

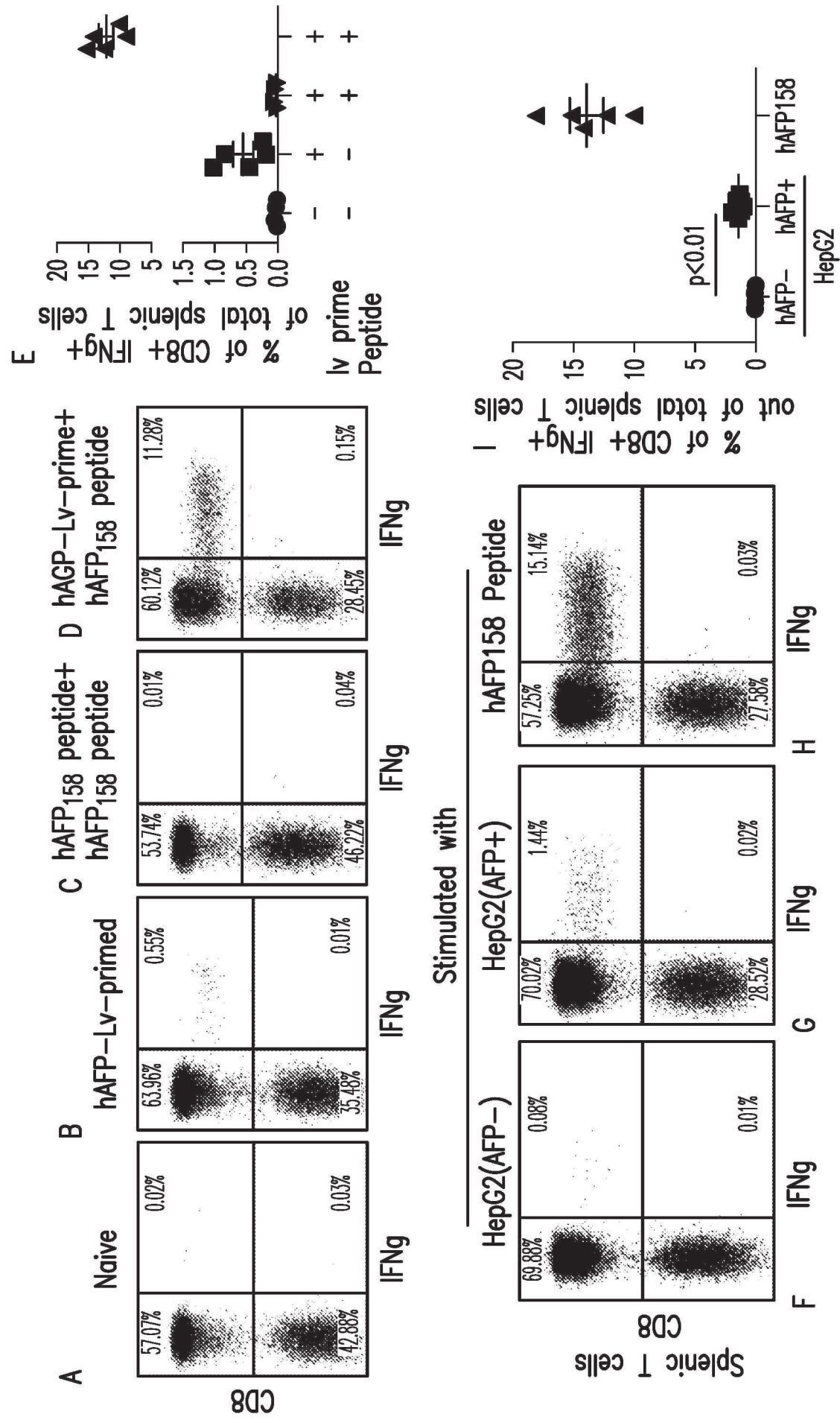


FIG. 1A-1I

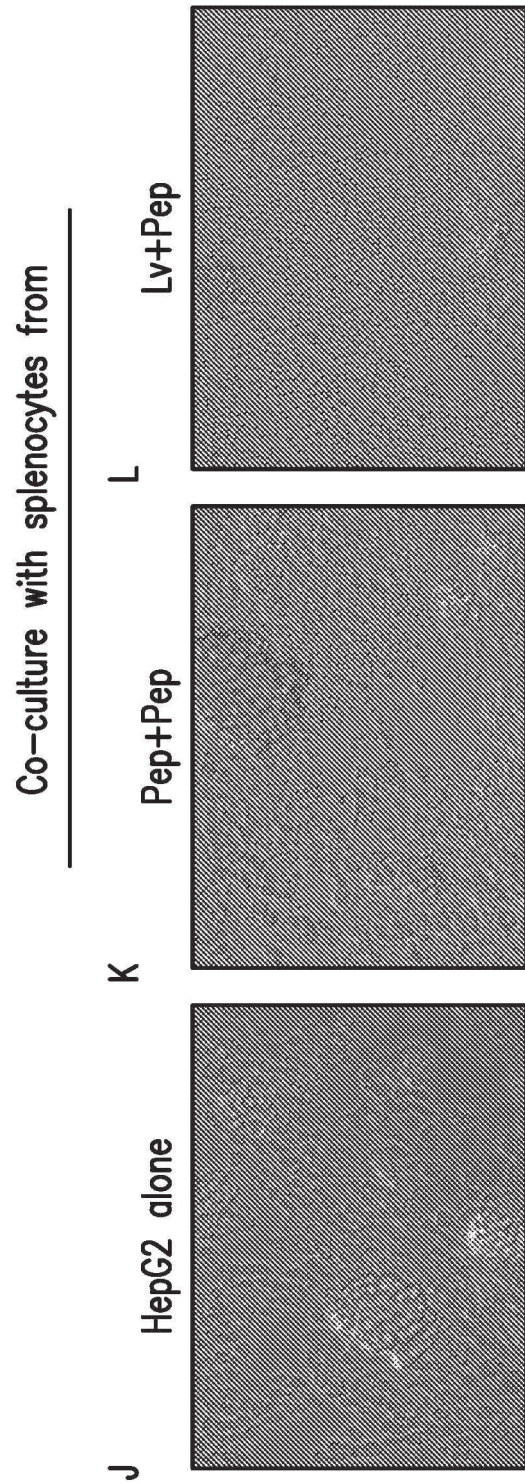
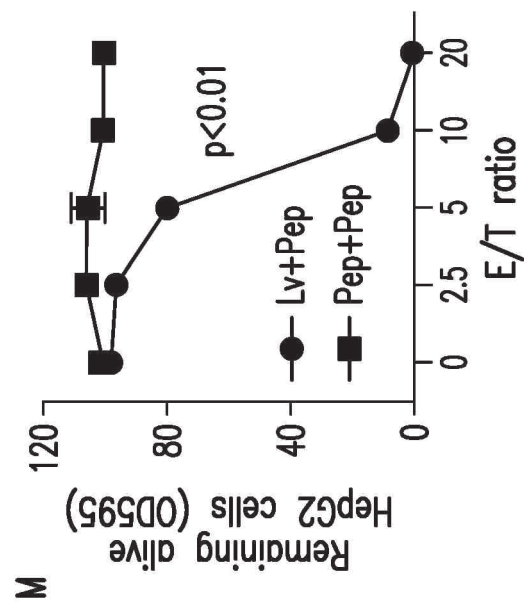


