCTCCAGACATCTGTGACTTCTGTGCCAGCAGT CGGTCAGGGACACCTGGAACACCATATATTTGGAGAG	0.0	0.0	8.224	0.0
GAGTCCGCTACCAGCTCCAGACATCTGTGACTTCTGTGCCATCAGT GAGTCCGGGGTCCCAAGAGACCCAGTACTTCGGGCCA	0.0	0.0	74.019	0.0
GAGTCCGCCAGCACCAACCAGACATCTATGTACCTCTGTGCCAGCAGT TTGGGACAGTTGAGCAATCAGCCCCAGCATTTTGGTGAT	0.0	0.0	5.483	0.0
GAGTCCGCCAGCACCAACCAGACATCTATGTACCTCTGTGCCAGCAGT TTAGGGCAGCTTAGCAATCAGCCCCAGCATTTTGGTGAT	0.0	0.0	24.673	0.0
CTGACAGTGACCAAGTGCCATCCTGAAGACAGCAGCTTCTACATCTGC AGTGTTCAAGGGGATAATTCACCCCTCCACTTTGGGAAC	0.0	0.0	21.932	0.0
CTGACAGTGACCAAGTGCCATCCTGAAGACAGCAGCTTCTACATCTGC AGTGCTGGCGGAGGGGGCCAGCCCCAGCATTTTGGTGAT	0.0	0.0	13.707	0.0
CTGACAGTGACCAAGTGCCATCCTGAAGACAGCAGCTTCTACATCTGC AGTGCAACGACGGACGACACTGAAGCTTCTTTGGACAA	0.0	0.0	32.897	0.0
CTCAAGATCCAGCCTGCAAAGCTTGAGGACTCGGCCGTGTATCTCTGT GCCAGCAGCCCGGGATTTATGGCTACACCTTCGGTTTCG	0.0	0.0	5.483	0.0
CTCAAGATCCAGCCTGCAAAGCTTGAGGACTCGGCCGTGTATCTCTGT GCCAGCAGCCCGGAATATATGGCTACACCTTCGGTTTCG	0.0	0.0	19.190	0.0
CTAGAGTCTGCCATCCCCAACCCAGACAGCTTTACTTCTGTGCCACCA GTGATTTGAGTACTGCCGATGGCTACACCTTCGGTTTCG	0.0	0.0	30.156	0.0
CTAGAGTCTGCCATCCCCAACCCAGACAGCTTTACTTCTGTGCCACCA GCCGGACAGACCTCACCGGGGAGCTGTTTTTGGAGAA	0.0	0.0	38.380	0.0
CCCAGCCCCAACCCAGACCTCTGTACTTCTGTGCCAGCAGTTTATGGT TCCCAGGGGCGAGCAATCAGCCCCAGCATTTTGGTGAT	0.0	0.0	2.741	0.0
CATCTGAAGACAGCAGCTTCTACATCTGCAGTGCTAGTATCGGGACA GGAAGCTATTATAGCAATCAGCCCCAGCATTTTGGTGAT	0.0	0.0	27.415	0.0
CAGCGCACAGAGCGGGGGACTCAGCCGTGTATCTGTGCCAGCAG CACCCAAAACCTCTGGGGCCAACGTCCTGACTTTCGGGGCC	0.0	0.0	71.278	0.0
CAGCCTGCAGAACTGGAGGATTCTGGAGTTTATTTCTGTGCCAGCAGC CGGGGTACAGGGACGGCCGGGGAGCTGTTTTTGGAGAA	0.0	0.0	16.449	0.0
ATCCAGCGCACAGAGCAGGGGGACTCGGCCATGTATCTCTGTGCCAG	0.0	0.0	10.966	0.0