FIG. 1J-1M

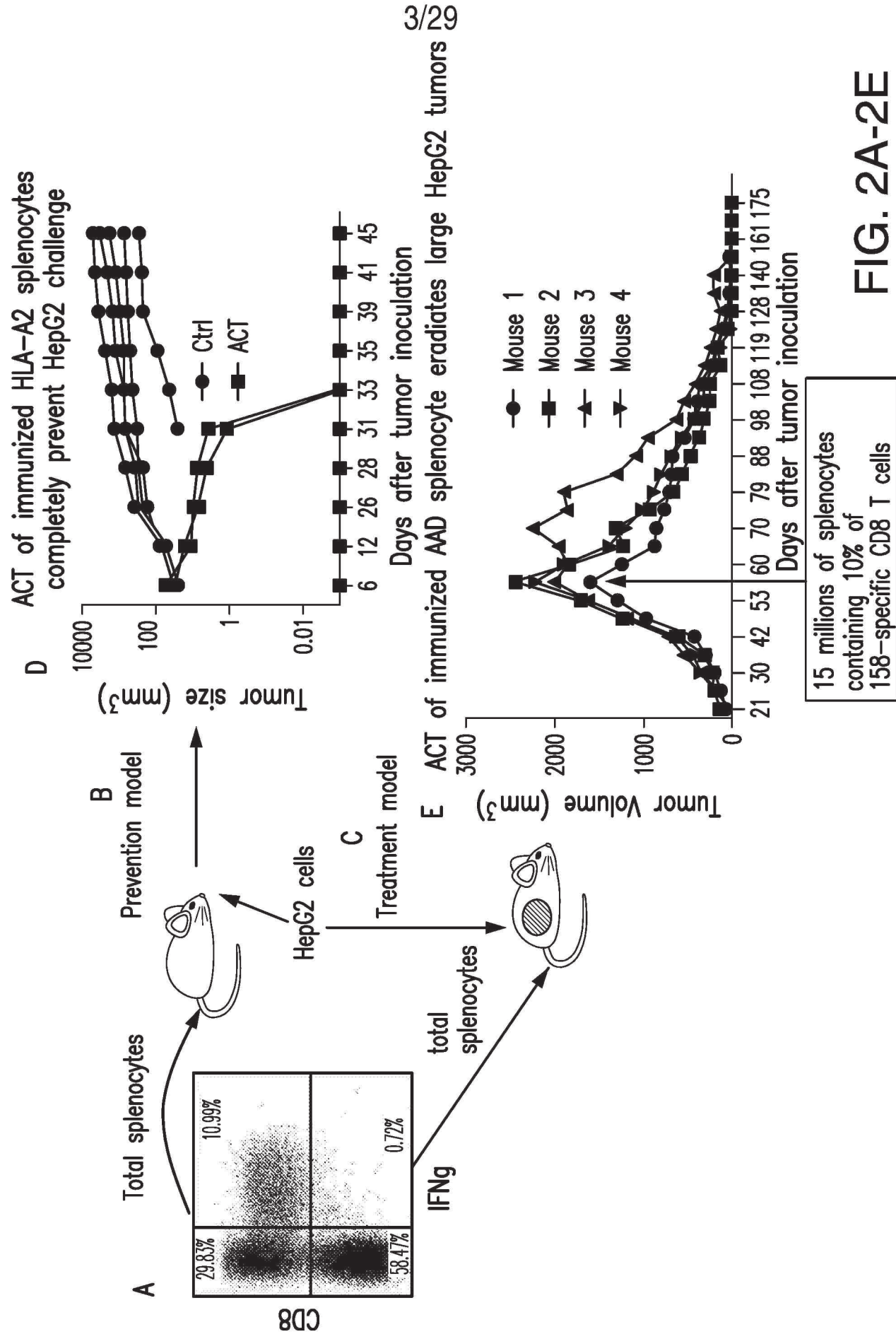


FIG. 2A-2E

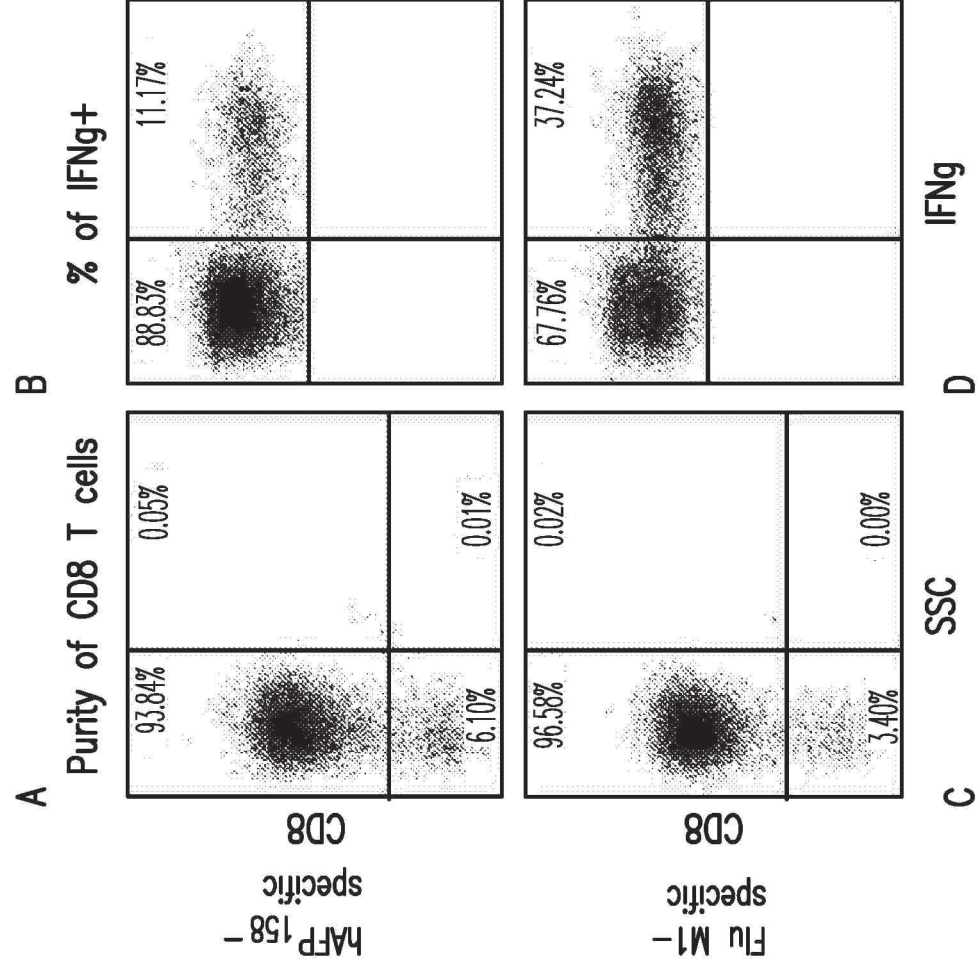
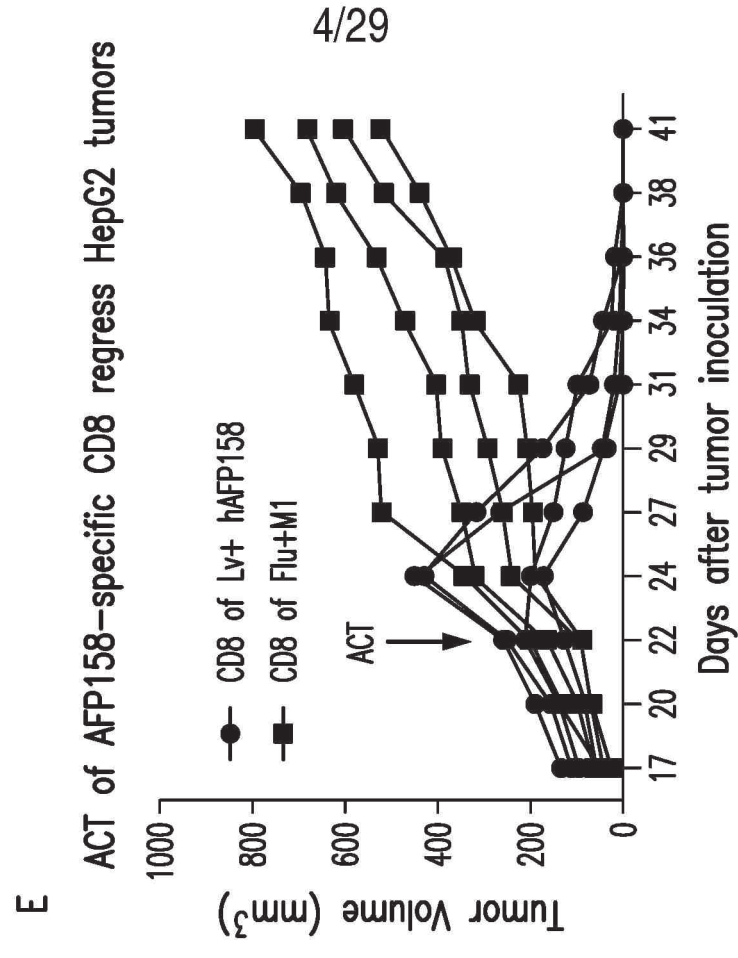