CAGCTTCGAGACAGAAGGACAGCCCCAGCATTTTGGTGAT				
ATCCAGCTGCAGAGCTTGGGGACTCGGCCGTGTATCTCTGTGCCAG CAGCTTGACAGCAGGTGACACTGAAGCTTTCTTTGGACAA	0.0	0.0	126.107	0.0
AGTGCCCATCCTGAAGACAGCAGCTTCTACATCTGCAGTGCTCAAGGA GATGAAGACAGGGGCCGGGATGGCTACACCTTCGGTTCG	0.0	0.0	41.122	0.0
AGTGCCCATCCTGAAGACAGCAGCTTCTACATCTGCAGTGCTAGAAA GGGGCGGGGACAGGGGGATATGGCTACACCTTCGGTTCG	0.0	0.0	104.175	0.0
ACTCTGACAGTGACCACTGCCATCCTGAAGACAGCAGCTTCTACATC TGCACTGGGGGTTACCCCTCCACTTTGGGAAC	0.0	0.0	2.741	0.0
ACCTTGGAGCTGGGGGACTCGGCCCTTATCTTTGCGCCAGCAGCGCC CACGGAGAACAATCCTACAATGAGCAGTTCTTCGGGCCA	0.0	0.0	46.605	0.0
ACCCTGCAGCCAGAAGACTCGGCCCTGTATCTCTGCGCCAGCAGCCA AAATCCGGGAGCGAACACCGGGGAGCTGTTTTTGGAGAA	0.0	0.0	21.932	0.0
ACCACTGCCATCCTGAAGACAGCAGCTTCTACATCTGCAGTGCTGGG TACGGGGGCGAGGGGAATTCACCCCTCCACTTTGGGAAC	0.0	0.0	79.502	0.0
ACCACTGCCATCCTGAAGACAGCAGCTTCTACATCTGCAGTGCTCTG TTAGCAGGGCTTACCTACAATGAGCAGTTCTTCGGGCCA	0.0	0.0	10.966	0.0
ACATCGGCCAAAAGAACCCGACAGCTTTCTATCTCTGTGCCAGTAGT ATGAGGTCCGGAGGTCAAGAGACCCAGTACTTCGGGCCA	0.0	0.0	123.365	0.0
ACATCGGCCAAAAGAACCCGACAGCTTTCTATCTCTGTGCCAGTAGT ACTAGCGGGAGGGCGCACTACGAGCAGTACTTCGGGCCG	0.0	0.0	208.350	0.0
ACATCGGCCAAAAGAACCCGACAGCTTTCTATCTCTGTGCCAGTAGT ACTAGCGGGACACCGACCTACGAGCAGTACTTCGGGCCG	0.0	0.0	32.897	0.0
ACATCGGCCAAAAGAACCCGACAGCTTTCTATCTCTGTGCCAGTAGT ACCTCCGGGACTCCAATCTACGAGCAGTACTTCGGGCCG	0.0	0.0	30.156	0.0
ACATCGGCCAAAAGAACCCGACAGCTTTCTATCTCTGTGCCAGTAGT ACCTCCGGGACTACTCACTACGAGCAGTACTTCGGGCCG	0.0	0.0	13.707	0.0
ACATCGGCCAAAAGAACCCGACAGCTTTCTATCTCTGTGCCAGTAGT ACCTCCGGGACTCCCACTACGAGCAGTACTTCGGGCCG	0.0	0.0	24.673	0.0
ACATCGGCCAAAAGAACCCGACAGCTTTCTATCTCTGTGCCAGTAGT ACAGCAGGCAAGGCTCATTACGAGCAGTACTTCGGGCCG	0.0	0.0	13.707	0.0
ACAGTGACCACTGCCATCCTGAAGACAGCAGCTTCTACATCTGCAGT GCTCAAAGCGGGGGGAGCTATGGCTACACCTTCGGTTCG	0.0	0.0	60.312	0.0
ACAGTGACCACTGCCATCCTGAAGACAGCAGCTTCTACATCTGCAGT	0.0	0.0	46.605	0.0

	GCTCAAACAGGGGGCAGCTATGGCTACACCTTCGGTTCG				
	AATGTGAGCACCTTGGAGCTGGGGGACTCGGCCCTTTATCTTTGCGCC	0.0	0.0	32.897	0.0
	AGCAGCTTGGACAGGGTGGGTGAAGCTTCTTTGGACAA				

- No evaluable tumor samples.