FIG. 3A-3E

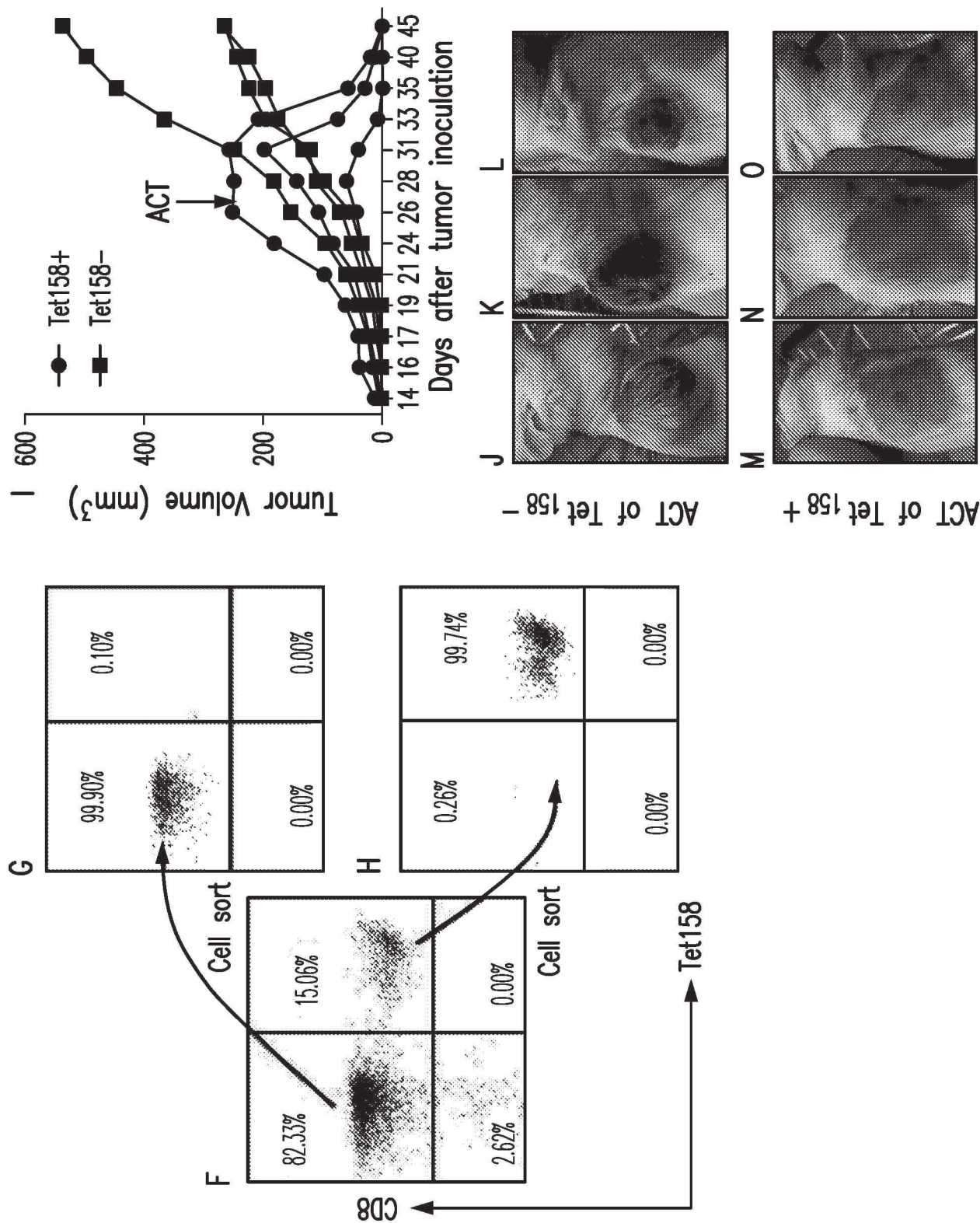


FIG. 3F-3O

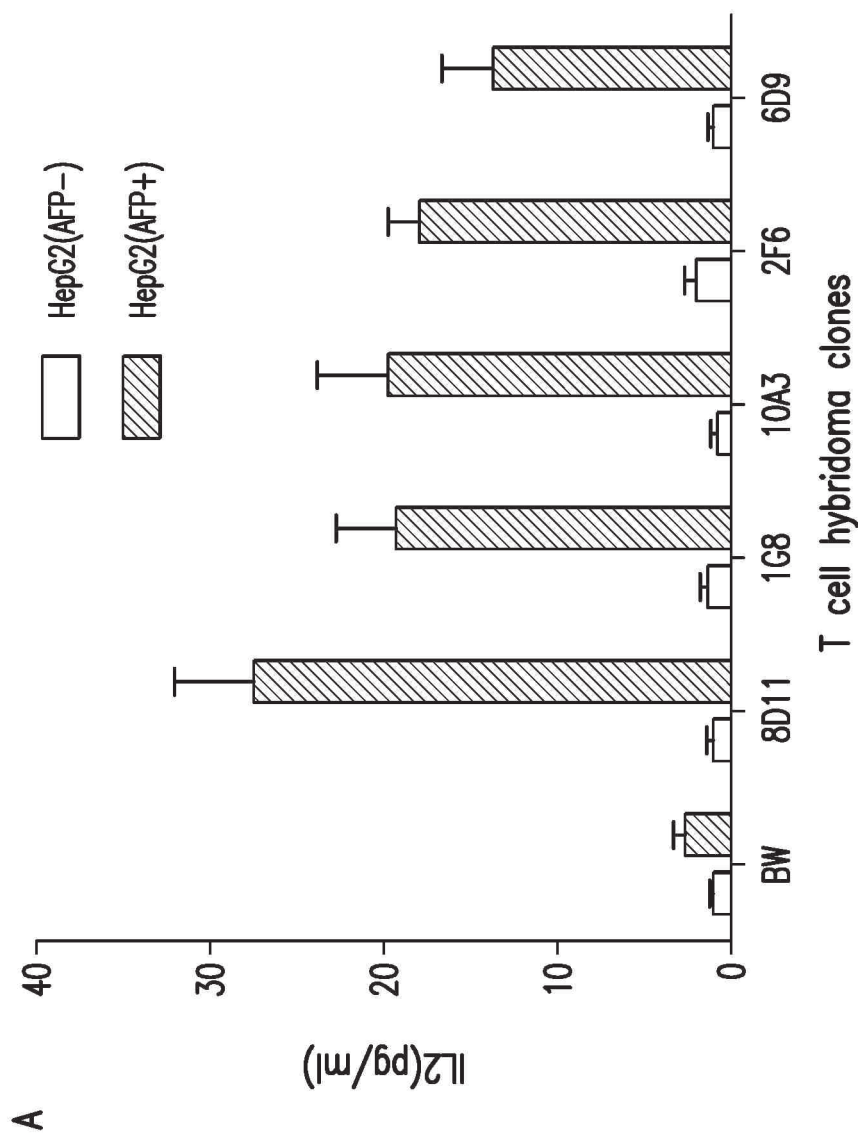


FIG. 4A

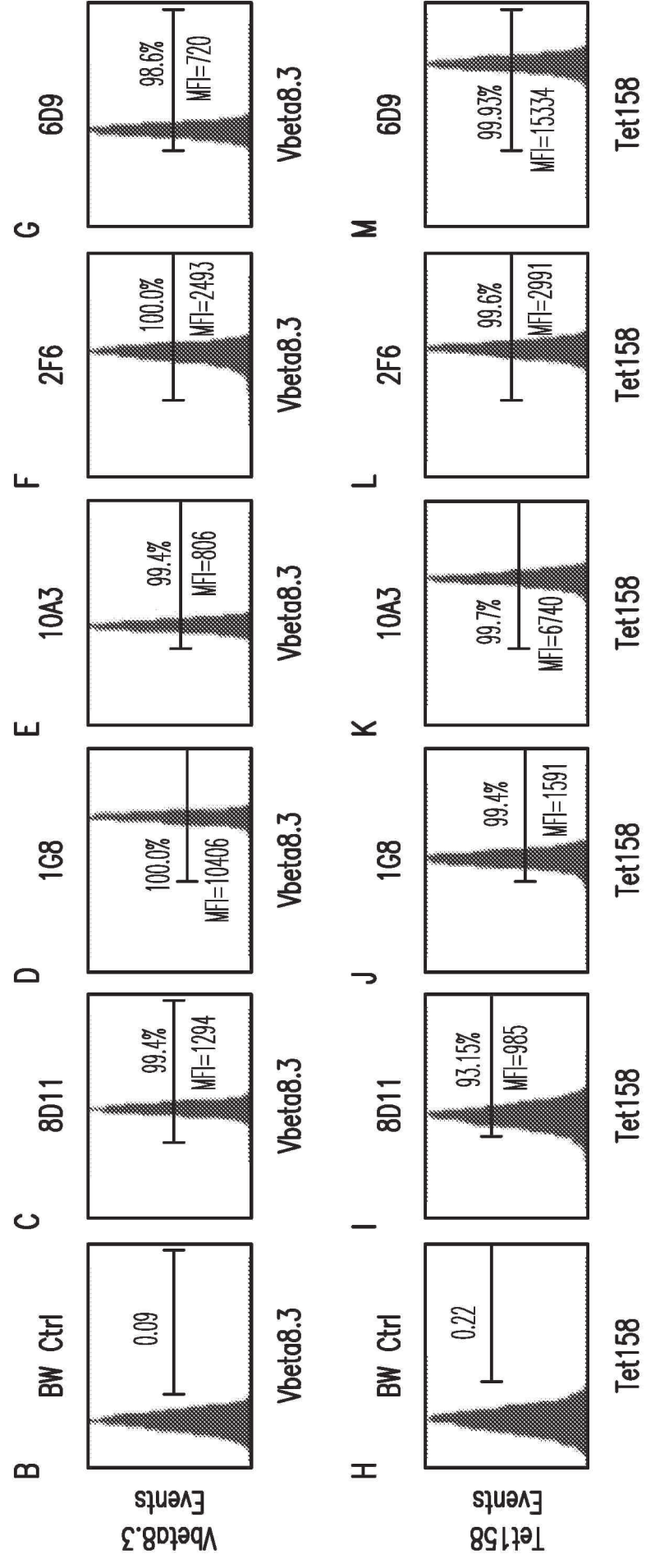


FIG. 4B-4M

A TCR expressing recombinant lv

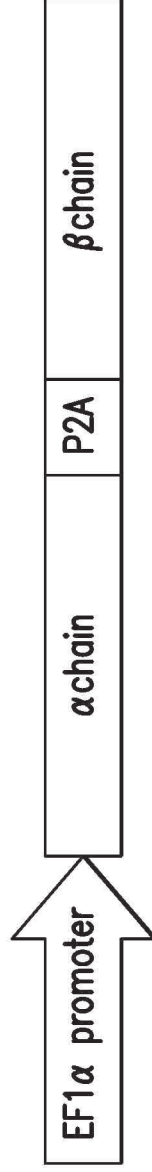


FIG. 5A

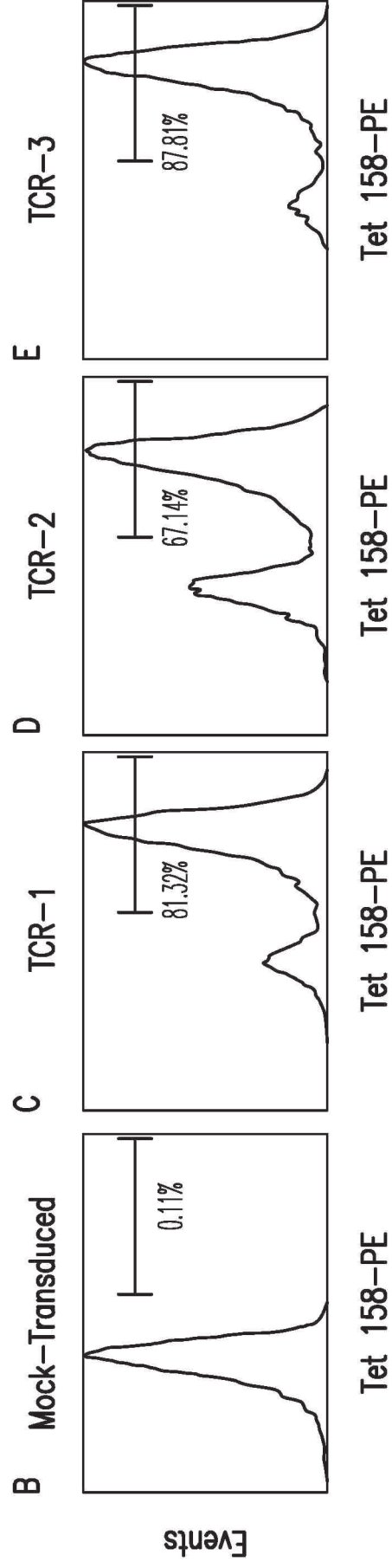
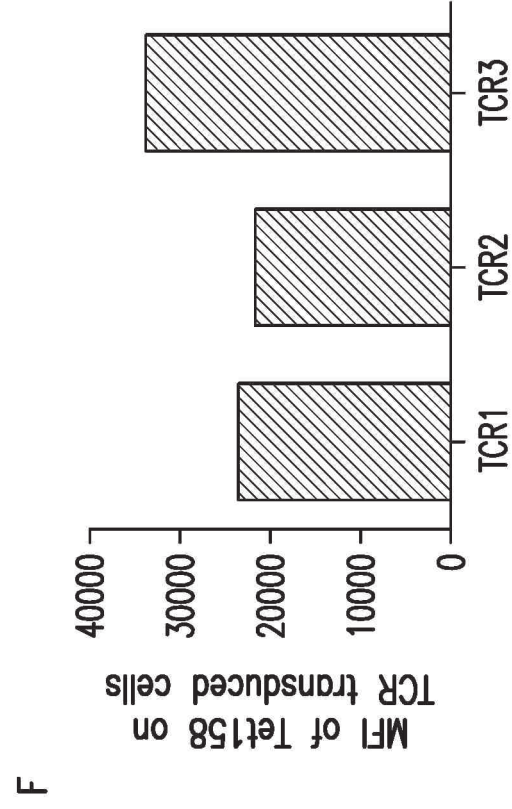


FIG. 5B-5F

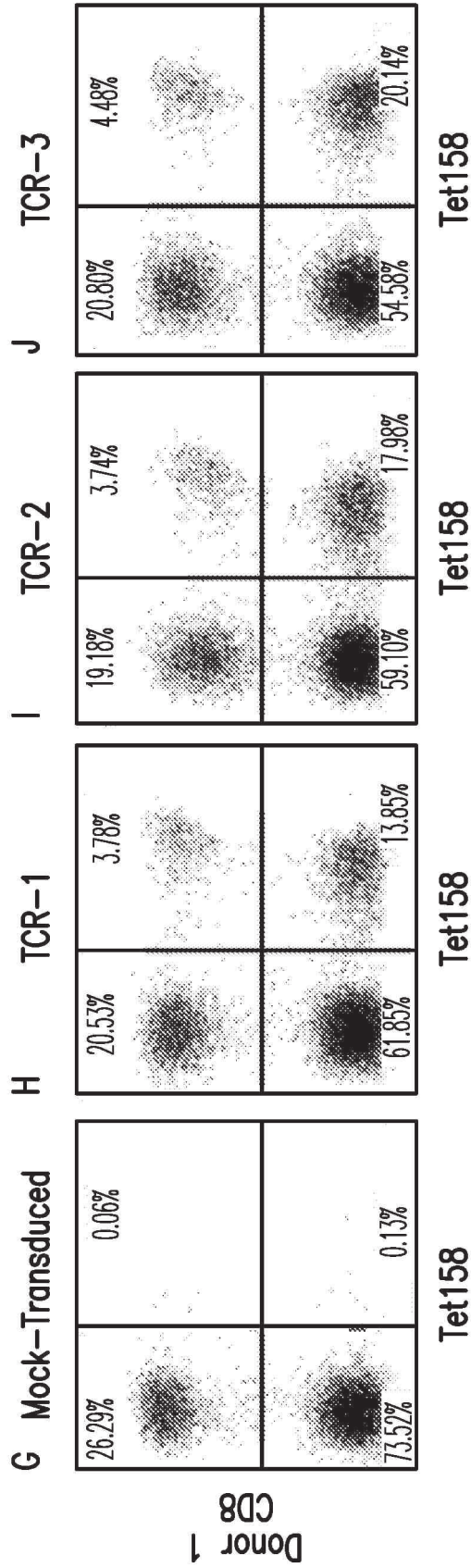
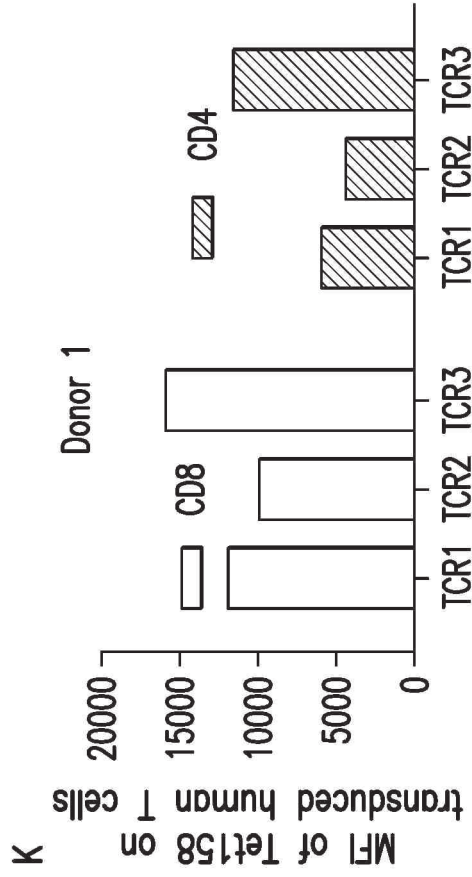
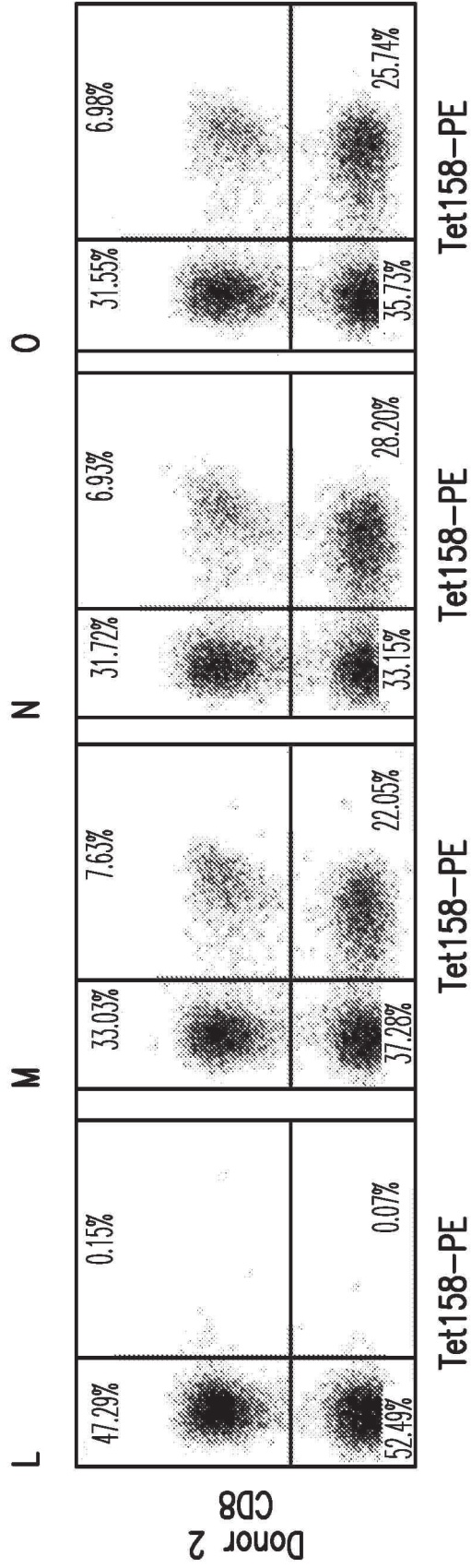


FIG. 5G-5K



11/29

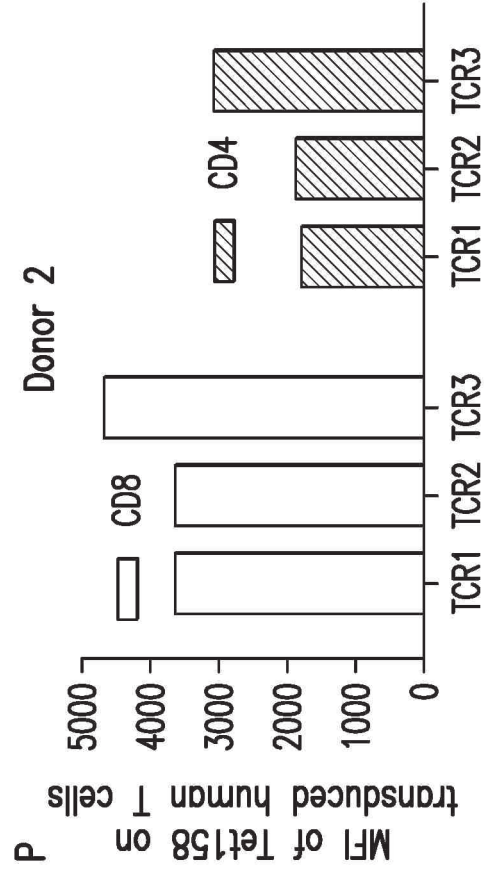


FIG. 5L-5P

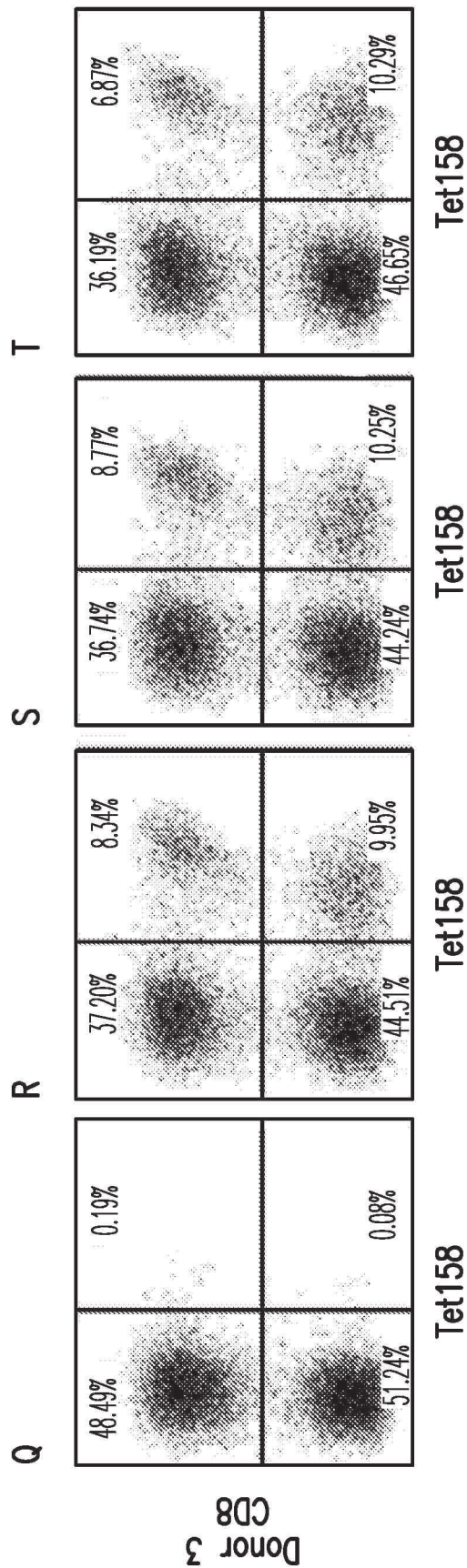
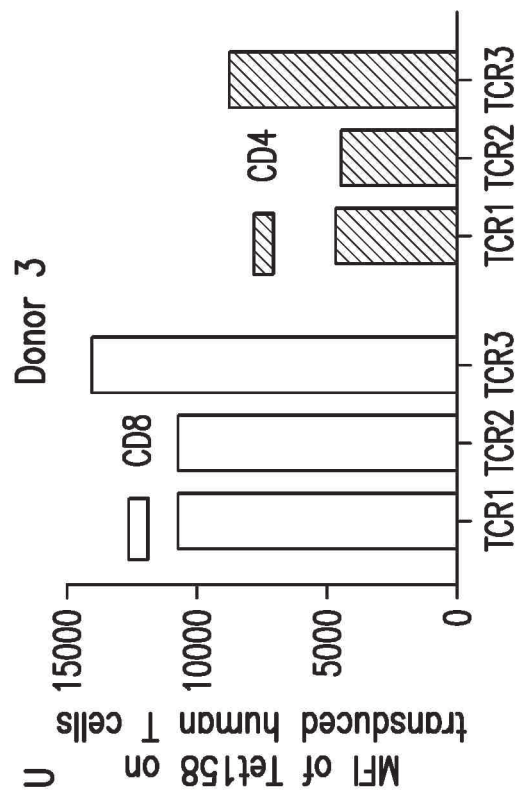


FIG. 5Q-5U

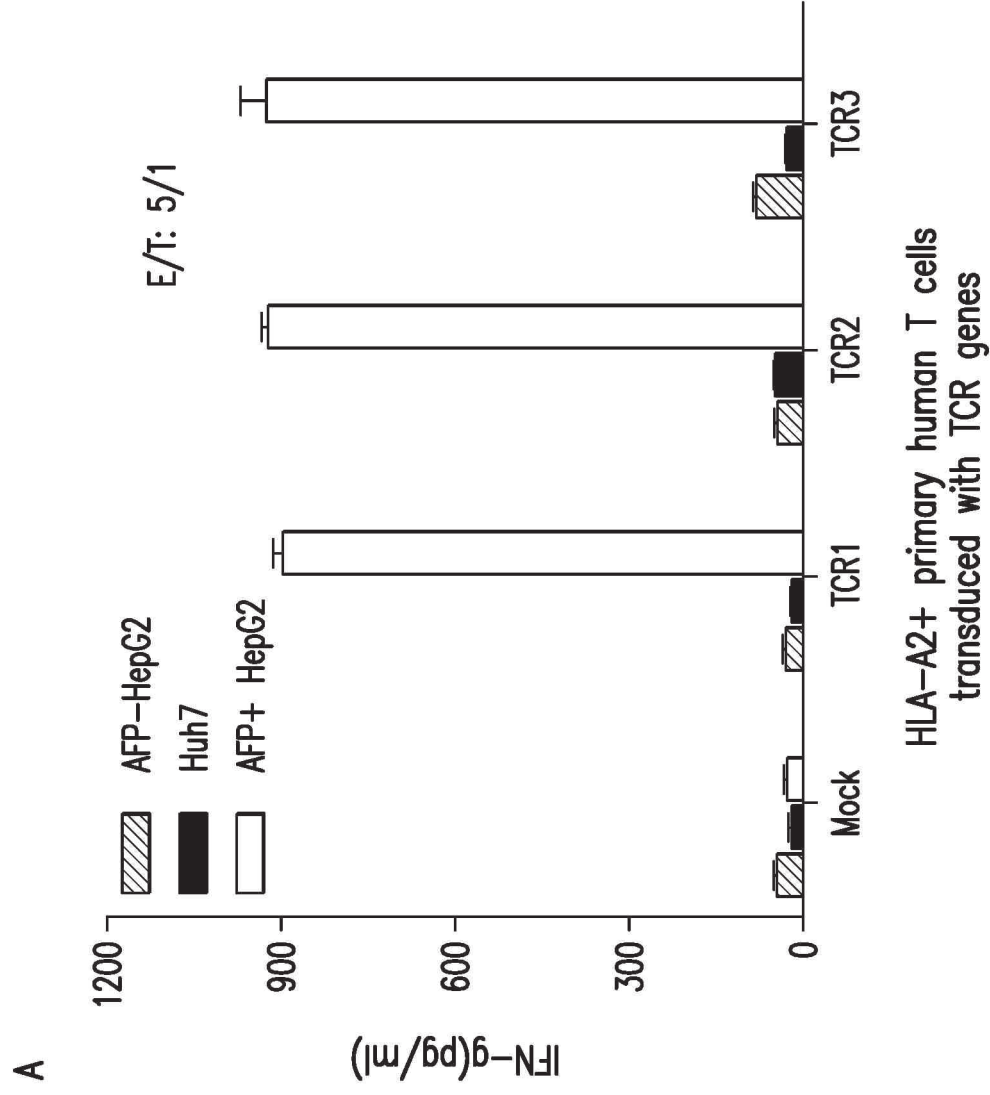


FIG. 6A

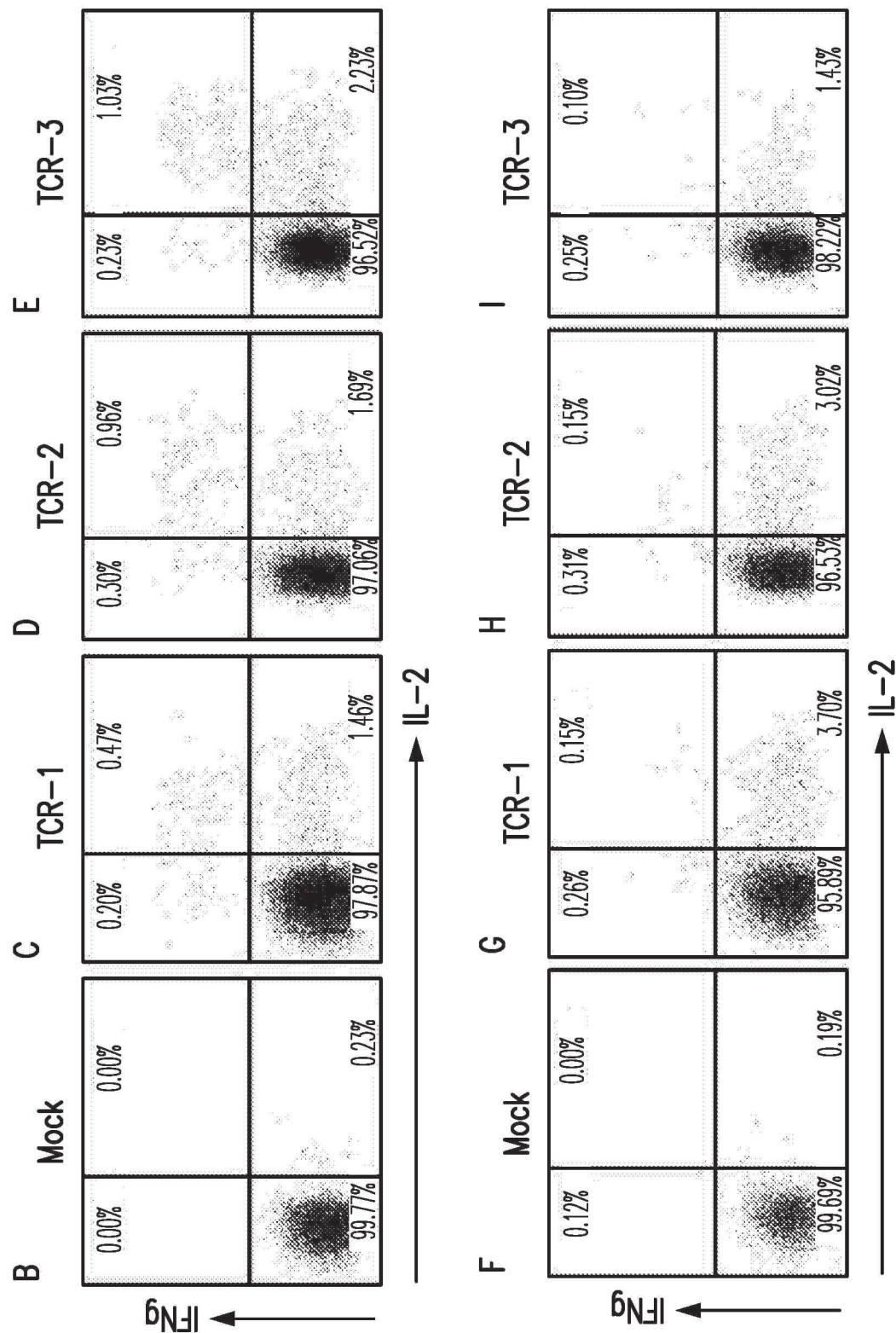


FIG. 6B-6I

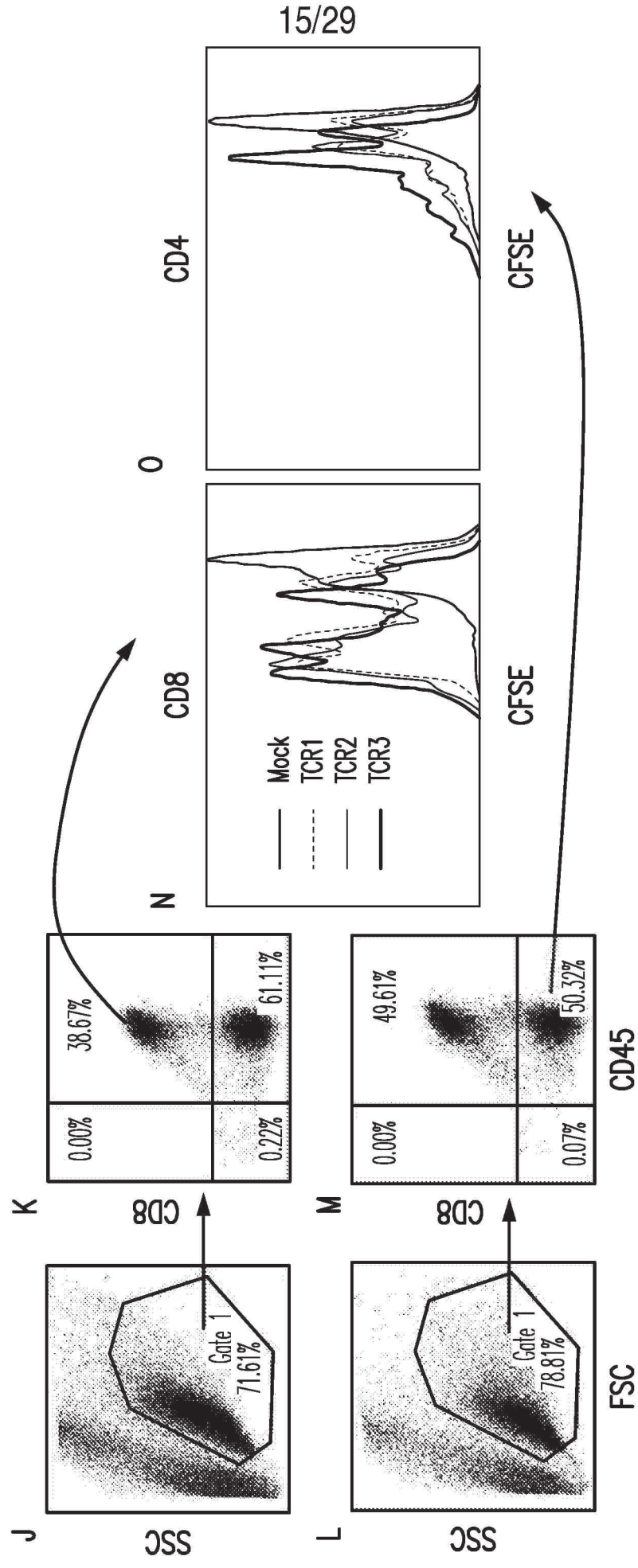


FIG. 6J-6O

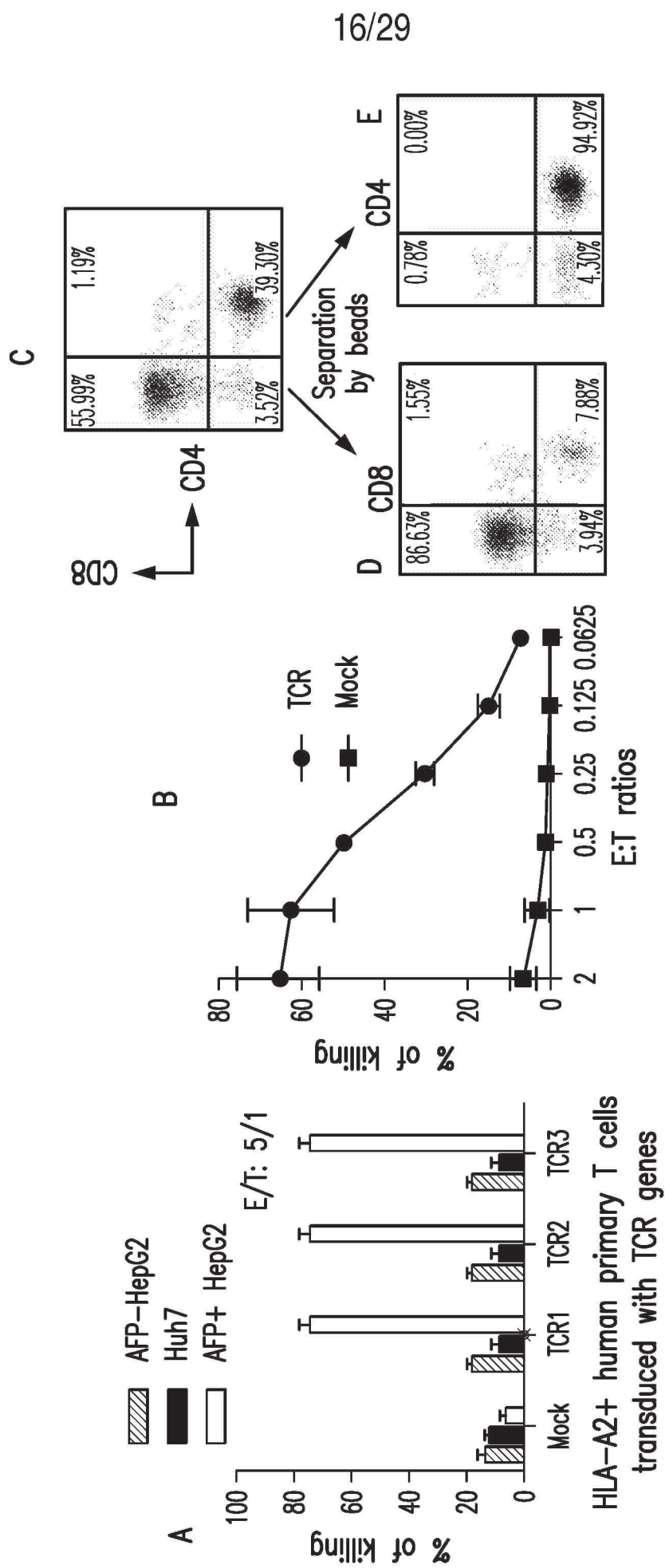
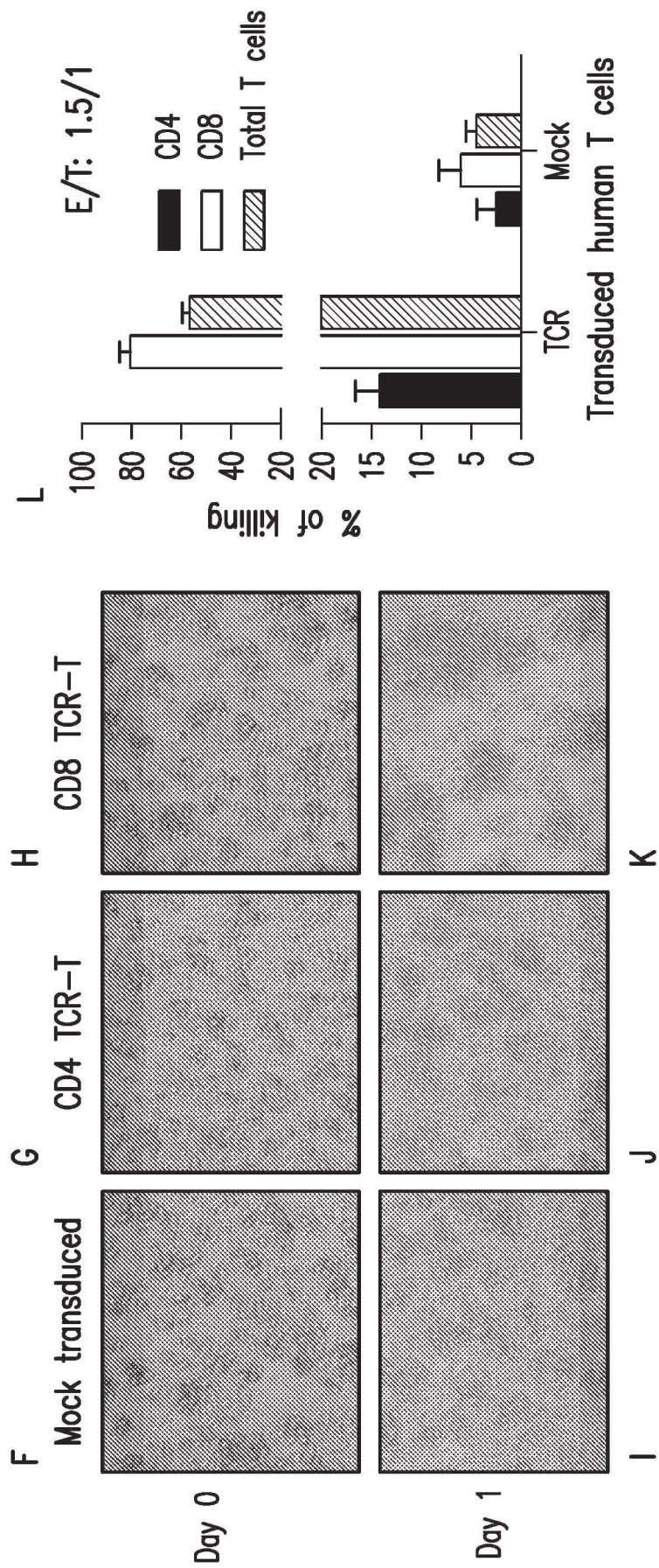


FIG. 7A-7E



17/29

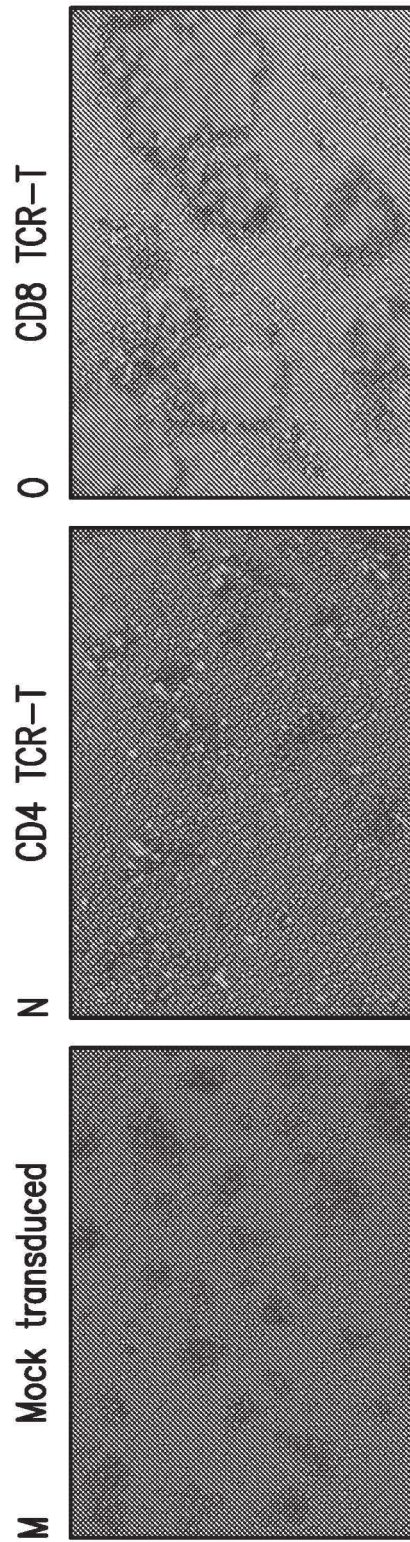


FIG. 7F-7O

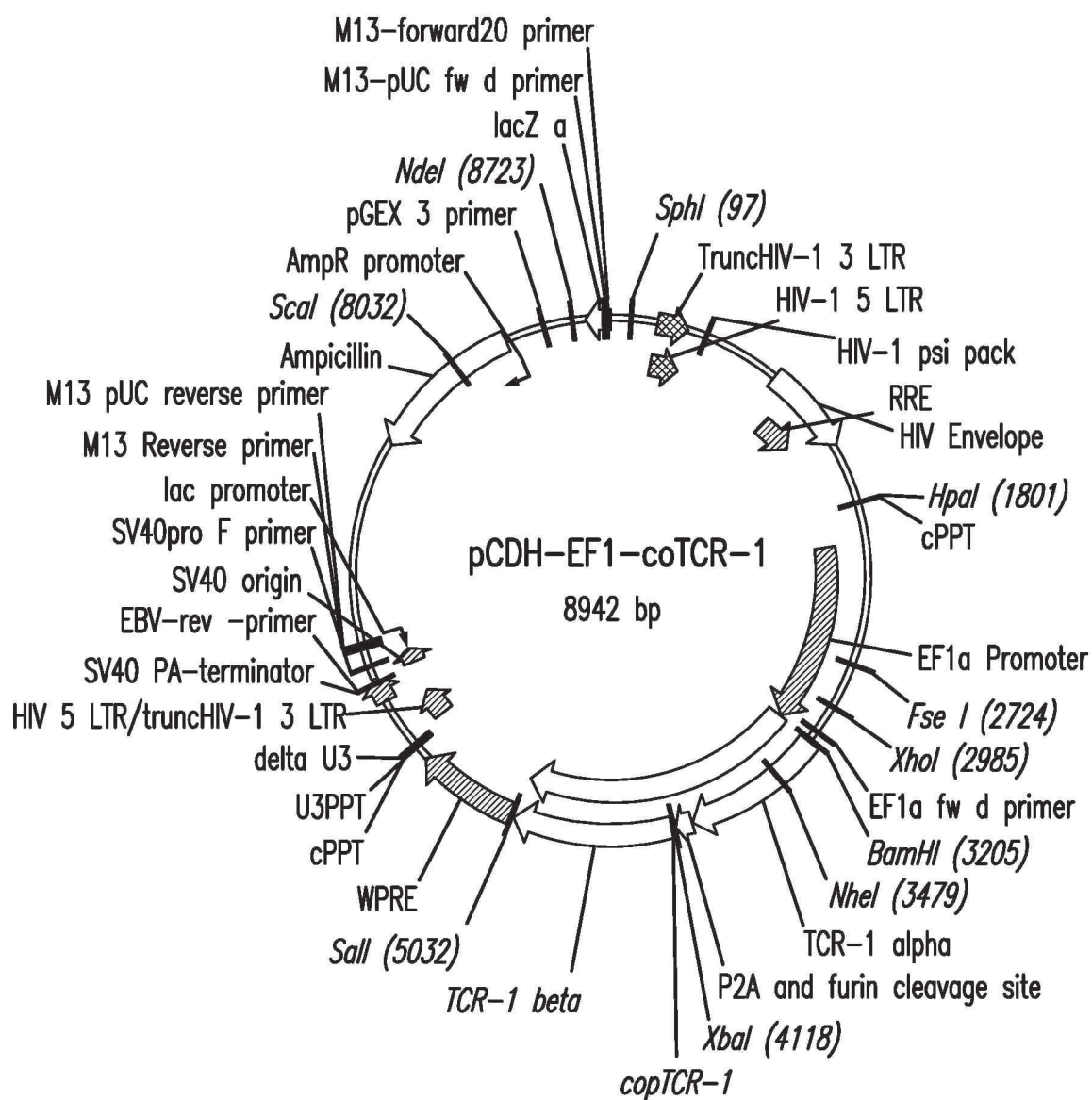


FIG. 8

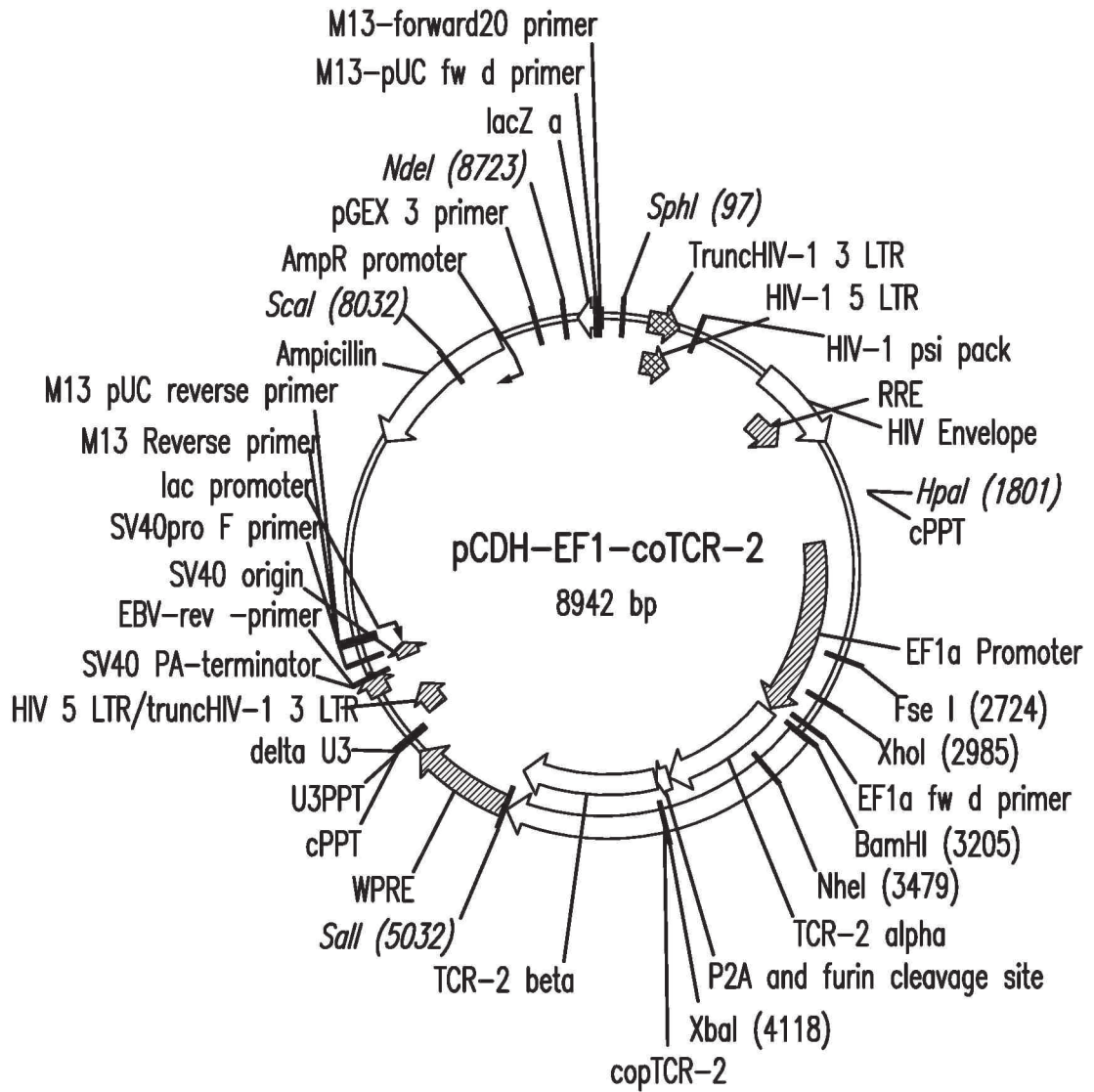


FIG. 9

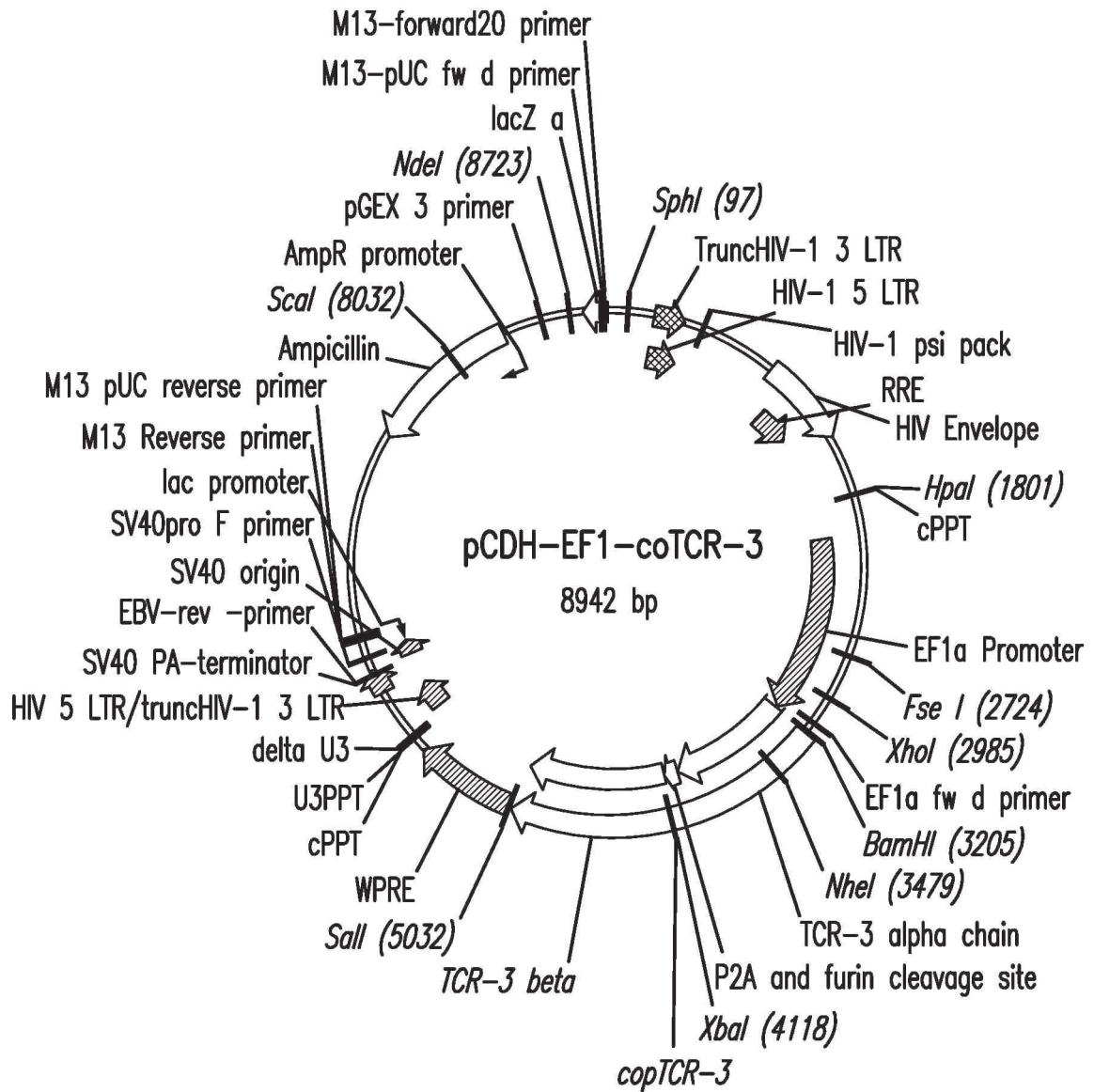


FIG. 10

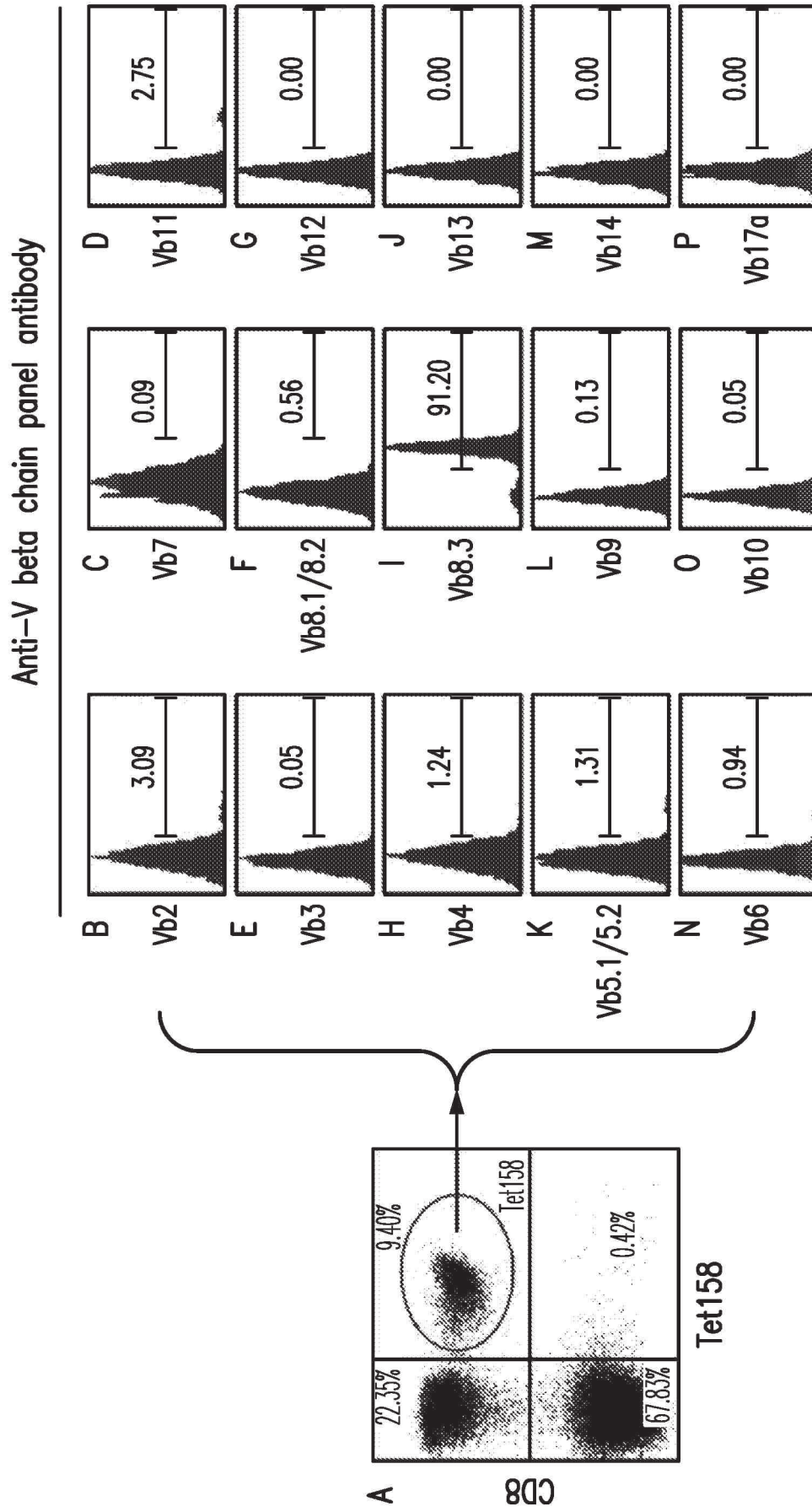
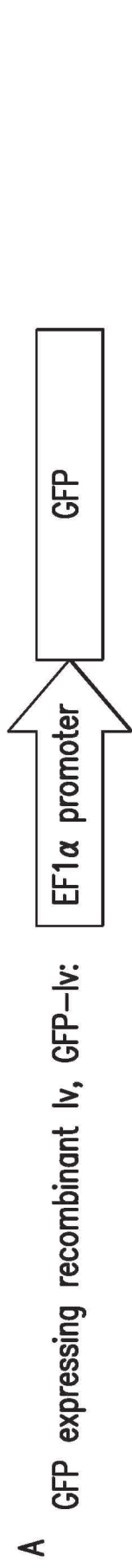
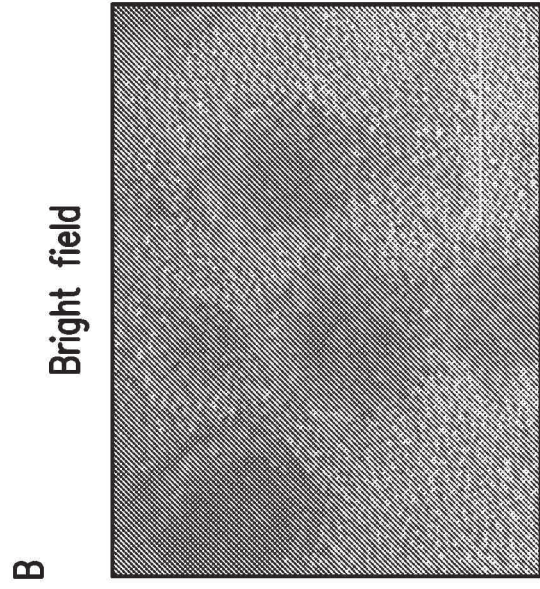
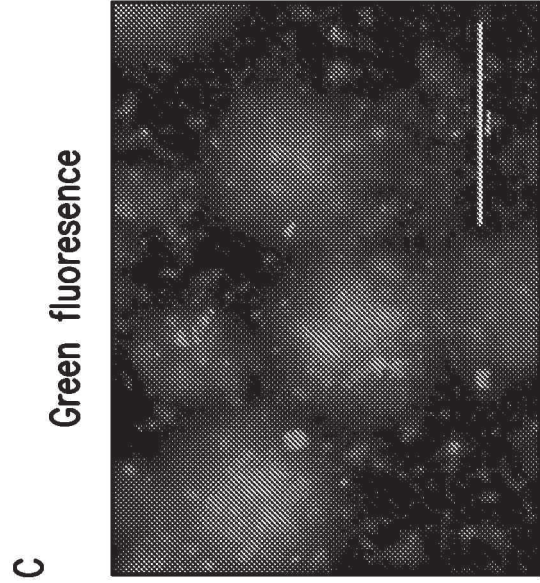
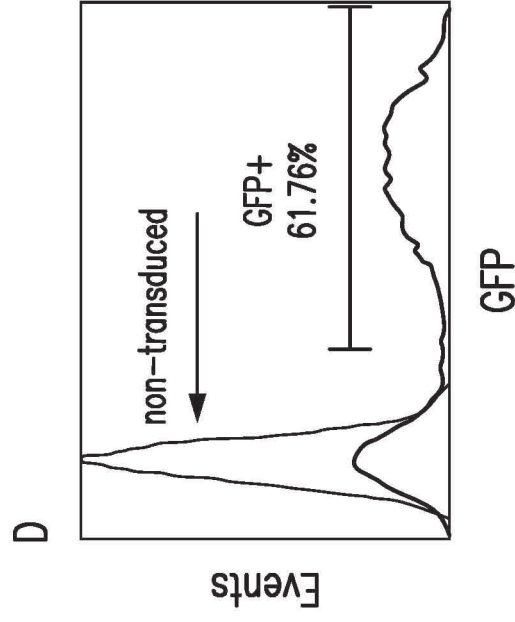


FIG. 11A-11P



22/29

FIG. 12A-12D

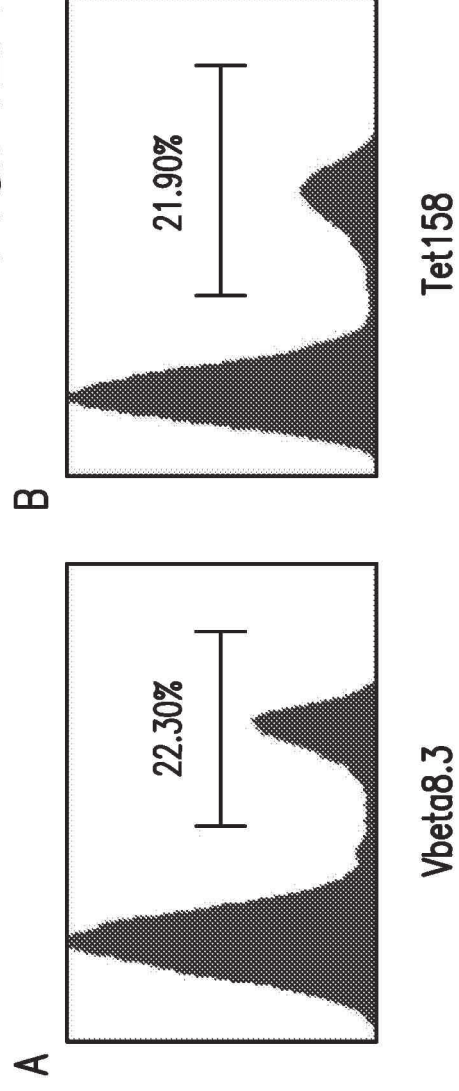


FIG. 13A-13B

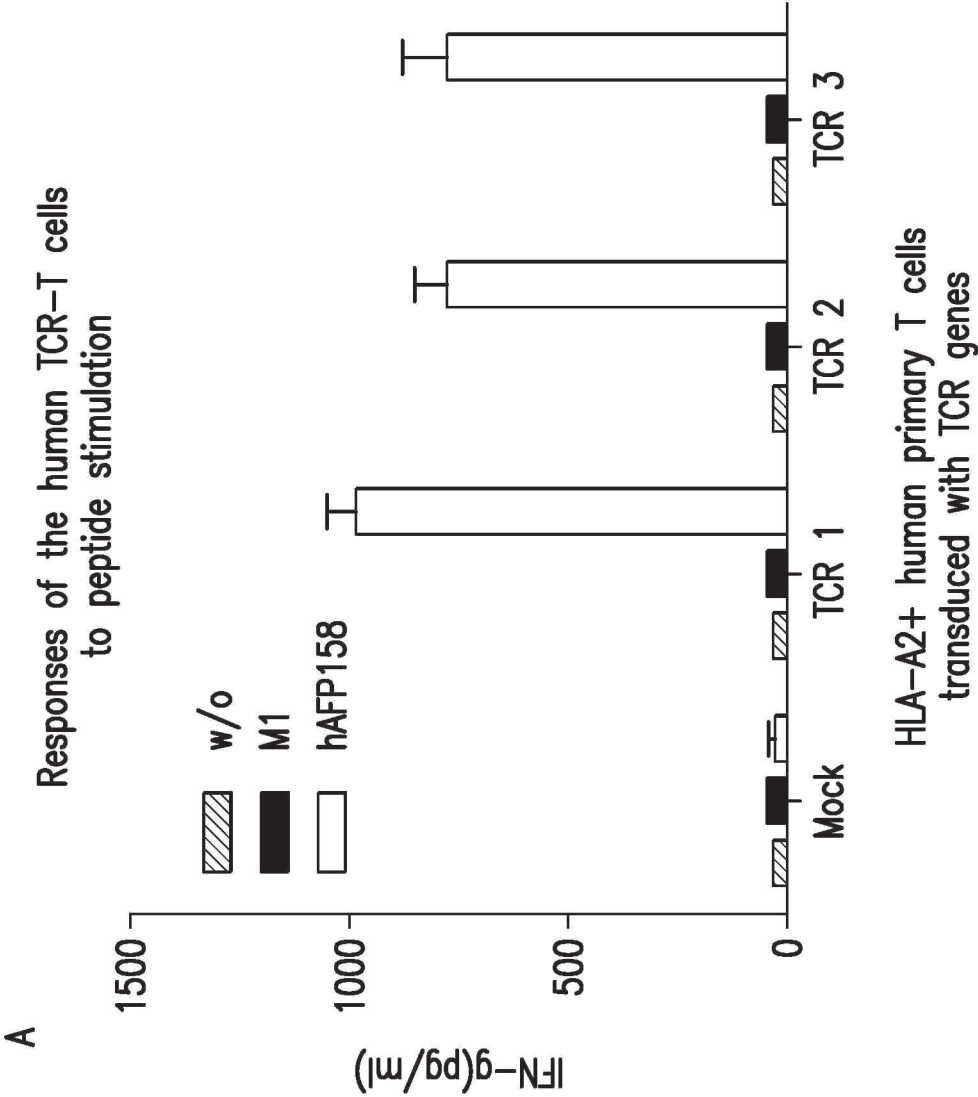


FIG. 14A

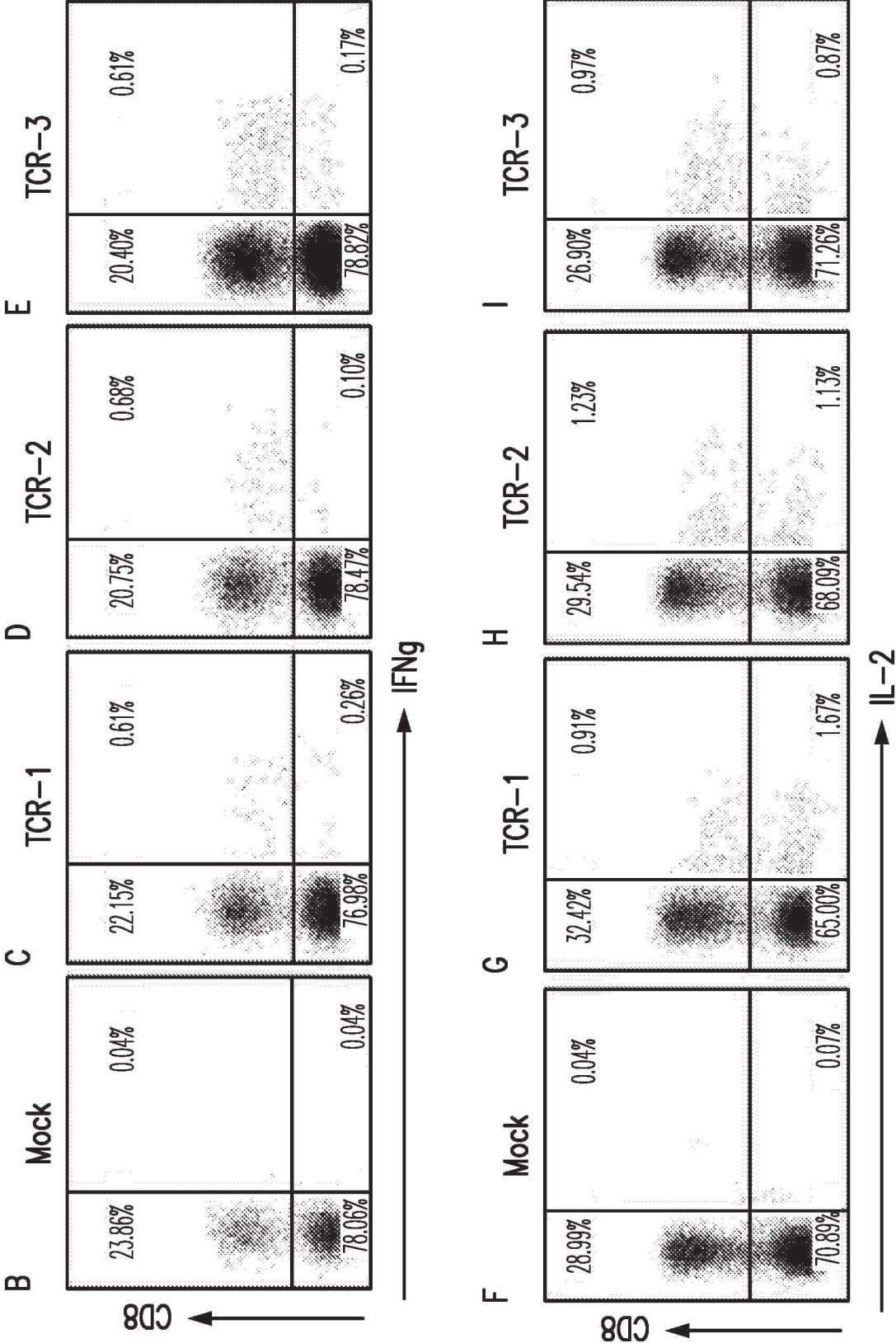


FIG. 14B-14I

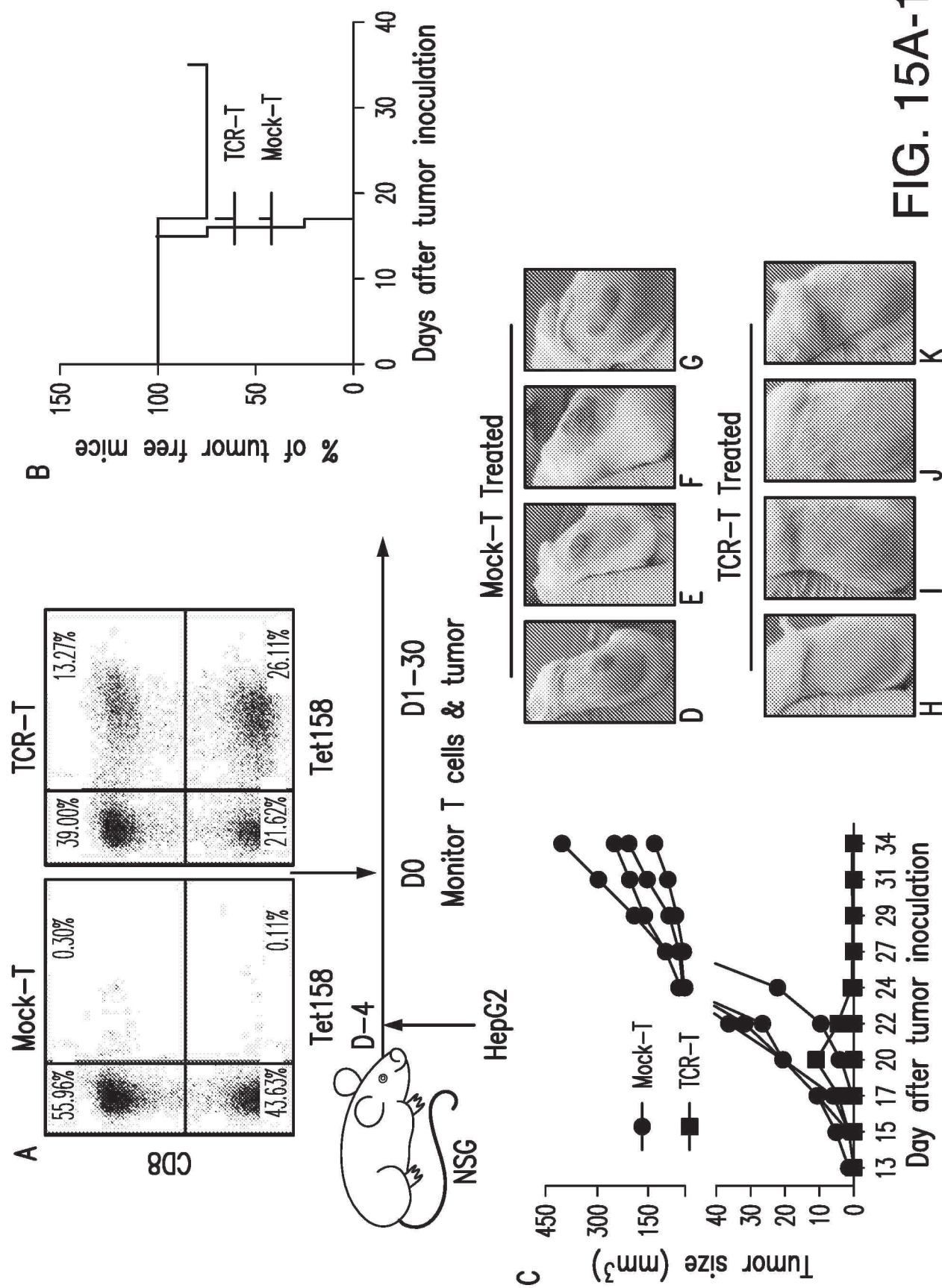


FIG. 15A-15K

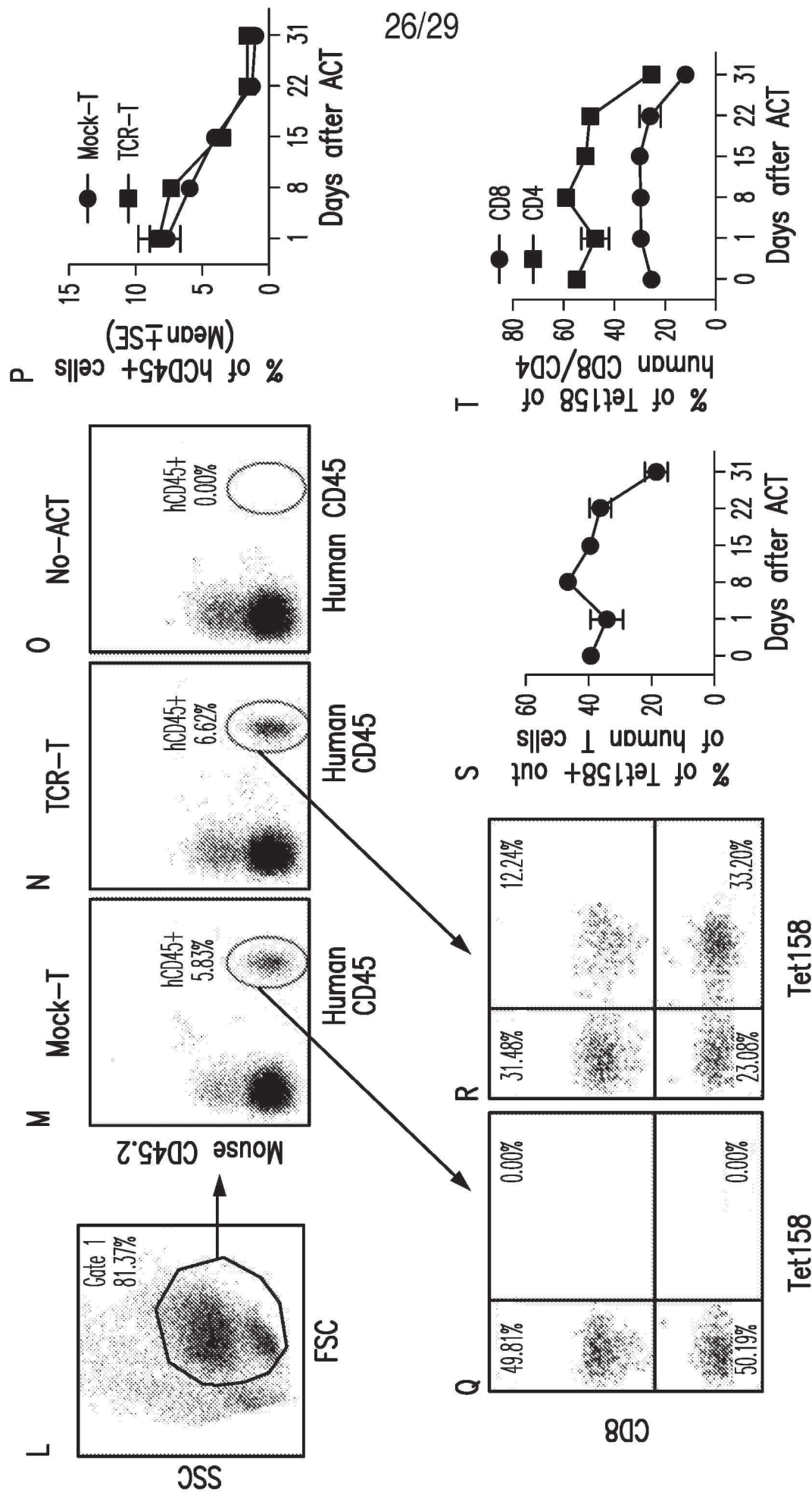


FIG. 15L-15T

A: The V-region of TCR α chains

	FR1-IMGT					FR1-IMGT					FR3-IMGT					CDR3							
	1	10	20	30	40	50	60	70	80	90	100	117											
TCR-1	QKVVQSPESL	IPEGGWASL	NCTSSDRNDYF	WVYRQHS	GKSPKMLMS	IFSNGEKEEGR	TVHLNKAS	LHTSL	HIRDSQ	SDSAL	YLCAS	ITMAYK	IFGKG	THL	HVLP	NIQNPE	SEQ	ID	N0:80				
TCR-2	QKVVQSPESL	IPEGGWASL	NCTSSDRNDYF	WVYRQHS	GKSPKMLMS	IFSNGEKEEGR	TVHLNKAS	LHTSL	HIRDSQ	SDSAL	YLCAS	ITMAYK	IFGKG	THL	HVLP	NIQNPE	SEQ	ID	N0:81				
TCR-6	QKVVQSPESL	IPEGGWASL	NCTSSDRNDYF	WVYRQHS	GKSPKMLMS	IFSNGEKEEGR	TVHLNKAS	LHTSL	HIRDSQ	SDSAL	YLCAS	ITMAYK	IFGKG	THL	HVLP	NIQNPE	SEQ	ID	N0:82				
TCR-3	QKVVQSPESL	IPEGGWASL	NCTSSDRNDYF	WVYRQHS	GKSPKMLMS	IFSNGEKEEGR	TVHLNKAS	LHTSL	HIRDSQ	SDSAL	YLCAS	ITMAYK	IFGKG	THL	HVLP	NIQNPE	SEQ	ID	N0:83				
TCR-8	QKVVQSPESL	IPEGGWASL	NCTSSDRNDYF	WVYRQHS	GKSPKMLMS	IFSNGEKEEGR	TVHLNKAS	LHTSL	HIRDSQ	SDSAL	YLCAS	ITMAYK	IFGKG	THL	HVLP	NIQNPE	SEQ	ID	N0:84				
TCR-10	QKVVQSPESL	IPEGGWASL	NCTSSDRNDYF	WVYRQHS	GKSPKMLMS	IFSNGEKEEGR	TVHLNKAS	LHTSL	HIRDSQ	SDSAL	YLCAS	ITMAYK	IFGKG	THL	HVLP	NIQNPE	SEQ	ID	N0:85				
TCR-11	QKVVQSPESL	IPEGGWASL	NCTSSDRNDYF	WVYRQHS	GKSPKMLMS	IFSNGEKEEGR	TVHLNKAS	LHTSL	HIRDSQ	SDSAL	YLCAS	ITMAYK	IFGKG	THL	HVLP	NIQNPE	SEQ	ID	N0:86				
TCR-17	QKVVQSPESL	IPEGGWASL	NCTSSDRNDYF	WVYRQHS	GKSPKMLMS	IFSNGEKEEGR	TVHLNKAS	LHTSL	HIRDSQ	SDSAL	YLCAS	ITMAYK	IFGKG	THL	HVLP	NIQNPE	SEQ	ID	N0:87				
TCR-38	QKVVQSPESL	IPEGGWASL	NCTSSDRNDYF	WVYRQHS	GKSPKMLMS	IFSNGEKEEGR	TVHLNKAS	LHTSL	HIRDSQ	SDSAL	YLCAS	ITMAYK	IFGKG	THL	HVLP	NIQNPE	SEQ	ID	N0:88				
																	TRAV7D-2			J30/J12			C

TRAV7D-2

J30/J12

C

FIG. 16

B: The V-region of TCR β chains

	FR1-IMGT					CDR1					FR2-IMGT					CDR2					FR3-IMGT					CDR3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	1	10	20	30	40	50	60	70	80	90	100	114																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

TRBV13-1

D

J2-4

FIG. 16 continued

CDR3 OF TCR α chains

	81	91	101	111	
TCR-1	PSDSALYLCAASITNAYKVIFGKGTLLHVL	PNIQNPEPAV	SEQ ID NO:93		
TCR-2	PSDSALYLCAASTVNAYKVIFGKGTLLHVL	PNIQNPEPAV	SEQ ID NO:94		
TCR-6	PSDSALYLCAASMINAYKVIFGKGTLLHVL	PNIQNPEPAV	SEQ ID NO:95		
TCR-3	PSDSALYLCAASMAGGYKVMFGSGTRLLVSP	DIQNPEPAV	SEQ ID NO:96		
TCR-8	PSDSALYLCAASISGGYKVMFGSGTRLLVSP	DIQNPEPAV	SEQ ID NO:97		
TCR-10	PSDSALYLCAASIVGGYKVMFGSGTRLLVSP	DIQNPEPAV	SEQ ID NO:98		
TCR-11	PSDSALYLCAASKTGGYKVMFGSGTRLLVSP	DIQNPEPAV	SEQ ID NO:99		
TCR-17	PSDSALYLCAASMTGGYKVMFGSGTRLLVSP	DIQNPEPAV	SEQ ID NO:100		
TCR-38	PSDSALYLCAATLTGGYKVMFGSGTRLLVSP	DIQNPEPAV	SEQ ID NO:101		

FIG. 17A

CDR3 OF TCR β chains

	85	95	105	115	
TCR-1	SQTSLYFCASSDAGTSQNTLYFGAGTRLSVLEDLRNVTPP	SEQ ID NO:102			
TCR-2	SQTSLYFCASSDAGTSQNTLYFGAGTRLSVLEDLRNVTPP	SEQ ID NO:102			
TCR-6	SQTSLYFCASSDAGVSQNTLYFGAGTRLSVLEDLRNVTPP	SEQ ID NO:103			
TCR-3	SQTSLYFCASSDAGTAQNTLYFGAGTRLSVLEDLRNVTPP	SEQ ID NO:104			
TCR-8	SQTSLYFCASSDAGTSQNTLYFGAGTRLSVLEDLRNVTPP	SEQ ID NO:102			
TCR-10	SQTSLYFCASSDHGTGQNTLYFGAGTRLSVLEDLRNVTPP	SEQ ID NO:105			
TCR-11	SQTSLYFCASSDAGVSQNTLYFGAGTRLSVLEDLRNVTPP	SEQ ID NO:103			
TCR-17	SQTSLYFCASSDAGTSQNTLYFGAGTRLSVLEDLRNVTPP	SEQ ID NO:102			
TCR-38	SQTSLYFCASSDAGTSQNTLYFGAGTRLSVLEDLRNVTPP	SEQ ID NO:102			

FIG. 17B